



# TABELE WYSIEWU

Rozsiewacz nawozu  
SIPMA RN 1000 BORYNA





## Tabele wysiewu SIPMA

Dawka nawozu wysiewanego na jednostkę powierzchni zależy od:

- wielkości szczeliny, przez którą nawóz wydostaje się ze zbiornika na tarcze rozsiewające,
- prędkości roboczej agregatu,
- szerokości pasa rozsiewu,

Zwracamy również uwagę, że indywidualne właściwości rozsiewanego nawozu, takie jak odchylenia właściwości fizycznych (ciężar właściwy, granulacja, zdolność do poślizgu itd.) oraz różne zachowania nawozu w wyniku wpływów pogodowych i/lub warunków składowania, mają ogromny wpływ na jego równomierny rozkład poprzeczny oraz dawkę rozsiewu. Dlatego podane ustawienia są wartościami orientacyjnymi.

Dlatego nie możemy zagwarantować, że Państwa nawóz, o tej samej nazwie i od tego samego producenta posiada takie same właściwości, jak podany nawóz w tabeli rozsiewu. Podane zalecenia dotyczące ustawień dla równomiernego rozkładu poprzecznego dotyczą wyłącznie dawki a nie rozkładu składników odżywczych (dotyczy to w szczególności nawozów mieszanych). Wyklucza się w tym przypadku odpowiedzialność producenta za szkody powstałe w wyniku nawożenia.

W przypadku rozsiewania nawozu innego niż wymieniane w tabelach, należy:

- przyjąć wartości przybliżone wg tabel dla nawozu o podobnych do stosowanego właściwościach fizycznych,
- sprawdzić na stronie [www.sipma.pl](http://www.sipma.pl), gdzie znajdą Państwo najnowsze uzupełnienie tabel wysiewu,
- zgłosić telefonicznie do Serwisu SIPMA SA, który poda zalecenia ustawienia,
- skontaktować się z naszym przedstawicielem w Państwa kraju.

**Przed uruchomieniem maszyny przeczytać instrukcję obsługi i przestrzegać zawartych w niej wskazówek dotyczących bezpieczeństwa!**

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## 1. INFORMACJE OGÓLNE

Podczas eksploatacji maszyny użytkownik powinien bezwzględnie przestrzegać zasad bezpieczeństwa zawartych w instrukcji obsługi. Rozsiewacz nawozów zazwyczaj powinien być ustawiony na wysokość roboczą 80 cm (od krawędzi tarczy wysiewającej do podłoża) oraz posiadać prędkość obrotową tarcz wysiewającej o wartości 720 obr/min.

Ponadto w celu uniknięcia błędu wysiewu należy stosować następujące zasady:

- nawozy składować zgodnie z zaleceniami producenta,
- ustawiać maszynę zgodnie z danymi z tabeli wysiewu,
- przed rozpoczęciem pracy wykonać próbę kręconą.

## 2. USTAWIENIE ORAZ KONTROLA DAWKI WYSIEWU

Ustawienie dawki wysiewu wykonywane jest w zależności od wersji rozsiewacza za pomocą pulpitu sterowniczego (wersja elektroniczna) lub ręcznie za pomocą zasuwki regulacyjnej (wersja hydrauliczna). Dokładny opis sposobu postępowania można znaleźć w odpowiedniej instrukcji obsługi.

Dawkę wysiewu można sprawdzić poprzez wykonanie próby kręconej za pomocą elementów dostarczonych wraz z rozsiewaczem nawozów. Dokładny opis przeprowadzania próby kręconej można znaleźć w odpowiedniej instrukcji obsługi.

$$G = \frac{72000 \times Q_w}{t \times S \times V}$$

$G$  - obliczona dawka wysiewu [kg/ha];

$Q_w$  - zmierzona ilość nawozu w wiadrze [kg];

$t$  - zmierzony czas otwarcia zasuwki [s];

$S$  - wybrana szerokość robocza [m];

$V$  - planowana prędkość jazdy podczas rozsiewania [km/h];

### 3. USTAWIENIE SZEROKOŚCI ROBOCZEJ

Za pomocą dwutarczowego układu wysiewającego można wysiewać różne szerokości robocze w zależności od wybranego nawozu.

Do ustawiania szerokości roboczej służą łopatki. Poprzez odchylenie łopatek w kierunku obrotów tarcz wysiewających (na wyższą wartość skali) zwiększa się szerokość roboczą. Natomiast odchylenie łopatek przeciwnie do kierunku obrotów powoduje zmniejszenie się szerokości. Krótsza łopatka jest odpowiedzialna za rozsiewanie nawozu w środkowej części szerokości roboczej, a dłuższa w zewnętrznych częściach.

Informacje o tym, jaka tarcza oraz łopatka jest konieczna do danej szerokości roboczej, można znaleźć w tabelach wysiewu.

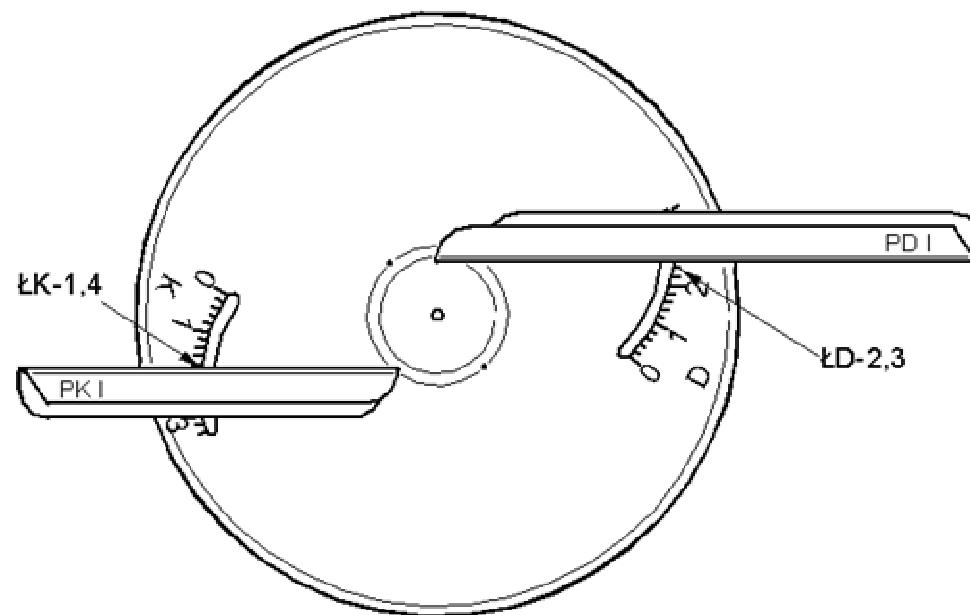
W tabelach podane są ustawienia łopatek na skali tarczy w następujący sposób:

**ŁD I-2,3**

**ŁK I-1,4**

Oznacza to:

- Łopatka Długa I ustawiona na skali tarczy pionową powierzchnią łopatki na wartość 2,3 (dwie duże działki i trzy małe)
- Łopatka Krótka I ustawiona na skali tarczy pionową powierzchnią łopatki na wartość 1,4 (jedna duża działka i cztery małe)



Rys..1. Tarcza z przykładowo ustawionymi łopatkami.

## 4. PRZYKŁAD ZASTOSOWANIA TABELI WYSIEWU

Nawóz: N 32 Zaksan

Szerokość robocza:  $S = 12$  m

Prędkość robocza:  $V = 10$  km/h

Dawka:  $G = 132$  kg/ha

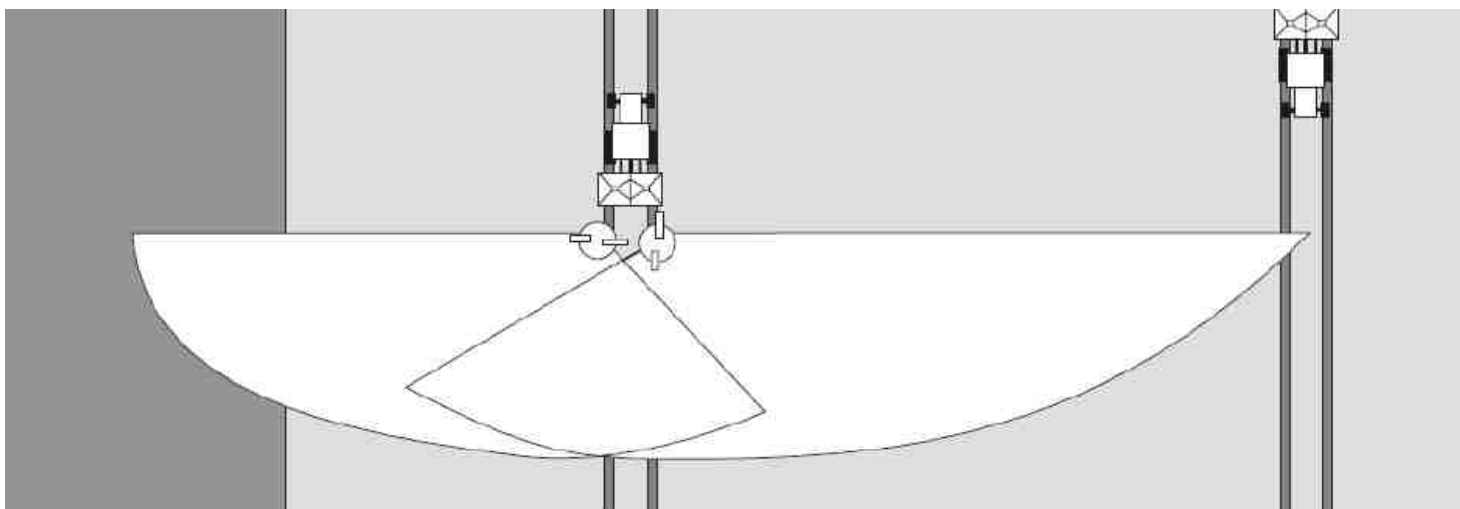
1. Ze spisu tabel wysiewu odczytujemy stronę, na której znajdują się dane dla N 32 Zaksan.
2. Ustawiamy łopatki zgodnie z ustawieniami odpowiadającymi 12 m szerokości roboczej.
3. W przypadku wersji hydraulicznej szukamy nastawy dla wybranej prędkości roboczej oraz dawki. W naszym przypadku to będzie nastawa numer 7.
4. W przypadku wersji elektronicznej ustawiamy żadaną dawkę.

## 5. WYSIEW KRAWĘDZIOWY, WYSIEW GRANICZNY I PRZY ROWACH

Wyróżniamy trzy rodzaje siewu granicznego:

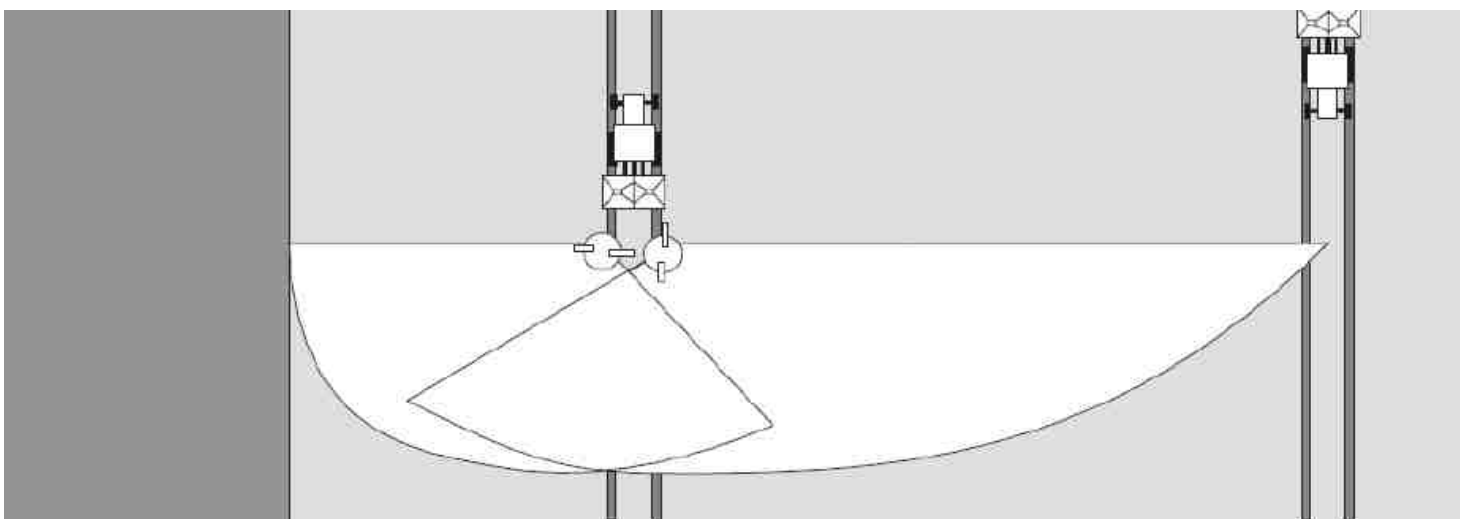
- Wysiew krawędziowy;
- Wysiew graniczny;
- Rozsiew przy rowach;

**Wysiew krawędziowy** – jest to prawie pełne nawożenie przy krawędzi pola, które uzyskuje się jeżeli można nawozić poza nią (np. obok własnego przyległego pola, które podlega podobnej obróbce. W ten sposób minimalizuje się powierzchnię pasów przy krawędzi pola o zbyt niskim nawożeniu. Wartości ustawień można znaleźć w tabeli wysiewu przy danym nawozie.



Rys..2. Wysiew krawędziowy

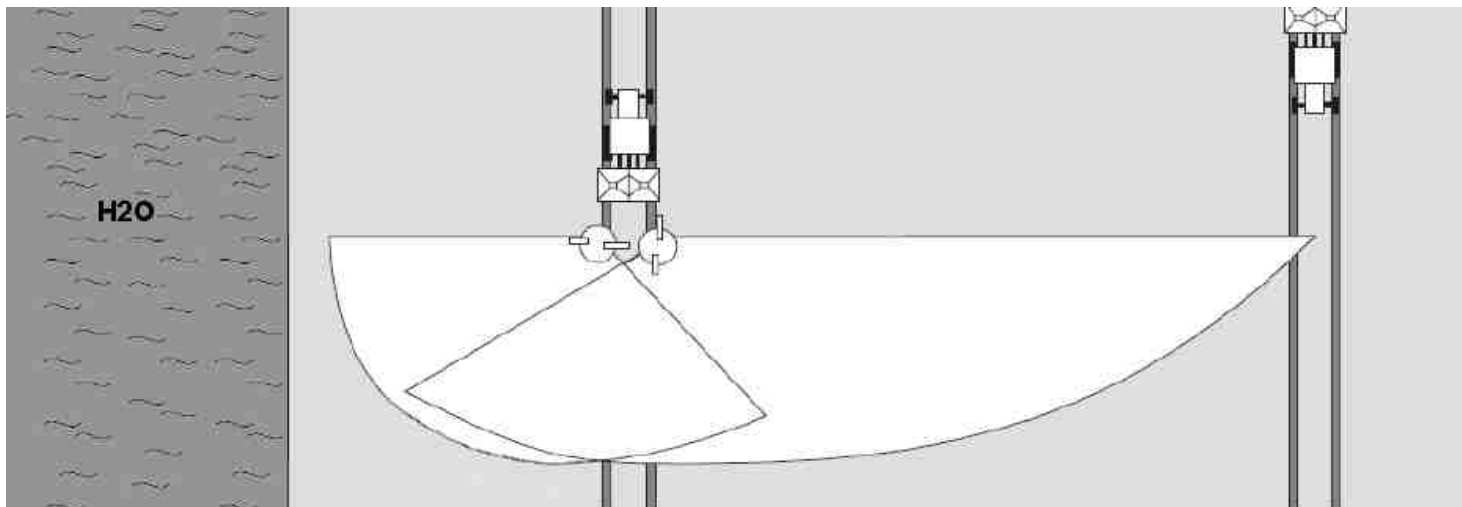
**Wysiew graniczny** – jest to rodzaj nawożenia gdy należy unikać przedostania się nawozu poza granicą pola (np. w przypadku pola o innej obróbce lub przyległe pole nie jest nasze). Przy tym wysiewie nieuniknione jest powstawanie pasów brzegowych o zbyt niskim nawożeniu od ok. 2 do 6 m, w zależności od odległości pierwszego pasa jazdy od granicy. W tym wysiewie redukowana jest dawka w celu osiągnięcia najlepszego rozkładu poprzecznego. Wartości ustawień można znaleźć w tabeli wysiewu przy danym nawozie.



Rys..3. Wysiew graniczny



**Rozsiew przy rowach** – jest to rodzaj wysiewu, gdzie należy zachować dodatkowo odstęp bezpieczeństwa (np. od zbiorników wodnych). Powodują to jeszcze niższe nawożenie pasa brzegowego niż przy wysiewie granicznym. Podobnie jak w wysiewie granicznym jest redukowana dawka w celu osiągnięcia najlepszego rozkładu poprzecznego. Wartości ustawień można znaleźć w tabeli wysiewu przy danym nawozie.



Rys..4. Rozsiew przy rowach

## **6. SIEW GRANICZNY ZA POMOCĄ LIMESA**

Ustawienie LIMESA zależy od:

- szerokości roboczej;
- rodzaju nawozu;
- sposobu wysiewu (krawędziowy, graniczny i przy rowach);
- rodzaju zastosowanych łopatek;

System siewu granicznego LIMES uruchamiany oraz wyłączany jest elektronicznie lub mechanicznie.

Ustawienia LIMESA znajdują się w tabelach wysiewu dla danego nawozu. Wartości tabel wysiewu są orientacyjne, ponieważ właściwości nawozów mogą się znacząco różnić.

Ewentualnie możliwe jest modyfikowanie siewu granicznego przy pomocy LIMESA w następujący sposób:

- Jeśli za granicę pola przedostaje się zbyt dużo nawozu (za duża odległość) należy zwiększyć wartość ustawienia LIMESA;
- Jeśli nawóz nie dociera do granicy lub zakres niskiego nawożenia na brzegu pola jest zbyt duży to należy zmniejszyć ustawienie LIMESA;
- Jeśli dochodzi do przenawożenia po wewnętrznej stronie pola, konieczne jest zredukowanie dawki rozsiewu po stronie granicy. Wiąże się z tym nieznaczne, zbyt niskie nawożenie przed granicą pola.
- Przy małych szerokościach roboczych w razie potrzeby należy zredukować również liczbę obrotów tarcz rozsiewających po stronie pola.

## **7. SIEW GRANICZNY ZA POMOCĄ TARCZ SIEWU GRANICZNEGO**

Ustawienie tarcz siewu granicznego zależy od:

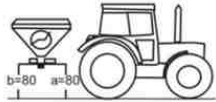
- szerokości roboczej;
- rodzaju nawozu;
- sposobu wysiewu (krawędziowy, graniczny i przy rowach);

Sposób działania tarcz siewu granicznego:

- zmiana pozycji łopatek – wychylenie łopatek na wyższą wartość skali: większa szerokość wysiewu, bardziej stromy rozkład poprzeczny
- zmiana długości łopatek – przestawienie zewnętrznej łopatki na wyższą wartość skali: większa szerokość wysiewu, bardziej płaski rozkład poprzeczny

## 8. OZNACZENIA NAWOZÓW W PULPICIE STERUJĄCYM

| Lp. | Pełna nazwa nawozu w tabeli wysiewu | Nazwa nawozu w sterowniku w wersji polskiej | Nazwa nawozu w sterowniku w wersji obcej |
|-----|-------------------------------------|---------------------------------------------|------------------------------------------|
| 1   | N 32 Zaksan                         | 1. Zaksan                                   | 1. N 32                                  |
| 2   | N 27,5 Salmag                       | 2. Salmag                                   | 2. N 27,5                                |
| 3   | N 27,5 Salmag z siarką              | 3. Salmag + S                               | 3. N 27,5 + S                            |
| 4   | NPK 4-16-18 Amofoska                | 4. Amof. 4-16-18                            | 4. NPK 4-16-18                           |
| 5   | NPK 4-10-22 Amofoska CORN           | 5. Amof. 4-10-22                            | 5. NPK 4-10-22                           |
| 6   | NPK 5-10-25 Amofoska                | 6. Amof. 5-10-25                            | 6. NPK 5-10-25                           |
| 7   | NPK 4-12-12 Amofoska                | 7. Amof. 4-12-12                            | 7. NPK 4-12-12                           |
| 8   | NPK 4-12-20 Amofoska                | 8. Amof. 4-12-20                            | 8. NPK 4-12-20                           |
| 9   | Super Fos Dar 40                    | 9. SuperFosDar40                            | 9. SuperFosDar40                         |
| 10  | NPK 4-12-32 Polifoska 4             | 10. Polifoska 4                             | 10. NPK 4-12-32                          |
| 11  | NPK 6-20-30 Polifoska 6             | 11. Polifoska 6                             | 11. NPK 6-20-30                          |
| 12  | NPK 8-24-24 Polifoska 8             | 12. Polifoska 8                             | 12. NPK 8-24-24                          |
| 13  | NP 18-46 POLIDAP                    | 13. Polidap                                 | 13. NP 18-46                             |
| 14  | N 46 Urea Mocznik.pl                | 14. Mocznik.pl                              | 14. N 46 Mocznik                         |
| 15  | N 27 CAN Saletrzak 27 standard      | 15. Saletrzak 27                            | 15. N 27 CAN                             |
| 16  | NS 26-13 Saletrosan 26              | 16. Saletro. 26                             | 16. NS 26-13                             |
| 17  | NS 21-24 Siarczan Amonu AS21 macro  | 17. Siar. AS21 m                            | 17. NS 21-24 m                           |
| 18  | NS 21-24 Siarczan Amonu AS21 select | 18. Siar. AS21 s                            | 18. NS 21-24 s                           |
| 19  | N 34 Saletra Amonowa PULAN          | 19. Sal. Pulan                              | 19. N 34                                 |
| 20  | N 46 Mocznik PULGRAN                | 20. Pulgran                                 | 20. N 46 Pulgran                         |
| 21  | N 46 Mocznik PULREA                 | 21. Pulrea                                  | 21. N 46 Pulrea                          |



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**N 32 Zaksan**

**Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.**

Formuła nawozu: N 32  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 95%  
Gęstość nasypowa: 0,98-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |     |     | 15 m                  |      |      |     |     |     | 16 m                  |      |      |     |     |     | 18 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|------|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 1,4            |      |      |      |     |     | ŁD I - 2              |      |      |     |     |     | ŁD I - 2,1            |      |      |     |     |     | ŁD I - 2,2            |      |     |     |     |     |
|                          | ŁK I - 4              |      |      |      |     |     | ŁK I - 4              |      |      |     |     |     | ŁK I - 4              |      |      |     |     |     | ŁK I - 4              |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |     |     |                       |      |      |     |     |     |                       |      |      |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 69                    | 52   | 41   | 34   | 29  | 26  | 55                    | 41   | 33   | 28  | 24  | 21  | 52                    | 39   | 31   | 26  | 22  | 19  | 46                    | 34   | 28  | 23  | 20  | 17  |
| 4,5                      | 85                    | 64   | 51   | 43   | 37  | 32  | 68                    | 51   | 41   | 34  | 29  | 26  | 64                    | 48   | 38   | 32  | 27  | 24  | 57                    | 43   | 34  | 28  | 24  | 21  |
| 5                        | 104                   | 78   | 62   | 52   | 44  | 39  | 83                    | 62   | 50   | 41  | 35  | 31  | 78                    | 58   | 47   | 39  | 33  | 29  | 69                    | 52   | 41  | 35  | 30  | 26  |
| 5,5                      | 126                   | 94   | 75   | 63   | 54  | 47  | 100                   | 75   | 60   | 50  | 43  | 38  | 94                    | 71   | 57   | 47  | 40  | 35  | 84                    | 63   | 50  | 42  | 36  | 31  |
| 6                        | 156                   | 117  | 94   | 78   | 67  | 58  | 125                   | 94   | 75   | 62  | 53  | 47  | 117                   | 88   | 70   | 58  | 50  | 44  | 104                   | 78   | 62  | 52  | 45  | 39  |
| 6,5                      | 188                   | 141  | 113  | 94   | 81  | 71  | 150                   | 113  | 90   | 75  | 64  | 56  | 141                   | 106  | 85   | 71  | 60  | 53  | 125                   | 94   | 75  | 63  | 54  | 47  |
| 7                        | 220                   | 165  | 132  | 110  | 94  | 82  | 176                   | 132  | 106  | 88  | 75  | 66  | 165                   | 124  | 99   | 82  | 71  | 62  | 147                   | 110  | 88  | 73  | 63  | 55  |
| 7,5                      | 260                   | 195  | 156  | 130  | 111 | 98  | 208                   | 156  | 125  | 104 | 89  | 78  | 195                   | 146  | 117  | 98  | 84  | 73  | 173                   | 130  | 104 | 87  | 74  | 65  |
| 8                        | 303                   | 227  | 182  | 151  | 130 | 114 | 242                   | 182  | 145  | 121 | 104 | 91  | 227                   | 170  | 136  | 114 | 97  | 85  | 202                   | 151  | 121 | 101 | 86  | 76  |
| 8,5                      | 345                   | 258  | 207  | 172  | 148 | 129 | 276                   | 207  | 165  | 138 | 118 | 103 | 258                   | 194  | 155  | 129 | 111 | 97  | 230                   | 172  | 138 | 115 | 98  | 86  |
| 9                        | 408                   | 306  | 245  | 204  | 175 | 153 | 326                   | 245  | 196  | 163 | 140 | 122 | 306                   | 229  | 183  | 153 | 131 | 115 | 272                   | 204  | 163 | 136 | 116 | 102 |
| 9,5                      | 462                   | 346  | 277  | 231  | 198 | 173 | 369                   | 277  | 222  | 185 | 158 | 138 | 346                   | 260  | 208  | 173 | 148 | 130 | 308                   | 231  | 185 | 154 | 132 | 115 |
| 10                       | 516                   | 387  | 309  | 258  | 221 | 193 | 413                   | 309  | 248  | 206 | 177 | 155 | 387                   | 290  | 232  | 193 | 166 | 145 | 344                   | 258  | 206 | 172 | 147 | 129 |
| 10,5                     | 587                   | 441  | 352  | 294  | 252 | 220 | 470                   | 352  | 282  | 235 | 201 | 176 | 441                   | 330  | 264  | 220 | 189 | 165 | 392                   | 294  | 235 | 196 | 168 | 147 |
| 11                       | 660                   | 495  | 396  | 330  | 283 | 247 | 528                   | 396  | 317  | 264 | 226 | 198 | 495                   | 371  | 297  | 247 | 212 | 186 | 440                   | 330  | 264 | 220 | 188 | 165 |
| 11,5                     | 734                   | 550  | 440  | 367  | 315 | 275 | 587                   | 440  | 352  | 294 | 252 | 220 | 550                   | 413  | 330  | 275 | 236 | 206 | 489                   | 367  | 294 | 245 | 210 | 183 |
| 12                       | 828                   | 621  | 497  | 414  | 355 | 311 | 663                   | 497  | 398  | 331 | 284 | 248 | 621                   | 466  | 373  | 311 | 266 | 233 | 552                   | 414  | 331 | 276 | 237 | 207 |
| 12,5                     | 894                   | 671  | 537  | 447  | 383 | 335 | 715                   | 537  | 429  | 358 | 307 | 268 | 671                   | 503  | 402  | 335 | 287 | 251 | 596                   | 447  | 358 | 298 | 255 | 224 |
| 13                       | 993                   | 745  | 596  | 497  | 426 | 372 | 795                   | 596  | 477  | 397 | 341 | 298 | 745                   | 559  | 447  | 372 | 319 | 279 | 662                   | 497  | 397 | 331 | 284 | 248 |
| 13,5                     | 1087                  | 815  | 652  | 543  | 466 | 408 | 870                   | 652  | 522  | 435 | 373 | 326 | 815                   | 611  | 489  | 408 | 349 | 306 | 725                   | 543  | 435 | 362 | 311 | 272 |
| 14                       | 1186                  | 890  | 712  | 593  | 508 | 445 | 949                   | 712  | 569  | 474 | 407 | 356 | 890                   | 667  | 534  | 445 | 381 | 334 | 791                   | 593  | 474 | 395 | 339 | 297 |
| 14,5                     | 1299                  | 974  | 779  | 649  | 557 | 487 | 1039                  | 779  | 623  | 519 | 445 | 390 | 974                   | 731  | 584  | 487 | 417 | 365 | 866                   | 649  | 519 | 433 | 371 | 325 |
| 15                       | 1412                  | 1059 | 847  | 706  | 605 | 530 | 1130                  | 847  | 678  | 565 | 484 | 424 | 1059                  | 794  | 636  | 530 | 454 | 397 | 942                   | 706  | 565 | 471 | 404 | 353 |
| 15,5                     | 1545                  | 1159 | 927  | 772  | 662 | 579 | 1236                  | 927  | 742  | 618 | 530 | 463 | 1159                  | 869  | 695  | 579 | 497 | 434 | 1030                  | 772  | 618 | 515 | 441 | 386 |
| 16                       | 1685                  | 1263 | 1011 | 842  | 722 | 632 | 1348                  | 1011 | 809  | 674 | 578 | 505 | 1263                  | 948  | 758  | 632 | 541 | 474 | 1123                  | 842  | 674 | 562 | 481 | 421 |
| 16,5                     | 1800                  | 1350 | 1080 | 900  | 772 | 675 | 1440                  | 1080 | 864  | 720 | 617 | 540 | 1350                  | 1013 | 810  | 675 | 579 | 506 | 1200                  | 900  | 720 | 600 | 514 | 450 |
| 17                       | 1952                  | 1464 | 1171 | 976  | 837 | 732 | 1562                  | 1171 | 937  | 781 | 669 | 586 | 1464                  | 1098 | 879  | 732 | 628 | 549 | 1301                  | 976  | 781 | 651 | 558 | 488 |
| 17,5                     | 2097                  | 1573 | 1258 | 1049 | 899 | 787 | 1678                  | 1258 | 1007 | 839 | 719 | 629 | 1573                  | 1180 | 944  | 787 | 674 | 590 | 1398                  | 1049 | 839 | 699 | 599 | 524 |
| 18                       | 2171                  | 1628 | 1302 | 1085 | 930 | 814 | 1737                  | 1302 | 1042 | 868 | 744 | 651 | 1628                  | 1221 | 977  | 814 | 698 | 611 | 1447                  | 1085 | 868 | 724 | 620 | 543 |
| 18,5                     | 2221                  | 1666 | 1333 | 1111 | 952 | 833 | 1777                  | 1333 | 1066 | 888 | 762 | 666 | 1666                  | 1249 | 1000 | 833 | 714 | 625 | 1481                  | 1111 | 888 | 740 | 635 | 555 |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatką I



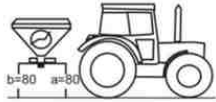
**N 32 Zaksan**

**Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.**

Formuła nawozu: N 32  
Klasa ziarnowa: granulę 2-5 mm, nie mniej niż 95%  
Gęstość nasypowa: 0,98-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |      |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 2,3            |      |     |     |     |     | ŁD I - 2,4            |     |     |     |     |     | ŁD I - 3              |     |     |     |     |     |
|                          | ŁK I - 3,3            |      |     |     |     |     | ŁK I - 3,3            |     |     |     |     |     | ŁK I - 4              |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 41                    | 31   | 25  | 21  | 18  | 15  | 39                    | 29  | 24  | 20  | 17  | 15  | 34                    | 26  | 21  | 17  | 15  | 13  |
| 4,5                      | 51                    | 38   | 31  | 26  | 22  | 19  | 49                    | 37  | 29  | 24  | 21  | 18  | 43                    | 32  | 26  | 21  | 18  | 16  |
| 5                        | 62                    | 47   | 37  | 31  | 27  | 23  | 59                    | 44  | 35  | 30  | 25  | 22  | 52                    | 39  | 31  | 26  | 22  | 19  |
| 5,5                      | 75                    | 57   | 45  | 38  | 32  | 28  | 72                    | 54  | 43  | 36  | 31  | 27  | 63                    | 47  | 38  | 31  | 27  | 24  |
| 6                        | 94                    | 70   | 56  | 47  | 40  | 35  | 89                    | 67  | 53  | 45  | 38  | 33  | 78                    | 58  | 47  | 39  | 33  | 29  |
| 6,5                      | 113                   | 85   | 68  | 56  | 48  | 42  | 107                   | 81  | 64  | 54  | 46  | 40  | 94                    | 71  | 56  | 47  | 40  | 35  |
| 7                        | 132                   | 99   | 79  | 66  | 57  | 49  | 126                   | 94  | 75  | 63  | 54  | 47  | 110                   | 82  | 66  | 55  | 47  | 41  |
| 7,5                      | 156                   | 117  | 94  | 78  | 67  | 59  | 149                   | 111 | 89  | 74  | 64  | 56  | 130                   | 98  | 78  | 65  | 56  | 49  |
| 8                        | 182                   | 136  | 109 | 91  | 78  | 68  | 173                   | 130 | 104 | 86  | 74  | 65  | 151                   | 114 | 91  | 76  | 65  | 57  |
| 8,5                      | 207                   | 155  | 124 | 103 | 89  | 78  | 197                   | 148 | 118 | 98  | 84  | 74  | 172                   | 129 | 103 | 86  | 74  | 65  |
| 9                        | 245                   | 183  | 147 | 122 | 105 | 92  | 233                   | 175 | 140 | 116 | 100 | 87  | 204                   | 153 | 122 | 102 | 87  | 76  |
| 9,5                      | 277                   | 208  | 166 | 138 | 119 | 104 | 264                   | 198 | 158 | 132 | 113 | 99  | 231                   | 173 | 138 | 115 | 99  | 87  |
| 10                       | 309                   | 232  | 186 | 155 | 133 | 116 | 295                   | 221 | 177 | 147 | 126 | 111 | 258                   | 193 | 155 | 129 | 111 | 97  |
| 10,5                     | 352                   | 264  | 211 | 176 | 151 | 132 | 336                   | 252 | 201 | 168 | 144 | 126 | 294                   | 220 | 176 | 147 | 126 | 110 |
| 11                       | 396                   | 297  | 237 | 198 | 170 | 148 | 377                   | 283 | 226 | 188 | 162 | 141 | 330                   | 247 | 198 | 165 | 141 | 124 |
| 11,5                     | 440                   | 330  | 264 | 220 | 189 | 165 | 419                   | 315 | 252 | 210 | 180 | 157 | 367                   | 275 | 220 | 183 | 157 | 138 |
| 12                       | 497                   | 373  | 298 | 248 | 213 | 186 | 473                   | 355 | 284 | 237 | 203 | 177 | 414                   | 311 | 248 | 207 | 177 | 155 |
| 12,5                     | 537                   | 402  | 322 | 268 | 230 | 201 | 511                   | 383 | 307 | 255 | 219 | 192 | 447                   | 335 | 268 | 224 | 192 | 168 |
| 13                       | 596                   | 447  | 358 | 298 | 255 | 223 | 568                   | 426 | 341 | 284 | 243 | 213 | 497                   | 372 | 298 | 248 | 213 | 186 |
| 13,5                     | 652                   | 489  | 391 | 326 | 279 | 245 | 621                   | 466 | 373 | 311 | 266 | 233 | 543                   | 408 | 326 | 272 | 233 | 204 |
| 14                       | 712                   | 534  | 427 | 356 | 305 | 267 | 678                   | 508 | 407 | 339 | 290 | 254 | 593                   | 445 | 356 | 297 | 254 | 222 |
| 14,5                     | 779                   | 584  | 468 | 390 | 334 | 292 | 742                   | 557 | 445 | 371 | 318 | 278 | 649                   | 487 | 390 | 325 | 278 | 244 |
| 15                       | 847                   | 636  | 508 | 424 | 363 | 318 | 807                   | 605 | 484 | 404 | 346 | 303 | 706                   | 530 | 424 | 353 | 303 | 265 |
| 15,5                     | 927                   | 695  | 556 | 463 | 397 | 348 | 883                   | 662 | 530 | 441 | 378 | 331 | 772                   | 579 | 463 | 386 | 331 | 290 |
| 16                       | 1011                  | 758  | 606 | 505 | 433 | 379 | 963                   | 722 | 578 | 481 | 413 | 361 | 842                   | 632 | 505 | 421 | 361 | 316 |
| 16,5                     | 1080                  | 810  | 648 | 540 | 463 | 405 | 1029                  | 772 | 617 | 514 | 441 | 386 | 900                   | 675 | 540 | 450 | 386 | 338 |
| 17                       | 1171                  | 879  | 703 | 586 | 502 | 439 | 1116                  | 837 | 669 | 558 | 478 | 418 | 976                   | 732 | 586 | 488 | 418 | 366 |
| 17,5                     | 1258                  | 944  | 755 | 629 | 539 | 472 | 1199                  | 899 | 719 | 599 | 514 | 449 | 1049                  | 787 | 629 | 524 | 449 | 393 |
| 18                       | 1302                  | 977  | 781 | 651 | 558 | 488 | 1240                  | 930 | 744 | 620 | 532 | 465 | 1085                  | 814 | 651 | 543 | 465 | 407 |
| 18,5                     | 1333                  | 1000 | 800 | 666 | 571 | 500 | 1269                  | 952 | 762 | 635 | 544 | 476 | 1111                  | 833 | 666 | 555 | 476 | 416 |

ŁD I - Łopatką I długa  
ŁD II - Łopatką II długa  
ŁK I - Łopatką I krótka  
ŁK II - Łopatką II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**N 32 Zaksan**

**Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.**

Formuła nawozu: N 32  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 95%  
Gęstość nasypowa: 0,98-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |     |     |     |     | 20 m                  |      |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1             |      |     |     |     |     | ŁD II - 1,2           |      |     |     |     |     | ŁD II - 1,2           |     |     |     |     |     | ŁD II - 1,4           |     |     |     |     |     |
|                          | ŁK II - 1,4           |      |     |     |     |     | ŁK II - 1,4           |      |     |     |     |     | ŁK II - 2             |     |     |     |     |     | ŁK II - 2             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 46                    | 34   | 28  | 23  | 20  | 17  | 41                    | 31   | 25  | 21  | 18  | 15  | 39                    | 29  | 24  | 20  | 17  | 15  | 34                    | 26  | 21  | 17  | 15  | 13  |
| 4,5                      | 57                    | 43   | 34  | 28  | 24  | 21  | 51                    | 38   | 31  | 26  | 22  | 19  | 49                    | 37  | 29  | 24  | 21  | 18  | 43                    | 32  | 26  | 21  | 18  | 16  |
| 5                        | 69                    | 52   | 41  | 35  | 30  | 26  | 62                    | 47   | 37  | 31  | 27  | 23  | 59                    | 44  | 35  | 30  | 25  | 22  | 52                    | 39  | 31  | 26  | 22  | 19  |
| 5,5                      | 84                    | 63   | 50  | 42  | 36  | 31  | 75                    | 57   | 45  | 38  | 32  | 28  | 72                    | 54  | 43  | 36  | 31  | 27  | 63                    | 47  | 38  | 31  | 27  | 24  |
| 6                        | 104                   | 78   | 62  | 52  | 45  | 39  | 94                    | 70   | 56  | 47  | 40  | 35  | 89                    | 67  | 53  | 45  | 38  | 33  | 78                    | 58  | 47  | 39  | 33  | 29  |
| 6,5                      | 125                   | 94   | 75  | 63  | 54  | 47  | 113                   | 85   | 68  | 56  | 48  | 42  | 107                   | 81  | 64  | 54  | 46  | 40  | 94                    | 71  | 56  | 47  | 40  | 35  |
| 7                        | 147                   | 110  | 88  | 73  | 63  | 55  | 132                   | 99   | 79  | 66  | 57  | 49  | 126                   | 94  | 75  | 63  | 54  | 47  | 110                   | 82  | 66  | 55  | 47  | 41  |
| 7,5                      | 173                   | 130  | 104 | 87  | 74  | 65  | 156                   | 117  | 94  | 78  | 67  | 59  | 149                   | 111 | 89  | 74  | 64  | 56  | 130                   | 98  | 78  | 65  | 56  | 49  |
| 8                        | 202                   | 151  | 121 | 101 | 86  | 76  | 182                   | 136  | 109 | 91  | 78  | 68  | 173                   | 130 | 104 | 86  | 74  | 65  | 151                   | 114 | 91  | 76  | 65  | 57  |
| 8,5                      | 230                   | 172  | 138 | 115 | 98  | 86  | 207                   | 155  | 124 | 103 | 89  | 78  | 197                   | 148 | 118 | 98  | 84  | 74  | 172                   | 129 | 103 | 86  | 74  | 65  |
| 9                        | 272                   | 204  | 163 | 136 | 116 | 102 | 245                   | 183  | 147 | 122 | 105 | 92  | 233                   | 175 | 140 | 116 | 100 | 87  | 204                   | 153 | 122 | 102 | 87  | 76  |
| 9,5                      | 308                   | 231  | 185 | 154 | 132 | 115 | 277                   | 208  | 166 | 138 | 119 | 104 | 264                   | 198 | 158 | 132 | 113 | 99  | 231                   | 173 | 138 | 115 | 99  | 87  |
| 10                       | 344                   | 258  | 206 | 172 | 147 | 129 | 309                   | 232  | 186 | 155 | 133 | 116 | 295                   | 221 | 177 | 147 | 126 | 111 | 258                   | 193 | 155 | 129 | 111 | 97  |
| 10,5                     | 392                   | 294  | 235 | 196 | 168 | 147 | 352                   | 264  | 211 | 176 | 151 | 132 | 336                   | 252 | 201 | 168 | 144 | 126 | 294                   | 220 | 176 | 147 | 126 | 110 |
| 11                       | 440                   | 330  | 264 | 220 | 188 | 165 | 396                   | 297  | 237 | 198 | 170 | 148 | 377                   | 283 | 226 | 188 | 162 | 141 | 330                   | 247 | 198 | 165 | 141 | 124 |
| 11,5                     | 489                   | 367  | 294 | 245 | 210 | 183 | 440                   | 330  | 264 | 220 | 189 | 165 | 419                   | 315 | 252 | 210 | 180 | 157 | 367                   | 275 | 220 | 183 | 157 | 138 |
| 12                       | 552                   | 414  | 331 | 276 | 237 | 207 | 497                   | 373  | 298 | 248 | 213 | 186 | 473                   | 355 | 284 | 237 | 203 | 177 | 414                   | 311 | 248 | 207 | 177 | 155 |
| 12,5                     | 596                   | 447  | 358 | 298 | 255 | 224 | 537                   | 402  | 322 | 268 | 230 | 201 | 511                   | 383 | 307 | 255 | 219 | 192 | 447                   | 335 | 268 | 224 | 192 | 168 |
| 13                       | 662                   | 497  | 397 | 331 | 284 | 248 | 596                   | 447  | 358 | 298 | 255 | 223 | 568                   | 426 | 341 | 284 | 243 | 213 | 497                   | 372 | 298 | 248 | 213 | 186 |
| 13,5                     | 725                   | 543  | 435 | 362 | 311 | 272 | 652                   | 489  | 391 | 326 | 279 | 245 | 621                   | 466 | 373 | 311 | 266 | 233 | 543                   | 408 | 326 | 272 | 233 | 204 |
| 14                       | 791                   | 593  | 474 | 395 | 339 | 297 | 712                   | 534  | 427 | 356 | 305 | 267 | 678                   | 508 | 407 | 339 | 290 | 254 | 593                   | 445 | 356 | 297 | 254 | 222 |
| 14,5                     | 866                   | 649  | 519 | 433 | 371 | 325 | 779                   | 584  | 468 | 390 | 334 | 292 | 742                   | 557 | 445 | 371 | 318 | 278 | 649                   | 487 | 390 | 325 | 278 | 244 |
| 15                       | 942                   | 706  | 565 | 471 | 404 | 353 | 847                   | 636  | 508 | 424 | 363 | 318 | 807                   | 605 | 484 | 404 | 346 | 303 | 706                   | 530 | 424 | 353 | 303 | 265 |
| 15,5                     | 1030                  | 772  | 618 | 515 | 441 | 386 | 927                   | 695  | 556 | 463 | 397 | 348 | 883                   | 662 | 530 | 441 | 378 | 331 | 772                   | 579 | 463 | 386 | 331 | 290 |
| 16                       | 1123                  | 842  | 674 | 562 | 481 | 421 | 1011                  | 758  | 606 | 505 | 433 | 379 | 963                   | 722 | 578 | 481 | 413 | 361 | 842                   | 632 | 505 | 421 | 361 | 316 |
| 16,5                     | 1200                  | 900  | 720 | 600 | 514 | 450 | 1080                  | 810  | 648 | 540 | 463 | 405 | 1029                  | 772 | 617 | 514 | 441 | 386 | 900                   | 675 | 540 | 450 | 386 | 338 |
| 17                       | 1301                  | 976  | 781 | 651 | 558 | 488 | 1171                  | 879  | 703 | 586 | 502 | 439 | 1116                  | 837 | 669 | 558 | 478 | 418 | 976                   | 732 | 586 | 488 | 418 | 366 |
| 17,5                     | 1398                  | 1049 | 839 | 699 | 599 | 524 | 1258                  | 944  | 755 | 629 | 539 | 472 | 1199                  | 899 | 719 | 599 | 514 | 449 | 1049                  | 787 | 629 | 524 | 449 | 393 |
| 18                       | 1447                  | 1085 | 868 | 724 | 620 | 543 | 1302                  | 977  | 781 | 651 | 558 | 488 | 1240                  | 930 | 744 | 620 | 532 | 465 | 1085                  | 814 | 651 | 543 | 465 | 407 |
| 18,5                     | 1481                  | 1111 | 888 | 740 | 635 | 555 | 1333                  | 1000 | 800 | 666 | 571 | 500 | 1269                  | 952 | 762 | 635 | 544 | 476 | 1111                  | 833 | 666 | 555 | 476 | 416 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**N 32 Zaksan**

**Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.**

Formuła nawozu: N 32  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 95%  
Gęstość nasypowa: 0,98-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     | 32 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1,4           |     |     |     |     |     | ŁD II - 2             |     |     |     |     |     | ŁD II - 2,3           |     |     |     |     |     | ŁD II - 2,3           |     |     |     |     |     |
|                          | ŁK II - 2,4           |     |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     | ŁK II - 4             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 31                    | 23  | 18  | 15  | 13  | 11  | 29                    | 22  | 18  | 15  | 13  | 11  | 28                    | 21  | 17  | 14  | 12  | 10  | 26                    | 19  | 15  | 13  | 11  | 10  |
| 4,5                      | 38                    | 28  | 23  | 19  | 16  | 14  | 37                    | 27  | 22  | 18  | 16  | 14  | 34                    | 26  | 20  | 17  | 15  | 13  | 32                    | 24  | 19  | 16  | 14  | 12  |
| 5                        | 46                    | 35  | 28  | 23  | 20  | 17  | 44                    | 33  | 27  | 22  | 19  | 17  | 41                    | 31  | 25  | 21  | 18  | 16  | 39                    | 29  | 23  | 19  | 17  | 15  |
| 5,5                      | 56                    | 42  | 33  | 28  | 24  | 21  | 54                    | 40  | 32  | 27  | 23  | 20  | 50                    | 38  | 30  | 25  | 22  | 19  | 47                    | 35  | 28  | 24  | 20  | 18  |
| 6                        | 69                    | 52  | 42  | 35  | 30  | 26  | 67                    | 50  | 40  | 33  | 29  | 25  | 62                    | 47  | 37  | 31  | 27  | 23  | 58                    | 44  | 35  | 29  | 25  | 22  |
| 6,5                      | 84                    | 63  | 50  | 42  | 36  | 31  | 81                    | 60  | 48  | 40  | 35  | 30  | 75                    | 56  | 45  | 38  | 32  | 28  | 71                    | 53  | 42  | 35  | 30  | 26  |
| 7                        | 98                    | 73  | 59  | 49  | 42  | 37  | 94                    | 71  | 57  | 47  | 40  | 35  | 88                    | 66  | 53  | 44  | 38  | 33  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7,5                      | 116                   | 87  | 69  | 58  | 50  | 43  | 111                   | 84  | 67  | 56  | 48  | 42  | 104                   | 78  | 62  | 52  | 45  | 39  | 98                    | 73  | 59  | 49  | 42  | 37  |
| 8                        | 135                   | 101 | 81  | 67  | 58  | 50  | 130                   | 97  | 78  | 65  | 56  | 49  | 121                   | 91  | 73  | 61  | 52  | 45  | 114                   | 85  | 68  | 57  | 49  | 43  |
| 8,5                      | 153                   | 115 | 92  | 77  | 66  | 57  | 148                   | 111 | 89  | 74  | 63  | 55  | 138                   | 103 | 83  | 69  | 59  | 52  | 129                   | 97  | 78  | 65  | 55  | 48  |
| 9                        | 181                   | 136 | 109 | 91  | 78  | 68  | 175                   | 131 | 105 | 87  | 75  | 66  | 163                   | 122 | 98  | 82  | 70  | 61  | 153                   | 115 | 92  | 76  | 66  | 57  |
| 9,5                      | 205                   | 154 | 123 | 103 | 88  | 77  | 198                   | 148 | 119 | 99  | 85  | 74  | 185                   | 138 | 111 | 92  | 79  | 69  | 173                   | 130 | 104 | 87  | 74  | 65  |
| 10                       | 229                   | 172 | 138 | 115 | 98  | 86  | 221                   | 166 | 133 | 111 | 95  | 83  | 206                   | 155 | 124 | 103 | 88  | 77  | 193                   | 145 | 116 | 97  | 83  | 73  |
| 10,5                     | 261                   | 196 | 157 | 131 | 112 | 98  | 252                   | 189 | 151 | 126 | 108 | 94  | 235                   | 176 | 141 | 117 | 101 | 88  | 220                   | 165 | 132 | 110 | 94  | 83  |
| 11                       | 293                   | 220 | 176 | 147 | 126 | 110 | 283                   | 212 | 170 | 141 | 121 | 106 | 264                   | 198 | 158 | 132 | 113 | 99  | 247                   | 186 | 148 | 124 | 106 | 93  |
| 11,5                     | 326                   | 245 | 196 | 163 | 140 | 122 | 315                   | 236 | 189 | 157 | 135 | 118 | 294                   | 220 | 176 | 147 | 126 | 110 | 275                   | 206 | 165 | 138 | 118 | 103 |
| 12                       | 368                   | 276 | 221 | 184 | 158 | 138 | 355                   | 266 | 213 | 177 | 152 | 133 | 331                   | 248 | 199 | 166 | 142 | 124 | 311                   | 233 | 186 | 155 | 133 | 116 |
| 12,5                     | 397                   | 298 | 238 | 199 | 170 | 149 | 383                   | 287 | 230 | 192 | 164 | 144 | 358                   | 268 | 215 | 179 | 153 | 134 | 335                   | 251 | 201 | 168 | 144 | 126 |
| 13                       | 441                   | 331 | 265 | 221 | 189 | 166 | 426                   | 319 | 255 | 213 | 182 | 160 | 397                   | 298 | 238 | 199 | 170 | 149 | 372                   | 279 | 223 | 186 | 160 | 140 |
| 13,5                     | 483                   | 362 | 290 | 242 | 207 | 181 | 466                   | 349 | 279 | 233 | 200 | 175 | 435                   | 326 | 261 | 217 | 186 | 163 | 408                   | 306 | 245 | 204 | 175 | 153 |
| 14                       | 527                   | 395 | 316 | 264 | 226 | 198 | 508                   | 381 | 305 | 254 | 218 | 191 | 474                   | 356 | 285 | 237 | 203 | 178 | 445                   | 334 | 267 | 222 | 191 | 167 |
| 14,5                     | 577                   | 433 | 346 | 289 | 247 | 216 | 557                   | 417 | 334 | 278 | 239 | 209 | 519                   | 390 | 312 | 260 | 223 | 195 | 487                   | 365 | 292 | 244 | 209 | 183 |
| 15                       | 628                   | 471 | 377 | 314 | 269 | 235 | 605                   | 454 | 363 | 303 | 259 | 227 | 565                   | 424 | 339 | 282 | 242 | 212 | 530                   | 397 | 318 | 265 | 227 | 199 |
| 15,5                     | 687                   | 515 | 412 | 343 | 294 | 257 | 662                   | 497 | 397 | 331 | 284 | 248 | 618                   | 463 | 371 | 309 | 265 | 232 | 579                   | 434 | 348 | 290 | 248 | 217 |
| 16                       | 749                   | 562 | 449 | 374 | 321 | 281 | 722                   | 541 | 433 | 361 | 309 | 271 | 674                   | 505 | 404 | 337 | 289 | 253 | 632                   | 474 | 379 | 316 | 271 | 237 |
| 16,5                     | 800                   | 600 | 480 | 400 | 343 | 300 | 772                   | 579 | 463 | 386 | 331 | 289 | 720                   | 540 | 432 | 360 | 309 | 270 | 675                   | 506 | 405 | 338 | 289 | 253 |
| 17                       | 868                   | 651 | 521 | 434 | 372 | 325 | 837                   | 628 | 502 | 418 | 359 | 314 | 781                   | 586 | 469 | 390 | 335 | 293 | 732                   | 549 | 439 | 366 | 314 | 275 |
| 17,5                     | 932                   | 699 | 559 | 466 | 400 | 350 | 899                   | 674 | 539 | 449 | 385 | 337 | 839                   | 629 | 503 | 419 | 360 | 315 | 787                   | 590 | 472 | 393 | 337 | 295 |
| 18                       | 965                   | 724 | 579 | 482 | 413 | 362 | 930                   | 698 | 558 | 465 | 399 | 349 | 868                   | 651 | 521 | 434 | 372 | 326 | 814                   | 611 | 488 | 407 | 349 | 305 |
| 18,5                     | 987                   | 740 | 592 | 494 | 423 | 370 | 952                   | 714 | 571 | 476 | 408 | 357 | 888                   | 666 | 533 | 444 | 381 | 333 | 833                   | 625 | 500 | 416 | 357 | 312 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**N 32 Zaksan**

**Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.**

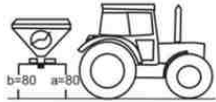
Formuła nawozu: N 32  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 95%  
Gęstość nasypowa: 0,98-1,0 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy | Wysiew graniczny |                        |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 1,4                  | ŁK I - 4    | 540 obr/min | 20             | 70                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 15                | ŁD I - 2                    | ŁK I - 4    | 540 obr/min | 25             | 70                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 16                | ŁD I - 2,1                  | ŁK I - 4    | 540 obr/min | 25             | 60                 | 80               | -1                     | -25%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 18                | ŁD I - 2,2                  | ŁK I - 4    | 540 obr/min | 30             | 60                 | 80               | -1                     | -25%                     | 100                 | -3                     | -60%                     | -                |
|                   | ŁD II - 1                   | ŁK II - 1,4 | 540 obr/min | 30             | 60                 | 80               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
| 20                | ŁD I - 2,3                  | ŁK I - 3,3  | 540 obr/min | 35             | 50                 | 70               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
|                   | ŁD II - 1,2                 | ŁK II - 1,4 | 540 obr/min | 35             | 40                 | 70               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 21                | ŁD I - 2,4                  | ŁK I - 3,3  | 540 obr/min | 35             | 40                 | 70               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
|                   | ŁD II - 1,2                 | ŁK II - 2   | 540 obr/min | 35             | 40                 | 70               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
| 24                | ŁD I - 3                    | ŁK I - 4    | 540 obr/min | 35             | 40                 | 60               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
|                   | ŁD II - 1,4                 | ŁK II - 2   | 540 obr/min | 40             | 30                 | 70               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
| 27                | ŁD II - 1,4                 | ŁK II - 2,4 | 540 obr/min | 40             | 30                 | 60               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
| 28                | ŁD II - 2                   | ŁK II - 3,2 | 540 obr/min | 40             | 30                 | 60               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
| 30                | ŁD II - 2,3                 | ŁK II - 3,2 | 540 obr/min | 45             | 20                 | 60               | 0                      | 0%                       | 70                  | -1                     | -25%                     | -                |
| 32                | ŁD II - 2,3                 | ŁK II - 4   | 540 obr/min | 45             | 20                 | 50               | 0                      | 0%                       | 70                  | -1                     | -25%                     | -                |

ŁD I - Łopátka I długa  
ŁD II - Łopátka II długa  
ŁK I - Łopátka I krótka  
ŁK II - Łopátka II krótka







# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**N 27,5 Salmag**

**Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.**

Formuła nawozu: N(CaMg) 27,5-(3,5-4)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 95%  
Gęstość nasypowa: 1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |     |     | 15 m                  |      |      |     |     |     | 16 m                  |      |     |     |     |     | 18 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|------|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 1,4            |      |      |      |     |     | ŁD I - 2              |      |      |     |     |     | ŁD I - 2,1            |      |     |     |     |     | ŁD I - 2,2            |      |     |     |     |     |
|                          | ŁK I - 4              |      |      |      |     |     | ŁK I - 4              |      |      |     |     |     | ŁK I - 4              |      |     |     |     |     | ŁK I - 4              |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |     |     |                       |      |      |     |     |     |                       |      |     |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 64                    | 48   | 38   | 32   | 27  | 24  | 51                    | 38   | 31   | 26  | 22  | 19  | 48                    | 36   | 29  | 24  | 21  | 18  | 43                    | 32   | 26  | 21  | 18  | 16  |
| 4,5                      | 80                    | 60   | 48   | 40   | 34  | 30  | 64                    | 48   | 39   | 32  | 28  | 24  | 60                    | 45   | 36  | 30  | 26  | 23  | 54                    | 40   | 32  | 27  | 23  | 20  |
| 5                        | 98                    | 73   | 59   | 49   | 42  | 37  | 78                    | 59   | 47   | 39  | 34  | 29  | 73                    | 55   | 44  | 37  | 31  | 28  | 65                    | 49   | 39  | 33  | 28  | 24  |
| 5,5                      | 122                   | 92   | 73   | 61   | 52  | 46  | 98                    | 73   | 59   | 49  | 42  | 37  | 92                    | 69   | 55  | 46  | 39  | 34  | 81                    | 61   | 49  | 41  | 35  | 31  |
| 6                        | 144                   | 108  | 86   | 72   | 62  | 54  | 115                   | 86   | 69   | 58  | 49  | 43  | 108                   | 81   | 65  | 54  | 46  | 41  | 96                    | 72   | 58  | 48  | 41  | 36  |
| 6,5                      | 171                   | 128  | 103  | 86   | 73  | 64  | 137                   | 103  | 82   | 68  | 59  | 51  | 128                   | 96   | 77  | 64  | 55  | 48  | 114                   | 86   | 68  | 57  | 49  | 43  |
| 7                        | 203                   | 152  | 122  | 101  | 87  | 76  | 162                   | 122  | 97   | 81  | 70  | 61  | 152                   | 114  | 91  | 76  | 65  | 57  | 135                   | 101  | 81  | 68  | 58  | 51  |
| 7,5                      | 245                   | 184  | 147  | 123  | 105 | 92  | 196                   | 147  | 118  | 98  | 84  | 74  | 184                   | 138  | 110 | 92  | 79  | 69  | 163                   | 123  | 98  | 82  | 70  | 61  |
| 8                        | 292                   | 219  | 175  | 146  | 125 | 110 | 234                   | 175  | 140  | 117 | 100 | 88  | 219                   | 164  | 131 | 110 | 94  | 82  | 195                   | 146  | 117 | 97  | 83  | 73  |
| 8,5                      | 341                   | 256  | 204  | 170  | 146 | 128 | 273                   | 204  | 164  | 136 | 117 | 102 | 256                   | 192  | 153 | 128 | 110 | 96  | 227                   | 170  | 136 | 114 | 97  | 85  |
| 9                        | 393                   | 294  | 236  | 196  | 168 | 147 | 314                   | 236  | 188  | 157 | 135 | 118 | 294                   | 221  | 177 | 147 | 126 | 110 | 262                   | 196  | 157 | 131 | 112 | 98  |
| 9,5                      | 446                   | 334  | 267  | 223  | 191 | 167 | 356                   | 267  | 214  | 178 | 153 | 134 | 334                   | 251  | 201 | 167 | 143 | 125 | 297                   | 223  | 178 | 149 | 127 | 111 |
| 10                       | 505                   | 379  | 303  | 253  | 217 | 190 | 404                   | 303  | 243  | 202 | 173 | 152 | 379                   | 284  | 227 | 190 | 162 | 142 | 337                   | 253  | 202 | 168 | 144 | 126 |
| 10,5                     | 570                   | 427  | 342  | 285  | 244 | 214 | 456                   | 342  | 273  | 228 | 195 | 171 | 427                   | 320  | 256 | 214 | 183 | 160 | 380                   | 285  | 228 | 190 | 163 | 142 |
| 11                       | 626                   | 469  | 375  | 313  | 268 | 235 | 500                   | 375  | 300  | 250 | 214 | 188 | 469                   | 352  | 281 | 235 | 201 | 176 | 417                   | 313  | 250 | 209 | 179 | 156 |
| 11,5                     | 714                   | 536  | 429  | 357  | 306 | 268 | 571                   | 429  | 343  | 286 | 245 | 214 | 536                   | 402  | 321 | 268 | 230 | 201 | 476                   | 357  | 286 | 238 | 204 | 179 |
| 12                       | 770                   | 578  | 462  | 385  | 330 | 289 | 616                   | 462  | 370  | 308 | 264 | 231 | 578                   | 433  | 347 | 289 | 248 | 217 | 514                   | 385  | 308 | 257 | 220 | 193 |
| 12,5                     | 876                   | 657  | 526  | 438  | 376 | 329 | 701                   | 526  | 421  | 351 | 300 | 263 | 657                   | 493  | 394 | 329 | 282 | 246 | 584                   | 438  | 351 | 292 | 250 | 219 |
| 13                       | 956                   | 717  | 574  | 478  | 410 | 359 | 765                   | 574  | 459  | 382 | 328 | 287 | 717                   | 538  | 430 | 359 | 307 | 269 | 637                   | 478  | 382 | 319 | 273 | 239 |
| 13,5                     | 1068                  | 801  | 641  | 534  | 458 | 401 | 855                   | 641  | 513  | 427 | 366 | 321 | 801                   | 601  | 481 | 401 | 343 | 300 | 712                   | 534  | 427 | 356 | 305 | 267 |
| 14                       | 1166                  | 875  | 700  | 583  | 500 | 437 | 933                   | 700  | 560  | 466 | 400 | 350 | 875                   | 656  | 525 | 437 | 375 | 328 | 777                   | 583  | 466 | 389 | 333 | 292 |
| 14,5                     | 1276                  | 957  | 766  | 638  | 547 | 479 | 1021                  | 766  | 613  | 510 | 438 | 383 | 957                   | 718  | 574 | 479 | 410 | 359 | 851                   | 638  | 510 | 425 | 365 | 319 |
| 15                       | 1407                  | 1055 | 844  | 704  | 603 | 528 | 1126                  | 844  | 675  | 563 | 482 | 422 | 1055                  | 791  | 633 | 528 | 452 | 396 | 938                   | 704  | 563 | 469 | 402 | 352 |
| 15,5                     | 1535                  | 1151 | 921  | 768  | 658 | 576 | 1228                  | 921  | 737  | 614 | 526 | 461 | 1151                  | 864  | 691 | 576 | 493 | 432 | 1023                  | 768  | 614 | 512 | 439 | 384 |
| 16                       | 1671                  | 1253 | 1003 | 836  | 716 | 627 | 1337                  | 1003 | 802  | 668 | 573 | 501 | 1253                  | 940  | 752 | 627 | 537 | 470 | 1114                  | 836  | 668 | 557 | 477 | 418 |
| 16,5                     | 1783                  | 1337 | 1070 | 891  | 764 | 669 | 1426                  | 1070 | 856  | 713 | 611 | 535 | 1337                  | 1003 | 802 | 669 | 573 | 501 | 1189                  | 891  | 713 | 594 | 509 | 446 |
| 17                       | 1957                  | 1468 | 1174 | 978  | 839 | 734 | 1565                  | 1174 | 939  | 783 | 671 | 587 | 1468                  | 1101 | 881 | 734 | 629 | 550 | 1305                  | 978  | 783 | 652 | 559 | 489 |
| 17,5                     | 2111                  | 1583 | 1267 | 1056 | 905 | 792 | 1689                  | 1267 | 1013 | 844 | 724 | 633 | 1583                  | 1188 | 950 | 792 | 679 | 594 | 1407                  | 1056 | 844 | 704 | 603 | 528 |
| 18                       | 2165                  | 1623 | 1299 | 1082 | 928 | 812 | 1732                  | 1299 | 1039 | 866 | 742 | 649 | 1623                  | 1218 | 974 | 812 | 696 | 609 | 1443                  | 1082 | 866 | 722 | 618 | 541 |
| 18,5                     | 2189                  | 1642 | 1314 | 1095 | 938 | 821 | 1751                  | 1314 | 1051 | 876 | 751 | 657 | 1642                  | 1231 | 985 | 821 | 704 | 616 | 1459                  | 1095 | 876 | 730 | 625 | 547 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatką I



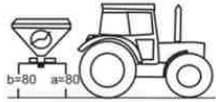
**N 27,5 Salmag**

**Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.**

Formuła nawozu: N(CaMg) 27,5-(3,5-4)  
 Klasa ziarnowa: granule 2-5 mm, nie mniej niż 95%  
 Gęstość nasypowa: 1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 2,3            |     |     |     |     |     | ŁD I - 2,4            |     |     |     |     |     | ŁD I - 3              |     |     |     |     |     |
|                          | ŁK I - 3,3            |     |     |     |     |     | ŁK I - 3,3            |     |     |     |     |     | ŁK I - 4              |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 38                    | 29  | 23  | 19  | 16  | 14  | 36                    | 27  | 22  | 18  | 16  | 14  | 32                    | 24  | 19  | 16  | 14  | 12  |
| 4,5                      | 48                    | 36  | 29  | 24  | 21  | 18  | 46                    | 34  | 28  | 23  | 20  | 17  | 40                    | 30  | 24  | 20  | 17  | 15  |
| 5                        | 59                    | 44  | 35  | 29  | 25  | 22  | 56                    | 42  | 34  | 28  | 24  | 21  | 49                    | 37  | 29  | 24  | 21  | 18  |
| 5,5                      | 73                    | 55  | 44  | 37  | 31  | 27  | 70                    | 52  | 42  | 35  | 30  | 26  | 61                    | 46  | 37  | 31  | 26  | 23  |
| 6                        | 86                    | 65  | 52  | 43  | 37  | 32  | 82                    | 62  | 49  | 41  | 35  | 31  | 72                    | 54  | 43  | 36  | 31  | 27  |
| 6,5                      | 103                   | 77  | 62  | 51  | 44  | 38  | 98                    | 73  | 59  | 49  | 42  | 37  | 86                    | 64  | 51  | 43  | 37  | 32  |
| 7                        | 122                   | 91  | 73  | 61  | 52  | 46  | 116                   | 87  | 70  | 58  | 50  | 43  | 101                   | 76  | 61  | 51  | 43  | 38  |
| 7,5                      | 147                   | 110 | 88  | 74  | 63  | 55  | 140                   | 105 | 84  | 70  | 60  | 53  | 123                   | 92  | 74  | 61  | 53  | 46  |
| 8                        | 175                   | 131 | 105 | 88  | 75  | 66  | 167                   | 125 | 100 | 83  | 72  | 63  | 146                   | 110 | 88  | 73  | 63  | 55  |
| 8,5                      | 204                   | 153 | 123 | 102 | 88  | 77  | 195                   | 146 | 117 | 97  | 83  | 73  | 170                   | 128 | 102 | 85  | 73  | 64  |
| 9                        | 236                   | 177 | 141 | 118 | 101 | 88  | 224                   | 168 | 135 | 112 | 96  | 84  | 196                   | 147 | 118 | 98  | 84  | 74  |
| 9,5                      | 267                   | 201 | 160 | 134 | 115 | 100 | 255                   | 191 | 153 | 127 | 109 | 95  | 223                   | 167 | 134 | 111 | 95  | 84  |
| 10                       | 303                   | 227 | 182 | 152 | 130 | 114 | 289                   | 217 | 173 | 144 | 124 | 108 | 253                   | 190 | 152 | 126 | 108 | 95  |
| 10,5                     | 342                   | 256 | 205 | 171 | 146 | 128 | 326                   | 244 | 195 | 163 | 140 | 122 | 285                   | 214 | 171 | 142 | 122 | 107 |
| 11                       | 375                   | 281 | 225 | 188 | 161 | 141 | 357                   | 268 | 214 | 179 | 153 | 134 | 313                   | 235 | 188 | 156 | 134 | 117 |
| 11,5                     | 429                   | 321 | 257 | 214 | 184 | 161 | 408                   | 306 | 245 | 204 | 175 | 153 | 357                   | 268 | 214 | 179 | 153 | 134 |
| 12                       | 462                   | 347 | 277 | 231 | 198 | 173 | 440                   | 330 | 264 | 220 | 189 | 165 | 385                   | 289 | 231 | 193 | 165 | 144 |
| 12,5                     | 526                   | 394 | 315 | 263 | 225 | 197 | 501                   | 376 | 300 | 250 | 215 | 188 | 438                   | 329 | 263 | 219 | 188 | 164 |
| 13                       | 574                   | 430 | 344 | 287 | 246 | 215 | 546                   | 410 | 328 | 273 | 234 | 205 | 478                   | 359 | 287 | 239 | 205 | 179 |
| 13,5                     | 641                   | 481 | 385 | 321 | 275 | 240 | 611                   | 458 | 366 | 305 | 262 | 229 | 534                   | 401 | 321 | 267 | 229 | 200 |
| 14                       | 700                   | 525 | 420 | 350 | 300 | 262 | 666                   | 500 | 400 | 333 | 286 | 250 | 583                   | 437 | 350 | 292 | 250 | 219 |
| 14,5                     | 766                   | 574 | 459 | 383 | 328 | 287 | 729                   | 547 | 438 | 365 | 313 | 273 | 638                   | 479 | 383 | 319 | 273 | 239 |
| 15                       | 844                   | 633 | 507 | 422 | 362 | 317 | 804                   | 603 | 482 | 402 | 345 | 302 | 704                   | 528 | 422 | 352 | 302 | 264 |
| 15,5                     | 921                   | 691 | 553 | 461 | 395 | 345 | 877                   | 658 | 526 | 439 | 376 | 329 | 768                   | 576 | 461 | 384 | 329 | 288 |
| 16                       | 1003                  | 752 | 602 | 501 | 430 | 376 | 955                   | 716 | 573 | 477 | 409 | 358 | 836                   | 627 | 501 | 418 | 358 | 313 |
| 16,5                     | 1070                  | 802 | 642 | 535 | 458 | 401 | 1019                  | 764 | 611 | 509 | 437 | 382 | 891                   | 669 | 535 | 446 | 382 | 334 |
| 17                       | 1174                  | 881 | 704 | 587 | 503 | 440 | 1118                  | 839 | 671 | 559 | 479 | 419 | 978                   | 734 | 587 | 489 | 419 | 367 |
| 17,5                     | 1267                  | 950 | 760 | 633 | 543 | 475 | 1206                  | 905 | 724 | 603 | 517 | 452 | 1056                  | 792 | 633 | 528 | 452 | 396 |
| 18                       | 1299                  | 974 | 779 | 649 | 557 | 487 | 1237                  | 928 | 742 | 618 | 530 | 464 | 1082                  | 812 | 649 | 541 | 464 | 406 |
| 18,5                     | 1314                  | 985 | 788 | 657 | 563 | 493 | 1251                  | 938 | 751 | 625 | 536 | 469 | 1095                  | 821 | 657 | 547 | 469 | 410 |

ŁD I - Łopatką I długa  
 ŁD II - Łopatką II długa  
 ŁK I - Łopatką I krótka  
 ŁK II - Łopatką II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



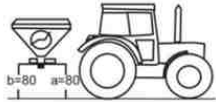
**N 27,5 Salmag**

**Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.**

Formuła nawozu: N(CaMg) 27,5-(3,5-4)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 95%  
Gęstość nasypowa: 1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |     |     |     |     | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1             |      |     |     |     |     | ŁD II - 1,2           |     |     |     |     |     | ŁD II - 1,2           |     |     |     |     |     | ŁD II - 1,4           |     |     |     |     |     |
|                          | ŁK II - 1,4           |      |     |     |     |     | ŁK II - 1,4           |     |     |     |     |     | ŁK II - 2             |     |     |     |     |     | ŁK II - 2             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 43                    | 32   | 26  | 21  | 18  | 16  | 38                    | 29  | 23  | 19  | 16  | 14  | 36                    | 27  | 22  | 18  | 16  | 14  | 32                    | 24  | 19  | 16  | 14  | 12  |
| 4,5                      | 54                    | 40   | 32  | 27  | 23  | 20  | 48                    | 36  | 29  | 24  | 21  | 18  | 46                    | 34  | 28  | 23  | 20  | 17  | 40                    | 30  | 24  | 20  | 17  | 15  |
| 5                        | 65                    | 49   | 39  | 33  | 28  | 24  | 59                    | 44  | 35  | 29  | 25  | 22  | 56                    | 42  | 34  | 28  | 24  | 21  | 49                    | 37  | 29  | 24  | 21  | 18  |
| 5,5                      | 81                    | 61   | 49  | 41  | 35  | 31  | 73                    | 55  | 44  | 37  | 31  | 27  | 70                    | 52  | 42  | 35  | 30  | 26  | 61                    | 46  | 37  | 31  | 26  | 23  |
| 6                        | 96                    | 72   | 58  | 48  | 41  | 36  | 86                    | 65  | 52  | 43  | 37  | 32  | 82                    | 62  | 49  | 41  | 35  | 31  | 72                    | 54  | 43  | 36  | 31  | 27  |
| 6,5                      | 114                   | 86   | 68  | 57  | 49  | 43  | 103                   | 77  | 62  | 51  | 44  | 38  | 98                    | 73  | 59  | 49  | 42  | 37  | 86                    | 64  | 51  | 43  | 37  | 32  |
| 7                        | 135                   | 101  | 81  | 68  | 58  | 51  | 122                   | 91  | 73  | 61  | 52  | 46  | 116                   | 87  | 70  | 58  | 50  | 43  | 101                   | 76  | 61  | 51  | 43  | 38  |
| 7,5                      | 163                   | 123  | 98  | 82  | 70  | 61  | 147                   | 110 | 88  | 74  | 63  | 55  | 140                   | 105 | 84  | 70  | 60  | 53  | 123                   | 92  | 74  | 61  | 53  | 46  |
| 8                        | 195                   | 146  | 117 | 97  | 83  | 73  | 175                   | 131 | 105 | 88  | 75  | 66  | 167                   | 125 | 100 | 83  | 72  | 63  | 146                   | 110 | 88  | 73  | 63  | 55  |
| 8,5                      | 227                   | 170  | 136 | 114 | 97  | 85  | 204                   | 153 | 123 | 102 | 88  | 77  | 195                   | 146 | 117 | 97  | 83  | 73  | 170                   | 128 | 102 | 85  | 73  | 64  |
| 9                        | 262                   | 196  | 157 | 131 | 112 | 98  | 236                   | 177 | 141 | 118 | 101 | 88  | 224                   | 168 | 135 | 112 | 96  | 84  | 196                   | 147 | 118 | 98  | 84  | 74  |
| 9,5                      | 297                   | 223  | 178 | 149 | 127 | 111 | 267                   | 201 | 160 | 134 | 115 | 100 | 255                   | 191 | 153 | 127 | 109 | 95  | 223                   | 167 | 134 | 111 | 95  | 84  |
| 10                       | 337                   | 253  | 202 | 168 | 144 | 126 | 303                   | 227 | 182 | 152 | 130 | 114 | 289                   | 217 | 173 | 144 | 124 | 108 | 253                   | 190 | 152 | 126 | 108 | 95  |
| 10,5                     | 380                   | 285  | 228 | 190 | 163 | 142 | 342                   | 256 | 205 | 171 | 146 | 128 | 326                   | 244 | 195 | 163 | 140 | 122 | 285                   | 214 | 171 | 142 | 122 | 107 |
| 11                       | 417                   | 313  | 250 | 209 | 179 | 156 | 375                   | 281 | 225 | 188 | 161 | 141 | 357                   | 268 | 214 | 179 | 153 | 134 | 313                   | 235 | 188 | 156 | 134 | 117 |
| 11,5                     | 476                   | 357  | 286 | 238 | 204 | 179 | 429                   | 321 | 257 | 214 | 184 | 161 | 408                   | 306 | 245 | 204 | 175 | 153 | 357                   | 268 | 214 | 179 | 153 | 134 |
| 12                       | 514                   | 385  | 308 | 257 | 220 | 193 | 462                   | 347 | 277 | 231 | 198 | 173 | 440                   | 330 | 264 | 220 | 189 | 165 | 385                   | 289 | 231 | 193 | 165 | 144 |
| 12,5                     | 584                   | 438  | 351 | 292 | 250 | 219 | 526                   | 394 | 315 | 263 | 225 | 197 | 501                   | 376 | 300 | 250 | 215 | 188 | 438                   | 329 | 263 | 219 | 188 | 164 |
| 13                       | 637                   | 478  | 382 | 319 | 273 | 239 | 574                   | 430 | 344 | 287 | 246 | 215 | 546                   | 410 | 328 | 273 | 234 | 205 | 478                   | 359 | 287 | 239 | 205 | 179 |
| 13,5                     | 712                   | 534  | 427 | 356 | 305 | 267 | 641                   | 481 | 385 | 321 | 275 | 240 | 611                   | 458 | 366 | 305 | 262 | 229 | 534                   | 401 | 321 | 267 | 229 | 200 |
| 14                       | 777                   | 583  | 466 | 389 | 333 | 292 | 700                   | 525 | 420 | 350 | 300 | 262 | 666                   | 500 | 400 | 333 | 286 | 250 | 583                   | 437 | 350 | 292 | 250 | 219 |
| 14,5                     | 851                   | 638  | 510 | 425 | 365 | 319 | 766                   | 574 | 459 | 383 | 328 | 287 | 729                   | 547 | 438 | 365 | 313 | 273 | 638                   | 479 | 383 | 319 | 273 | 239 |
| 15                       | 938                   | 704  | 563 | 469 | 402 | 352 | 844                   | 633 | 507 | 422 | 362 | 317 | 804                   | 603 | 482 | 402 | 345 | 302 | 704                   | 528 | 422 | 352 | 302 | 264 |
| 15,5                     | 1023                  | 768  | 614 | 512 | 439 | 384 | 921                   | 691 | 553 | 461 | 395 | 345 | 877                   | 658 | 526 | 439 | 376 | 329 | 768                   | 576 | 461 | 384 | 329 | 288 |
| 16                       | 1114                  | 836  | 668 | 557 | 477 | 418 | 1003                  | 752 | 602 | 501 | 430 | 376 | 955                   | 716 | 573 | 477 | 409 | 358 | 836                   | 627 | 501 | 418 | 358 | 313 |
| 16,5                     | 1189                  | 891  | 713 | 594 | 509 | 446 | 1070                  | 802 | 642 | 535 | 458 | 401 | 1019                  | 764 | 611 | 509 | 437 | 382 | 891                   | 669 | 535 | 446 | 382 | 334 |
| 17                       | 1305                  | 978  | 783 | 652 | 559 | 489 | 1174                  | 881 | 704 | 587 | 503 | 440 | 1118                  | 839 | 671 | 559 | 479 | 419 | 978                   | 734 | 587 | 489 | 419 | 367 |
| 17,5                     | 1407                  | 1056 | 844 | 704 | 603 | 528 | 1267                  | 950 | 760 | 633 | 543 | 475 | 1206                  | 905 | 724 | 603 | 517 | 452 | 1056                  | 792 | 633 | 528 | 452 | 396 |
| 18                       | 1443                  | 1082 | 866 | 722 | 618 | 541 | 1299                  | 974 | 779 | 649 | 557 | 487 | 1237                  | 928 | 742 | 618 | 530 | 464 | 1082                  | 812 | 649 | 541 | 464 | 406 |
| 18,5                     | 1459                  | 1095 | 876 | 730 | 625 | 547 | 1314                  | 985 | 788 | 657 | 563 | 493 | 1251                  | 938 | 751 | 625 | 536 | 469 | 1095                  | 821 | 657 | 547 | 469 | 410 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**N 27,5 Salmag**

**Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.**

Formuła nawozu: N(CaMg) 27,5-(3,5-4)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 95%  
Gęstość nasypowa: 1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     | 32 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1,4           |     |     |     |     |     | ŁD II - 2             |     |     |     |     |     | ŁD II - 2,3           |     |     |     |     |     | ŁD II - 2,3           |     |     |     |     |     |
|                          | ŁK II - 2,4           |     |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     | ŁK II - 4             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 28                    | 21  | 17  | 14  | 12  | 11  | 27                    | 21  | 16  | 14  | 12  | 10  | 26                    | 19  | 15  | 13  | 11  | 10  | 24                    | 18  | 14  | 12  | 10  | 9   |
| 4,5                      | 36                    | 27  | 21  | 18  | 15  | 13  | 34                    | 26  | 21  | 17  | 15  | 13  | 32                    | 24  | 19  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  |
| 5                        | 44                    | 33  | 26  | 22  | 19  | 16  | 42                    | 31  | 25  | 21  | 18  | 16  | 39                    | 29  | 24  | 20  | 17  | 15  | 37                    | 28  | 22  | 18  | 16  | 14  |
| 5,5                      | 54                    | 41  | 33  | 27  | 23  | 20  | 52                    | 39  | 31  | 26  | 22  | 20  | 49                    | 37  | 29  | 24  | 21  | 18  | 46                    | 34  | 27  | 23  | 20  | 17  |
| 6                        | 64                    | 48  | 38  | 32  | 27  | 24  | 62                    | 46  | 37  | 31  | 26  | 23  | 58                    | 43  | 35  | 29  | 25  | 22  | 54                    | 41  | 32  | 27  | 23  | 20  |
| 6,5                      | 76                    | 57  | 46  | 38  | 33  | 29  | 73                    | 55  | 44  | 37  | 31  | 27  | 68                    | 51  | 41  | 34  | 29  | 26  | 64                    | 48  | 38  | 32  | 27  | 24  |
| 7                        | 90                    | 68  | 54  | 45  | 39  | 34  | 87                    | 65  | 52  | 43  | 37  | 33  | 81                    | 61  | 49  | 41  | 35  | 30  | 76                    | 57  | 46  | 38  | 33  | 29  |
| 7,5                      | 109                   | 82  | 65  | 54  | 47  | 41  | 105                   | 79  | 63  | 53  | 45  | 39  | 98                    | 74  | 59  | 49  | 42  | 37  | 92                    | 69  | 55  | 46  | 39  | 34  |
| 8                        | 130                   | 97  | 78  | 65  | 56  | 49  | 125                   | 94  | 75  | 63  | 54  | 47  | 117                   | 88  | 70  | 58  | 50  | 44  | 110                   | 82  | 66  | 55  | 47  | 41  |
| 8,5                      | 151                   | 114 | 91  | 76  | 65  | 57  | 146                   | 110 | 88  | 73  | 63  | 55  | 136                   | 102 | 82  | 68  | 58  | 51  | 128                   | 96  | 77  | 64  | 55  | 48  |
| 9                        | 174                   | 131 | 105 | 87  | 75  | 65  | 168                   | 126 | 101 | 84  | 72  | 63  | 157                   | 118 | 94  | 79  | 67  | 59  | 147                   | 110 | 88  | 74  | 63  | 55  |
| 9,5                      | 198                   | 149 | 119 | 99  | 85  | 74  | 191                   | 143 | 115 | 95  | 82  | 72  | 178                   | 134 | 107 | 89  | 76  | 67  | 167                   | 125 | 100 | 84  | 72  | 63  |
| 10                       | 225                   | 168 | 135 | 112 | 96  | 84  | 217                   | 162 | 130 | 108 | 93  | 81  | 202                   | 152 | 121 | 101 | 87  | 76  | 190                   | 142 | 114 | 95  | 81  | 71  |
| 10,5                     | 253                   | 190 | 152 | 127 | 109 | 95  | 244                   | 183 | 146 | 122 | 105 | 92  | 228                   | 171 | 137 | 114 | 98  | 85  | 214                   | 160 | 128 | 107 | 92  | 80  |
| 11                       | 278                   | 209 | 167 | 139 | 119 | 104 | 268                   | 201 | 161 | 134 | 115 | 101 | 250                   | 188 | 150 | 125 | 107 | 94  | 235                   | 176 | 141 | 117 | 101 | 88  |
| 11,5                     | 317                   | 238 | 190 | 159 | 136 | 119 | 306                   | 230 | 184 | 153 | 131 | 115 | 286                   | 214 | 171 | 143 | 122 | 107 | 268                   | 201 | 161 | 134 | 115 | 100 |
| 12                       | 342                   | 257 | 205 | 171 | 147 | 128 | 330                   | 248 | 198 | 165 | 141 | 124 | 308                   | 231 | 185 | 154 | 132 | 116 | 289                   | 217 | 173 | 144 | 124 | 108 |
| 12,5                     | 389                   | 292 | 234 | 195 | 167 | 146 | 376                   | 282 | 225 | 188 | 161 | 141 | 351                   | 263 | 210 | 175 | 150 | 131 | 329                   | 246 | 197 | 164 | 141 | 123 |
| 13                       | 425                   | 319 | 255 | 212 | 182 | 159 | 410                   | 307 | 246 | 205 | 176 | 154 | 382                   | 287 | 229 | 191 | 164 | 143 | 359                   | 269 | 215 | 179 | 154 | 134 |
| 13,5                     | 475                   | 356 | 285 | 237 | 204 | 178 | 458                   | 343 | 275 | 229 | 196 | 172 | 427                   | 321 | 256 | 214 | 183 | 160 | 401                   | 300 | 240 | 200 | 172 | 150 |
| 14                       | 518                   | 389 | 311 | 259 | 222 | 194 | 500                   | 375 | 300 | 250 | 214 | 187 | 466                   | 350 | 280 | 233 | 200 | 175 | 437                   | 328 | 262 | 219 | 187 | 164 |
| 14,5                     | 567                   | 425 | 340 | 284 | 243 | 213 | 547                   | 410 | 328 | 273 | 234 | 205 | 510                   | 383 | 306 | 255 | 219 | 191 | 479                   | 359 | 287 | 239 | 205 | 179 |
| 15                       | 625                   | 469 | 375 | 313 | 268 | 235 | 603                   | 452 | 362 | 302 | 258 | 226 | 563                   | 422 | 338 | 281 | 241 | 211 | 528                   | 396 | 317 | 264 | 226 | 198 |
| 15,5                     | 682                   | 512 | 409 | 341 | 292 | 256 | 658                   | 493 | 395 | 329 | 282 | 247 | 614                   | 461 | 368 | 307 | 263 | 230 | 576                   | 432 | 345 | 288 | 247 | 216 |
| 16                       | 743                   | 557 | 446 | 371 | 318 | 279 | 716                   | 537 | 430 | 358 | 307 | 269 | 668                   | 501 | 401 | 334 | 286 | 251 | 627                   | 470 | 376 | 313 | 269 | 235 |
| 16,5                     | 792                   | 594 | 475 | 396 | 340 | 297 | 764                   | 573 | 458 | 382 | 327 | 287 | 713                   | 535 | 428 | 357 | 306 | 267 | 669                   | 501 | 401 | 334 | 287 | 251 |
| 17                       | 870                   | 652 | 522 | 435 | 373 | 326 | 839                   | 629 | 503 | 419 | 359 | 314 | 783                   | 587 | 470 | 391 | 335 | 294 | 734                   | 550 | 440 | 367 | 314 | 275 |
| 17,5                     | 938                   | 704 | 563 | 469 | 402 | 352 | 905                   | 679 | 543 | 452 | 388 | 339 | 844                   | 633 | 507 | 422 | 362 | 317 | 792                   | 594 | 475 | 396 | 339 | 297 |
| 18                       | 962                   | 722 | 577 | 481 | 412 | 361 | 928                   | 696 | 557 | 464 | 398 | 348 | 866                   | 649 | 519 | 433 | 371 | 325 | 812                   | 609 | 487 | 406 | 348 | 304 |
| 18,5                     | 973                   | 730 | 584 | 486 | 417 | 365 | 938                   | 704 | 563 | 469 | 402 | 352 | 876                   | 657 | 525 | 438 | 375 | 328 | 821                   | 616 | 493 | 410 | 352 | 308 |

ŁD I - Łopaska I długa  
 ŁD II - Łopaska II długa  
 ŁK I - Łopaska I krótka  
 ŁK II - Łopaska II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**N 27,5 Salmag**

**Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.**

Formuła nawozu: N(CaMg) 27,5-(3,5-4)  
Klasa ziarnowa: granulę 2-5 mm, nie mniej niż 95%  
Gęstość nasypowa: 1,0 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy | Wysiew graniczny |                        |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 1,4                  | ŁK I - 4    | 540 obr/min | 25             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 15                | ŁD I - 2                    | ŁK I - 4    | 540 obr/min | 35             | 70                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 16                | ŁD I - 2,1                  | ŁK I - 4    | 540 obr/min | 35             | 70                 | 80               | -1                     | -25%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 18                | ŁD I - 2,2                  | ŁK I - 4    | 540 obr/min | 40             | 50                 | 70               | -1                     | -25%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
|                   | ŁD II - 1                   | ŁK II - 1,4 | 540 obr/min | 30             | 70                 | 90               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
| 20                | ŁD I - 2,3                  | ŁK I - 3,3  | 540 obr/min | 45             | 50                 | 70               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
|                   | ŁD II - 1,2                 | ŁK II - 1,4 | 540 obr/min | 30             | 70                 | 90               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
| 21                | ŁD I - 2,4                  | ŁK I - 3,3  | 540 obr/min | 40             | 20                 | 70               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
|                   | ŁD II - 1,2                 | ŁK II - 2   | 540 obr/min | 30             | 50                 | 80               | 0                      | 0%                       | 100                 | -1                     | -25%                     | -                |
| 24                | ŁD I - 3                    | ŁK I - 4    | 540 obr/min | 40             | 20                 | 70               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
|                   | ŁD II - 1,4                 | ŁK II - 2   | 540 obr/min | 35             | 40                 | 70               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
| 27                | ŁD II - 1,4                 | ŁK II - 2,4 | 540 obr/min | 35             | 40                 | 70               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
| 28                | ŁD II - 2                   | ŁK II - 3,2 | 540 obr/min | 40             | 40                 | 70               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
| 30                | ŁD II - 2,3                 | ŁK II - 3,2 | 540 obr/min | 40             | 30                 | 70               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
| 32                | ŁD II - 2,3                 | ŁK II - 4   | 540 obr/min | 45             | 30                 | 60               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |

ŁD I - Łopátka I długa  
ŁD II - Łopátka II długa  
ŁK I - Łopátka I krótka  
ŁK II - Łopátka II krótka





# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**N 27,5 Salmag z siarką**

**Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.**

Formuła nawozu: N(CaS) 27,5-(6,5-4,5)  
 Klasa ziarnowa: granule 2-5 mm, nie mniej niż 95%  
 Gęstość nasypowa: 1,1 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |     |     | 15 m                  |      |      |     |     |     | 16 m                  |      |     |     |     |     | 18 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|------|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 1,4            |      |      |      |     |     | ŁD I - 2              |      |      |     |     |     | ŁD I - 2,1            |      |     |     |     |     | ŁD I - 2,2            |      |     |     |     |     |
|                          | ŁK I - 4              |      |      |      |     |     | ŁK I - 4              |      |      |     |     |     | ŁK I - 4              |      |     |     |     |     | ŁK I - 4              |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |     |     |                       |      |      |     |     |     |                       |      |     |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 64                    | 48   | 38   | 32   | 27  | 24  | 51                    | 38   | 31   | 26  | 22  | 19  | 48                    | 36   | 29  | 24  | 21  | 18  | 43                    | 32   | 26  | 21  | 18  | 16  |
| 4,5                      | 80                    | 60   | 48   | 40   | 34  | 30  | 64                    | 48   | 39   | 32  | 28  | 24  | 60                    | 45   | 36  | 30  | 26  | 23  | 54                    | 40   | 32  | 27  | 23  | 20  |
| 5                        | 98                    | 73   | 59   | 49   | 42  | 37  | 78                    | 59   | 47   | 39  | 34  | 29  | 73                    | 55   | 44  | 37  | 31  | 28  | 65                    | 49   | 39  | 33  | 28  | 24  |
| 5,5                      | 122                   | 92   | 73   | 61   | 52  | 46  | 98                    | 73   | 59   | 49  | 42  | 37  | 92                    | 69   | 55  | 46  | 39  | 34  | 81                    | 61   | 49  | 41  | 35  | 31  |
| 6                        | 144                   | 108  | 86   | 72   | 62  | 54  | 115                   | 86   | 69   | 58  | 49  | 43  | 108                   | 81   | 65  | 54  | 46  | 41  | 96                    | 72   | 58  | 48  | 41  | 36  |
| 6,5                      | 171                   | 128  | 103  | 86   | 73  | 64  | 137                   | 103  | 82   | 68  | 59  | 51  | 128                   | 96   | 77  | 64  | 55  | 48  | 114                   | 86   | 68  | 57  | 49  | 43  |
| 7                        | 203                   | 152  | 122  | 101  | 87  | 76  | 162                   | 122  | 97   | 81  | 70  | 61  | 152                   | 114  | 91  | 76  | 65  | 57  | 135                   | 101  | 81  | 68  | 58  | 51  |
| 7,5                      | 245                   | 184  | 147  | 123  | 105 | 92  | 196                   | 147  | 118  | 98  | 84  | 74  | 184                   | 138  | 110 | 92  | 79  | 69  | 163                   | 123  | 98  | 82  | 70  | 61  |
| 8                        | 292                   | 219  | 175  | 146  | 125 | 110 | 234                   | 175  | 140  | 117 | 100 | 88  | 219                   | 164  | 131 | 110 | 94  | 82  | 195                   | 146  | 117 | 97  | 83  | 73  |
| 8,5                      | 341                   | 256  | 204  | 170  | 146 | 128 | 273                   | 204  | 164  | 136 | 117 | 102 | 256                   | 192  | 153 | 128 | 110 | 96  | 227                   | 170  | 136 | 114 | 97  | 85  |
| 9                        | 393                   | 294  | 236  | 196  | 168 | 147 | 314                   | 236  | 188  | 157 | 135 | 118 | 294                   | 221  | 177 | 147 | 126 | 110 | 262                   | 196  | 157 | 131 | 112 | 98  |
| 9,5                      | 446                   | 334  | 267  | 223  | 191 | 167 | 356                   | 267  | 214  | 178 | 153 | 134 | 334                   | 251  | 201 | 167 | 143 | 125 | 297                   | 223  | 178 | 149 | 127 | 111 |
| 10                       | 505                   | 379  | 303  | 253  | 217 | 190 | 404                   | 303  | 243  | 202 | 173 | 152 | 379                   | 284  | 227 | 190 | 162 | 142 | 337                   | 253  | 202 | 168 | 144 | 126 |
| 10,5                     | 570                   | 427  | 342  | 285  | 244 | 214 | 456                   | 342  | 273  | 228 | 195 | 171 | 427                   | 320  | 256 | 214 | 183 | 160 | 380                   | 285  | 228 | 190 | 163 | 142 |
| 11                       | 626                   | 469  | 375  | 313  | 268 | 235 | 500                   | 375  | 300  | 250 | 214 | 188 | 469                   | 352  | 281 | 235 | 201 | 176 | 417                   | 313  | 250 | 209 | 179 | 156 |
| 11,5                     | 714                   | 536  | 429  | 357  | 306 | 268 | 571                   | 429  | 343  | 286 | 245 | 214 | 536                   | 402  | 321 | 268 | 230 | 201 | 476                   | 357  | 286 | 238 | 204 | 179 |
| 12                       | 770                   | 578  | 462  | 385  | 330 | 289 | 616                   | 462  | 370  | 308 | 264 | 231 | 578                   | 433  | 347 | 289 | 248 | 217 | 514                   | 385  | 308 | 257 | 220 | 193 |
| 12,5                     | 876                   | 657  | 526  | 438  | 376 | 329 | 701                   | 526  | 421  | 351 | 300 | 263 | 657                   | 493  | 394 | 329 | 282 | 246 | 584                   | 438  | 351 | 292 | 250 | 219 |
| 13                       | 956                   | 717  | 574  | 478  | 410 | 359 | 765                   | 574  | 459  | 382 | 328 | 287 | 717                   | 538  | 430 | 359 | 307 | 269 | 637                   | 478  | 382 | 319 | 273 | 239 |
| 13,5                     | 1068                  | 801  | 641  | 534  | 458 | 401 | 855                   | 641  | 513  | 427 | 366 | 321 | 801                   | 601  | 481 | 401 | 343 | 300 | 712                   | 534  | 427 | 356 | 305 | 267 |
| 14                       | 1166                  | 875  | 700  | 583  | 500 | 437 | 933                   | 700  | 560  | 466 | 400 | 350 | 875                   | 656  | 525 | 437 | 375 | 328 | 777                   | 583  | 466 | 389 | 333 | 292 |
| 14,5                     | 1276                  | 957  | 766  | 638  | 547 | 479 | 1021                  | 766  | 613  | 510 | 438 | 383 | 957                   | 718  | 574 | 479 | 410 | 359 | 851                   | 638  | 510 | 425 | 365 | 319 |
| 15                       | 1407                  | 1055 | 844  | 704  | 603 | 528 | 1126                  | 844  | 675  | 563 | 482 | 422 | 1055                  | 791  | 633 | 528 | 452 | 396 | 938                   | 704  | 563 | 469 | 402 | 352 |
| 15,5                     | 1535                  | 1151 | 921  | 768  | 658 | 576 | 1228                  | 921  | 737  | 614 | 526 | 461 | 1151                  | 864  | 691 | 576 | 493 | 432 | 1023                  | 768  | 614 | 512 | 439 | 384 |
| 16                       | 1671                  | 1253 | 1003 | 836  | 716 | 627 | 1337                  | 1003 | 802  | 668 | 573 | 501 | 1253                  | 940  | 752 | 627 | 537 | 470 | 1114                  | 836  | 668 | 557 | 477 | 418 |
| 16,5                     | 1783                  | 1337 | 1070 | 891  | 764 | 669 | 1426                  | 1070 | 856  | 713 | 611 | 535 | 1337                  | 1003 | 802 | 669 | 573 | 501 | 1189                  | 891  | 713 | 594 | 509 | 446 |
| 17                       | 1957                  | 1468 | 1174 | 978  | 839 | 734 | 1565                  | 1174 | 939  | 783 | 671 | 587 | 1468                  | 1101 | 881 | 734 | 629 | 550 | 1305                  | 978  | 783 | 652 | 559 | 489 |
| 17,5                     | 2111                  | 1583 | 1267 | 1056 | 905 | 792 | 1689                  | 1267 | 1013 | 844 | 724 | 633 | 1583                  | 1188 | 950 | 792 | 679 | 594 | 1407                  | 1056 | 844 | 704 | 603 | 528 |
| 18                       | 2165                  | 1623 | 1299 | 1082 | 928 | 812 | 1732                  | 1299 | 1039 | 866 | 742 | 649 | 1623                  | 1218 | 974 | 812 | 696 | 609 | 1443                  | 1082 | 866 | 722 | 618 | 541 |
| 18,5                     | 2189                  | 1642 | 1314 | 1095 | 938 | 821 | 1751                  | 1314 | 1051 | 876 | 751 | 657 | 1642                  | 1231 | 985 | 821 | 704 | 616 | 1459                  | 1095 | 876 | 730 | 625 | 547 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka





# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



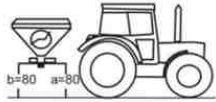
**N 27,5 Salmag z siarką**

**Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.**

Formuła nawozu: N(CaS) 27,5-(6,5-4,5)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 95%  
Gęstość nasypowa: 1,1 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 2,3            |     |     |     |     |     | ŁD I - 2,4            |     |     |     |     |     | ŁD I - 3              |     |     |     |     |     |
|                          | ŁK I - 3,3            |     |     |     |     |     | ŁK I - 3,3            |     |     |     |     |     | ŁK I - 4              |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 38                    | 29  | 23  | 19  | 16  | 14  | 36                    | 27  | 22  | 18  | 16  | 14  | 32                    | 24  | 19  | 16  | 14  | 12  |
| 4,5                      | 48                    | 36  | 29  | 24  | 21  | 18  | 46                    | 34  | 28  | 23  | 20  | 17  | 40                    | 30  | 24  | 20  | 17  | 15  |
| 5                        | 59                    | 44  | 35  | 29  | 25  | 22  | 56                    | 42  | 34  | 28  | 24  | 21  | 49                    | 37  | 29  | 24  | 21  | 18  |
| 5,5                      | 73                    | 55  | 44  | 37  | 31  | 27  | 70                    | 52  | 42  | 35  | 30  | 26  | 61                    | 46  | 37  | 31  | 26  | 23  |
| 6                        | 86                    | 65  | 52  | 43  | 37  | 32  | 82                    | 62  | 49  | 41  | 35  | 31  | 72                    | 54  | 43  | 36  | 31  | 27  |
| 6,5                      | 103                   | 77  | 62  | 51  | 44  | 38  | 98                    | 73  | 59  | 49  | 42  | 37  | 86                    | 64  | 51  | 43  | 37  | 32  |
| 7                        | 122                   | 91  | 73  | 61  | 52  | 46  | 116                   | 87  | 70  | 58  | 50  | 43  | 101                   | 76  | 61  | 51  | 43  | 38  |
| 7,5                      | 147                   | 110 | 88  | 74  | 63  | 55  | 140                   | 105 | 84  | 70  | 60  | 53  | 123                   | 92  | 74  | 61  | 53  | 46  |
| 8                        | 175                   | 131 | 105 | 88  | 75  | 66  | 167                   | 125 | 100 | 83  | 72  | 63  | 146                   | 110 | 88  | 73  | 63  | 55  |
| 8,5                      | 204                   | 153 | 123 | 102 | 88  | 77  | 195                   | 146 | 117 | 97  | 83  | 73  | 170                   | 128 | 102 | 85  | 73  | 64  |
| 9                        | 236                   | 177 | 141 | 118 | 101 | 88  | 224                   | 168 | 135 | 112 | 96  | 84  | 196                   | 147 | 118 | 98  | 84  | 74  |
| 9,5                      | 267                   | 201 | 160 | 134 | 115 | 100 | 255                   | 191 | 153 | 127 | 109 | 95  | 223                   | 167 | 134 | 111 | 95  | 84  |
| 10                       | 303                   | 227 | 182 | 152 | 130 | 114 | 289                   | 217 | 173 | 144 | 124 | 108 | 253                   | 190 | 152 | 126 | 108 | 95  |
| 10,5                     | 342                   | 256 | 205 | 171 | 146 | 128 | 326                   | 244 | 195 | 163 | 140 | 122 | 285                   | 214 | 171 | 142 | 122 | 107 |
| 11                       | 375                   | 281 | 225 | 188 | 161 | 141 | 357                   | 268 | 214 | 179 | 153 | 134 | 313                   | 235 | 188 | 156 | 134 | 117 |
| 11,5                     | 429                   | 321 | 257 | 214 | 184 | 161 | 408                   | 306 | 245 | 204 | 175 | 153 | 357                   | 268 | 214 | 179 | 153 | 134 |
| 12                       | 462                   | 347 | 277 | 231 | 198 | 173 | 440                   | 330 | 264 | 220 | 189 | 165 | 385                   | 289 | 231 | 193 | 165 | 144 |
| 12,5                     | 526                   | 394 | 315 | 263 | 225 | 197 | 501                   | 376 | 300 | 250 | 215 | 188 | 438                   | 329 | 263 | 219 | 188 | 164 |
| 13                       | 574                   | 430 | 344 | 287 | 246 | 215 | 546                   | 410 | 328 | 273 | 234 | 205 | 478                   | 359 | 287 | 239 | 205 | 179 |
| 13,5                     | 641                   | 481 | 385 | 321 | 275 | 240 | 611                   | 458 | 366 | 305 | 262 | 229 | 534                   | 401 | 321 | 267 | 229 | 200 |
| 14                       | 700                   | 525 | 420 | 350 | 300 | 262 | 666                   | 500 | 400 | 333 | 286 | 250 | 583                   | 437 | 350 | 292 | 250 | 219 |
| 14,5                     | 766                   | 574 | 459 | 383 | 328 | 287 | 729                   | 547 | 438 | 365 | 313 | 273 | 638                   | 479 | 383 | 319 | 273 | 239 |
| 15                       | 844                   | 633 | 507 | 422 | 362 | 317 | 804                   | 603 | 482 | 402 | 345 | 302 | 704                   | 528 | 422 | 352 | 302 | 264 |
| 15,5                     | 921                   | 691 | 553 | 461 | 395 | 345 | 877                   | 658 | 526 | 439 | 376 | 329 | 768                   | 576 | 461 | 384 | 329 | 288 |
| 16                       | 1003                  | 752 | 602 | 501 | 430 | 376 | 955                   | 716 | 573 | 477 | 409 | 358 | 836                   | 627 | 501 | 418 | 358 | 313 |
| 16,5                     | 1070                  | 802 | 642 | 535 | 458 | 401 | 1019                  | 764 | 611 | 509 | 437 | 382 | 891                   | 669 | 535 | 446 | 382 | 334 |
| 17                       | 1174                  | 881 | 704 | 587 | 503 | 440 | 1118                  | 839 | 671 | 559 | 479 | 419 | 978                   | 734 | 587 | 489 | 419 | 367 |
| 17,5                     | 1267                  | 950 | 760 | 633 | 543 | 475 | 1206                  | 905 | 724 | 603 | 517 | 452 | 1056                  | 792 | 633 | 528 | 452 | 396 |
| 18                       | 1299                  | 974 | 779 | 649 | 557 | 487 | 1237                  | 928 | 742 | 618 | 530 | 464 | 1082                  | 812 | 649 | 541 | 464 | 406 |
| 18,5                     | 1314                  | 985 | 788 | 657 | 563 | 493 | 1251                  | 938 | 751 | 625 | 536 | 469 | 1095                  | 821 | 657 | 547 | 469 | 410 |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



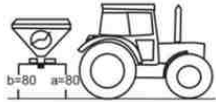
**N 27,5 Salmag z siarką**

**Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.**

Formuła nawozu: N(CaS) 27,5-(6,5-4,5)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 95%  
Gęstość nasypowa: 1,1 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |     |     |     |     | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1             |      |     |     |     |     | ŁD II - 1,2           |     |     |     |     |     | ŁD II - 1,2           |     |     |     |     |     | ŁD II - 1,4           |     |     |     |     |     |
|                          | ŁK II - 1,4           |      |     |     |     |     | ŁK II - 1,4           |     |     |     |     |     | ŁK II - 2             |     |     |     |     |     | ŁK II - 2             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 43                    | 32   | 26  | 21  | 18  | 16  | 38                    | 29  | 23  | 19  | 16  | 14  | 36                    | 27  | 22  | 18  | 16  | 14  | 32                    | 24  | 19  | 16  | 14  | 12  |
| 4,5                      | 54                    | 40   | 32  | 27  | 23  | 20  | 48                    | 36  | 29  | 24  | 21  | 18  | 46                    | 34  | 28  | 23  | 20  | 17  | 40                    | 30  | 24  | 20  | 17  | 15  |
| 5                        | 65                    | 49   | 39  | 33  | 28  | 24  | 59                    | 44  | 35  | 29  | 25  | 22  | 56                    | 42  | 34  | 28  | 24  | 21  | 49                    | 37  | 29  | 24  | 21  | 18  |
| 5,5                      | 81                    | 61   | 49  | 41  | 35  | 31  | 73                    | 55  | 44  | 37  | 31  | 27  | 70                    | 52  | 42  | 35  | 30  | 26  | 61                    | 46  | 37  | 31  | 26  | 23  |
| 6                        | 96                    | 72   | 58  | 48  | 41  | 36  | 86                    | 65  | 52  | 43  | 37  | 32  | 82                    | 62  | 49  | 41  | 35  | 31  | 72                    | 54  | 43  | 36  | 31  | 27  |
| 6,5                      | 114                   | 86   | 68  | 57  | 49  | 43  | 103                   | 77  | 62  | 51  | 44  | 38  | 98                    | 73  | 59  | 49  | 42  | 37  | 86                    | 64  | 51  | 43  | 37  | 32  |
| 7                        | 135                   | 101  | 81  | 68  | 58  | 51  | 122                   | 91  | 73  | 61  | 52  | 46  | 116                   | 87  | 70  | 58  | 50  | 43  | 101                   | 76  | 61  | 51  | 43  | 38  |
| 7,5                      | 163                   | 123  | 98  | 82  | 70  | 61  | 147                   | 110 | 88  | 74  | 63  | 55  | 140                   | 105 | 84  | 70  | 60  | 53  | 123                   | 92  | 74  | 61  | 53  | 46  |
| 8                        | 195                   | 146  | 117 | 97  | 83  | 73  | 175                   | 131 | 105 | 88  | 75  | 66  | 167                   | 125 | 100 | 83  | 72  | 63  | 146                   | 110 | 88  | 73  | 63  | 55  |
| 8,5                      | 227                   | 170  | 136 | 114 | 97  | 85  | 204                   | 153 | 123 | 102 | 88  | 77  | 195                   | 146 | 117 | 97  | 83  | 73  | 170                   | 128 | 102 | 85  | 73  | 64  |
| 9                        | 262                   | 196  | 157 | 131 | 112 | 98  | 236                   | 177 | 141 | 118 | 101 | 88  | 224                   | 168 | 135 | 112 | 96  | 84  | 196                   | 147 | 118 | 98  | 84  | 74  |
| 9,5                      | 297                   | 223  | 178 | 149 | 127 | 111 | 267                   | 201 | 160 | 134 | 115 | 100 | 255                   | 191 | 153 | 127 | 109 | 95  | 223                   | 167 | 134 | 111 | 95  | 84  |
| 10                       | 337                   | 253  | 202 | 168 | 144 | 126 | 303                   | 227 | 182 | 152 | 130 | 114 | 289                   | 217 | 173 | 144 | 124 | 108 | 253                   | 190 | 152 | 126 | 108 | 95  |
| 10,5                     | 380                   | 285  | 228 | 190 | 163 | 142 | 342                   | 256 | 205 | 171 | 146 | 128 | 326                   | 244 | 195 | 163 | 140 | 122 | 285                   | 214 | 171 | 142 | 122 | 107 |
| 11                       | 417                   | 313  | 250 | 209 | 179 | 156 | 375                   | 281 | 225 | 188 | 161 | 141 | 357                   | 268 | 214 | 179 | 153 | 134 | 313                   | 235 | 188 | 156 | 134 | 117 |
| 11,5                     | 476                   | 357  | 286 | 238 | 204 | 179 | 429                   | 321 | 257 | 214 | 184 | 161 | 408                   | 306 | 245 | 204 | 175 | 153 | 357                   | 268 | 214 | 179 | 153 | 134 |
| 12                       | 514                   | 385  | 308 | 257 | 220 | 193 | 462                   | 347 | 277 | 231 | 198 | 173 | 440                   | 330 | 264 | 220 | 189 | 165 | 385                   | 289 | 231 | 193 | 165 | 144 |
| 12,5                     | 584                   | 438  | 351 | 292 | 250 | 219 | 526                   | 394 | 315 | 263 | 225 | 197 | 501                   | 376 | 300 | 250 | 215 | 188 | 438                   | 329 | 263 | 219 | 188 | 164 |
| 13                       | 637                   | 478  | 382 | 319 | 273 | 239 | 574                   | 430 | 344 | 287 | 246 | 215 | 546                   | 410 | 328 | 273 | 234 | 205 | 478                   | 359 | 287 | 239 | 205 | 179 |
| 13,5                     | 712                   | 534  | 427 | 356 | 305 | 267 | 641                   | 481 | 385 | 321 | 275 | 240 | 611                   | 458 | 366 | 305 | 262 | 229 | 534                   | 401 | 321 | 267 | 229 | 200 |
| 14                       | 777                   | 583  | 466 | 389 | 333 | 292 | 700                   | 525 | 420 | 350 | 300 | 262 | 666                   | 500 | 400 | 333 | 286 | 250 | 583                   | 437 | 350 | 292 | 250 | 219 |
| 14,5                     | 851                   | 638  | 510 | 425 | 365 | 319 | 766                   | 574 | 459 | 383 | 328 | 287 | 729                   | 547 | 438 | 365 | 313 | 273 | 638                   | 479 | 383 | 319 | 273 | 239 |
| 15                       | 938                   | 704  | 563 | 469 | 402 | 352 | 844                   | 633 | 507 | 422 | 362 | 317 | 804                   | 603 | 482 | 402 | 345 | 302 | 704                   | 528 | 422 | 352 | 302 | 264 |
| 15,5                     | 1023                  | 768  | 614 | 512 | 439 | 384 | 921                   | 691 | 553 | 461 | 395 | 345 | 877                   | 658 | 526 | 439 | 376 | 329 | 768                   | 576 | 461 | 384 | 329 | 288 |
| 16                       | 1114                  | 836  | 668 | 557 | 477 | 418 | 1003                  | 752 | 602 | 501 | 430 | 376 | 955                   | 716 | 573 | 477 | 409 | 358 | 836                   | 627 | 501 | 418 | 358 | 313 |
| 16,5                     | 1189                  | 891  | 713 | 594 | 509 | 446 | 1070                  | 802 | 642 | 535 | 458 | 401 | 1019                  | 764 | 611 | 509 | 437 | 382 | 891                   | 669 | 535 | 446 | 382 | 334 |
| 17                       | 1305                  | 978  | 783 | 652 | 559 | 489 | 1174                  | 881 | 704 | 587 | 503 | 440 | 1118                  | 839 | 671 | 559 | 479 | 419 | 978                   | 734 | 587 | 489 | 419 | 367 |
| 17,5                     | 1407                  | 1056 | 844 | 704 | 603 | 528 | 1267                  | 950 | 760 | 633 | 543 | 475 | 1206                  | 905 | 724 | 603 | 517 | 452 | 1056                  | 792 | 633 | 528 | 452 | 396 |
| 18                       | 1443                  | 1082 | 866 | 722 | 618 | 541 | 1299                  | 974 | 779 | 649 | 557 | 487 | 1237                  | 928 | 742 | 618 | 530 | 464 | 1082                  | 812 | 649 | 541 | 464 | 406 |
| 18,5                     | 1459                  | 1095 | 876 | 730 | 625 | 547 | 1314                  | 985 | 788 | 657 | 563 | 493 | 1251                  | 938 | 751 | 625 | 536 | 469 | 1095                  | 821 | 657 | 547 | 469 | 410 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**N 27,5 Salmag z siarką**

**Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.**

Formuła nawozu: N(CaS) 27,5-(6,5-4,5)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 95%  
Gęstość nasypowa: 1,1 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     | 32 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1,4           |     |     |     |     |     | ŁD II - 2             |     |     |     |     |     | ŁD II - 2,3           |     |     |     |     |     | ŁD II - 2,3           |     |     |     |     |     |
|                          | ŁK II - 2,4           |     |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     | ŁK II - 4             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 28                    | 21  | 17  | 14  | 12  | 11  | 27                    | 21  | 16  | 14  | 12  | 10  | 26                    | 19  | 15  | 13  | 11  | 10  | 24                    | 18  | 14  | 12  | 10  | 9   |
| 4,5                      | 36                    | 27  | 21  | 18  | 15  | 13  | 34                    | 26  | 21  | 17  | 15  | 13  | 32                    | 24  | 19  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  |
| 5                        | 44                    | 33  | 26  | 22  | 19  | 16  | 42                    | 31  | 25  | 21  | 18  | 16  | 39                    | 29  | 24  | 20  | 17  | 15  | 37                    | 28  | 22  | 18  | 16  | 14  |
| 5,5                      | 54                    | 41  | 33  | 27  | 23  | 20  | 52                    | 39  | 31  | 26  | 22  | 20  | 49                    | 37  | 29  | 24  | 21  | 18  | 46                    | 34  | 27  | 23  | 20  | 17  |
| 6                        | 64                    | 48  | 38  | 32  | 27  | 24  | 62                    | 46  | 37  | 31  | 26  | 23  | 58                    | 43  | 35  | 29  | 25  | 22  | 54                    | 41  | 32  | 27  | 23  | 20  |
| 6,5                      | 76                    | 57  | 46  | 38  | 33  | 29  | 73                    | 55  | 44  | 37  | 31  | 27  | 68                    | 51  | 41  | 34  | 29  | 26  | 64                    | 48  | 38  | 32  | 27  | 24  |
| 7                        | 90                    | 68  | 54  | 45  | 39  | 34  | 87                    | 65  | 52  | 43  | 37  | 33  | 81                    | 61  | 49  | 41  | 35  | 30  | 76                    | 57  | 46  | 38  | 33  | 29  |
| 7,5                      | 109                   | 82  | 65  | 54  | 47  | 41  | 105                   | 79  | 63  | 53  | 45  | 39  | 98                    | 74  | 59  | 49  | 42  | 37  | 92                    | 69  | 55  | 46  | 39  | 34  |
| 8                        | 130                   | 97  | 78  | 65  | 56  | 49  | 125                   | 94  | 75  | 63  | 54  | 47  | 117                   | 88  | 70  | 58  | 50  | 44  | 110                   | 82  | 66  | 55  | 47  | 41  |
| 8,5                      | 151                   | 114 | 91  | 76  | 65  | 57  | 146                   | 110 | 88  | 73  | 63  | 55  | 136                   | 102 | 82  | 68  | 58  | 51  | 128                   | 96  | 77  | 64  | 55  | 48  |
| 9                        | 174                   | 131 | 105 | 87  | 75  | 65  | 168                   | 126 | 101 | 84  | 72  | 63  | 157                   | 118 | 94  | 79  | 67  | 59  | 147                   | 110 | 88  | 74  | 63  | 55  |
| 9,5                      | 198                   | 149 | 119 | 99  | 85  | 74  | 191                   | 143 | 115 | 95  | 82  | 72  | 178                   | 134 | 107 | 89  | 76  | 67  | 167                   | 125 | 100 | 84  | 72  | 63  |
| 10                       | 225                   | 168 | 135 | 112 | 96  | 84  | 217                   | 162 | 130 | 108 | 93  | 81  | 202                   | 152 | 121 | 101 | 87  | 76  | 190                   | 142 | 114 | 95  | 81  | 71  |
| 10,5                     | 253                   | 190 | 152 | 127 | 109 | 95  | 244                   | 183 | 146 | 122 | 105 | 92  | 228                   | 171 | 137 | 114 | 98  | 85  | 214                   | 160 | 128 | 107 | 92  | 80  |
| 11                       | 278                   | 209 | 167 | 139 | 119 | 104 | 268                   | 201 | 161 | 134 | 115 | 101 | 250                   | 188 | 150 | 125 | 107 | 94  | 235                   | 176 | 141 | 117 | 101 | 88  |
| 11,5                     | 317                   | 238 | 190 | 159 | 136 | 119 | 306                   | 230 | 184 | 153 | 131 | 115 | 286                   | 214 | 171 | 143 | 122 | 107 | 268                   | 201 | 161 | 134 | 115 | 100 |
| 12                       | 342                   | 257 | 205 | 171 | 147 | 128 | 330                   | 248 | 198 | 165 | 141 | 124 | 308                   | 231 | 185 | 154 | 132 | 116 | 289                   | 217 | 173 | 144 | 124 | 108 |
| 12,5                     | 389                   | 292 | 234 | 195 | 167 | 146 | 376                   | 282 | 225 | 188 | 161 | 141 | 351                   | 263 | 210 | 175 | 150 | 131 | 329                   | 246 | 197 | 164 | 141 | 123 |
| 13                       | 425                   | 319 | 255 | 212 | 182 | 159 | 410                   | 307 | 246 | 205 | 176 | 154 | 382                   | 287 | 229 | 191 | 164 | 143 | 359                   | 269 | 215 | 179 | 154 | 134 |
| 13,5                     | 475                   | 356 | 285 | 237 | 204 | 178 | 458                   | 343 | 275 | 229 | 196 | 172 | 427                   | 321 | 256 | 214 | 183 | 160 | 401                   | 300 | 240 | 200 | 172 | 150 |
| 14                       | 518                   | 389 | 311 | 259 | 222 | 194 | 500                   | 375 | 300 | 250 | 214 | 187 | 466                   | 350 | 280 | 233 | 200 | 175 | 437                   | 328 | 262 | 219 | 187 | 164 |
| 14,5                     | 567                   | 425 | 340 | 284 | 243 | 213 | 547                   | 410 | 328 | 273 | 234 | 205 | 510                   | 383 | 306 | 255 | 219 | 191 | 479                   | 359 | 287 | 239 | 205 | 179 |
| 15                       | 625                   | 469 | 375 | 313 | 268 | 235 | 603                   | 452 | 362 | 302 | 258 | 226 | 563                   | 422 | 338 | 281 | 241 | 211 | 528                   | 396 | 317 | 264 | 226 | 198 |
| 15,5                     | 682                   | 512 | 409 | 341 | 292 | 256 | 658                   | 493 | 395 | 329 | 282 | 247 | 614                   | 461 | 368 | 307 | 263 | 230 | 576                   | 432 | 345 | 288 | 247 | 216 |
| 16                       | 743                   | 557 | 446 | 371 | 318 | 279 | 716                   | 537 | 430 | 358 | 307 | 269 | 668                   | 501 | 401 | 334 | 286 | 251 | 627                   | 470 | 376 | 313 | 269 | 235 |
| 16,5                     | 792                   | 594 | 475 | 396 | 340 | 297 | 764                   | 573 | 458 | 382 | 327 | 287 | 713                   | 535 | 428 | 357 | 306 | 267 | 669                   | 501 | 401 | 334 | 287 | 251 |
| 17                       | 870                   | 652 | 522 | 435 | 373 | 326 | 839                   | 629 | 503 | 419 | 359 | 314 | 783                   | 587 | 470 | 391 | 335 | 294 | 734                   | 550 | 440 | 367 | 314 | 275 |
| 17,5                     | 938                   | 704 | 563 | 469 | 402 | 352 | 905                   | 679 | 543 | 452 | 388 | 339 | 844                   | 633 | 507 | 422 | 362 | 317 | 792                   | 594 | 475 | 396 | 339 | 297 |
| 18                       | 962                   | 722 | 577 | 481 | 412 | 361 | 928                   | 696 | 557 | 464 | 398 | 348 | 866                   | 649 | 519 | 433 | 371 | 325 | 812                   | 609 | 487 | 406 | 348 | 304 |
| 18,5                     | 973                   | 730 | 584 | 486 | 417 | 365 | 938                   | 704 | 563 | 469 | 402 | 352 | 876                   | 657 | 525 | 438 | 375 | 328 | 821                   | 616 | 493 | 410 | 352 | 308 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**N 27,5 Salmag z siarką**

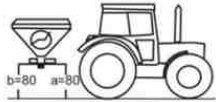
**Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.**

Formuła nawozu: N(CaS) 27,5-(6,5-4,5)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 95%  
Gęstość nasypowa: 1,1 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy | Wysiew graniczny |                        |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 1,4                  | ŁK I - 4    | 540 obr/min | 20             | 70                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 15                | ŁD I - 2                    | ŁK I - 4    | 540 obr/min | 25             | 70                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 16                | ŁD I - 2,1                  | ŁK I - 4    | 540 obr/min | 25             | 60                 | 80               | -1                     | -25%                     | 100                 | -3                     | -60%                     | -                |
| 18                | ŁD I - 2,2                  | ŁK I - 4    | 540 obr/min | 30             | 60                 | 80               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
|                   | ŁD II - 1                   | ŁK II - 1,4 | 540 obr/min | 30             | 70                 | 90               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
| 20                | ŁD I - 2,3                  | ŁK I - 3,3  | 540 obr/min | 35             | 50                 | 80               | -1                     | -25%                     | 100                 | -1                     | -25%                     | -                |
|                   | ŁD II - 1,2                 | ŁK II - 1,4 | 540 obr/min | 35             | 70                 | 90               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
| 21                | ŁD I - 2,4                  | ŁK I - 3,3  | 540 obr/min | 35             | 40                 | 70               | 0                      | 0%                       | 100                 | -1                     | -25%                     | -                |
|                   | ŁD II - 1,2                 | ŁK II - 2   | 540 obr/min | 30             | 60                 | 80               | 0                      | 0%                       | 100                 | -1,5                   | -35%                     | -                |
| 24                | ŁD I - 3                    | ŁK I - 4    | 540 obr/min | 40             | 40                 | 70               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
|                   | ŁD II - 1,4                 | ŁK II - 2   | 540 obr/min | 35             | 40                 | 70               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
| 27                | ŁD II - 1,4                 | ŁK II - 2,4 | 540 obr/min | 40             | 40                 | 70               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
| 28                | ŁD II - 2                   | ŁK II - 3,2 | 540 obr/min | 40             | 30                 | 70               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
| 30                | ŁD II - 2,3                 | ŁK II - 3,2 | 540 obr/min | 40             | 30                 | 70               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
| 32                | ŁD II - 2,3                 | ŁK II - 4   | 540 obr/min | 45             | 20                 | 60               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |

ŁD I - Łopátka I długa  
ŁD II - Łopátka II długa  
ŁK I - Łopátka I krótka  
ŁK II - Łopátka II krótka





# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**NPK 4 - 16 - 18 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 4-16-18  
Klasa ziarnowa: frakcja 2-5,5mm, nie mniej niż 90%  
Gęstość nasypowa: 1,15 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |     |     | 15 m                  |      |      |     |     |     | 16 m                  |      |      |     |     |     | 18 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|------|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 1,2            |      |      |      |     |     | ŁD I - 1,4            |      |      |     |     |     | ŁD I - 1,4            |      |      |     |     |     | ŁD I - 2              |      |     |     |     |     |
|                          | ŁK I - 3,3            |      |      |      |     |     | ŁK I - 3,3            |      |      |     |     |     | ŁK I - 4              |      |      |     |     |     | ŁK I - 4              |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |     |     |                       |      |      |     |     |     |                       |      |      |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 53                    | 40   | 32   | 27   | 23  | 20  | 43                    | 32   | 26   | 21  | 18  | 16  | 40                    | 30   | 24   | 20  | 17  | 15  | 36                    | 27   | 21  | 18  | 15  | 13  |
| 4,5                      | 78                    | 58   | 47   | 39   | 33  | 29  | 62                    | 47   | 37   | 31  | 27  | 23  | 58                    | 44   | 35   | 29  | 25  | 22  | 52                    | 39   | 31  | 26  | 22  | 19  |
| 5                        | 89                    | 67   | 53   | 45   | 38  | 33  | 71                    | 53   | 43   | 36  | 31  | 27  | 67                    | 50   | 40   | 33  | 29  | 25  | 59                    | 45   | 36  | 30  | 25  | 22  |
| 5,5                      | 111                   | 83   | 66   | 55   | 47  | 41  | 88                    | 66   | 53   | 44  | 38  | 33  | 83                    | 62   | 50   | 41  | 36  | 31  | 74                    | 55   | 44  | 37  | 32  | 28  |
| 6                        | 133                   | 100  | 80   | 67   | 57  | 50  | 106                   | 80   | 64   | 53  | 46  | 40  | 100                   | 75   | 60   | 50  | 43  | 37  | 89                    | 67   | 53  | 44  | 38  | 33  |
| 6,5                      | 165                   | 123  | 99   | 82   | 71  | 62  | 132                   | 99   | 79   | 66  | 56  | 49  | 123                   | 93   | 74   | 62  | 53  | 46  | 110                   | 82   | 66  | 55  | 47  | 41  |
| 7                        | 197                   | 148  | 118  | 98   | 84  | 74  | 157                   | 118  | 94   | 79  | 67  | 59  | 148                   | 111  | 89   | 74  | 63  | 55  | 131                   | 98   | 79  | 66  | 56  | 49  |
| 7,5                      | 233                   | 175  | 140  | 116  | 100 | 87  | 186                   | 140  | 112  | 93  | 80  | 70  | 175                   | 131  | 105  | 87  | 75  | 65  | 155                   | 116  | 93  | 78  | 67  | 58  |
| 8                        | 274                   | 206  | 164  | 137  | 117 | 103 | 219                   | 164  | 132  | 110 | 94  | 82  | 206                   | 154  | 123  | 103 | 88  | 77  | 183                   | 137  | 110 | 91  | 78  | 69  |
| 8,5                      | 316                   | 237  | 190  | 158  | 136 | 119 | 253                   | 190  | 152  | 127 | 108 | 95  | 237                   | 178  | 142  | 119 | 102 | 89  | 211                   | 158  | 127 | 105 | 90  | 79  |
| 9                        | 387                   | 290  | 232  | 194  | 166 | 145 | 310                   | 232  | 186  | 155 | 133 | 116 | 290                   | 218  | 174  | 145 | 124 | 109 | 258                   | 194  | 155 | 129 | 111 | 97  |
| 9,5                      | 424                   | 318  | 254  | 212  | 182 | 159 | 339                   | 254  | 204  | 170 | 145 | 127 | 318                   | 239  | 191  | 159 | 136 | 119 | 283                   | 212  | 170 | 141 | 121 | 106 |
| 10                       | 487                   | 365  | 292  | 243  | 209 | 183 | 390                   | 292  | 234  | 195 | 167 | 146 | 365                   | 274  | 219  | 183 | 157 | 137 | 325                   | 243  | 195 | 162 | 139 | 122 |
| 10,5                     | 553                   | 415  | 332  | 276  | 237 | 207 | 442                   | 332  | 265  | 221 | 190 | 166 | 415                   | 311  | 249  | 207 | 178 | 155 | 369                   | 276  | 221 | 184 | 158 | 138 |
| 11                       | 628                   | 471  | 377  | 314  | 269 | 235 | 502                   | 377  | 301  | 251 | 215 | 188 | 471                   | 353  | 282  | 235 | 202 | 176 | 418                   | 314  | 251 | 209 | 179 | 157 |
| 11,5                     | 711                   | 533  | 427  | 356  | 305 | 267 | 569                   | 427  | 341  | 284 | 244 | 213 | 533                   | 400  | 320  | 267 | 229 | 200 | 474                   | 356  | 284 | 237 | 203 | 178 |
| 12                       | 792                   | 594  | 475  | 396  | 339 | 297 | 634                   | 475  | 380  | 317 | 272 | 238 | 594                   | 446  | 356  | 297 | 255 | 223 | 528                   | 396  | 317 | 264 | 226 | 198 |
| 12,5                     | 881                   | 661  | 528  | 440  | 377 | 330 | 705                   | 528  | 423  | 352 | 302 | 264 | 661                   | 495  | 396  | 330 | 283 | 248 | 587                   | 440  | 352 | 294 | 252 | 220 |
| 13                       | 980                   | 735  | 588  | 490  | 420 | 367 | 784                   | 588  | 470  | 392 | 336 | 294 | 735                   | 551  | 441  | 367 | 315 | 276 | 653                   | 490  | 392 | 327 | 280 | 245 |
| 13,5                     | 1094                  | 821  | 656  | 547  | 469 | 410 | 875                   | 656  | 525  | 438 | 375 | 328 | 821                   | 615  | 492  | 410 | 352 | 308 | 729                   | 547  | 438 | 365 | 313 | 274 |
| 14                       | 1211                  | 908  | 727  | 605  | 519 | 454 | 969                   | 727  | 581  | 484 | 415 | 363 | 908                   | 681  | 545  | 454 | 389 | 341 | 807                   | 605  | 484 | 404 | 346 | 303 |
| 14,5                     | 1335                  | 1001 | 801  | 668  | 572 | 501 | 1068                  | 801  | 641  | 534 | 458 | 401 | 1001                  | 751  | 601  | 501 | 429 | 375 | 890                   | 668  | 534 | 445 | 381 | 334 |
| 15                       | 1408                  | 1056 | 845  | 704  | 604 | 528 | 1127                  | 845  | 676  | 563 | 483 | 422 | 1056                  | 792  | 634  | 528 | 453 | 396 | 939                   | 704  | 563 | 469 | 402 | 352 |
| 15,5                     | 1510                  | 1133 | 906  | 755  | 647 | 566 | 1208                  | 906  | 725  | 604 | 518 | 453 | 1133                  | 850  | 680  | 566 | 485 | 425 | 1007                  | 755  | 604 | 503 | 432 | 378 |
| 16                       | 1596                  | 1197 | 958  | 798  | 684 | 599 | 1277                  | 958  | 766  | 639 | 547 | 479 | 1197                  | 898  | 718  | 599 | 513 | 449 | 1064                  | 798  | 639 | 532 | 456 | 399 |
| 16,5                     | 1755                  | 1316 | 1053 | 878  | 752 | 658 | 1404                  | 1053 | 842  | 702 | 602 | 527 | 1316                  | 987  | 790  | 658 | 564 | 494 | 1170                  | 878  | 702 | 585 | 501 | 439 |
| 17                       | 1950                  | 1463 | 1170 | 975  | 836 | 731 | 1560                  | 1170 | 936  | 780 | 669 | 585 | 1463                  | 1097 | 878  | 731 | 627 | 548 | 1300                  | 975  | 780 | 650 | 557 | 488 |
| 17,5                     | 2061                  | 1546 | 1237 | 1031 | 883 | 773 | 1649                  | 1237 | 989  | 824 | 707 | 618 | 1546                  | 1159 | 928  | 773 | 663 | 580 | 1374                  | 1031 | 824 | 687 | 589 | 515 |
| 18                       | 2197                  | 1648 | 1318 | 1099 | 942 | 824 | 1758                  | 1318 | 1055 | 879 | 753 | 659 | 1648                  | 1236 | 989  | 824 | 706 | 618 | 1465                  | 1099 | 879 | 732 | 628 | 549 |
| 18,5                     | 2256                  | 1692 | 1354 | 1128 | 967 | 846 | 1805                  | 1354 | 1083 | 903 | 774 | 677 | 1692                  | 1269 | 1015 | 846 | 725 | 635 | 1504                  | 1128 | 903 | 752 | 645 | 564 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**NPK 4 - 16 - 18 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 4-16-18  
Klasa ziarnowa: frakcja 2-5,5mm, nie mniej niż 90%  
Gęstość nasypowa: 1,15 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |      |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 3,3            |      |     |     |     |     | ŁD I - 3,3            |     |     |     |     |     | ŁD I - 4              |     |     |     |     |     |
|                          | ŁK I - 3,2            |      |     |     |     |     | ŁK I - 4              |     |     |     |     |     | ŁK I - 4              |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 32                    | 24   | 19  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  | 27                    | 20  | 16  | 13  | 11  | 10  |
| 4,5                      | 47                    | 35   | 28  | 23  | 20  | 17  | 44                    | 33  | 27  | 22  | 19  | 17  | 39                    | 29  | 23  | 19  | 17  | 15  |
| 5                        | 53                    | 40   | 32  | 27  | 23  | 20  | 51                    | 38  | 31  | 25  | 22  | 19  | 45                    | 33  | 27  | 22  | 19  | 17  |
| 5,5                      | 66                    | 50   | 40  | 33  | 28  | 25  | 63                    | 47  | 38  | 32  | 27  | 24  | 55                    | 41  | 33  | 28  | 24  | 21  |
| 6                        | 80                    | 60   | 48  | 40  | 34  | 30  | 76                    | 57  | 46  | 38  | 33  | 29  | 67                    | 50  | 40  | 33  | 29  | 25  |
| 6,5                      | 99                    | 74   | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 118                   | 89   | 71  | 59  | 51  | 44  | 112                   | 84  | 67  | 56  | 48  | 42  | 98                    | 74  | 59  | 49  | 42  | 37  |
| 7,5                      | 140                   | 105  | 84  | 70  | 60  | 52  | 133                   | 100 | 80  | 67  | 57  | 50  | 116                   | 87  | 70  | 58  | 50  | 44  |
| 8                        | 164                   | 123  | 99  | 82  | 70  | 62  | 157                   | 117 | 94  | 78  | 67  | 59  | 137                   | 103 | 82  | 69  | 59  | 51  |
| 8,5                      | 190                   | 142  | 114 | 95  | 81  | 71  | 181                   | 136 | 108 | 90  | 77  | 68  | 158                   | 119 | 95  | 79  | 68  | 59  |
| 9                        | 232                   | 174  | 139 | 116 | 100 | 87  | 221                   | 166 | 133 | 111 | 95  | 83  | 194                   | 145 | 116 | 97  | 83  | 73  |
| 9,5                      | 254                   | 191  | 153 | 127 | 109 | 95  | 242                   | 182 | 145 | 121 | 104 | 91  | 212                   | 159 | 127 | 106 | 91  | 80  |
| 10                       | 292                   | 219  | 175 | 146 | 125 | 110 | 278                   | 209 | 167 | 139 | 119 | 104 | 243                   | 183 | 146 | 122 | 104 | 91  |
| 10,5                     | 332                   | 249  | 199 | 166 | 142 | 124 | 316                   | 237 | 190 | 158 | 135 | 118 | 276                   | 207 | 166 | 138 | 118 | 104 |
| 11                       | 377                   | 282  | 226 | 188 | 161 | 141 | 359                   | 269 | 215 | 179 | 154 | 134 | 314                   | 235 | 188 | 157 | 134 | 118 |
| 11,5                     | 427                   | 320  | 256 | 213 | 183 | 160 | 406                   | 305 | 244 | 203 | 174 | 152 | 356                   | 267 | 213 | 178 | 152 | 133 |
| 12                       | 475                   | 356  | 285 | 238 | 204 | 178 | 453                   | 339 | 272 | 226 | 194 | 170 | 396                   | 297 | 238 | 198 | 170 | 149 |
| 12,5                     | 528                   | 396  | 317 | 264 | 226 | 198 | 503                   | 377 | 302 | 252 | 216 | 189 | 440                   | 330 | 264 | 220 | 189 | 165 |
| 13                       | 588                   | 441  | 353 | 294 | 252 | 220 | 560                   | 420 | 336 | 280 | 240 | 210 | 490                   | 367 | 294 | 245 | 210 | 184 |
| 13,5                     | 656                   | 492  | 394 | 328 | 281 | 246 | 625                   | 469 | 375 | 313 | 268 | 234 | 547                   | 410 | 328 | 274 | 234 | 205 |
| 14                       | 727                   | 545  | 436 | 363 | 311 | 272 | 692                   | 519 | 415 | 346 | 297 | 259 | 605                   | 454 | 363 | 303 | 259 | 227 |
| 14,5                     | 801                   | 601  | 481 | 401 | 343 | 300 | 763                   | 572 | 458 | 381 | 327 | 286 | 668                   | 501 | 401 | 334 | 286 | 250 |
| 15                       | 845                   | 634  | 507 | 422 | 362 | 317 | 805                   | 604 | 483 | 402 | 345 | 302 | 704                   | 528 | 422 | 352 | 302 | 264 |
| 15,5                     | 906                   | 680  | 544 | 453 | 388 | 340 | 863                   | 647 | 518 | 432 | 370 | 324 | 755                   | 566 | 453 | 378 | 324 | 283 |
| 16                       | 958                   | 718  | 575 | 479 | 410 | 359 | 912                   | 684 | 547 | 456 | 391 | 342 | 798                   | 599 | 479 | 399 | 342 | 299 |
| 16,5                     | 1053                  | 790  | 632 | 527 | 451 | 395 | 1003                  | 752 | 602 | 501 | 430 | 376 | 878                   | 658 | 527 | 439 | 376 | 329 |
| 17                       | 1170                  | 878  | 702 | 585 | 501 | 439 | 1114                  | 836 | 669 | 557 | 478 | 418 | 975                   | 731 | 585 | 488 | 418 | 366 |
| 17,5                     | 1237                  | 928  | 742 | 618 | 530 | 464 | 1178                  | 883 | 707 | 589 | 505 | 442 | 1031                  | 773 | 618 | 515 | 442 | 386 |
| 18                       | 1318                  | 989  | 791 | 659 | 565 | 494 | 1256                  | 942 | 753 | 628 | 538 | 471 | 1099                  | 824 | 659 | 549 | 471 | 412 |
| 18,5                     | 1354                  | 1015 | 812 | 677 | 580 | 508 | 1289                  | 967 | 774 | 645 | 553 | 483 | 1128                  | 846 | 677 | 564 | 483 | 423 |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki II



**NPK 4-16-18 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 4-16-18  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,15 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |     |     |     |     | 20 m                  |      |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1,1           |      |     |     |     |     | ŁD II - 2             |      |     |     |     |     | ŁD II - 2             |     |     |     |     |     | ŁD II - 3             |     |     |     |     |     |
|                          | ŁK II - 3,3           |      |     |     |     |     | ŁK II - 3,1           |      |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     | ŁK II - 3             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 36                    | 27   | 21  | 18  | 15  | 13  | 32                    | 24   | 19  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  | 27                    | 20  | 16  | 13  | 11  | 10  |
| 4,5                      | 52                    | 39   | 31  | 26  | 22  | 19  | 47                    | 35   | 28  | 23  | 20  | 17  | 44                    | 33  | 27  | 22  | 19  | 17  | 39                    | 29  | 23  | 19  | 17  | 15  |
| 5                        | 59                    | 45   | 36  | 30  | 25  | 22  | 53                    | 40   | 32  | 27  | 23  | 20  | 51                    | 38  | 31  | 25  | 22  | 19  | 45                    | 33  | 27  | 22  | 19  | 17  |
| 5,5                      | 74                    | 55   | 44  | 37  | 32  | 28  | 66                    | 50   | 40  | 33  | 28  | 25  | 63                    | 47  | 38  | 32  | 27  | 24  | 55                    | 41  | 33  | 28  | 24  | 21  |
| 6                        | 89                    | 67   | 53  | 44  | 38  | 33  | 80                    | 60   | 48  | 40  | 34  | 30  | 76                    | 57  | 46  | 38  | 33  | 29  | 67                    | 50  | 40  | 33  | 29  | 25  |
| 6,5                      | 110                   | 82   | 66  | 55  | 47  | 41  | 99                    | 74   | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 131                   | 98   | 79  | 66  | 56  | 49  | 118                   | 89   | 71  | 59  | 51  | 44  | 112                   | 84  | 67  | 56  | 48  | 42  | 98                    | 74  | 59  | 49  | 42  | 37  |
| 7,5                      | 155                   | 116  | 93  | 78  | 67  | 58  | 140                   | 105  | 84  | 70  | 60  | 52  | 133                   | 100 | 80  | 67  | 57  | 50  | 116                   | 87  | 70  | 58  | 50  | 44  |
| 8                        | 183                   | 137  | 110 | 91  | 78  | 69  | 164                   | 123  | 99  | 82  | 70  | 62  | 157                   | 117 | 94  | 78  | 67  | 59  | 137                   | 103 | 82  | 69  | 59  | 51  |
| 8,5                      | 211                   | 158  | 127 | 105 | 90  | 79  | 190                   | 142  | 114 | 95  | 81  | 71  | 181                   | 136 | 108 | 90  | 77  | 68  | 158                   | 119 | 95  | 79  | 68  | 59  |
| 9                        | 258                   | 194  | 155 | 129 | 111 | 97  | 232                   | 174  | 139 | 116 | 100 | 87  | 221                   | 166 | 133 | 111 | 95  | 83  | 194                   | 145 | 116 | 97  | 83  | 73  |
| 9,5                      | 283                   | 212  | 170 | 141 | 121 | 106 | 254                   | 191  | 153 | 127 | 109 | 95  | 242                   | 182 | 145 | 121 | 104 | 91  | 212                   | 159 | 127 | 106 | 91  | 80  |
| 10                       | 325                   | 243  | 195 | 162 | 139 | 122 | 292                   | 219  | 175 | 146 | 125 | 110 | 278                   | 209 | 167 | 139 | 119 | 104 | 243                   | 183 | 146 | 122 | 104 | 91  |
| 10,5                     | 369                   | 276  | 221 | 184 | 158 | 138 | 332                   | 249  | 199 | 166 | 142 | 124 | 316                   | 237 | 190 | 158 | 135 | 118 | 276                   | 207 | 166 | 138 | 118 | 104 |
| 11                       | 418                   | 314  | 251 | 209 | 179 | 157 | 377                   | 282  | 226 | 188 | 161 | 141 | 359                   | 269 | 215 | 179 | 154 | 134 | 314                   | 235 | 188 | 157 | 134 | 118 |
| 11,5                     | 474                   | 356  | 284 | 237 | 203 | 178 | 427                   | 320  | 256 | 213 | 183 | 160 | 406                   | 305 | 244 | 203 | 174 | 152 | 356                   | 267 | 213 | 178 | 152 | 133 |
| 12                       | 528                   | 396  | 317 | 264 | 226 | 198 | 475                   | 356  | 285 | 238 | 204 | 178 | 453                   | 339 | 272 | 226 | 194 | 170 | 396                   | 297 | 238 | 198 | 170 | 149 |
| 12,5                     | 587                   | 440  | 352 | 294 | 252 | 220 | 528                   | 396  | 317 | 264 | 226 | 198 | 503                   | 377 | 302 | 252 | 216 | 189 | 440                   | 330 | 264 | 220 | 189 | 165 |
| 13                       | 653                   | 490  | 392 | 327 | 280 | 245 | 588                   | 441  | 353 | 294 | 252 | 220 | 560                   | 420 | 336 | 280 | 240 | 210 | 490                   | 367 | 294 | 245 | 210 | 184 |
| 13,5                     | 729                   | 547  | 438 | 365 | 313 | 274 | 656                   | 492  | 394 | 328 | 281 | 246 | 625                   | 469 | 375 | 313 | 268 | 234 | 547                   | 410 | 328 | 274 | 234 | 205 |
| 14                       | 807                   | 605  | 484 | 404 | 346 | 303 | 727                   | 545  | 436 | 363 | 311 | 272 | 692                   | 519 | 415 | 346 | 297 | 259 | 605                   | 454 | 363 | 303 | 259 | 227 |
| 14,5                     | 890                   | 668  | 534 | 445 | 381 | 334 | 801                   | 601  | 481 | 401 | 343 | 300 | 763                   | 572 | 458 | 381 | 327 | 286 | 668                   | 501 | 401 | 334 | 286 | 250 |
| 15                       | 939                   | 704  | 563 | 469 | 402 | 352 | 845                   | 634  | 507 | 422 | 362 | 317 | 805                   | 604 | 483 | 402 | 345 | 302 | 704                   | 528 | 422 | 352 | 302 | 264 |
| 15,5                     | 1007                  | 755  | 604 | 503 | 432 | 378 | 906                   | 680  | 544 | 453 | 388 | 340 | 863                   | 647 | 518 | 432 | 370 | 324 | 755                   | 566 | 453 | 378 | 324 | 283 |
| 16                       | 1064                  | 798  | 639 | 532 | 456 | 399 | 958                   | 718  | 575 | 479 | 410 | 359 | 912                   | 684 | 547 | 456 | 391 | 342 | 798                   | 599 | 479 | 399 | 342 | 299 |
| 16,5                     | 1170                  | 878  | 702 | 585 | 501 | 439 | 1053                  | 790  | 632 | 527 | 451 | 395 | 1003                  | 752 | 602 | 501 | 430 | 376 | 878                   | 658 | 527 | 439 | 376 | 329 |
| 17                       | 1300                  | 975  | 780 | 650 | 557 | 488 | 1170                  | 878  | 702 | 585 | 501 | 439 | 1114                  | 836 | 669 | 557 | 478 | 418 | 975                   | 731 | 585 | 488 | 418 | 366 |
| 17,5                     | 1374                  | 1031 | 824 | 687 | 589 | 515 | 1237                  | 928  | 742 | 618 | 530 | 464 | 1178                  | 883 | 707 | 589 | 505 | 442 | 1031                  | 773 | 618 | 515 | 442 | 386 |
| 18                       | 1465                  | 1099 | 879 | 732 | 628 | 549 | 1318                  | 989  | 791 | 659 | 565 | 494 | 1256                  | 942 | 753 | 628 | 538 | 471 | 1099                  | 824 | 659 | 549 | 471 | 412 |
| 18,5                     | 1504                  | 1128 | 903 | 752 | 645 | 564 | 1354                  | 1015 | 812 | 677 | 580 | 508 | 1289                  | 967 | 774 | 645 | 553 | 483 | 1128                  | 846 | 677 | 564 | 483 | 423 |

LD I - Łopatka I długa  
LD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka





# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**NPK 4-16-18 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 4-16-18  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,15 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1,3           |     |     |     |     |     | ŁD II - 2,3           |     |     |     |     |     | ŁD II - 3             |     |     |     |     |     |
|                          | ŁD II - 4             |     |     |     |     |     | ŁD II - 3,2           |     |     |     |     |     | ŁD II - 3,2           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 24                    | 18  | 14  | 12  | 10  | 9   | 23                    | 17  | 14  | 11  | 10  | 9   | 21                    | 16  | 13  | 11  | 9   | 8   |
| 4,5                      | 34                    | 26  | 21  | 17  | 15  | 13  | 33                    | 25  | 20  | 17  | 14  | 12  | 31                    | 23  | 19  | 16  | 13  | 12  |
| 5                        | 40                    | 30  | 24  | 20  | 17  | 15  | 38                    | 29  | 23  | 19  | 16  | 14  | 36                    | 27  | 21  | 18  | 15  | 13  |
| 5,5                      | 49                    | 37  | 29  | 25  | 21  | 18  | 47                    | 36  | 28  | 24  | 20  | 18  | 44                    | 33  | 27  | 22  | 19  | 17  |
| 6                        | 59                    | 44  | 35  | 30  | 25  | 22  | 57                    | 43  | 34  | 29  | 24  | 21  | 53                    | 40  | 32  | 27  | 23  | 20  |
| 6,5                      | 73                    | 55  | 44  | 37  | 31  | 27  | 71                    | 53  | 42  | 35  | 30  | 26  | 66                    | 49  | 39  | 33  | 28  | 25  |
| 7                        | 87                    | 66  | 52  | 44  | 37  | 33  | 84                    | 63  | 51  | 42  | 36  | 32  | 79                    | 59  | 47  | 39  | 34  | 30  |
| 7,5                      | 103                   | 78  | 62  | 52  | 44  | 39  | 100                   | 75  | 60  | 50  | 43  | 37  | 93                    | 70  | 56  | 47  | 40  | 35  |
| 8                        | 122                   | 91  | 73  | 61  | 52  | 46  | 117                   | 88  | 70  | 59  | 50  | 44  | 110                   | 82  | 66  | 55  | 47  | 41  |
| 8,5                      | 141                   | 105 | 84  | 70  | 60  | 53  | 136                   | 102 | 81  | 68  | 58  | 51  | 127                   | 95  | 76  | 63  | 54  | 47  |
| 9                        | 172                   | 129 | 103 | 86  | 74  | 65  | 166                   | 124 | 100 | 83  | 71  | 62  | 155                   | 116 | 93  | 77  | 66  | 58  |
| 9,5                      | 188                   | 141 | 113 | 94  | 81  | 71  | 182                   | 136 | 109 | 91  | 78  | 68  | 170                   | 127 | 102 | 85  | 73  | 64  |
| 10                       | 216                   | 162 | 130 | 108 | 93  | 81  | 209                   | 157 | 125 | 104 | 89  | 78  | 195                   | 146 | 117 | 97  | 83  | 73  |
| 10,5                     | 246                   | 184 | 147 | 123 | 105 | 92  | 237                   | 178 | 142 | 118 | 102 | 89  | 221                   | 166 | 133 | 111 | 95  | 83  |
| 11                       | 279                   | 209 | 167 | 139 | 120 | 105 | 269                   | 202 | 161 | 134 | 115 | 101 | 251                   | 188 | 151 | 126 | 108 | 94  |
| 11,5                     | 316                   | 237 | 190 | 158 | 135 | 119 | 305                   | 229 | 183 | 152 | 131 | 114 | 284                   | 213 | 171 | 142 | 122 | 107 |
| 12                       | 352                   | 264 | 211 | 176 | 151 | 132 | 339                   | 255 | 204 | 170 | 145 | 127 | 317                   | 238 | 190 | 158 | 136 | 119 |
| 12,5                     | 391                   | 294 | 235 | 196 | 168 | 147 | 377                   | 283 | 226 | 189 | 162 | 142 | 352                   | 264 | 211 | 176 | 151 | 132 |
| 13                       | 435                   | 327 | 261 | 218 | 187 | 163 | 420                   | 315 | 252 | 210 | 180 | 157 | 392                   | 294 | 235 | 196 | 168 | 147 |
| 13,5                     | 486                   | 365 | 292 | 243 | 208 | 182 | 469                   | 352 | 281 | 234 | 201 | 176 | 438                   | 328 | 263 | 219 | 188 | 164 |
| 14                       | 538                   | 404 | 323 | 269 | 231 | 202 | 519                   | 389 | 311 | 259 | 222 | 195 | 484                   | 363 | 291 | 242 | 208 | 182 |
| 14,5                     | 593                   | 445 | 356 | 297 | 254 | 223 | 572                   | 429 | 343 | 286 | 245 | 215 | 534                   | 401 | 320 | 267 | 229 | 200 |
| 15                       | 626                   | 469 | 376 | 313 | 268 | 235 | 604                   | 453 | 362 | 302 | 259 | 226 | 563                   | 422 | 338 | 282 | 241 | 211 |
| 15,5                     | 671                   | 503 | 403 | 336 | 288 | 252 | 647                   | 485 | 388 | 324 | 277 | 243 | 604                   | 453 | 363 | 302 | 259 | 227 |
| 16                       | 709                   | 532 | 426 | 355 | 304 | 266 | 684                   | 513 | 410 | 342 | 293 | 257 | 639                   | 479 | 383 | 319 | 274 | 239 |
| 16,5                     | 780                   | 585 | 468 | 390 | 334 | 293 | 752                   | 564 | 451 | 376 | 322 | 282 | 702                   | 527 | 421 | 351 | 301 | 263 |
| 17                       | 867                   | 650 | 520 | 433 | 371 | 325 | 836                   | 627 | 501 | 418 | 358 | 313 | 780                   | 585 | 468 | 390 | 334 | 293 |
| 17,5                     | 916                   | 687 | 550 | 458 | 393 | 344 | 883                   | 663 | 530 | 442 | 379 | 331 | 824                   | 618 | 495 | 412 | 353 | 309 |
| 18                       | 977                   | 732 | 586 | 488 | 419 | 366 | 942                   | 706 | 565 | 471 | 404 | 353 | 879                   | 659 | 527 | 439 | 377 | 330 |
| 18,5                     | 1003                  | 752 | 602 | 501 | 430 | 376 | 967                   | 725 | 580 | 483 | 414 | 363 | 903                   | 677 | 542 | 451 | 387 | 338 |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**NPK 4 - 16 - 18 Amofoska**

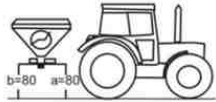
**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formula nawozu: NPK 4-16-18  
Klasa ziarnowa: frakcja 2-5,5mm, nie mniej niż 90%  
Gęstość nasypowa: 1,15 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy | Wysiew graniczny |                        |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 1,2                  | ŁK I - 3,3  | 540 obr/min | 10             | 90                 | 100              | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 15                | ŁD I - 1,4                  | ŁK I - 3,3  | 540 obr/min | 20             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
| 16                | ŁD I - 1,4                  | ŁK I - 4    | 540 obr/min | 30             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
| 18                | ŁD I - 2                    | ŁK I - 4    | 540 obr/min | 35             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
|                   | ŁD II - 1,1                 | ŁK II - 3,3 | 540 obr/min | 30             | 80                 | 80               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 20                | ŁD I - 3,3                  | ŁK I - 3,2  | 540 obr/min | 40             | 70                 | 80               | -2                     | -45%                     | 90                  | -2                     | -45%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 3,1 | 540 obr/min | 35             | 80                 | 90               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 21                | ŁD I - 3,3                  | ŁK I - 4    | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 90                  | -1                     | -25%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 3,2 | 540 obr/min | 35             | 80                 | 90               | -1                     | -25%                     | 100                 | -1,5                   | -35%                     | -                |
| 24                | ŁD I - 4                    | ŁK I - 4    | 540 obr/min | 40             | 70                 | 80               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
|                   | ŁD II - 3                   | ŁK II - 3   | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 100                 | -1,5                   | -35%                     | -                |
| 27                | ŁD II - 1,3                 | ŁK II - 4   | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 100                 | -1,5                   | -35%                     | -                |
| 28                | ŁD II - 2,3                 | ŁK II - 3,2 | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 90                  | -1,5                   | -35%                     | -                |
| 30                | ŁD II - 3                   | ŁK II - 3,2 | 540 obr/min | 45             | 60                 | 80               | -1                     | -25%                     | 90                  | -1,5                   | -35%                     | -                |
| 32                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                   | -                      | -                        | -                |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka





# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**NPK 4 - 10 - 22 Amofoska CORN**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 4-10-22  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,17 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |     |     | 15 m                  |      |      |     |     |     | 16 m                  |      |      |     |     |     | 18 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|------|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 1,2            |      |      |      |     |     | ŁD I - 1,4            |      |      |     |     |     | ŁD I - 1,4            |      |      |     |     |     | ŁD I - 2              |      |     |     |     |     |
|                          | ŁK I - 3,3            |      |      |      |     |     | ŁK I - 3,3            |      |      |     |     |     | ŁK I - 4              |      |      |     |     |     | ŁK I - 4              |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |     |     |                       |      |      |     |     |     |                       |      |      |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 53                    | 40   | 32   | 27   | 23  | 20  | 43                    | 32   | 26   | 21  | 18  | 16  | 40                    | 30   | 24   | 20  | 17  | 15  | 36                    | 27   | 21  | 18  | 15  | 13  |
| 4,5                      | 78                    | 58   | 47   | 39   | 33  | 29  | 62                    | 47   | 37   | 31  | 27  | 23  | 58                    | 44   | 35   | 29  | 25  | 22  | 52                    | 39   | 31  | 26  | 22  | 19  |
| 5                        | 89                    | 67   | 53   | 45   | 38  | 33  | 71                    | 53   | 43   | 36  | 31  | 27  | 67                    | 50   | 40   | 33  | 29  | 25  | 59                    | 45   | 36  | 30  | 25  | 22  |
| 5,5                      | 111                   | 83   | 66   | 55   | 47  | 41  | 88                    | 66   | 53   | 44  | 38  | 33  | 83                    | 62   | 50   | 41  | 36  | 31  | 74                    | 55   | 44  | 37  | 32  | 28  |
| 6                        | 133                   | 100  | 80   | 67   | 57  | 50  | 106                   | 80   | 64   | 53  | 46  | 40  | 100                   | 75   | 60   | 50  | 43  | 37  | 89                    | 67   | 53  | 44  | 38  | 33  |
| 6,5                      | 165                   | 123  | 99   | 82   | 71  | 62  | 132                   | 99   | 79   | 66  | 56  | 49  | 123                   | 93   | 74   | 62  | 53  | 46  | 110                   | 82   | 66  | 55  | 47  | 41  |
| 7                        | 197                   | 148  | 118  | 98   | 84  | 74  | 157                   | 118  | 94   | 79  | 67  | 59  | 148                   | 111  | 89   | 74  | 63  | 55  | 131                   | 98   | 79  | 66  | 56  | 49  |
| 7,5                      | 233                   | 175  | 140  | 116  | 100 | 87  | 186                   | 140  | 112  | 93  | 80  | 70  | 175                   | 131  | 105  | 87  | 75  | 65  | 155                   | 116  | 93  | 78  | 67  | 58  |
| 8                        | 274                   | 206  | 164  | 137  | 117 | 103 | 219                   | 164  | 132  | 110 | 94  | 82  | 206                   | 154  | 123  | 103 | 88  | 77  | 183                   | 137  | 110 | 91  | 78  | 69  |
| 8,5                      | 316                   | 237  | 190  | 158  | 136 | 119 | 253                   | 190  | 152  | 127 | 108 | 95  | 237                   | 178  | 142  | 119 | 102 | 89  | 211                   | 158  | 127 | 105 | 90  | 79  |
| 9                        | 387                   | 290  | 232  | 194  | 166 | 145 | 310                   | 232  | 186  | 155 | 133 | 116 | 290                   | 218  | 174  | 145 | 124 | 109 | 258                   | 194  | 155 | 129 | 111 | 97  |
| 9,5                      | 424                   | 318  | 254  | 212  | 182 | 159 | 339                   | 254  | 204  | 170 | 145 | 127 | 318                   | 239  | 191  | 159 | 136 | 119 | 283                   | 212  | 170 | 141 | 121 | 106 |
| 10                       | 487                   | 365  | 292  | 243  | 209 | 183 | 390                   | 292  | 234  | 195 | 167 | 146 | 365                   | 274  | 219  | 183 | 157 | 137 | 325                   | 243  | 195 | 162 | 139 | 122 |
| 10,5                     | 553                   | 415  | 332  | 276  | 237 | 207 | 442                   | 332  | 265  | 221 | 190 | 166 | 415                   | 311  | 249  | 207 | 178 | 155 | 369                   | 276  | 221 | 184 | 158 | 138 |
| 11                       | 628                   | 471  | 377  | 314  | 269 | 235 | 502                   | 377  | 301  | 251 | 215 | 188 | 471                   | 353  | 282  | 235 | 202 | 176 | 418                   | 314  | 251 | 209 | 179 | 157 |
| 11,5                     | 711                   | 533  | 427  | 356  | 305 | 267 | 569                   | 427  | 341  | 284 | 244 | 213 | 533                   | 400  | 320  | 267 | 229 | 200 | 474                   | 356  | 284 | 237 | 203 | 178 |
| 12                       | 792                   | 594  | 475  | 396  | 339 | 297 | 634                   | 475  | 380  | 317 | 272 | 238 | 594                   | 446  | 356  | 297 | 255 | 223 | 528                   | 396  | 317 | 264 | 226 | 198 |
| 12,5                     | 881                   | 661  | 528  | 440  | 377 | 330 | 705                   | 528  | 423  | 352 | 302 | 264 | 661                   | 495  | 396  | 330 | 283 | 248 | 587                   | 440  | 352 | 294 | 252 | 220 |
| 13                       | 980                   | 735  | 588  | 490  | 420 | 367 | 784                   | 588  | 470  | 392 | 336 | 294 | 735                   | 551  | 441  | 367 | 315 | 276 | 653                   | 490  | 392 | 327 | 280 | 245 |
| 13,5                     | 1094                  | 821  | 656  | 547  | 469 | 410 | 875                   | 656  | 525  | 438 | 375 | 328 | 821                   | 615  | 492  | 410 | 352 | 308 | 729                   | 547  | 438 | 365 | 313 | 274 |
| 14                       | 1211                  | 908  | 727  | 605  | 519 | 454 | 969                   | 727  | 581  | 484 | 415 | 363 | 908                   | 681  | 545  | 454 | 389 | 341 | 807                   | 605  | 484 | 404 | 346 | 303 |
| 14,5                     | 1335                  | 1001 | 801  | 668  | 572 | 501 | 1068                  | 801  | 641  | 534 | 458 | 401 | 1001                  | 751  | 601  | 501 | 429 | 375 | 890                   | 668  | 534 | 445 | 381 | 334 |
| 15                       | 1408                  | 1056 | 845  | 704  | 604 | 528 | 1127                  | 845  | 676  | 563 | 483 | 422 | 1056                  | 792  | 634  | 528 | 453 | 396 | 939                   | 704  | 563 | 469 | 402 | 352 |
| 15,5                     | 1510                  | 1133 | 906  | 755  | 647 | 566 | 1208                  | 906  | 725  | 604 | 518 | 453 | 1133                  | 850  | 680  | 566 | 485 | 425 | 1007                  | 755  | 604 | 503 | 432 | 378 |
| 16                       | 1596                  | 1197 | 958  | 798  | 684 | 599 | 1277                  | 958  | 766  | 639 | 547 | 479 | 1197                  | 898  | 718  | 599 | 513 | 449 | 1064                  | 798  | 639 | 532 | 456 | 399 |
| 16,5                     | 1755                  | 1316 | 1053 | 878  | 752 | 658 | 1404                  | 1053 | 842  | 702 | 602 | 527 | 1316                  | 987  | 790  | 658 | 564 | 494 | 1170                  | 878  | 702 | 585 | 501 | 439 |
| 17                       | 1950                  | 1463 | 1170 | 975  | 836 | 731 | 1560                  | 1170 | 936  | 780 | 669 | 585 | 1463                  | 1097 | 878  | 731 | 627 | 548 | 1300                  | 975  | 780 | 650 | 557 | 488 |
| 17,5                     | 2061                  | 1546 | 1237 | 1031 | 883 | 773 | 1649                  | 1237 | 989  | 824 | 707 | 618 | 1546                  | 1159 | 928  | 773 | 663 | 580 | 1374                  | 1031 | 824 | 687 | 589 | 515 |
| 18                       | 2197                  | 1648 | 1318 | 1099 | 942 | 824 | 1758                  | 1318 | 1055 | 879 | 753 | 659 | 1648                  | 1236 | 989  | 824 | 706 | 618 | 1465                  | 1099 | 879 | 732 | 628 | 549 |
| 18,5                     | 2256                  | 1692 | 1354 | 1128 | 967 | 846 | 1805                  | 1354 | 1083 | 903 | 774 | 677 | 1692                  | 1269 | 1015 | 846 | 725 | 635 | 1504                  | 1128 | 903 | 752 | 645 | 564 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



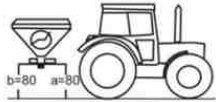
**NPK 4 - 10 - 22 Amofoska CORN**

Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.

Formuła nawozu: NPK 4-10-22  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,17 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |      |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 3,3            |      |     |     |     |     | ŁD I - 3,3            |     |     |     |     |     | ŁD I - 4              |     |     |     |     |     |
|                          | ŁK I - 3,2            |      |     |     |     |     | ŁK I - 4              |     |     |     |     |     | ŁK I - 4              |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 32                    | 24   | 19  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  | 27                    | 20  | 16  | 13  | 11  | 10  |
| 4,5                      | 47                    | 35   | 28  | 23  | 20  | 17  | 44                    | 33  | 27  | 22  | 19  | 17  | 39                    | 29  | 23  | 19  | 17  | 15  |
| 5                        | 53                    | 40   | 32  | 27  | 23  | 20  | 51                    | 38  | 31  | 25  | 22  | 19  | 45                    | 33  | 27  | 22  | 19  | 17  |
| 5,5                      | 66                    | 50   | 40  | 33  | 28  | 25  | 63                    | 47  | 38  | 32  | 27  | 24  | 55                    | 41  | 33  | 28  | 24  | 21  |
| 6                        | 80                    | 60   | 48  | 40  | 34  | 30  | 76                    | 57  | 46  | 38  | 33  | 29  | 67                    | 50  | 40  | 33  | 29  | 25  |
| 6,5                      | 99                    | 74   | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 118                   | 89   | 71  | 59  | 51  | 44  | 112                   | 84  | 67  | 56  | 48  | 42  | 98                    | 74  | 59  | 49  | 42  | 37  |
| 7,5                      | 140                   | 105  | 84  | 70  | 60  | 52  | 133                   | 100 | 80  | 67  | 57  | 50  | 116                   | 87  | 70  | 58  | 50  | 44  |
| 8                        | 164                   | 123  | 99  | 82  | 70  | 62  | 157                   | 117 | 94  | 78  | 67  | 59  | 137                   | 103 | 82  | 69  | 59  | 51  |
| 8,5                      | 190                   | 142  | 114 | 95  | 81  | 71  | 181                   | 136 | 108 | 90  | 77  | 68  | 158                   | 119 | 95  | 79  | 68  | 59  |
| 9                        | 232                   | 174  | 139 | 116 | 100 | 87  | 221                   | 166 | 133 | 111 | 95  | 83  | 194                   | 145 | 116 | 97  | 83  | 73  |
| 9,5                      | 254                   | 191  | 153 | 127 | 109 | 95  | 242                   | 182 | 145 | 121 | 104 | 91  | 212                   | 159 | 127 | 106 | 91  | 80  |
| 10                       | 292                   | 219  | 175 | 146 | 125 | 110 | 278                   | 209 | 167 | 139 | 119 | 104 | 243                   | 183 | 146 | 122 | 104 | 91  |
| 10,5                     | 332                   | 249  | 199 | 166 | 142 | 124 | 316                   | 237 | 190 | 158 | 135 | 118 | 276                   | 207 | 166 | 138 | 118 | 104 |
| 11                       | 377                   | 282  | 226 | 188 | 161 | 141 | 359                   | 269 | 215 | 179 | 154 | 134 | 314                   | 235 | 188 | 157 | 134 | 118 |
| 11,5                     | 427                   | 320  | 256 | 213 | 183 | 160 | 406                   | 305 | 244 | 203 | 174 | 152 | 356                   | 267 | 213 | 178 | 152 | 133 |
| 12                       | 475                   | 356  | 285 | 238 | 204 | 178 | 453                   | 339 | 272 | 226 | 194 | 170 | 396                   | 297 | 238 | 198 | 170 | 149 |
| 12,5                     | 528                   | 396  | 317 | 264 | 226 | 198 | 503                   | 377 | 302 | 252 | 216 | 189 | 440                   | 330 | 264 | 220 | 189 | 165 |
| 13                       | 588                   | 441  | 353 | 294 | 252 | 220 | 560                   | 420 | 336 | 280 | 240 | 210 | 490                   | 367 | 294 | 245 | 210 | 184 |
| 13,5                     | 656                   | 492  | 394 | 328 | 281 | 246 | 625                   | 469 | 375 | 313 | 268 | 234 | 547                   | 410 | 328 | 274 | 234 | 205 |
| 14                       | 727                   | 545  | 436 | 363 | 311 | 272 | 692                   | 519 | 415 | 346 | 297 | 259 | 605                   | 454 | 363 | 303 | 259 | 227 |
| 14,5                     | 801                   | 601  | 481 | 401 | 343 | 300 | 763                   | 572 | 458 | 381 | 327 | 286 | 668                   | 501 | 401 | 334 | 286 | 250 |
| 15                       | 845                   | 634  | 507 | 422 | 362 | 317 | 805                   | 604 | 483 | 402 | 345 | 302 | 704                   | 528 | 422 | 352 | 302 | 264 |
| 15,5                     | 906                   | 680  | 544 | 453 | 388 | 340 | 863                   | 647 | 518 | 432 | 370 | 324 | 755                   | 566 | 453 | 378 | 324 | 283 |
| 16                       | 958                   | 718  | 575 | 479 | 410 | 359 | 912                   | 684 | 547 | 456 | 391 | 342 | 798                   | 599 | 479 | 399 | 342 | 299 |
| 16,5                     | 1053                  | 790  | 632 | 527 | 451 | 395 | 1003                  | 752 | 602 | 501 | 430 | 376 | 878                   | 658 | 527 | 439 | 376 | 329 |
| 17                       | 1170                  | 878  | 702 | 585 | 501 | 439 | 1114                  | 836 | 669 | 557 | 478 | 418 | 975                   | 731 | 585 | 488 | 418 | 366 |
| 17,5                     | 1237                  | 928  | 742 | 618 | 530 | 464 | 1178                  | 883 | 707 | 589 | 505 | 442 | 1031                  | 773 | 618 | 515 | 442 | 386 |
| 18                       | 1318                  | 989  | 791 | 659 | 565 | 494 | 1256                  | 942 | 753 | 628 | 538 | 471 | 1099                  | 824 | 659 | 549 | 471 | 412 |
| 18,5                     | 1354                  | 1015 | 812 | 677 | 580 | 508 | 1289                  | 967 | 774 | 645 | 553 | 483 | 1128                  | 846 | 677 | 564 | 483 | 423 |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki II



**NPK 4 - 10 - 22 Amofoska CORN**

Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.

Formuła nawozu: NPK 4-10-22  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,17 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |     |     |     |     | 20 m                  |      |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | LD II - 1,1           |      |     |     |     |     | LD II - 2             |      |     |     |     |     | LD II - 2             |     |     |     |     |     | LD II - 3             |     |     |     |     |     |
|                          | ŁK II - 3,3           |      |     |     |     |     | ŁK II - 3,1           |      |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     | ŁK II - 3             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 36                    | 27   | 21  | 18  | 15  | 13  | 32                    | 24   | 19  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  | 27                    | 20  | 16  | 13  | 11  | 10  |
| 4,5                      | 52                    | 39   | 31  | 26  | 22  | 19  | 47                    | 35   | 28  | 23  | 20  | 17  | 44                    | 33  | 27  | 22  | 19  | 17  | 39                    | 29  | 23  | 19  | 17  | 15  |
| 5                        | 59                    | 45   | 36  | 30  | 25  | 22  | 53                    | 40   | 32  | 27  | 23  | 20  | 51                    | 38  | 31  | 25  | 22  | 19  | 45                    | 33  | 27  | 22  | 19  | 17  |
| 5,5                      | 74                    | 55   | 44  | 37  | 32  | 28  | 66                    | 50   | 40  | 33  | 28  | 25  | 63                    | 47  | 38  | 32  | 27  | 24  | 55                    | 41  | 33  | 28  | 24  | 21  |
| 6                        | 89                    | 67   | 53  | 44  | 38  | 33  | 80                    | 60   | 48  | 40  | 34  | 30  | 76                    | 57  | 46  | 38  | 33  | 29  | 67                    | 50  | 40  | 33  | 29  | 25  |
| 6,5                      | 110                   | 82   | 66  | 55  | 47  | 41  | 99                    | 74   | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 131                   | 98   | 79  | 66  | 56  | 49  | 118                   | 89   | 71  | 59  | 51  | 44  | 112                   | 84  | 67  | 56  | 48  | 42  | 98                    | 74  | 59  | 49  | 42  | 37  |
| 7,5                      | 155                   | 116  | 93  | 78  | 67  | 58  | 140                   | 105  | 84  | 70  | 60  | 52  | 133                   | 100 | 80  | 67  | 57  | 50  | 116                   | 87  | 70  | 58  | 50  | 44  |
| 8                        | 183                   | 137  | 110 | 91  | 78  | 69  | 164                   | 123  | 99  | 82  | 70  | 62  | 157                   | 117 | 94  | 78  | 67  | 59  | 137                   | 103 | 82  | 69  | 59  | 51  |
| 8,5                      | 211                   | 158  | 127 | 105 | 90  | 79  | 190                   | 142  | 114 | 95  | 81  | 71  | 181                   | 136 | 108 | 90  | 77  | 68  | 158                   | 119 | 95  | 79  | 68  | 59  |
| 9                        | 258                   | 194  | 155 | 129 | 111 | 97  | 232                   | 174  | 139 | 116 | 100 | 87  | 221                   | 166 | 133 | 111 | 95  | 83  | 194                   | 145 | 116 | 97  | 83  | 73  |
| 9,5                      | 283                   | 212  | 170 | 141 | 121 | 106 | 254                   | 191  | 153 | 127 | 109 | 95  | 242                   | 182 | 145 | 121 | 104 | 91  | 212                   | 159 | 127 | 106 | 91  | 80  |
| 10                       | 325                   | 243  | 195 | 162 | 139 | 122 | 292                   | 219  | 175 | 146 | 125 | 110 | 278                   | 209 | 167 | 139 | 119 | 104 | 243                   | 183 | 146 | 122 | 104 | 91  |
| 10,5                     | 369                   | 276  | 221 | 184 | 158 | 138 | 332                   | 249  | 199 | 166 | 142 | 124 | 316                   | 237 | 190 | 158 | 135 | 118 | 276                   | 207 | 166 | 138 | 118 | 104 |
| 11                       | 418                   | 314  | 251 | 209 | 179 | 157 | 377                   | 282  | 226 | 188 | 161 | 141 | 359                   | 269 | 215 | 179 | 154 | 134 | 314                   | 235 | 188 | 157 | 134 | 118 |
| 11,5                     | 474                   | 356  | 284 | 237 | 203 | 178 | 427                   | 320  | 256 | 213 | 183 | 160 | 406                   | 305 | 244 | 203 | 174 | 152 | 356                   | 267 | 213 | 178 | 152 | 133 |
| 12                       | 528                   | 396  | 317 | 264 | 226 | 198 | 475                   | 356  | 285 | 238 | 204 | 178 | 453                   | 339 | 272 | 226 | 194 | 170 | 396                   | 297 | 238 | 198 | 170 | 149 |
| 12,5                     | 587                   | 440  | 352 | 294 | 252 | 220 | 528                   | 396  | 317 | 264 | 226 | 198 | 503                   | 377 | 302 | 252 | 216 | 189 | 440                   | 330 | 264 | 220 | 189 | 165 |
| 13                       | 653                   | 490  | 392 | 327 | 280 | 245 | 588                   | 441  | 353 | 294 | 252 | 220 | 560                   | 420 | 336 | 280 | 240 | 210 | 490                   | 367 | 294 | 245 | 210 | 184 |
| 13,5                     | 729                   | 547  | 438 | 365 | 313 | 274 | 656                   | 492  | 394 | 328 | 281 | 246 | 625                   | 469 | 375 | 313 | 268 | 234 | 547                   | 410 | 328 | 274 | 234 | 205 |
| 14                       | 807                   | 605  | 484 | 404 | 346 | 303 | 727                   | 545  | 436 | 363 | 311 | 272 | 692                   | 519 | 415 | 346 | 297 | 259 | 605                   | 454 | 363 | 303 | 259 | 227 |
| 14,5                     | 890                   | 668  | 534 | 445 | 381 | 334 | 801                   | 601  | 481 | 401 | 343 | 300 | 763                   | 572 | 458 | 381 | 327 | 286 | 668                   | 501 | 401 | 334 | 286 | 250 |
| 15                       | 939                   | 704  | 563 | 469 | 402 | 352 | 845                   | 634  | 507 | 422 | 362 | 317 | 805                   | 604 | 483 | 402 | 345 | 302 | 704                   | 528 | 422 | 352 | 302 | 264 |
| 15,5                     | 1007                  | 755  | 604 | 503 | 432 | 378 | 906                   | 680  | 544 | 453 | 388 | 340 | 863                   | 647 | 518 | 432 | 370 | 324 | 755                   | 566 | 453 | 378 | 324 | 283 |
| 16                       | 1064                  | 798  | 639 | 532 | 456 | 399 | 958                   | 718  | 575 | 479 | 410 | 359 | 912                   | 684 | 547 | 456 | 391 | 342 | 798                   | 599 | 479 | 399 | 342 | 299 |
| 16,5                     | 1170                  | 878  | 702 | 585 | 501 | 439 | 1053                  | 790  | 632 | 527 | 451 | 395 | 1003                  | 752 | 602 | 501 | 430 | 376 | 878                   | 658 | 527 | 439 | 376 | 329 |
| 17                       | 1300                  | 975  | 780 | 650 | 557 | 488 | 1170                  | 878  | 702 | 585 | 501 | 439 | 1114                  | 836 | 669 | 557 | 478 | 418 | 975                   | 731 | 585 | 488 | 418 | 366 |
| 17,5                     | 1374                  | 1031 | 824 | 687 | 589 | 515 | 1237                  | 928  | 742 | 618 | 530 | 464 | 1178                  | 883 | 707 | 589 | 505 | 442 | 1031                  | 773 | 618 | 515 | 442 | 386 |
| 18                       | 1465                  | 1099 | 879 | 732 | 628 | 549 | 1318                  | 989  | 791 | 659 | 565 | 494 | 1256                  | 942 | 753 | 628 | 538 | 471 | 1099                  | 824 | 659 | 549 | 471 | 412 |
| 18,5                     | 1504                  | 1128 | 903 | 752 | 645 | 564 | 1354                  | 1015 | 812 | 677 | 580 | 508 | 1289                  | 967 | 774 | 645 | 553 | 483 | 1128                  | 846 | 677 | 564 | 483 | 423 |

LD I - Łopatka I długa  
LD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**NPK 4 - 10 - 22 Amofoska CORN**

Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.

Formuła nawozu: NPK 4-10-22  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,17 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1,3           |     |     |     |     |     | ŁD II - 2,3           |     |     |     |     |     | ŁD II - 3             |     |     |     |     |     |
|                          | ŁK II - 4             |     |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 24                    | 18  | 14  | 12  | 10  | 9   | 23                    | 17  | 14  | 11  | 10  | 9   | 21                    | 16  | 13  | 11  | 9   | 8   |
| 4,5                      | 34                    | 26  | 21  | 17  | 15  | 13  | 33                    | 25  | 20  | 17  | 14  | 12  | 31                    | 23  | 19  | 16  | 13  | 12  |
| 5                        | 40                    | 30  | 24  | 20  | 17  | 15  | 38                    | 29  | 23  | 19  | 16  | 14  | 36                    | 27  | 21  | 18  | 15  | 13  |
| 5,5                      | 49                    | 37  | 29  | 25  | 21  | 18  | 47                    | 36  | 28  | 24  | 20  | 18  | 44                    | 33  | 27  | 22  | 19  | 17  |
| 6                        | 59                    | 44  | 35  | 30  | 25  | 22  | 57                    | 43  | 34  | 29  | 24  | 21  | 53                    | 40  | 32  | 27  | 23  | 20  |
| 6,5                      | 73                    | 55  | 44  | 37  | 31  | 27  | 71                    | 53  | 42  | 35  | 30  | 26  | 66                    | 49  | 39  | 33  | 28  | 25  |
| 7                        | 87                    | 66  | 52  | 44  | 37  | 33  | 84                    | 63  | 51  | 42  | 36  | 32  | 79                    | 59  | 47  | 39  | 34  | 30  |
| 7,5                      | 103                   | 78  | 62  | 52  | 44  | 39  | 100                   | 75  | 60  | 50  | 43  | 37  | 93                    | 70  | 56  | 47  | 40  | 35  |
| 8                        | 122                   | 91  | 73  | 61  | 52  | 46  | 117                   | 88  | 70  | 59  | 50  | 44  | 110                   | 82  | 66  | 55  | 47  | 41  |
| 8,5                      | 141                   | 105 | 84  | 70  | 60  | 53  | 136                   | 102 | 81  | 68  | 58  | 51  | 127                   | 95  | 76  | 63  | 54  | 47  |
| 9                        | 172                   | 129 | 103 | 86  | 74  | 65  | 166                   | 124 | 100 | 83  | 71  | 62  | 155                   | 116 | 93  | 77  | 66  | 58  |
| 9,5                      | 188                   | 141 | 113 | 94  | 81  | 71  | 182                   | 136 | 109 | 91  | 78  | 68  | 170                   | 127 | 102 | 85  | 73  | 64  |
| 10                       | 216                   | 162 | 130 | 108 | 93  | 81  | 209                   | 157 | 125 | 104 | 89  | 78  | 195                   | 146 | 117 | 97  | 83  | 73  |
| 10,5                     | 246                   | 184 | 147 | 123 | 105 | 92  | 237                   | 178 | 142 | 118 | 102 | 89  | 221                   | 166 | 133 | 111 | 95  | 83  |
| 11                       | 279                   | 209 | 167 | 139 | 120 | 105 | 269                   | 202 | 161 | 134 | 115 | 101 | 251                   | 188 | 151 | 126 | 108 | 94  |
| 11,5                     | 316                   | 237 | 190 | 158 | 135 | 119 | 305                   | 229 | 183 | 152 | 131 | 114 | 284                   | 213 | 171 | 142 | 122 | 107 |
| 12                       | 352                   | 264 | 211 | 176 | 151 | 132 | 339                   | 255 | 204 | 170 | 145 | 127 | 317                   | 238 | 190 | 158 | 136 | 119 |
| 12,5                     | 391                   | 294 | 235 | 196 | 168 | 147 | 377                   | 283 | 226 | 189 | 162 | 142 | 352                   | 264 | 211 | 176 | 151 | 132 |
| 13                       | 435                   | 327 | 261 | 218 | 187 | 163 | 420                   | 315 | 252 | 210 | 180 | 157 | 392                   | 294 | 235 | 196 | 168 | 147 |
| 13,5                     | 486                   | 365 | 292 | 243 | 208 | 182 | 469                   | 352 | 281 | 234 | 201 | 176 | 438                   | 328 | 263 | 219 | 188 | 164 |
| 14                       | 538                   | 404 | 323 | 269 | 231 | 202 | 519                   | 389 | 311 | 259 | 222 | 195 | 484                   | 363 | 291 | 242 | 208 | 182 |
| 14,5                     | 593                   | 445 | 356 | 297 | 254 | 223 | 572                   | 429 | 343 | 286 | 245 | 215 | 534                   | 401 | 320 | 267 | 229 | 200 |
| 15                       | 626                   | 469 | 376 | 313 | 268 | 235 | 604                   | 453 | 362 | 302 | 259 | 226 | 563                   | 422 | 338 | 282 | 241 | 211 |
| 15,5                     | 671                   | 503 | 403 | 336 | 288 | 252 | 647                   | 485 | 388 | 324 | 277 | 243 | 604                   | 453 | 363 | 302 | 259 | 227 |
| 16                       | 709                   | 532 | 426 | 355 | 304 | 266 | 684                   | 513 | 410 | 342 | 293 | 257 | 639                   | 479 | 383 | 319 | 274 | 239 |
| 16,5                     | 780                   | 585 | 468 | 390 | 334 | 293 | 752                   | 564 | 451 | 376 | 322 | 282 | 702                   | 527 | 421 | 351 | 301 | 263 |
| 17                       | 867                   | 650 | 520 | 433 | 371 | 325 | 836                   | 627 | 501 | 418 | 358 | 313 | 780                   | 585 | 468 | 390 | 334 | 293 |
| 17,5                     | 916                   | 687 | 550 | 458 | 393 | 344 | 883                   | 663 | 530 | 442 | 379 | 331 | 824                   | 618 | 495 | 412 | 353 | 309 |
| 18                       | 977                   | 732 | 586 | 488 | 419 | 366 | 942                   | 706 | 565 | 471 | 404 | 353 | 879                   | 659 | 527 | 439 | 377 | 330 |
| 18,5                     | 1003                  | 752 | 602 | 501 | 430 | 376 | 967                   | 725 | 580 | 483 | 414 | 363 | 903                   | 677 | 542 | 451 | 387 | 338 |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**NPK 4 - 10 - 22 Amofoska CORN**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 4-10-22  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,17 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy |                  | Wysiew graniczny       |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 1,2                  | ŁK I - 3,3  | 540 obr/min | 10             | 90                 | 100              | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 15                | ŁD I - 1,4                  | ŁK I - 3,3  | 540 obr/min | 20             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
| 16                | ŁD I - 1,4                  | ŁK I - 4    | 540 obr/min | 30             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
| 18                | ŁD I - 2                    | ŁK I - 4    | 540 obr/min | 35             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
|                   | ŁD II - 1,1                 | ŁK II - 3,3 | 540 obr/min | 30             | 80                 | 80               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 20                | ŁD I - 3,3                  | ŁK I - 3,2  | 540 obr/min | 40             | 70                 | 80               | -2                     | -45%                     | 90                  | -2                     | -45%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 3,1 | 540 obr/min | 35             | 80                 | 90               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 21                | ŁD I - 3,3                  | ŁK I - 4    | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 90                  | -1                     | -25%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 3,2 | 540 obr/min | 35             | 80                 | 90               | -1                     | -25%                     | 100                 | -1,5                   | -35%                     | -                |
| 24                | ŁD I - 4                    | ŁK I - 4    | 540 obr/min | 40             | 70                 | 80               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
|                   | ŁD II - 3                   | ŁK II - 3   | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 100                 | -1,5                   | -35%                     | -                |
| 27                | ŁD II - 1,3                 | ŁK II - 4   | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 100                 | -1,5                   | -35%                     | -                |
| 28                | ŁD II - 2,3                 | ŁK II - 3,2 | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 90                  | -1,5                   | -35%                     | -                |
| 30                | ŁD II - 3                   | ŁK II - 3,2 | 540 obr/min | 45             | 60                 | 80               | -1                     | -25%                     | 90                  | -1,5                   | -35%                     | -                |
| 32                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                   | -                      | -                        | -                |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka







# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**NPK 5 - 10 - 25 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 5-10-25 z borem  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,16 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |     |     | 15 m                  |      |      |     |     |     | 16 m                  |      |      |     |     |     | 18 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|------|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 1,2            |      |      |      |     |     | ŁD I - 1,4            |      |      |     |     |     | ŁD I - 1,4            |      |      |     |     |     | ŁD I - 2              |      |     |     |     |     |
|                          | ŁK I - 3,3            |      |      |      |     |     | ŁK I - 3,3            |      |      |     |     |     | ŁK I - 4              |      |      |     |     |     | ŁK I - 4              |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |     |     |                       |      |      |     |     |     |                       |      |      |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 53                    | 40   | 32   | 27   | 23  | 20  | 43                    | 32   | 26   | 21  | 18  | 16  | 40                    | 30   | 24   | 20  | 17  | 15  | 36                    | 27   | 21  | 18  | 15  | 13  |
| 4,5                      | 78                    | 58   | 47   | 39   | 33  | 29  | 62                    | 47   | 37   | 31  | 27  | 23  | 58                    | 44   | 35   | 29  | 25  | 22  | 52                    | 39   | 31  | 26  | 22  | 19  |
| 5                        | 89                    | 67   | 53   | 45   | 38  | 33  | 71                    | 53   | 43   | 36  | 31  | 27  | 67                    | 50   | 40   | 33  | 29  | 25  | 59                    | 45   | 36  | 30  | 25  | 22  |
| 5,5                      | 111                   | 83   | 66   | 55   | 47  | 41  | 88                    | 66   | 53   | 44  | 38  | 33  | 83                    | 62   | 50   | 41  | 36  | 31  | 74                    | 55   | 44  | 37  | 32  | 28  |
| 6                        | 133                   | 100  | 80   | 67   | 57  | 50  | 106                   | 80   | 64   | 53  | 46  | 40  | 100                   | 75   | 60   | 50  | 43  | 37  | 89                    | 67   | 53  | 44  | 38  | 33  |
| 6,5                      | 165                   | 123  | 99   | 82   | 71  | 62  | 132                   | 99   | 79   | 66  | 56  | 49  | 123                   | 93   | 74   | 62  | 53  | 46  | 110                   | 82   | 66  | 55  | 47  | 41  |
| 7                        | 197                   | 148  | 118  | 98   | 84  | 74  | 157                   | 118  | 94   | 79  | 67  | 59  | 148                   | 111  | 89   | 74  | 63  | 55  | 131                   | 98   | 79  | 66  | 56  | 49  |
| 7,5                      | 233                   | 175  | 140  | 116  | 100 | 87  | 186                   | 140  | 112  | 93  | 80  | 70  | 175                   | 131  | 105  | 87  | 75  | 65  | 155                   | 116  | 93  | 78  | 67  | 58  |
| 8                        | 274                   | 206  | 164  | 137  | 117 | 103 | 219                   | 164  | 132  | 110 | 94  | 82  | 206                   | 154  | 123  | 103 | 88  | 77  | 183                   | 137  | 110 | 91  | 78  | 69  |
| 8,5                      | 316                   | 237  | 190  | 158  | 136 | 119 | 253                   | 190  | 152  | 127 | 108 | 95  | 237                   | 178  | 142  | 119 | 102 | 89  | 211                   | 158  | 127 | 105 | 90  | 79  |
| 9                        | 387                   | 290  | 232  | 194  | 166 | 145 | 310                   | 232  | 186  | 155 | 133 | 116 | 290                   | 218  | 174  | 145 | 124 | 109 | 258                   | 194  | 155 | 129 | 111 | 97  |
| 9,5                      | 424                   | 318  | 254  | 212  | 182 | 159 | 339                   | 254  | 204  | 170 | 145 | 127 | 318                   | 239  | 191  | 159 | 136 | 119 | 283                   | 212  | 170 | 141 | 121 | 106 |
| 10                       | 487                   | 365  | 292  | 243  | 209 | 183 | 390                   | 292  | 234  | 195 | 167 | 146 | 365                   | 274  | 219  | 183 | 157 | 137 | 325                   | 243  | 195 | 162 | 139 | 122 |
| 10,5                     | 553                   | 415  | 332  | 276  | 237 | 207 | 442                   | 332  | 265  | 221 | 190 | 166 | 415                   | 311  | 249  | 207 | 178 | 155 | 369                   | 276  | 221 | 184 | 158 | 138 |
| 11                       | 628                   | 471  | 377  | 314  | 269 | 235 | 502                   | 377  | 301  | 251 | 215 | 188 | 471                   | 353  | 282  | 235 | 202 | 176 | 418                   | 314  | 251 | 209 | 179 | 157 |
| 11,5                     | 711                   | 533  | 427  | 356  | 305 | 267 | 569                   | 427  | 341  | 284 | 244 | 213 | 533                   | 400  | 320  | 267 | 229 | 200 | 474                   | 356  | 284 | 237 | 203 | 178 |
| 12                       | 792                   | 594  | 475  | 396  | 339 | 297 | 634                   | 475  | 380  | 317 | 272 | 238 | 594                   | 446  | 356  | 297 | 255 | 223 | 528                   | 396  | 317 | 264 | 226 | 198 |
| 12,5                     | 881                   | 661  | 528  | 440  | 377 | 330 | 705                   | 528  | 423  | 352 | 302 | 264 | 661                   | 495  | 396  | 330 | 283 | 248 | 587                   | 440  | 352 | 294 | 252 | 220 |
| 13                       | 980                   | 735  | 588  | 490  | 420 | 367 | 784                   | 588  | 470  | 392 | 336 | 294 | 735                   | 551  | 441  | 367 | 315 | 276 | 653                   | 490  | 392 | 327 | 280 | 245 |
| 13,5                     | 1094                  | 821  | 656  | 547  | 469 | 410 | 875                   | 656  | 525  | 438 | 375 | 328 | 821                   | 615  | 492  | 410 | 352 | 308 | 729                   | 547  | 438 | 365 | 313 | 274 |
| 14                       | 1211                  | 908  | 727  | 605  | 519 | 454 | 969                   | 727  | 581  | 484 | 415 | 363 | 908                   | 681  | 545  | 454 | 389 | 341 | 807                   | 605  | 484 | 404 | 346 | 303 |
| 14,5                     | 1335                  | 1001 | 801  | 668  | 572 | 501 | 1068                  | 801  | 641  | 534 | 458 | 401 | 1001                  | 751  | 601  | 501 | 429 | 375 | 890                   | 668  | 534 | 445 | 381 | 334 |
| 15                       | 1408                  | 1056 | 845  | 704  | 604 | 528 | 1127                  | 845  | 676  | 563 | 483 | 422 | 1056                  | 792  | 634  | 528 | 453 | 396 | 939                   | 704  | 563 | 469 | 402 | 352 |
| 15,5                     | 1510                  | 1133 | 906  | 755  | 647 | 566 | 1208                  | 906  | 725  | 604 | 518 | 453 | 1133                  | 850  | 680  | 566 | 485 | 425 | 1007                  | 755  | 604 | 503 | 432 | 378 |
| 16                       | 1596                  | 1197 | 958  | 798  | 684 | 599 | 1277                  | 958  | 766  | 639 | 547 | 479 | 1197                  | 898  | 718  | 599 | 513 | 449 | 1064                  | 798  | 639 | 532 | 456 | 399 |
| 16,5                     | 1755                  | 1316 | 1053 | 878  | 752 | 658 | 1404                  | 1053 | 842  | 702 | 602 | 527 | 1316                  | 987  | 790  | 658 | 564 | 494 | 1170                  | 878  | 702 | 585 | 501 | 439 |
| 17                       | 1950                  | 1463 | 1170 | 975  | 836 | 731 | 1560                  | 1170 | 936  | 780 | 669 | 585 | 1463                  | 1097 | 878  | 731 | 627 | 548 | 1300                  | 975  | 780 | 650 | 557 | 488 |
| 17,5                     | 2061                  | 1546 | 1237 | 1031 | 883 | 773 | 1649                  | 1237 | 989  | 824 | 707 | 618 | 1546                  | 1159 | 928  | 773 | 663 | 580 | 1374                  | 1031 | 824 | 687 | 589 | 515 |
| 18                       | 2197                  | 1648 | 1318 | 1099 | 942 | 824 | 1758                  | 1318 | 1055 | 879 | 753 | 659 | 1648                  | 1236 | 989  | 824 | 706 | 618 | 1465                  | 1099 | 879 | 732 | 628 | 549 |
| 18,5                     | 2256                  | 1692 | 1354 | 1128 | 967 | 846 | 1805                  | 1354 | 1083 | 903 | 774 | 677 | 1692                  | 1269 | 1015 | 846 | 725 | 635 | 1504                  | 1128 | 903 | 752 | 645 | 564 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatkii I



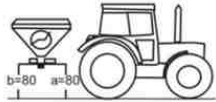
**NPK 5 - 10 - 25 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 5-10-25 z borem  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,16 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |      |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 3,3            |      |     |     |     |     | ŁD I - 3,3            |     |     |     |     |     | ŁD I - 4              |     |     |     |     |     |
|                          | ŁK I - 3,2            |      |     |     |     |     | ŁK I - 4              |     |     |     |     |     | ŁK I - 4              |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 32                    | 24   | 19  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  | 27                    | 20  | 16  | 13  | 11  | 10  |
| 4,5                      | 47                    | 35   | 28  | 23  | 20  | 17  | 44                    | 33  | 27  | 22  | 19  | 17  | 39                    | 29  | 23  | 19  | 17  | 15  |
| 5                        | 53                    | 40   | 32  | 27  | 23  | 20  | 51                    | 38  | 31  | 25  | 22  | 19  | 45                    | 33  | 27  | 22  | 19  | 17  |
| 5,5                      | 66                    | 50   | 40  | 33  | 28  | 25  | 63                    | 47  | 38  | 32  | 27  | 24  | 55                    | 41  | 33  | 28  | 24  | 21  |
| 6                        | 80                    | 60   | 48  | 40  | 34  | 30  | 76                    | 57  | 46  | 38  | 33  | 29  | 67                    | 50  | 40  | 33  | 29  | 25  |
| 6,5                      | 99                    | 74   | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 118                   | 89   | 71  | 59  | 51  | 44  | 112                   | 84  | 67  | 56  | 48  | 42  | 98                    | 74  | 59  | 49  | 42  | 37  |
| 7,5                      | 140                   | 105  | 84  | 70  | 60  | 52  | 133                   | 100 | 80  | 67  | 57  | 50  | 116                   | 87  | 70  | 58  | 50  | 44  |
| 8                        | 164                   | 123  | 99  | 82  | 70  | 62  | 157                   | 117 | 94  | 78  | 67  | 59  | 137                   | 103 | 82  | 69  | 59  | 51  |
| 8,5                      | 190                   | 142  | 114 | 95  | 81  | 71  | 181                   | 136 | 108 | 90  | 77  | 68  | 158                   | 119 | 95  | 79  | 68  | 59  |
| 9                        | 232                   | 174  | 139 | 116 | 100 | 87  | 221                   | 166 | 133 | 111 | 95  | 83  | 194                   | 145 | 116 | 97  | 83  | 73  |
| 9,5                      | 254                   | 191  | 153 | 127 | 109 | 95  | 242                   | 182 | 145 | 121 | 104 | 91  | 212                   | 159 | 127 | 106 | 91  | 80  |
| 10                       | 292                   | 219  | 175 | 146 | 125 | 110 | 278                   | 209 | 167 | 139 | 119 | 104 | 243                   | 183 | 146 | 122 | 104 | 91  |
| 10,5                     | 332                   | 249  | 199 | 166 | 142 | 124 | 316                   | 237 | 190 | 158 | 135 | 118 | 276                   | 207 | 166 | 138 | 118 | 104 |
| 11                       | 377                   | 282  | 226 | 188 | 161 | 141 | 359                   | 269 | 215 | 179 | 154 | 134 | 314                   | 235 | 188 | 157 | 134 | 118 |
| 11,5                     | 427                   | 320  | 256 | 213 | 183 | 160 | 406                   | 305 | 244 | 203 | 174 | 152 | 356                   | 267 | 213 | 178 | 152 | 133 |
| 12                       | 475                   | 356  | 285 | 238 | 204 | 178 | 453                   | 339 | 272 | 226 | 194 | 170 | 396                   | 297 | 238 | 198 | 170 | 149 |
| 12,5                     | 528                   | 396  | 317 | 264 | 226 | 198 | 503                   | 377 | 302 | 252 | 216 | 189 | 440                   | 330 | 264 | 220 | 189 | 165 |
| 13                       | 588                   | 441  | 353 | 294 | 252 | 220 | 560                   | 420 | 336 | 280 | 240 | 210 | 490                   | 367 | 294 | 245 | 210 | 184 |
| 13,5                     | 656                   | 492  | 394 | 328 | 281 | 246 | 625                   | 469 | 375 | 313 | 268 | 234 | 547                   | 410 | 328 | 274 | 234 | 205 |
| 14                       | 727                   | 545  | 436 | 363 | 311 | 272 | 692                   | 519 | 415 | 346 | 297 | 259 | 605                   | 454 | 363 | 303 | 259 | 227 |
| 14,5                     | 801                   | 601  | 481 | 401 | 343 | 300 | 763                   | 572 | 458 | 381 | 327 | 286 | 668                   | 501 | 401 | 334 | 286 | 250 |
| 15                       | 845                   | 634  | 507 | 422 | 362 | 317 | 805                   | 604 | 483 | 402 | 345 | 302 | 704                   | 528 | 422 | 352 | 302 | 264 |
| 15,5                     | 906                   | 680  | 544 | 453 | 388 | 340 | 863                   | 647 | 518 | 432 | 370 | 324 | 755                   | 566 | 453 | 378 | 324 | 283 |
| 16                       | 958                   | 718  | 575 | 479 | 410 | 359 | 912                   | 684 | 547 | 456 | 391 | 342 | 798                   | 599 | 479 | 399 | 342 | 299 |
| 16,5                     | 1053                  | 790  | 632 | 527 | 451 | 395 | 1003                  | 752 | 602 | 501 | 430 | 376 | 878                   | 658 | 527 | 439 | 376 | 329 |
| 17                       | 1170                  | 878  | 702 | 585 | 501 | 439 | 1114                  | 836 | 669 | 557 | 478 | 418 | 975                   | 731 | 585 | 488 | 418 | 366 |
| 17,5                     | 1237                  | 928  | 742 | 618 | 530 | 464 | 1178                  | 883 | 707 | 589 | 505 | 442 | 1031                  | 773 | 618 | 515 | 442 | 386 |
| 18                       | 1318                  | 989  | 791 | 659 | 565 | 494 | 1256                  | 942 | 753 | 628 | 538 | 471 | 1099                  | 824 | 659 | 549 | 471 | 412 |
| 18,5                     | 1354                  | 1015 | 812 | 677 | 580 | 508 | 1289                  | 967 | 774 | 645 | 553 | 483 | 1128                  | 846 | 677 | 564 | 483 | 423 |

ŁD I - Łopatkii I długa  
ŁD II - Łopatkii II długa  
ŁK I - Łopatkii I krótka  
ŁK II - Łopatkii II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki II



**NPK 5 - 10 - 25 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 5-10-25 z borem  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,16 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |     |     |     |     | 20 m                  |      |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | LD II - 1,1           |      |     |     |     |     | LD II - 2             |      |     |     |     |     | LD II - 2             |     |     |     |     |     | LD II - 3             |     |     |     |     |     |
|                          | ŁK II - 3,3           |      |     |     |     |     | ŁK II - 3,1           |      |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     | ŁK II - 3             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 36                    | 27   | 21  | 18  | 15  | 13  | 32                    | 24   | 19  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  | 27                    | 20  | 16  | 13  | 11  | 10  |
| 4,5                      | 52                    | 39   | 31  | 26  | 22  | 19  | 47                    | 35   | 28  | 23  | 20  | 17  | 44                    | 33  | 27  | 22  | 19  | 17  | 39                    | 29  | 23  | 19  | 17  | 15  |
| 5                        | 59                    | 45   | 36  | 30  | 25  | 22  | 53                    | 40   | 32  | 27  | 23  | 20  | 51                    | 38  | 31  | 25  | 22  | 19  | 45                    | 33  | 27  | 22  | 19  | 17  |
| 5,5                      | 74                    | 55   | 44  | 37  | 32  | 28  | 66                    | 50   | 40  | 33  | 28  | 25  | 63                    | 47  | 38  | 32  | 27  | 24  | 55                    | 41  | 33  | 28  | 24  | 21  |
| 6                        | 89                    | 67   | 53  | 44  | 38  | 33  | 80                    | 60   | 48  | 40  | 34  | 30  | 76                    | 57  | 46  | 38  | 33  | 29  | 67                    | 50  | 40  | 33  | 29  | 25  |
| 6,5                      | 110                   | 82   | 66  | 55  | 47  | 41  | 99                    | 74   | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 131                   | 98   | 79  | 66  | 56  | 49  | 118                   | 89   | 71  | 59  | 51  | 44  | 112                   | 84  | 67  | 56  | 48  | 42  | 98                    | 74  | 59  | 49  | 42  | 37  |
| 7,5                      | 155                   | 116  | 93  | 78  | 67  | 58  | 140                   | 105  | 84  | 70  | 60  | 52  | 133                   | 100 | 80  | 67  | 57  | 50  | 116                   | 87  | 70  | 58  | 50  | 44  |
| 8                        | 183                   | 137  | 110 | 91  | 78  | 69  | 164                   | 123  | 99  | 82  | 70  | 62  | 157                   | 117 | 94  | 78  | 67  | 59  | 137                   | 103 | 82  | 69  | 59  | 51  |
| 8,5                      | 211                   | 158  | 127 | 105 | 90  | 79  | 190                   | 142  | 114 | 95  | 81  | 71  | 181                   | 136 | 108 | 90  | 77  | 68  | 158                   | 119 | 95  | 79  | 68  | 59  |
| 9                        | 258                   | 194  | 155 | 129 | 111 | 97  | 232                   | 174  | 139 | 116 | 100 | 87  | 221                   | 166 | 133 | 111 | 95  | 83  | 194                   | 145 | 116 | 97  | 83  | 73  |
| 9,5                      | 283                   | 212  | 170 | 141 | 121 | 106 | 254                   | 191  | 153 | 127 | 109 | 95  | 242                   | 182 | 145 | 121 | 104 | 91  | 212                   | 159 | 127 | 106 | 91  | 80  |
| 10                       | 325                   | 243  | 195 | 162 | 139 | 122 | 292                   | 219  | 175 | 146 | 125 | 110 | 278                   | 209 | 167 | 139 | 119 | 104 | 243                   | 183 | 146 | 122 | 104 | 91  |
| 10,5                     | 369                   | 276  | 221 | 184 | 158 | 138 | 332                   | 249  | 199 | 166 | 142 | 124 | 316                   | 237 | 190 | 158 | 135 | 118 | 276                   | 207 | 166 | 138 | 118 | 104 |
| 11                       | 418                   | 314  | 251 | 209 | 179 | 157 | 377                   | 282  | 226 | 188 | 161 | 141 | 359                   | 269 | 215 | 179 | 154 | 134 | 314                   | 235 | 188 | 157 | 134 | 118 |
| 11,5                     | 474                   | 356  | 284 | 237 | 203 | 178 | 427                   | 320  | 256 | 213 | 183 | 160 | 406                   | 305 | 244 | 203 | 174 | 152 | 356                   | 267 | 213 | 178 | 152 | 133 |
| 12                       | 528                   | 396  | 317 | 264 | 226 | 198 | 475                   | 356  | 285 | 238 | 204 | 178 | 453                   | 339 | 272 | 226 | 194 | 170 | 396                   | 297 | 238 | 198 | 170 | 149 |
| 12,5                     | 587                   | 440  | 352 | 294 | 252 | 220 | 528                   | 396  | 317 | 264 | 226 | 198 | 503                   | 377 | 302 | 252 | 216 | 189 | 440                   | 330 | 264 | 220 | 189 | 165 |
| 13                       | 653                   | 490  | 392 | 327 | 280 | 245 | 588                   | 441  | 353 | 294 | 252 | 220 | 560                   | 420 | 336 | 280 | 240 | 210 | 490                   | 367 | 294 | 245 | 210 | 184 |
| 13,5                     | 729                   | 547  | 438 | 365 | 313 | 274 | 656                   | 492  | 394 | 328 | 281 | 246 | 625                   | 469 | 375 | 313 | 268 | 234 | 547                   | 410 | 328 | 274 | 234 | 205 |
| 14                       | 807                   | 605  | 484 | 404 | 346 | 303 | 727                   | 545  | 436 | 363 | 311 | 272 | 692                   | 519 | 415 | 346 | 297 | 259 | 605                   | 454 | 363 | 303 | 259 | 227 |
| 14,5                     | 890                   | 668  | 534 | 445 | 381 | 334 | 801                   | 601  | 481 | 401 | 343 | 300 | 763                   | 572 | 458 | 381 | 327 | 286 | 668                   | 501 | 401 | 334 | 286 | 250 |
| 15                       | 939                   | 704  | 563 | 469 | 402 | 352 | 845                   | 634  | 507 | 422 | 362 | 317 | 805                   | 604 | 483 | 402 | 345 | 302 | 704                   | 528 | 422 | 352 | 302 | 264 |
| 15,5                     | 1007                  | 755  | 604 | 503 | 432 | 378 | 906                   | 680  | 544 | 453 | 388 | 340 | 863                   | 647 | 518 | 432 | 370 | 324 | 755                   | 566 | 453 | 378 | 324 | 283 |
| 16                       | 1064                  | 798  | 639 | 532 | 456 | 399 | 958                   | 718  | 575 | 479 | 410 | 359 | 912                   | 684 | 547 | 456 | 391 | 342 | 798                   | 599 | 479 | 399 | 342 | 299 |
| 16,5                     | 1170                  | 878  | 702 | 585 | 501 | 439 | 1053                  | 790  | 632 | 527 | 451 | 395 | 1003                  | 752 | 602 | 501 | 430 | 376 | 878                   | 658 | 527 | 439 | 376 | 329 |
| 17                       | 1300                  | 975  | 780 | 650 | 557 | 488 | 1170                  | 878  | 702 | 585 | 501 | 439 | 1114                  | 836 | 669 | 557 | 478 | 418 | 975                   | 731 | 585 | 488 | 418 | 366 |
| 17,5                     | 1374                  | 1031 | 824 | 687 | 589 | 515 | 1237                  | 928  | 742 | 618 | 530 | 464 | 1178                  | 883 | 707 | 589 | 505 | 442 | 1031                  | 773 | 618 | 515 | 442 | 386 |
| 18                       | 1465                  | 1099 | 879 | 732 | 628 | 549 | 1318                  | 989  | 791 | 659 | 565 | 494 | 1256                  | 942 | 753 | 628 | 538 | 471 | 1099                  | 824 | 659 | 549 | 471 | 412 |
| 18,5                     | 1504                  | 1128 | 903 | 752 | 645 | 564 | 1354                  | 1015 | 812 | 677 | 580 | 508 | 1289                  | 967 | 774 | 645 | 553 | 483 | 1128                  | 846 | 677 | 564 | 483 | 423 |

LD I - Łopatka I długa  
LD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**NPK 5 - 10 - 25 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 5-10-25 z borem  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,16 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1,3           |     |     |     |     |     | ŁD II - 2,3           |     |     |     |     |     | ŁD II - 3             |     |     |     |     |     |
|                          | ŁK II - 4             |     |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 24                    | 18  | 14  | 12  | 10  | 9   | 23                    | 17  | 14  | 11  | 10  | 9   | 21                    | 16  | 13  | 11  | 9   | 8   |
| 4,5                      | 34                    | 26  | 21  | 17  | 15  | 13  | 33                    | 25  | 20  | 17  | 14  | 12  | 31                    | 23  | 19  | 16  | 13  | 12  |
| 5                        | 40                    | 30  | 24  | 20  | 17  | 15  | 38                    | 29  | 23  | 19  | 16  | 14  | 36                    | 27  | 21  | 18  | 15  | 13  |
| 5,5                      | 49                    | 37  | 29  | 25  | 21  | 18  | 47                    | 36  | 28  | 24  | 20  | 18  | 44                    | 33  | 27  | 22  | 19  | 17  |
| 6                        | 59                    | 44  | 35  | 30  | 25  | 22  | 57                    | 43  | 34  | 29  | 24  | 21  | 53                    | 40  | 32  | 27  | 23  | 20  |
| 6,5                      | 73                    | 55  | 44  | 37  | 31  | 27  | 71                    | 53  | 42  | 35  | 30  | 26  | 66                    | 49  | 39  | 33  | 28  | 25  |
| 7                        | 87                    | 66  | 52  | 44  | 37  | 33  | 84                    | 63  | 51  | 42  | 36  | 32  | 79                    | 59  | 47  | 39  | 34  | 30  |
| 7,5                      | 103                   | 78  | 62  | 52  | 44  | 39  | 100                   | 75  | 60  | 50  | 43  | 37  | 93                    | 70  | 56  | 47  | 40  | 35  |
| 8                        | 122                   | 91  | 73  | 61  | 52  | 46  | 117                   | 88  | 70  | 59  | 50  | 44  | 110                   | 82  | 66  | 55  | 47  | 41  |
| 8,5                      | 141                   | 105 | 84  | 70  | 60  | 53  | 136                   | 102 | 81  | 68  | 58  | 51  | 127                   | 95  | 76  | 63  | 54  | 47  |
| 9                        | 172                   | 129 | 103 | 86  | 74  | 65  | 166                   | 124 | 100 | 83  | 71  | 62  | 155                   | 116 | 93  | 77  | 66  | 58  |
| 9,5                      | 188                   | 141 | 113 | 94  | 81  | 71  | 182                   | 136 | 109 | 91  | 78  | 68  | 170                   | 127 | 102 | 85  | 73  | 64  |
| 10                       | 216                   | 162 | 130 | 108 | 93  | 81  | 209                   | 157 | 125 | 104 | 89  | 78  | 195                   | 146 | 117 | 97  | 83  | 73  |
| 10,5                     | 246                   | 184 | 147 | 123 | 105 | 92  | 237                   | 178 | 142 | 118 | 102 | 89  | 221                   | 166 | 133 | 111 | 95  | 83  |
| 11                       | 279                   | 209 | 167 | 139 | 120 | 105 | 269                   | 202 | 161 | 134 | 115 | 101 | 251                   | 188 | 151 | 126 | 108 | 94  |
| 11,5                     | 316                   | 237 | 190 | 158 | 135 | 119 | 305                   | 229 | 183 | 152 | 131 | 114 | 284                   | 213 | 171 | 142 | 122 | 107 |
| 12                       | 352                   | 264 | 211 | 176 | 151 | 132 | 339                   | 255 | 204 | 170 | 145 | 127 | 317                   | 238 | 190 | 158 | 136 | 119 |
| 12,5                     | 391                   | 294 | 235 | 196 | 168 | 147 | 377                   | 283 | 226 | 189 | 162 | 142 | 352                   | 264 | 211 | 176 | 151 | 132 |
| 13                       | 435                   | 327 | 261 | 218 | 187 | 163 | 420                   | 315 | 252 | 210 | 180 | 157 | 392                   | 294 | 235 | 196 | 168 | 147 |
| 13,5                     | 486                   | 365 | 292 | 243 | 208 | 182 | 469                   | 352 | 281 | 234 | 201 | 176 | 438                   | 328 | 263 | 219 | 188 | 164 |
| 14                       | 538                   | 404 | 323 | 269 | 231 | 202 | 519                   | 389 | 311 | 259 | 222 | 195 | 484                   | 363 | 291 | 242 | 208 | 182 |
| 14,5                     | 593                   | 445 | 356 | 297 | 254 | 223 | 572                   | 429 | 343 | 286 | 245 | 215 | 534                   | 401 | 320 | 267 | 229 | 200 |
| 15                       | 626                   | 469 | 376 | 313 | 268 | 235 | 604                   | 453 | 362 | 302 | 259 | 226 | 563                   | 422 | 338 | 282 | 241 | 211 |
| 15,5                     | 671                   | 503 | 403 | 336 | 288 | 252 | 647                   | 485 | 388 | 324 | 277 | 243 | 604                   | 453 | 363 | 302 | 259 | 227 |
| 16                       | 709                   | 532 | 426 | 355 | 304 | 266 | 684                   | 513 | 410 | 342 | 293 | 257 | 639                   | 479 | 383 | 319 | 274 | 239 |
| 16,5                     | 780                   | 585 | 468 | 390 | 334 | 293 | 752                   | 564 | 451 | 376 | 322 | 282 | 702                   | 527 | 421 | 351 | 301 | 263 |
| 17                       | 867                   | 650 | 520 | 433 | 371 | 325 | 836                   | 627 | 501 | 418 | 358 | 313 | 780                   | 585 | 468 | 390 | 334 | 293 |
| 17,5                     | 916                   | 687 | 550 | 458 | 393 | 344 | 883                   | 663 | 530 | 442 | 379 | 331 | 824                   | 618 | 495 | 412 | 353 | 309 |
| 18                       | 977                   | 732 | 586 | 488 | 419 | 366 | 942                   | 706 | 565 | 471 | 404 | 353 | 879                   | 659 | 527 | 439 | 377 | 330 |
| 18,5                     | 1003                  | 752 | 602 | 501 | 430 | 376 | 967                   | 725 | 580 | 483 | 414 | 363 | 903                   | 677 | 542 | 451 | 387 | 338 |

ŁD I - Łopaska I długa  
 ŁD II - Łopaska II długa  
 ŁK I - Łopaska I krótka  
 ŁK II - Łopaska II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**NPK 5 - 10 - 25 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 5-10-25 z borem  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,16 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy | Wysiew graniczny |                        |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 1,2                  | ŁK I - 3,3  | 540 obr/min | 10             | 90                 | 100              | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 15                | ŁD I - 1,4                  | ŁK I - 3,3  | 540 obr/min | 20             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
| 16                | ŁD I - 1,4                  | ŁK I - 4    | 540 obr/min | 30             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
| 18                | ŁD I - 2                    | ŁK I - 4    | 540 obr/min | 35             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
|                   | ŁD II - 1,1                 | ŁK II - 3,3 | 540 obr/min | 30             | 80                 | 80               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 20                | ŁD I - 3,3                  | ŁK I - 3,2  | 540 obr/min | 40             | 70                 | 80               | -2                     | -45%                     | 90                  | -2                     | -45%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 3,1 | 540 obr/min | 35             | 80                 | 90               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 21                | ŁD I - 3,3                  | ŁK I - 4    | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 90                  | -1                     | -25%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 3,2 | 540 obr/min | 35             | 80                 | 90               | -1                     | -25%                     | 100                 | -1,5                   | -35%                     | -                |
| 24                | ŁD I - 4                    | ŁK I - 4    | 540 obr/min | 40             | 70                 | 80               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
|                   | ŁD II - 3                   | ŁK II - 3   | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 100                 | -1,5                   | -35%                     | -                |
| 27                | ŁD II - 1,3                 | ŁK II - 4   | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 100                 | -1,5                   | -35%                     | -                |
| 28                | ŁD II - 2,3                 | ŁK II - 3,2 | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 90                  | -1,5                   | -35%                     | -                |
| 30                | ŁD II - 3                   | ŁK II - 3,2 | 540 obr/min | 45             | 60                 | 80               | -1                     | -25%                     | 90                  | -1,5                   | -35%                     | -                |
| 32                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                   | -                      | -                        | -                |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka





# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**NPK 4 - 12 - 12 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 4-12-12  
Klasa ziarnowa: frakcja 2-5,5mm, nie mniej niż 90%  
Gęstość nasypowa: 1,19 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |     |     | 15 m                  |      |      |     |     |     | 16 m                  |      |      |     |     |     | 18 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|------|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 1,2            |      |      |      |     |     | ŁD I - 1,4            |      |      |     |     |     | ŁD I - 1,4            |      |      |     |     |     | ŁD I - 2              |      |     |     |     |     |
|                          | ŁK I - 3,3            |      |      |      |     |     | ŁK I - 3,3            |      |      |     |     |     | ŁK I - 4              |      |      |     |     |     | ŁK I - 4              |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |     |     |                       |      |      |     |     |     |                       |      |      |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 53                    | 40   | 32   | 27   | 23  | 20  | 43                    | 32   | 26   | 21  | 18  | 16  | 40                    | 30   | 24   | 20  | 17  | 15  | 36                    | 27   | 21  | 18  | 15  | 13  |
| 4,5                      | 78                    | 58   | 47   | 39   | 33  | 29  | 62                    | 47   | 37   | 31  | 27  | 23  | 58                    | 44   | 35   | 29  | 25  | 22  | 52                    | 39   | 31  | 26  | 22  | 19  |
| 5                        | 89                    | 67   | 53   | 45   | 38  | 33  | 71                    | 53   | 43   | 36  | 31  | 27  | 67                    | 50   | 40   | 33  | 29  | 25  | 59                    | 45   | 36  | 30  | 25  | 22  |
| 5,5                      | 111                   | 83   | 66   | 55   | 47  | 41  | 88                    | 66   | 53   | 44  | 38  | 33  | 83                    | 62   | 50   | 41  | 36  | 31  | 74                    | 55   | 44  | 37  | 32  | 28  |
| 6                        | 133                   | 100  | 80   | 67   | 57  | 50  | 106                   | 80   | 64   | 53  | 46  | 40  | 100                   | 75   | 60   | 50  | 43  | 37  | 89                    | 67   | 53  | 44  | 38  | 33  |
| 6,5                      | 165                   | 123  | 99   | 82   | 71  | 62  | 132                   | 99   | 79   | 66  | 56  | 49  | 123                   | 93   | 74   | 62  | 53  | 46  | 110                   | 82   | 66  | 55  | 47  | 41  |
| 7                        | 197                   | 148  | 118  | 98   | 84  | 74  | 157                   | 118  | 94   | 79  | 67  | 59  | 148                   | 111  | 89   | 74  | 63  | 55  | 131                   | 98   | 79  | 66  | 56  | 49  |
| 7,5                      | 233                   | 175  | 140  | 116  | 100 | 87  | 186                   | 140  | 112  | 93  | 80  | 70  | 175                   | 131  | 105  | 87  | 75  | 65  | 155                   | 116  | 93  | 78  | 67  | 58  |
| 8                        | 274                   | 206  | 164  | 137  | 117 | 103 | 219                   | 164  | 132  | 110 | 94  | 82  | 206                   | 154  | 123  | 103 | 88  | 77  | 183                   | 137  | 110 | 91  | 78  | 69  |
| 8,5                      | 316                   | 237  | 190  | 158  | 136 | 119 | 253                   | 190  | 152  | 127 | 108 | 95  | 237                   | 178  | 142  | 119 | 102 | 89  | 211                   | 158  | 127 | 105 | 90  | 79  |
| 9                        | 387                   | 290  | 232  | 194  | 166 | 145 | 310                   | 232  | 186  | 155 | 133 | 116 | 290                   | 218  | 174  | 145 | 124 | 109 | 258                   | 194  | 155 | 129 | 111 | 97  |
| 9,5                      | 424                   | 318  | 254  | 212  | 182 | 159 | 339                   | 254  | 204  | 170 | 145 | 127 | 318                   | 239  | 191  | 159 | 136 | 119 | 283                   | 212  | 170 | 141 | 121 | 106 |
| 10                       | 487                   | 365  | 292  | 243  | 209 | 183 | 390                   | 292  | 234  | 195 | 167 | 146 | 365                   | 274  | 219  | 183 | 157 | 137 | 325                   | 243  | 195 | 162 | 139 | 122 |
| 10,5                     | 553                   | 415  | 332  | 276  | 237 | 207 | 442                   | 332  | 265  | 221 | 190 | 166 | 415                   | 311  | 249  | 207 | 178 | 155 | 369                   | 276  | 221 | 184 | 158 | 138 |
| 11                       | 628                   | 471  | 377  | 314  | 269 | 235 | 502                   | 377  | 301  | 251 | 215 | 188 | 471                   | 353  | 282  | 235 | 202 | 176 | 418                   | 314  | 251 | 209 | 179 | 157 |
| 11,5                     | 711                   | 533  | 427  | 356  | 305 | 267 | 569                   | 427  | 341  | 284 | 244 | 213 | 533                   | 400  | 320  | 267 | 229 | 200 | 474                   | 356  | 284 | 237 | 203 | 178 |
| 12                       | 792                   | 594  | 475  | 396  | 339 | 297 | 634                   | 475  | 380  | 317 | 272 | 238 | 594                   | 446  | 356  | 297 | 255 | 223 | 528                   | 396  | 317 | 264 | 226 | 198 |
| 12,5                     | 881                   | 661  | 528  | 440  | 377 | 330 | 705                   | 528  | 423  | 352 | 302 | 264 | 661                   | 495  | 396  | 330 | 283 | 248 | 587                   | 440  | 352 | 294 | 252 | 220 |
| 13                       | 980                   | 735  | 588  | 490  | 420 | 367 | 784                   | 588  | 470  | 392 | 336 | 294 | 735                   | 551  | 441  | 367 | 315 | 276 | 653                   | 490  | 392 | 327 | 280 | 245 |
| 13,5                     | 961                   | 721  | 576  | 480  | 412 | 360 | 769                   | 576  | 461  | 384 | 329 | 288 | 721                   | 540  | 432  | 360 | 309 | 270 | 641                   | 480  | 384 | 320 | 275 | 240 |
| 14                       | 1211                  | 908  | 727  | 605  | 519 | 454 | 969                   | 727  | 581  | 484 | 415 | 363 | 908                   | 681  | 545  | 454 | 389 | 341 | 807                   | 605  | 484 | 404 | 346 | 303 |
| 14,5                     | 1335                  | 1001 | 801  | 668  | 572 | 501 | 1068                  | 801  | 641  | 534 | 458 | 401 | 1001                  | 751  | 601  | 501 | 429 | 375 | 890                   | 668  | 534 | 445 | 381 | 334 |
| 15                       | 1408                  | 1056 | 845  | 704  | 604 | 528 | 1127                  | 845  | 676  | 563 | 483 | 422 | 1056                  | 792  | 634  | 528 | 453 | 396 | 939                   | 704  | 563 | 469 | 402 | 352 |
| 15,5                     | 1510                  | 1133 | 906  | 755  | 647 | 566 | 1208                  | 906  | 725  | 604 | 518 | 453 | 1133                  | 850  | 680  | 566 | 485 | 425 | 1007                  | 755  | 604 | 503 | 432 | 378 |
| 16                       | 1596                  | 1197 | 958  | 798  | 684 | 599 | 1277                  | 958  | 766  | 639 | 547 | 479 | 1197                  | 898  | 718  | 599 | 513 | 449 | 1064                  | 798  | 639 | 532 | 456 | 399 |
| 16,5                     | 1755                  | 1316 | 1053 | 878  | 752 | 658 | 1404                  | 1053 | 842  | 702 | 602 | 527 | 1316                  | 987  | 790  | 658 | 564 | 494 | 1170                  | 878  | 702 | 585 | 501 | 439 |
| 17                       | 1950                  | 1463 | 1170 | 975  | 836 | 731 | 1560                  | 1170 | 936  | 780 | 669 | 585 | 1463                  | 1097 | 878  | 731 | 627 | 548 | 1300                  | 975  | 780 | 650 | 557 | 488 |
| 17,5                     | 2061                  | 1546 | 1237 | 1031 | 883 | 773 | 1649                  | 1237 | 989  | 824 | 707 | 618 | 1546                  | 1159 | 928  | 773 | 663 | 580 | 1374                  | 1031 | 824 | 687 | 589 | 515 |
| 18                       | 2197                  | 1648 | 1318 | 1099 | 942 | 824 | 1758                  | 1318 | 1055 | 879 | 753 | 659 | 1648                  | 1236 | 989  | 824 | 706 | 618 | 1465                  | 1099 | 879 | 732 | 628 | 549 |
| 18,5                     | 2256                  | 1692 | 1354 | 1128 | 967 | 846 | 1805                  | 1354 | 1083 | 903 | 774 | 677 | 1692                  | 1269 | 1015 | 846 | 725 | 635 | 1504                  | 1128 | 903 | 752 | 645 | 564 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka





# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



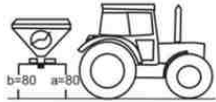
**NPK 4 - 12 - 12 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 4-12-12  
Klasa ziarnowa: frakcja 2-5,5mm, nie mniej niż 90%  
Gęstość nasypowa: 1,19 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |      |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 3,3            |      |     |     |     |     | ŁD I - 3,3            |     |     |     |     |     | ŁD I - 4              |     |     |     |     |     |
|                          | ŁK I - 3,2            |      |     |     |     |     | ŁK I - 4              |     |     |     |     |     | ŁK I - 4              |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 32                    | 24   | 19  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  | 27                    | 20  | 16  | 13  | 11  | 10  |
| 4,5                      | 47                    | 35   | 28  | 23  | 20  | 17  | 44                    | 33  | 27  | 22  | 19  | 17  | 39                    | 29  | 23  | 19  | 17  | 15  |
| 5                        | 53                    | 40   | 32  | 27  | 23  | 20  | 51                    | 38  | 31  | 25  | 22  | 19  | 45                    | 33  | 27  | 22  | 19  | 17  |
| 5,5                      | 66                    | 50   | 40  | 33  | 28  | 25  | 63                    | 47  | 38  | 32  | 27  | 24  | 55                    | 41  | 33  | 28  | 24  | 21  |
| 6                        | 80                    | 60   | 48  | 40  | 34  | 30  | 76                    | 57  | 46  | 38  | 33  | 29  | 67                    | 50  | 40  | 33  | 29  | 25  |
| 6,5                      | 99                    | 74   | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 118                   | 89   | 71  | 59  | 51  | 44  | 112                   | 84  | 67  | 56  | 48  | 42  | 98                    | 74  | 59  | 49  | 42  | 37  |
| 7,5                      | 140                   | 105  | 84  | 70  | 60  | 52  | 133                   | 100 | 80  | 67  | 57  | 50  | 116                   | 87  | 70  | 58  | 50  | 44  |
| 8                        | 164                   | 123  | 99  | 82  | 70  | 62  | 157                   | 117 | 94  | 78  | 67  | 59  | 137                   | 103 | 82  | 69  | 59  | 51  |
| 8,5                      | 190                   | 142  | 114 | 95  | 81  | 71  | 181                   | 136 | 108 | 90  | 77  | 68  | 158                   | 119 | 95  | 79  | 68  | 59  |
| 9                        | 232                   | 174  | 139 | 116 | 100 | 87  | 221                   | 166 | 133 | 111 | 95  | 83  | 194                   | 145 | 116 | 97  | 83  | 73  |
| 9,5                      | 254                   | 191  | 153 | 127 | 109 | 95  | 242                   | 182 | 145 | 121 | 104 | 91  | 212                   | 159 | 127 | 106 | 91  | 80  |
| 10                       | 292                   | 219  | 175 | 146 | 125 | 110 | 278                   | 209 | 167 | 139 | 119 | 104 | 243                   | 183 | 146 | 122 | 104 | 91  |
| 10,5                     | 332                   | 249  | 199 | 166 | 142 | 124 | 316                   | 237 | 190 | 158 | 135 | 118 | 276                   | 207 | 166 | 138 | 118 | 104 |
| 11                       | 377                   | 282  | 226 | 188 | 161 | 141 | 359                   | 269 | 215 | 179 | 154 | 134 | 314                   | 235 | 188 | 157 | 134 | 118 |
| 11,5                     | 427                   | 320  | 256 | 213 | 183 | 160 | 406                   | 305 | 244 | 203 | 174 | 152 | 356                   | 267 | 213 | 178 | 152 | 133 |
| 12                       | 475                   | 356  | 285 | 238 | 204 | 178 | 453                   | 339 | 272 | 226 | 194 | 170 | 396                   | 297 | 238 | 198 | 170 | 149 |
| 12,5                     | 528                   | 396  | 317 | 264 | 226 | 198 | 503                   | 377 | 302 | 252 | 216 | 189 | 440                   | 330 | 264 | 220 | 189 | 165 |
| 13                       | 588                   | 441  | 353 | 294 | 252 | 220 | 560                   | 420 | 336 | 280 | 240 | 210 | 490                   | 367 | 294 | 245 | 210 | 184 |
| 13,5                     | 576                   | 432  | 346 | 288 | 247 | 216 | 549                   | 412 | 329 | 275 | 235 | 206 | 480                   | 360 | 288 | 240 | 206 | 180 |
| 14                       | 727                   | 545  | 436 | 363 | 311 | 272 | 692                   | 519 | 415 | 346 | 297 | 259 | 605                   | 454 | 363 | 303 | 259 | 227 |
| 14,5                     | 801                   | 601  | 481 | 401 | 343 | 300 | 763                   | 572 | 458 | 381 | 327 | 286 | 668                   | 501 | 401 | 334 | 286 | 250 |
| 15                       | 845                   | 634  | 507 | 422 | 362 | 317 | 805                   | 604 | 483 | 402 | 345 | 302 | 704                   | 528 | 422 | 352 | 302 | 264 |
| 15,5                     | 906                   | 680  | 544 | 453 | 388 | 340 | 863                   | 647 | 518 | 432 | 370 | 324 | 755                   | 566 | 453 | 378 | 324 | 283 |
| 16                       | 958                   | 718  | 575 | 479 | 410 | 359 | 912                   | 684 | 547 | 456 | 391 | 342 | 798                   | 599 | 479 | 399 | 342 | 299 |
| 16,5                     | 1053                  | 790  | 632 | 527 | 451 | 395 | 1003                  | 752 | 602 | 501 | 430 | 376 | 878                   | 658 | 527 | 439 | 376 | 329 |
| 17                       | 1170                  | 878  | 702 | 585 | 501 | 439 | 1114                  | 836 | 669 | 557 | 478 | 418 | 975                   | 731 | 585 | 488 | 418 | 366 |
| 17,5                     | 1237                  | 928  | 742 | 618 | 530 | 464 | 1178                  | 883 | 707 | 589 | 505 | 442 | 1031                  | 773 | 618 | 515 | 442 | 386 |
| 18                       | 1318                  | 989  | 791 | 659 | 565 | 494 | 1256                  | 942 | 753 | 628 | 538 | 471 | 1099                  | 824 | 659 | 549 | 471 | 412 |
| 18,5                     | 1354                  | 1015 | 812 | 677 | 580 | 508 | 1289                  | 967 | 774 | 645 | 553 | 483 | 1128                  | 846 | 677 | 564 | 483 | 423 |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatkii II



**NPK 4 - 12 - 12 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 4-12-12  
Klasa ziarnowa: frakcja 2-5,5mm, nie mniej niż 90%  
Gęstość nasypowa: 1,19 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |     |     |     |     | 20 m                  |      |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | LD II - 1,1           |      |     |     |     |     | LD II - 2             |      |     |     |     |     | LD II - 2             |     |     |     |     |     | LD II - 3             |     |     |     |     |     |
|                          | ŁK II - 3,3           |      |     |     |     |     | ŁK II - 3,1           |      |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     | ŁK II - 3             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 36                    | 27   | 21  | 18  | 15  | 13  | 32                    | 24   | 19  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  | 27                    | 20  | 16  | 13  | 11  | 10  |
| 4,5                      | 52                    | 39   | 31  | 26  | 22  | 19  | 47                    | 35   | 28  | 23  | 20  | 17  | 44                    | 33  | 27  | 22  | 19  | 17  | 39                    | 29  | 23  | 19  | 17  | 15  |
| 5                        | 59                    | 45   | 36  | 30  | 25  | 22  | 53                    | 40   | 32  | 27  | 23  | 20  | 51                    | 38  | 31  | 25  | 22  | 19  | 45                    | 33  | 27  | 22  | 19  | 17  |
| 5,5                      | 74                    | 55   | 44  | 37  | 32  | 28  | 66                    | 50   | 40  | 33  | 28  | 25  | 63                    | 47  | 38  | 32  | 27  | 24  | 55                    | 41  | 33  | 28  | 24  | 21  |
| 6                        | 89                    | 67   | 53  | 44  | 38  | 33  | 80                    | 60   | 48  | 40  | 34  | 30  | 76                    | 57  | 46  | 38  | 33  | 29  | 67                    | 50  | 40  | 33  | 29  | 25  |
| 6,5                      | 110                   | 82   | 66  | 55  | 47  | 41  | 99                    | 74   | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 131                   | 98   | 79  | 66  | 56  | 49  | 118                   | 89   | 71  | 59  | 51  | 44  | 112                   | 84  | 67  | 56  | 48  | 42  | 98                    | 74  | 59  | 49  | 42  | 37  |
| 7,5                      | 155                   | 116  | 93  | 78  | 67  | 58  | 140                   | 105  | 84  | 70  | 60  | 52  | 133                   | 100 | 80  | 67  | 57  | 50  | 116                   | 87  | 70  | 58  | 50  | 44  |
| 8                        | 183                   | 137  | 110 | 91  | 78  | 69  | 164                   | 123  | 99  | 82  | 70  | 62  | 157                   | 117 | 94  | 78  | 67  | 59  | 137                   | 103 | 82  | 69  | 59  | 51  |
| 8,5                      | 211                   | 158  | 127 | 105 | 90  | 79  | 190                   | 142  | 114 | 95  | 81  | 71  | 181                   | 136 | 108 | 90  | 77  | 68  | 158                   | 119 | 95  | 79  | 68  | 59  |
| 9                        | 258                   | 194  | 155 | 129 | 111 | 97  | 232                   | 174  | 139 | 116 | 100 | 87  | 221                   | 166 | 133 | 111 | 95  | 83  | 194                   | 145 | 116 | 97  | 83  | 73  |
| 9,5                      | 283                   | 212  | 170 | 141 | 121 | 106 | 254                   | 191  | 153 | 127 | 109 | 95  | 242                   | 182 | 145 | 121 | 104 | 91  | 212                   | 159 | 127 | 106 | 91  | 80  |
| 10                       | 325                   | 243  | 195 | 162 | 139 | 122 | 292                   | 219  | 175 | 146 | 125 | 110 | 278                   | 209 | 167 | 139 | 119 | 104 | 243                   | 183 | 146 | 122 | 104 | 91  |
| 10,5                     | 369                   | 276  | 221 | 184 | 158 | 138 | 332                   | 249  | 199 | 166 | 142 | 124 | 316                   | 237 | 190 | 158 | 135 | 118 | 276                   | 207 | 166 | 138 | 118 | 104 |
| 11                       | 418                   | 314  | 251 | 209 | 179 | 157 | 377                   | 282  | 226 | 188 | 161 | 141 | 359                   | 269 | 215 | 179 | 154 | 134 | 314                   | 235 | 188 | 157 | 134 | 118 |
| 11,5                     | 474                   | 356  | 284 | 237 | 203 | 178 | 427                   | 320  | 256 | 213 | 183 | 160 | 406                   | 305 | 244 | 203 | 174 | 152 | 356                   | 267 | 213 | 178 | 152 | 133 |
| 12                       | 528                   | 396  | 317 | 264 | 226 | 198 | 475                   | 356  | 285 | 238 | 204 | 178 | 453                   | 339 | 272 | 226 | 194 | 170 | 396                   | 297 | 238 | 198 | 170 | 149 |
| 12,5                     | 587                   | 440  | 352 | 294 | 252 | 220 | 528                   | 396  | 317 | 264 | 226 | 198 | 503                   | 377 | 302 | 252 | 216 | 189 | 440                   | 330 | 264 | 220 | 189 | 165 |
| 13                       | 653                   | 490  | 392 | 327 | 280 | 245 | 588                   | 441  | 353 | 294 | 252 | 220 | 560                   | 420 | 336 | 280 | 240 | 210 | 490                   | 367 | 294 | 245 | 210 | 184 |
| 13,5                     | 641                   | 480  | 384 | 320 | 275 | 240 | 576                   | 432  | 346 | 288 | 247 | 216 | 549                   | 412 | 329 | 275 | 235 | 206 | 480                   | 360 | 288 | 240 | 206 | 180 |
| 14                       | 807                   | 605  | 484 | 404 | 346 | 303 | 727                   | 545  | 436 | 363 | 311 | 272 | 692                   | 519 | 415 | 346 | 297 | 259 | 605                   | 454 | 363 | 303 | 259 | 227 |
| 14,5                     | 890                   | 668  | 534 | 445 | 381 | 334 | 801                   | 601  | 481 | 401 | 343 | 300 | 763                   | 572 | 458 | 381 | 327 | 286 | 668                   | 501 | 401 | 334 | 286 | 250 |
| 15                       | 939                   | 704  | 563 | 469 | 402 | 352 | 845                   | 634  | 507 | 422 | 362 | 317 | 805                   | 604 | 483 | 402 | 345 | 302 | 704                   | 528 | 422 | 352 | 302 | 264 |
| 15,5                     | 1007                  | 755  | 604 | 503 | 432 | 378 | 906                   | 680  | 544 | 453 | 388 | 340 | 863                   | 647 | 518 | 432 | 370 | 324 | 755                   | 566 | 453 | 378 | 324 | 283 |
| 16                       | 1064                  | 798  | 639 | 532 | 456 | 399 | 958                   | 718  | 575 | 479 | 410 | 359 | 912                   | 684 | 547 | 456 | 391 | 342 | 798                   | 599 | 479 | 399 | 342 | 299 |
| 16,5                     | 1170                  | 878  | 702 | 585 | 501 | 439 | 1053                  | 790  | 632 | 527 | 451 | 395 | 1003                  | 752 | 602 | 501 | 430 | 376 | 878                   | 658 | 527 | 439 | 376 | 329 |
| 17                       | 1300                  | 975  | 780 | 650 | 557 | 488 | 1170                  | 878  | 702 | 585 | 501 | 439 | 1114                  | 836 | 669 | 557 | 478 | 418 | 975                   | 731 | 585 | 488 | 418 | 366 |
| 17,5                     | 1374                  | 1031 | 824 | 687 | 589 | 515 | 1237                  | 928  | 742 | 618 | 530 | 464 | 1178                  | 883 | 707 | 589 | 505 | 442 | 1031                  | 773 | 618 | 515 | 442 | 386 |
| 18                       | 1465                  | 1099 | 879 | 732 | 628 | 549 | 1318                  | 989  | 791 | 659 | 565 | 494 | 1256                  | 942 | 753 | 628 | 538 | 471 | 1099                  | 824 | 659 | 549 | 471 | 412 |
| 18,5                     | 1504                  | 1128 | 903 | 752 | 645 | 564 | 1354                  | 1015 | 812 | 677 | 580 | 508 | 1289                  | 967 | 774 | 645 | 553 | 483 | 1128                  | 846 | 677 | 564 | 483 | 423 |

LD I - Łopatkii I długa  
LD II - Łopatkii II długa  
ŁK I - Łopatkii I krótka  
ŁK II - Łopatkii II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**NPK 4 - 12 - 12 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 4-12-12  
 Klasa ziarnowa: frakcja 2-5,5mm, nie mniej niż 90%  
 Gęstość nasypowa: 1,19 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1,3           |     |     |     |     |     | ŁD II - 2,3           |     |     |     |     |     | ŁD II - 3             |     |     |     |     |     |
|                          | ŁK II - 4             |     |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 24                    | 18  | 14  | 12  | 10  | 9   | 23                    | 17  | 14  | 11  | 10  | 9   | 21                    | 16  | 13  | 11  | 9   | 8   |
| 4,5                      | 34                    | 26  | 21  | 17  | 15  | 13  | 33                    | 25  | 20  | 17  | 14  | 12  | 31                    | 23  | 19  | 16  | 13  | 12  |
| 5                        | 40                    | 30  | 24  | 20  | 17  | 15  | 38                    | 29  | 23  | 19  | 16  | 14  | 36                    | 27  | 21  | 18  | 15  | 13  |
| 5,5                      | 49                    | 37  | 29  | 25  | 21  | 18  | 47                    | 36  | 28  | 24  | 20  | 18  | 44                    | 33  | 27  | 22  | 19  | 17  |
| 6                        | 59                    | 44  | 35  | 30  | 25  | 22  | 57                    | 43  | 34  | 29  | 24  | 21  | 53                    | 40  | 32  | 27  | 23  | 20  |
| 6,5                      | 73                    | 55  | 44  | 37  | 31  | 27  | 71                    | 53  | 42  | 35  | 30  | 26  | 66                    | 49  | 39  | 33  | 28  | 25  |
| 7                        | 87                    | 66  | 52  | 44  | 37  | 33  | 84                    | 63  | 51  | 42  | 36  | 32  | 79                    | 59  | 47  | 39  | 34  | 30  |
| 7,5                      | 103                   | 78  | 62  | 52  | 44  | 39  | 100                   | 75  | 60  | 50  | 43  | 37  | 93                    | 70  | 56  | 47  | 40  | 35  |
| 8                        | 122                   | 91  | 73  | 61  | 52  | 46  | 117                   | 88  | 70  | 59  | 50  | 44  | 110                   | 82  | 66  | 55  | 47  | 41  |
| 8,5                      | 141                   | 105 | 84  | 70  | 60  | 53  | 136                   | 102 | 81  | 68  | 58  | 51  | 127                   | 95  | 76  | 63  | 54  | 47  |
| 9                        | 172                   | 129 | 103 | 86  | 74  | 65  | 166                   | 124 | 100 | 83  | 71  | 62  | 155                   | 116 | 93  | 77  | 66  | 58  |
| 9,5                      | 188                   | 141 | 113 | 94  | 81  | 71  | 182                   | 136 | 109 | 91  | 78  | 68  | 170                   | 127 | 102 | 85  | 73  | 64  |
| 10                       | 216                   | 162 | 130 | 108 | 93  | 81  | 209                   | 157 | 125 | 104 | 89  | 78  | 195                   | 146 | 117 | 97  | 83  | 73  |
| 10,5                     | 246                   | 184 | 147 | 123 | 105 | 92  | 237                   | 178 | 142 | 118 | 102 | 89  | 221                   | 166 | 133 | 111 | 95  | 83  |
| 11                       | 279                   | 209 | 167 | 139 | 120 | 105 | 269                   | 202 | 161 | 134 | 115 | 101 | 251                   | 188 | 151 | 126 | 108 | 94  |
| 11,5                     | 316                   | 237 | 190 | 158 | 135 | 119 | 305                   | 229 | 183 | 152 | 131 | 114 | 284                   | 213 | 171 | 142 | 122 | 107 |
| 12                       | 352                   | 264 | 211 | 176 | 151 | 132 | 339                   | 255 | 204 | 170 | 145 | 127 | 317                   | 238 | 190 | 158 | 136 | 119 |
| 12,5                     | 391                   | 294 | 235 | 196 | 168 | 147 | 377                   | 283 | 226 | 189 | 162 | 142 | 352                   | 264 | 211 | 176 | 151 | 132 |
| 13                       | 435                   | 327 | 261 | 218 | 187 | 163 | 420                   | 315 | 252 | 210 | 180 | 157 | 392                   | 294 | 235 | 196 | 168 | 147 |
| 13,5                     | 427                   | 320 | 256 | 214 | 183 | 160 | 412                   | 309 | 247 | 206 | 176 | 154 | 384                   | 288 | 231 | 192 | 165 | 144 |
| 14                       | 538                   | 404 | 323 | 269 | 231 | 202 | 519                   | 389 | 311 | 259 | 222 | 195 | 484                   | 363 | 291 | 242 | 208 | 182 |
| 14,5                     | 593                   | 445 | 356 | 297 | 254 | 223 | 572                   | 429 | 343 | 286 | 245 | 215 | 534                   | 401 | 320 | 267 | 229 | 200 |
| 15                       | 626                   | 469 | 376 | 313 | 268 | 235 | 604                   | 453 | 362 | 302 | 259 | 226 | 563                   | 422 | 338 | 282 | 241 | 211 |
| 15,5                     | 671                   | 503 | 403 | 336 | 288 | 252 | 647                   | 485 | 388 | 324 | 277 | 243 | 604                   | 453 | 363 | 302 | 259 | 227 |
| 16                       | 709                   | 532 | 426 | 355 | 304 | 266 | 684                   | 513 | 410 | 342 | 293 | 257 | 639                   | 479 | 383 | 319 | 274 | 239 |
| 16,5                     | 780                   | 585 | 468 | 390 | 334 | 293 | 752                   | 564 | 451 | 376 | 322 | 282 | 702                   | 527 | 421 | 351 | 301 | 263 |
| 17                       | 867                   | 650 | 520 | 433 | 371 | 325 | 836                   | 627 | 501 | 418 | 358 | 313 | 780                   | 585 | 468 | 390 | 334 | 293 |
| 17,5                     | 916                   | 687 | 550 | 458 | 393 | 344 | 883                   | 663 | 530 | 442 | 379 | 331 | 824                   | 618 | 495 | 412 | 353 | 309 |
| 18                       | 977                   | 732 | 586 | 488 | 419 | 366 | 942                   | 706 | 565 | 471 | 404 | 353 | 879                   | 659 | 527 | 439 | 377 | 330 |
| 18,5                     | 1003                  | 752 | 602 | 501 | 430 | 376 | 967                   | 725 | 580 | 483 | 414 | 363 | 903                   | 677 | 542 | 451 | 387 | 338 |

ŁD I - Łopaska I długa  
 ŁD II - Łopaska II długa  
 ŁK I - Łopaska I krótka  
 ŁK II - Łopaska II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**NPK 4 - 12 - 12 Amofoska**

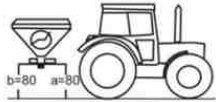
**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formula nawozu: NPK 4-12-12  
Klasa ziarnowa: frakcja 2-5,5mm, nie mniej niż 90%  
Gęstość nasypowa: 1,19 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy |                  | Wysiew graniczny       |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 1,2                  | ŁK I - 3,3  | 540 obr/min | 10             | 90                 | 100              | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 15                | ŁD I - 1,4                  | ŁK I - 3,3  | 540 obr/min | 20             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
| 16                | ŁD I - 1,4                  | ŁK I - 4    | 540 obr/min | 30             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
| 18                | ŁD I - 2                    | ŁK I - 4    | 540 obr/min | 35             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
|                   | ŁD II - 1,1                 | ŁK II - 3,3 | 540 obr/min | 30             | 80                 | 80               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 20                | ŁD I - 3,3                  | ŁK I - 3,2  | 540 obr/min | 40             | 70                 | 80               | -2                     | -45%                     | 90                  | -2                     | -45%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 3,1 | 540 obr/min | 35             | 80                 | 90               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 21                | ŁD I - 3,3                  | ŁK I - 4    | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 90                  | -1                     | -25%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 3,2 | 540 obr/min | 35             | 80                 | 90               | -1                     | -25%                     | 100                 | -1,5                   | -35%                     | -                |
| 24                | ŁD I - 4                    | ŁK I - 4    | 540 obr/min | 40             | 70                 | 80               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
|                   | ŁD II - 3                   | ŁK II - 3   | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 100                 | -1,5                   | -35%                     | -                |
| 27                | ŁD II - 1,3                 | ŁK II - 4   | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 100                 | -1,5                   | -35%                     | -                |
| 28                | ŁD II - 2,3                 | ŁK II - 3,2 | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 90                  | -1,5                   | -35%                     | -                |
| 30                | ŁD II - 3                   | ŁK II - 3,2 | 540 obr/min | 45             | 60                 | 80               | -1                     | -25%                     | 90                  | -1,5                   | -35%                     | -                |
| 32                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                   | -                      | -                        | -                |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka





# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**NPK 4 - 12 - 20 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 4-12-20  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,19 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |     |     | 15 m                  |      |      |     |     |     | 16 m                  |      |      |     |     |     | 18 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|------|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 1,2            |      |      |      |     |     | ŁD I - 1,4            |      |      |     |     |     | ŁD I - 1,4            |      |      |     |     |     | ŁD I - 2              |      |     |     |     |     |
|                          | ŁK I - 3,3            |      |      |      |     |     | ŁK I - 3,3            |      |      |     |     |     | ŁK I - 4              |      |      |     |     |     | ŁK I - 4              |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |     |     |                       |      |      |     |     |     |                       |      |      |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 53                    | 40   | 32   | 27   | 23  | 20  | 43                    | 32   | 26   | 21  | 18  | 16  | 40                    | 30   | 24   | 20  | 17  | 15  | 36                    | 27   | 21  | 18  | 15  | 13  |
| 4,5                      | 78                    | 58   | 47   | 39   | 33  | 29  | 62                    | 47   | 37   | 31  | 27  | 23  | 58                    | 44   | 35   | 29  | 25  | 22  | 52                    | 39   | 31  | 26  | 22  | 19  |
| 5                        | 89                    | 67   | 53   | 45   | 38  | 33  | 71                    | 53   | 43   | 36  | 31  | 27  | 67                    | 50   | 40   | 33  | 29  | 25  | 59                    | 45   | 36  | 30  | 25  | 22  |
| 5,5                      | 111                   | 83   | 66   | 55   | 47  | 41  | 88                    | 66   | 53   | 44  | 38  | 33  | 83                    | 62   | 50   | 41  | 36  | 31  | 74                    | 55   | 44  | 37  | 32  | 28  |
| 6                        | 133                   | 100  | 80   | 67   | 57  | 50  | 106                   | 80   | 64   | 53  | 46  | 40  | 100                   | 75   | 60   | 50  | 43  | 37  | 89                    | 67   | 53  | 44  | 38  | 33  |
| 6,5                      | 165                   | 123  | 99   | 82   | 71  | 62  | 132                   | 99   | 79   | 66  | 56  | 49  | 123                   | 93   | 74   | 62  | 53  | 46  | 110                   | 82   | 66  | 55  | 47  | 41  |
| 7                        | 197                   | 148  | 118  | 98   | 84  | 74  | 157                   | 118  | 94   | 79  | 67  | 59  | 148                   | 111  | 89   | 74  | 63  | 55  | 131                   | 98   | 79  | 66  | 56  | 49  |
| 7,5                      | 233                   | 175  | 140  | 116  | 100 | 87  | 186                   | 140  | 112  | 93  | 80  | 70  | 175                   | 131  | 105  | 87  | 75  | 65  | 155                   | 116  | 93  | 78  | 67  | 58  |
| 8                        | 274                   | 206  | 164  | 137  | 117 | 103 | 219                   | 164  | 132  | 110 | 94  | 82  | 206                   | 154  | 123  | 103 | 88  | 77  | 183                   | 137  | 110 | 91  | 78  | 69  |
| 8,5                      | 316                   | 237  | 190  | 158  | 136 | 119 | 253                   | 190  | 152  | 127 | 108 | 95  | 237                   | 178  | 142  | 119 | 102 | 89  | 211                   | 158  | 127 | 105 | 90  | 79  |
| 9                        | 387                   | 290  | 232  | 194  | 166 | 145 | 310                   | 232  | 186  | 155 | 133 | 116 | 290                   | 218  | 174  | 145 | 124 | 109 | 258                   | 194  | 155 | 129 | 111 | 97  |
| 9,5                      | 424                   | 318  | 254  | 212  | 182 | 159 | 339                   | 254  | 204  | 170 | 145 | 127 | 318                   | 239  | 191  | 159 | 136 | 119 | 283                   | 212  | 170 | 141 | 121 | 106 |
| 10                       | 487                   | 365  | 292  | 243  | 209 | 183 | 390                   | 292  | 234  | 195 | 167 | 146 | 365                   | 274  | 219  | 183 | 157 | 137 | 325                   | 243  | 195 | 162 | 139 | 122 |
| 10,5                     | 553                   | 415  | 332  | 276  | 237 | 207 | 442                   | 332  | 265  | 221 | 190 | 166 | 415                   | 311  | 249  | 207 | 178 | 155 | 369                   | 276  | 221 | 184 | 158 | 138 |
| 11                       | 628                   | 471  | 377  | 314  | 269 | 235 | 502                   | 377  | 301  | 251 | 215 | 188 | 471                   | 353  | 282  | 235 | 202 | 176 | 418                   | 314  | 251 | 209 | 179 | 157 |
| 11,5                     | 711                   | 533  | 427  | 356  | 305 | 267 | 569                   | 427  | 341  | 284 | 244 | 213 | 533                   | 400  | 320  | 267 | 229 | 200 | 474                   | 356  | 284 | 237 | 203 | 178 |
| 12                       | 792                   | 594  | 475  | 396  | 339 | 297 | 634                   | 475  | 380  | 317 | 272 | 238 | 594                   | 446  | 356  | 297 | 255 | 223 | 528                   | 396  | 317 | 264 | 226 | 198 |
| 12,5                     | 881                   | 661  | 528  | 440  | 377 | 330 | 705                   | 528  | 423  | 352 | 302 | 264 | 661                   | 495  | 396  | 330 | 283 | 248 | 587                   | 440  | 352 | 294 | 252 | 220 |
| 13                       | 980                   | 735  | 588  | 490  | 420 | 367 | 784                   | 588  | 470  | 392 | 336 | 294 | 735                   | 551  | 441  | 367 | 315 | 276 | 653                   | 490  | 392 | 327 | 280 | 245 |
| 13,5                     | 1094                  | 821  | 656  | 547  | 469 | 410 | 875                   | 656  | 525  | 438 | 375 | 328 | 821                   | 615  | 492  | 410 | 352 | 308 | 729                   | 547  | 438 | 365 | 313 | 274 |
| 14                       | 1211                  | 908  | 727  | 605  | 519 | 454 | 969                   | 727  | 581  | 484 | 415 | 363 | 908                   | 681  | 545  | 454 | 389 | 341 | 807                   | 605  | 484 | 404 | 346 | 303 |
| 14,5                     | 1335                  | 1001 | 801  | 668  | 572 | 501 | 1068                  | 801  | 641  | 534 | 458 | 401 | 1001                  | 751  | 601  | 501 | 429 | 375 | 890                   | 668  | 534 | 445 | 381 | 334 |
| 15                       | 1408                  | 1056 | 845  | 704  | 604 | 528 | 1127                  | 845  | 676  | 563 | 483 | 422 | 1056                  | 792  | 634  | 528 | 453 | 396 | 939                   | 704  | 563 | 469 | 402 | 352 |
| 15,5                     | 1510                  | 1133 | 906  | 755  | 647 | 566 | 1208                  | 906  | 725  | 604 | 518 | 453 | 1133                  | 850  | 680  | 566 | 485 | 425 | 1007                  | 755  | 604 | 503 | 432 | 378 |
| 16                       | 1596                  | 1197 | 958  | 798  | 684 | 599 | 1277                  | 958  | 766  | 639 | 547 | 479 | 1197                  | 898  | 718  | 599 | 513 | 449 | 1064                  | 798  | 639 | 532 | 456 | 399 |
| 16,5                     | 1755                  | 1316 | 1053 | 878  | 752 | 658 | 1404                  | 1053 | 842  | 702 | 602 | 527 | 1316                  | 987  | 790  | 658 | 564 | 494 | 1170                  | 878  | 702 | 585 | 501 | 439 |
| 17                       | 1950                  | 1463 | 1170 | 975  | 836 | 731 | 1560                  | 1170 | 936  | 780 | 669 | 585 | 1463                  | 1097 | 878  | 731 | 627 | 548 | 1300                  | 975  | 780 | 650 | 557 | 488 |
| 17,5                     | 2061                  | 1546 | 1237 | 1031 | 883 | 773 | 1649                  | 1237 | 989  | 824 | 707 | 618 | 1546                  | 1159 | 928  | 773 | 663 | 580 | 1374                  | 1031 | 824 | 687 | 589 | 515 |
| 18                       | 2197                  | 1648 | 1318 | 1099 | 942 | 824 | 1758                  | 1318 | 1055 | 879 | 753 | 659 | 1648                  | 1236 | 989  | 824 | 706 | 618 | 1465                  | 1099 | 879 | 732 | 628 | 549 |
| 18,5                     | 2256                  | 1692 | 1354 | 1128 | 967 | 846 | 1805                  | 1354 | 1083 | 903 | 774 | 677 | 1692                  | 1269 | 1015 | 846 | 725 | 635 | 1504                  | 1128 | 903 | 752 | 645 | 564 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**NPK 4 - 12 - 20 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 4-12-20  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,19 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |      |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 3,3            |      |     |     |     |     | ŁD I - 3,3            |     |     |     |     |     | ŁD I - 4              |     |     |     |     |     |
|                          | ŁK I - 3,2            |      |     |     |     |     | ŁK I - 4              |     |     |     |     |     | ŁK I - 4              |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 32                    | 24   | 19  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  | 27                    | 20  | 16  | 13  | 11  | 10  |
| 4,5                      | 47                    | 35   | 28  | 23  | 20  | 17  | 44                    | 33  | 27  | 22  | 19  | 17  | 39                    | 29  | 23  | 19  | 17  | 15  |
| 5                        | 53                    | 40   | 32  | 27  | 23  | 20  | 51                    | 38  | 31  | 25  | 22  | 19  | 45                    | 33  | 27  | 22  | 19  | 17  |
| 5,5                      | 66                    | 50   | 40  | 33  | 28  | 25  | 63                    | 47  | 38  | 32  | 27  | 24  | 55                    | 41  | 33  | 28  | 24  | 21  |
| 6                        | 80                    | 60   | 48  | 40  | 34  | 30  | 76                    | 57  | 46  | 38  | 33  | 29  | 67                    | 50  | 40  | 33  | 29  | 25  |
| 6,5                      | 99                    | 74   | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 118                   | 89   | 71  | 59  | 51  | 44  | 112                   | 84  | 67  | 56  | 48  | 42  | 98                    | 74  | 59  | 49  | 42  | 37  |
| 7,5                      | 140                   | 105  | 84  | 70  | 60  | 52  | 133                   | 100 | 80  | 67  | 57  | 50  | 116                   | 87  | 70  | 58  | 50  | 44  |
| 8                        | 164                   | 123  | 99  | 82  | 70  | 62  | 157                   | 117 | 94  | 78  | 67  | 59  | 137                   | 103 | 82  | 69  | 59  | 51  |
| 8,5                      | 190                   | 142  | 114 | 95  | 81  | 71  | 181                   | 136 | 108 | 90  | 77  | 68  | 158                   | 119 | 95  | 79  | 68  | 59  |
| 9                        | 232                   | 174  | 139 | 116 | 100 | 87  | 221                   | 166 | 133 | 111 | 95  | 83  | 194                   | 145 | 116 | 97  | 83  | 73  |
| 9,5                      | 254                   | 191  | 153 | 127 | 109 | 95  | 242                   | 182 | 145 | 121 | 104 | 91  | 212                   | 159 | 127 | 106 | 91  | 80  |
| 10                       | 292                   | 219  | 175 | 146 | 125 | 110 | 278                   | 209 | 167 | 139 | 119 | 104 | 243                   | 183 | 146 | 122 | 104 | 91  |
| 10,5                     | 332                   | 249  | 199 | 166 | 142 | 124 | 316                   | 237 | 190 | 158 | 135 | 118 | 276                   | 207 | 166 | 138 | 118 | 104 |
| 11                       | 377                   | 282  | 226 | 188 | 161 | 141 | 359                   | 269 | 215 | 179 | 154 | 134 | 314                   | 235 | 188 | 157 | 134 | 118 |
| 11,5                     | 427                   | 320  | 256 | 213 | 183 | 160 | 406                   | 305 | 244 | 203 | 174 | 152 | 356                   | 267 | 213 | 178 | 152 | 133 |
| 12                       | 475                   | 356  | 285 | 238 | 204 | 178 | 453                   | 339 | 272 | 226 | 194 | 170 | 396                   | 297 | 238 | 198 | 170 | 149 |
| 12,5                     | 528                   | 396  | 317 | 264 | 226 | 198 | 503                   | 377 | 302 | 252 | 216 | 189 | 440                   | 330 | 264 | 220 | 189 | 165 |
| 13                       | 588                   | 441  | 353 | 294 | 252 | 220 | 560                   | 420 | 336 | 280 | 240 | 210 | 490                   | 367 | 294 | 245 | 210 | 184 |
| 13,5                     | 656                   | 492  | 394 | 328 | 281 | 246 | 625                   | 469 | 375 | 313 | 268 | 234 | 547                   | 410 | 328 | 274 | 234 | 205 |
| 14                       | 727                   | 545  | 436 | 363 | 311 | 272 | 692                   | 519 | 415 | 346 | 297 | 259 | 605                   | 454 | 363 | 303 | 259 | 227 |
| 14,5                     | 801                   | 601  | 481 | 401 | 343 | 300 | 763                   | 572 | 458 | 381 | 327 | 286 | 668                   | 501 | 401 | 334 | 286 | 250 |
| 15                       | 845                   | 634  | 507 | 422 | 362 | 317 | 805                   | 604 | 483 | 402 | 345 | 302 | 704                   | 528 | 422 | 352 | 302 | 264 |
| 15,5                     | 906                   | 680  | 544 | 453 | 388 | 340 | 863                   | 647 | 518 | 432 | 370 | 324 | 755                   | 566 | 453 | 378 | 324 | 283 |
| 16                       | 958                   | 718  | 575 | 479 | 410 | 359 | 912                   | 684 | 547 | 456 | 391 | 342 | 798                   | 599 | 479 | 399 | 342 | 299 |
| 16,5                     | 1053                  | 790  | 632 | 527 | 451 | 395 | 1003                  | 752 | 602 | 501 | 430 | 376 | 878                   | 658 | 527 | 439 | 376 | 329 |
| 17                       | 1170                  | 878  | 702 | 585 | 501 | 439 | 1114                  | 836 | 669 | 557 | 478 | 418 | 975                   | 731 | 585 | 488 | 418 | 366 |
| 17,5                     | 1237                  | 928  | 742 | 618 | 530 | 464 | 1178                  | 883 | 707 | 589 | 505 | 442 | 1031                  | 773 | 618 | 515 | 442 | 386 |
| 18                       | 1318                  | 989  | 791 | 659 | 565 | 494 | 1256                  | 942 | 753 | 628 | 538 | 471 | 1099                  | 824 | 659 | 549 | 471 | 412 |
| 18,5                     | 1354                  | 1015 | 812 | 677 | 580 | 508 | 1289                  | 967 | 774 | 645 | 553 | 483 | 1128                  | 846 | 677 | 564 | 483 | 423 |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**NPK 4 - 12 - 20 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 4-12-20  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,19 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |     |     |     |     | 20 m                  |      |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | LD II - 1,1           |      |     |     |     |     | LD II - 2             |      |     |     |     |     | LD II - 2             |     |     |     |     |     | LD II - 3             |     |     |     |     |     |
|                          | ŁK II - 3,3           |      |     |     |     |     | ŁK II - 3,1           |      |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     | ŁK II - 3             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 36                    | 27   | 21  | 18  | 15  | 13  | 32                    | 24   | 19  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  | 27                    | 20  | 16  | 13  | 11  | 10  |
| 4,5                      | 52                    | 39   | 31  | 26  | 22  | 19  | 47                    | 35   | 28  | 23  | 20  | 17  | 44                    | 33  | 27  | 22  | 19  | 17  | 39                    | 29  | 23  | 19  | 17  | 15  |
| 5                        | 59                    | 45   | 36  | 30  | 25  | 22  | 53                    | 40   | 32  | 27  | 23  | 20  | 51                    | 38  | 31  | 25  | 22  | 19  | 45                    | 33  | 27  | 22  | 19  | 17  |
| 5,5                      | 74                    | 55   | 44  | 37  | 32  | 28  | 66                    | 50   | 40  | 33  | 28  | 25  | 63                    | 47  | 38  | 32  | 27  | 24  | 55                    | 41  | 33  | 28  | 24  | 21  |
| 6                        | 89                    | 67   | 53  | 44  | 38  | 33  | 80                    | 60   | 48  | 40  | 34  | 30  | 76                    | 57  | 46  | 38  | 33  | 29  | 67                    | 50  | 40  | 33  | 29  | 25  |
| 6,5                      | 110                   | 82   | 66  | 55  | 47  | 41  | 99                    | 74   | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 131                   | 98   | 79  | 66  | 56  | 49  | 118                   | 89   | 71  | 59  | 51  | 44  | 112                   | 84  | 67  | 56  | 48  | 42  | 98                    | 74  | 59  | 49  | 42  | 37  |
| 7,5                      | 155                   | 116  | 93  | 78  | 67  | 58  | 140                   | 105  | 84  | 70  | 60  | 52  | 133                   | 100 | 80  | 67  | 57  | 50  | 116                   | 87  | 70  | 58  | 50  | 44  |
| 8                        | 183                   | 137  | 110 | 91  | 78  | 69  | 164                   | 123  | 99  | 82  | 70  | 62  | 157                   | 117 | 94  | 78  | 67  | 59  | 137                   | 103 | 82  | 69  | 59  | 51  |
| 8,5                      | 211                   | 158  | 127 | 105 | 90  | 79  | 190                   | 142  | 114 | 95  | 81  | 71  | 181                   | 136 | 108 | 90  | 77  | 68  | 158                   | 119 | 95  | 79  | 68  | 59  |
| 9                        | 258                   | 194  | 155 | 129 | 111 | 97  | 232                   | 174  | 139 | 116 | 100 | 87  | 221                   | 166 | 133 | 111 | 95  | 83  | 194                   | 145 | 116 | 97  | 83  | 73  |
| 9,5                      | 283                   | 212  | 170 | 141 | 121 | 106 | 254                   | 191  | 153 | 127 | 109 | 95  | 242                   | 182 | 145 | 121 | 104 | 91  | 212                   | 159 | 127 | 106 | 91  | 80  |
| 10                       | 325                   | 243  | 195 | 162 | 139 | 122 | 292                   | 219  | 175 | 146 | 125 | 110 | 278                   | 209 | 167 | 139 | 119 | 104 | 243                   | 183 | 146 | 122 | 104 | 91  |
| 10,5                     | 369                   | 276  | 221 | 184 | 158 | 138 | 332                   | 249  | 199 | 166 | 142 | 124 | 316                   | 237 | 190 | 158 | 135 | 118 | 276                   | 207 | 166 | 138 | 118 | 104 |
| 11                       | 418                   | 314  | 251 | 209 | 179 | 157 | 377                   | 282  | 226 | 188 | 161 | 141 | 359                   | 269 | 215 | 179 | 154 | 134 | 314                   | 235 | 188 | 157 | 134 | 118 |
| 11,5                     | 474                   | 356  | 284 | 237 | 203 | 178 | 427                   | 320  | 256 | 213 | 183 | 160 | 406                   | 305 | 244 | 203 | 174 | 152 | 356                   | 267 | 213 | 178 | 152 | 133 |
| 12                       | 528                   | 396  | 317 | 264 | 226 | 198 | 475                   | 356  | 285 | 238 | 204 | 178 | 453                   | 339 | 272 | 226 | 194 | 170 | 396                   | 297 | 238 | 198 | 170 | 149 |
| 12,5                     | 587                   | 440  | 352 | 294 | 252 | 220 | 528                   | 396  | 317 | 264 | 226 | 198 | 503                   | 377 | 302 | 252 | 216 | 189 | 440                   | 330 | 264 | 220 | 189 | 165 |
| 13                       | 653                   | 490  | 392 | 327 | 280 | 245 | 588                   | 441  | 353 | 294 | 252 | 220 | 560                   | 420 | 336 | 280 | 240 | 210 | 490                   | 367 | 294 | 245 | 210 | 184 |
| 13,5                     | 641                   | 480  | 384 | 320 | 275 | 240 | 576                   | 432  | 346 | 288 | 247 | 216 | 549                   | 412 | 329 | 275 | 235 | 206 | 480                   | 360 | 288 | 240 | 206 | 180 |
| 14                       | 807                   | 605  | 484 | 404 | 346 | 303 | 727                   | 545  | 436 | 363 | 311 | 272 | 692                   | 519 | 415 | 346 | 297 | 259 | 605                   | 454 | 363 | 303 | 259 | 227 |
| 14,5                     | 890                   | 668  | 534 | 445 | 381 | 334 | 801                   | 601  | 481 | 401 | 343 | 300 | 763                   | 572 | 458 | 381 | 327 | 286 | 668                   | 501 | 401 | 334 | 286 | 250 |
| 15                       | 939                   | 704  | 563 | 469 | 402 | 352 | 845                   | 634  | 507 | 422 | 362 | 317 | 805                   | 604 | 483 | 402 | 345 | 302 | 704                   | 528 | 422 | 352 | 302 | 264 |
| 15,5                     | 1007                  | 755  | 604 | 503 | 432 | 378 | 906                   | 680  | 544 | 453 | 388 | 340 | 863                   | 647 | 518 | 432 | 370 | 324 | 755                   | 566 | 453 | 378 | 324 | 283 |
| 16                       | 1025                  | 769  | 615 | 513 | 439 | 384 | 923                   | 692  | 554 | 461 | 395 | 346 | 879                   | 659 | 527 | 439 | 377 | 330 | 769                   | 577 | 461 | 384 | 330 | 288 |
| 16,5                     | 1145                  | 858  | 687 | 572 | 491 | 429 | 1030                  | 773  | 618 | 515 | 441 | 386 | 981                   | 736 | 589 | 491 | 420 | 368 | 858                   | 644 | 515 | 429 | 368 | 322 |
| 17                       | 1300                  | 975  | 780 | 650 | 557 | 488 | 1170                  | 878  | 702 | 585 | 501 | 439 | 1114                  | 836 | 669 | 557 | 478 | 418 | 975                   | 731 | 585 | 488 | 418 | 366 |
| 17,5                     | 1374                  | 1031 | 824 | 687 | 589 | 515 | 1237                  | 928  | 742 | 618 | 530 | 464 | 1178                  | 883 | 707 | 589 | 505 | 442 | 1031                  | 773 | 618 | 515 | 442 | 386 |
| 18                       | 1465                  | 1099 | 879 | 732 | 628 | 549 | 1318                  | 989  | 791 | 659 | 565 | 494 | 1256                  | 942 | 753 | 628 | 538 | 471 | 1099                  | 824 | 659 | 549 | 471 | 412 |
| 18,5                     | 1504                  | 1128 | 903 | 752 | 645 | 564 | 1354                  | 1015 | 812 | 677 | 580 | 508 | 1289                  | 967 | 774 | 645 | 553 | 483 | 1128                  | 846 | 677 | 564 | 483 | 423 |

LD I - Łopatka I długa  
LD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka





# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**NPK 4 - 12 - 20 Amofoska**

**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formuła nawozu: NPK 4-12-20  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,19 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1,3           |     |     |     |     |     | ŁD II - 2,3           |     |     |     |     |     | ŁD II - 3             |     |     |     |     |     |
|                          | ŁK II - 4             |     |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     | ŁK II - 3,2           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 24                    | 18  | 14  | 12  | 10  | 9   | 23                    | 17  | 14  | 11  | 10  | 9   | 21                    | 16  | 13  | 11  | 9   | 8   |
| 4,5                      | 34                    | 26  | 21  | 17  | 15  | 13  | 33                    | 25  | 20  | 17  | 14  | 12  | 31                    | 23  | 19  | 16  | 13  | 12  |
| 5                        | 40                    | 30  | 24  | 20  | 17  | 15  | 38                    | 29  | 23  | 19  | 16  | 14  | 36                    | 27  | 21  | 18  | 15  | 13  |
| 5,5                      | 49                    | 37  | 29  | 25  | 21  | 18  | 47                    | 36  | 28  | 24  | 20  | 18  | 44                    | 33  | 27  | 22  | 19  | 17  |
| 6                        | 59                    | 44  | 35  | 30  | 25  | 22  | 57                    | 43  | 34  | 29  | 24  | 21  | 53                    | 40  | 32  | 27  | 23  | 20  |
| 6,5                      | 73                    | 55  | 44  | 37  | 31  | 27  | 71                    | 53  | 42  | 35  | 30  | 26  | 66                    | 49  | 39  | 33  | 28  | 25  |
| 7                        | 87                    | 66  | 52  | 44  | 37  | 33  | 84                    | 63  | 51  | 42  | 36  | 32  | 79                    | 59  | 47  | 39  | 34  | 30  |
| 7,5                      | 103                   | 78  | 62  | 52  | 44  | 39  | 100                   | 75  | 60  | 50  | 43  | 37  | 93                    | 70  | 56  | 47  | 40  | 35  |
| 8                        | 122                   | 91  | 73  | 61  | 52  | 46  | 117                   | 88  | 70  | 59  | 50  | 44  | 110                   | 82  | 66  | 55  | 47  | 41  |
| 8,5                      | 141                   | 105 | 84  | 70  | 60  | 53  | 136                   | 102 | 81  | 68  | 58  | 51  | 127                   | 95  | 76  | 63  | 54  | 47  |
| 9                        | 172                   | 129 | 103 | 86  | 74  | 65  | 166                   | 124 | 100 | 83  | 71  | 62  | 155                   | 116 | 93  | 77  | 66  | 58  |
| 9,5                      | 188                   | 141 | 113 | 94  | 81  | 71  | 182                   | 136 | 109 | 91  | 78  | 68  | 170                   | 127 | 102 | 85  | 73  | 64  |
| 10                       | 216                   | 162 | 130 | 108 | 93  | 81  | 209                   | 157 | 125 | 104 | 89  | 78  | 195                   | 146 | 117 | 97  | 83  | 73  |
| 10,5                     | 246                   | 184 | 147 | 123 | 105 | 92  | 237                   | 178 | 142 | 118 | 102 | 89  | 221                   | 166 | 133 | 111 | 95  | 83  |
| 11                       | 279                   | 209 | 167 | 139 | 120 | 105 | 269                   | 202 | 161 | 134 | 115 | 101 | 251                   | 188 | 151 | 126 | 108 | 94  |
| 11,5                     | 316                   | 237 | 190 | 158 | 135 | 119 | 305                   | 229 | 183 | 152 | 131 | 114 | 284                   | 213 | 171 | 142 | 122 | 107 |
| 12                       | 352                   | 264 | 211 | 176 | 151 | 132 | 339                   | 255 | 204 | 170 | 145 | 127 | 317                   | 238 | 190 | 158 | 136 | 119 |
| 12,5                     | 391                   | 294 | 235 | 196 | 168 | 147 | 377                   | 283 | 226 | 189 | 162 | 142 | 352                   | 264 | 211 | 176 | 151 | 132 |
| 13                       | 435                   | 327 | 261 | 218 | 187 | 163 | 420                   | 315 | 252 | 210 | 180 | 157 | 392                   | 294 | 235 | 196 | 168 | 147 |
| 13,5                     | 427                   | 320 | 256 | 214 | 183 | 160 | 412                   | 309 | 247 | 206 | 176 | 154 | 384                   | 288 | 231 | 192 | 165 | 144 |
| 14                       | 538                   | 404 | 323 | 269 | 231 | 202 | 519                   | 389 | 311 | 259 | 222 | 195 | 484                   | 363 | 291 | 242 | 208 | 182 |
| 14,5                     | 593                   | 445 | 356 | 297 | 254 | 223 | 572                   | 429 | 343 | 286 | 245 | 215 | 534                   | 401 | 320 | 267 | 229 | 200 |
| 15                       | 626                   | 469 | 376 | 313 | 268 | 235 | 604                   | 453 | 362 | 302 | 259 | 226 | 563                   | 422 | 338 | 282 | 241 | 211 |
| 15,5                     | 671                   | 503 | 403 | 336 | 288 | 252 | 647                   | 485 | 388 | 324 | 277 | 243 | 604                   | 453 | 363 | 302 | 259 | 227 |
| 16                       | 684                   | 513 | 410 | 342 | 293 | 256 | 659                   | 494 | 395 | 330 | 282 | 247 | 615                   | 461 | 369 | 308 | 264 | 231 |
| 16,5                     | 763                   | 572 | 458 | 382 | 327 | 286 | 736                   | 552 | 441 | 368 | 315 | 276 | 687                   | 515 | 412 | 343 | 294 | 258 |
| 17                       | 867                   | 650 | 520 | 433 | 371 | 325 | 836                   | 627 | 501 | 418 | 358 | 313 | 780                   | 585 | 468 | 390 | 334 | 293 |
| 17,5                     | 916                   | 687 | 550 | 458 | 393 | 344 | 883                   | 663 | 530 | 442 | 379 | 331 | 824                   | 618 | 495 | 412 | 353 | 309 |
| 18                       | 977                   | 732 | 586 | 488 | 419 | 366 | 942                   | 706 | 565 | 471 | 404 | 353 | 879                   | 659 | 527 | 439 | 377 | 330 |
| 18,5                     | 1003                  | 752 | 602 | 501 | 430 | 376 | 967                   | 725 | 580 | 483 | 414 | 363 | 903                   | 677 | 542 | 451 | 387 | 338 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**NPK 4 - 12 - 20 Amofoska**

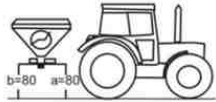
**Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.**

Formula nawozu: NPK 4-12-20  
Klasa ziarnowa: frakcja 2-5,5 mm, nie mniej niż 90%  
Gęstość nasypowa: 1,19 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy |                  | Wysiew graniczny       |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 1,2                  | ŁK I - 3,3  | 540 obr/min | 10             | 90                 | 100              | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 15                | ŁD I - 1,4                  | ŁK I - 3,3  | 540 obr/min | 20             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
| 16                | ŁD I - 1,4                  | ŁK I - 4    | 540 obr/min | 30             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
| 18                | ŁD I - 2                    | ŁK I - 4    | 540 obr/min | 35             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
|                   | ŁD II - 1,1                 | ŁK II - 3,3 | 540 obr/min | 30             | 80                 | 80               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 20                | ŁD I - 3,3                  | ŁK I - 3,2  | 540 obr/min | 40             | 70                 | 80               | -2                     | -45%                     | 90                  | -2                     | -45%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 3,1 | 540 obr/min | 35             | 80                 | 90               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 21                | ŁD I - 3,3                  | ŁK I - 4    | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 90                  | -1                     | -25%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 3,2 | 540 obr/min | 35             | 80                 | 90               | -1                     | -25%                     | 100                 | -1,5                   | -35%                     | -                |
| 24                | ŁD I - 4                    | ŁK I - 4    | 540 obr/min | 40             | 70                 | 80               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
|                   | ŁD II - 3                   | ŁK II - 3   | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 100                 | -1,5                   | -35%                     | -                |
| 27                | ŁD II - 1,3                 | ŁK II - 4   | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 100                 | -1,5                   | -35%                     | -                |
| 28                | ŁD II - 2,3                 | ŁK II - 3,2 | 540 obr/min | 40             | 70                 | 80               | -1                     | -25%                     | 90                  | -1,5                   | -35%                     | -                |
| 30                | ŁD II - 3                   | ŁK II - 3,2 | 540 obr/min | 45             | 60                 | 80               | -1                     | -25%                     | 90                  | -1,5                   | -35%                     | -                |
| 32                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                   | -                      | -                        | -                |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka





# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



### Super Fos Dar 40

Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.

Formuła nawozu: P2O5 (CaO) 25(10)  
Klasa ziarnowa: frakcja 2-5,5mm, nie mniej niż 90%  
Gęstość nasypowa: 1,21 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |      |     | 15 m                  |      |      |     |     |     | 16 m                  |      |      |     |     |     | 18 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|------|------|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 0,4            |      |      |      |      |     | ŁD I - 1,2            |      |      |     |     |     | ŁD I - 1,2            |      |      |     |     |     | ŁD I - 1,4            |      |     |     |     |     |
|                          | ŁK I - 3,1            |      |      |      |      |     | ŁK I - 3,3            |      |      |     |     |     | ŁK I - 3,4            |      |      |     |     |     | ŁK I - 3,3            |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |      |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |      |     |                       |      |      |     |     |     |                       |      |      |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |      |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14   | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 75                    | 56   | 45   | 38   | 32   | 28  | 60                    | 45   | 36   | 30  | 26  | 23  | 56                    | 42   | 34   | 28  | 24  | 21  | 50                    | 38   | 30  | 25  | 22  | 19  |
| 4,5                      | 93                    | 70   | 56   | 47   | 40   | 35  | 74                    | 56   | 45   | 37  | 32  | 28  | 70                    | 52   | 42   | 35  | 30  | 26  | 62                    | 47   | 37  | 31  | 27  | 23  |
| 5                        | 115                   | 86   | 69   | 57   | 49   | 43  | 92                    | 69   | 55   | 46  | 39  | 34  | 86                    | 65   | 52   | 43  | 37  | 32  | 77                    | 57   | 46  | 38  | 33  | 29  |
| 5,5                      | 141                   | 106  | 85   | 71   | 60   | 53  | 113                   | 85   | 68   | 56  | 48  | 42  | 106                   | 79   | 63   | 53  | 45  | 40  | 94                    | 71   | 56  | 47  | 40  | 35  |
| 6                        | 173                   | 130  | 104  | 87   | 74   | 65  | 139                   | 104  | 83   | 69  | 59  | 52  | 130                   | 97   | 78   | 65  | 56  | 49  | 115                   | 87   | 69  | 58  | 49  | 43  |
| 6,5                      | 201                   | 151  | 121  | 101  | 86   | 75  | 161                   | 121  | 97   | 80  | 69  | 60  | 151                   | 113  | 91   | 75  | 65  | 57  | 134                   | 101  | 80  | 67  | 57  | 50  |
| 7                        | 240                   | 180  | 144  | 120  | 103  | 90  | 192                   | 144  | 115  | 96  | 82  | 72  | 180                   | 135  | 108  | 90  | 77  | 68  | 160                   | 120  | 96  | 80  | 69  | 60  |
| 7,5                      | 295                   | 221  | 177  | 147  | 126  | 111 | 236                   | 177  | 141  | 118 | 101 | 88  | 221                   | 166  | 133  | 111 | 95  | 83  | 196                   | 147  | 118 | 98  | 84  | 74  |
| 8                        | 333                   | 250  | 200  | 167  | 143  | 125 | 266                   | 200  | 160  | 133 | 114 | 100 | 250                   | 187  | 150  | 125 | 107 | 94  | 222                   | 167  | 133 | 111 | 95  | 83  |
| 8,5                      | 385                   | 289  | 231  | 192  | 165  | 144 | 308                   | 231  | 185  | 154 | 132 | 115 | 289                   | 216  | 173  | 144 | 124 | 108 | 257                   | 192  | 154 | 128 | 110 | 96  |
| 9                        | 446                   | 335  | 268  | 223  | 191  | 167 | 357                   | 268  | 214  | 178 | 153 | 134 | 335                   | 251  | 201  | 167 | 143 | 125 | 297                   | 223  | 178 | 149 | 127 | 112 |
| 9,5                      | 510                   | 383  | 306  | 255  | 219  | 191 | 408                   | 306  | 245  | 204 | 175 | 153 | 383                   | 287  | 230  | 191 | 164 | 143 | 340                   | 255  | 204 | 170 | 146 | 128 |
| 10                       | 579                   | 434  | 347  | 290  | 248  | 217 | 463                   | 347  | 278  | 232 | 199 | 174 | 434                   | 326  | 261  | 217 | 186 | 163 | 386                   | 290  | 232 | 193 | 165 | 145 |
| 10,5                     | 626                   | 469  | 375  | 313  | 268  | 235 | 500                   | 375  | 300  | 250 | 214 | 188 | 469                   | 352  | 282  | 235 | 201 | 176 | 417                   | 313  | 250 | 209 | 179 | 156 |
| 11                       | 715                   | 537  | 429  | 358  | 307  | 268 | 572                   | 429  | 343  | 286 | 245 | 215 | 537                   | 402  | 322  | 268 | 230 | 201 | 477                   | 358  | 286 | 238 | 204 | 179 |
| 11,5                     | 809                   | 607  | 485  | 404  | 347  | 303 | 647                   | 485  | 388  | 324 | 277 | 243 | 607                   | 455  | 364  | 303 | 260 | 227 | 539                   | 404  | 324 | 270 | 231 | 202 |
| 12                       | 897                   | 673  | 538  | 449  | 385  | 337 | 718                   | 538  | 431  | 359 | 308 | 269 | 673                   | 505  | 404  | 337 | 288 | 252 | 598                   | 449  | 359 | 299 | 256 | 224 |
| 12,5                     | 1001                  | 751  | 601  | 501  | 429  | 376 | 801                   | 601  | 481  | 401 | 343 | 300 | 751                   | 563  | 451  | 376 | 322 | 282 | 668                   | 501  | 401 | 334 | 286 | 250 |
| 13                       | 1102                  | 826  | 661  | 551  | 472  | 413 | 881                   | 661  | 529  | 441 | 378 | 331 | 826                   | 620  | 496  | 413 | 354 | 310 | 735                   | 551  | 441 | 367 | 315 | 275 |
| 13,5                     | 1213                  | 910  | 728  | 606  | 520  | 455 | 970                   | 728  | 582  | 485 | 416 | 364 | 910                   | 682  | 546  | 455 | 390 | 341 | 808                   | 606  | 485 | 404 | 346 | 303 |
| 14                       | 1344                  | 1008 | 806  | 672  | 576  | 504 | 1075                  | 806  | 645  | 538 | 461 | 403 | 1008                  | 756  | 605  | 504 | 432 | 378 | 896                   | 672  | 538 | 448 | 384 | 336 |
| 14,5                     | 1474                  | 1105 | 884  | 737  | 632  | 553 | 1179                  | 884  | 707  | 590 | 505 | 442 | 1105                  | 829  | 663  | 553 | 474 | 415 | 983                   | 737  | 590 | 491 | 421 | 368 |
| 15                       | 1615                  | 1212 | 969  | 808  | 692  | 606 | 1292                  | 969  | 775  | 646 | 554 | 485 | 1212                  | 909  | 727  | 606 | 519 | 454 | 1077                  | 808  | 646 | 538 | 462 | 404 |
| 15,5                     | 1761                  | 1321 | 1057 | 880  | 755  | 660 | 1409                  | 1057 | 845  | 704 | 604 | 528 | 1321                  | 990  | 792  | 660 | 566 | 495 | 1174                  | 880  | 704 | 587 | 503 | 440 |
| 16                       | 1950                  | 1462 | 1170 | 975  | 836  | 731 | 1560                  | 1170 | 936  | 780 | 669 | 585 | 1462                  | 1097 | 877  | 731 | 627 | 548 | 1300                  | 975  | 780 | 650 | 557 | 487 |
| 16,5                     | 2133                  | 1600 | 1280 | 1066 | 914  | 800 | 1706                  | 1280 | 1024 | 853 | 731 | 640 | 1600                  | 1200 | 960  | 800 | 686 | 600 | 1422                  | 1066 | 853 | 711 | 609 | 533 |
| 17                       | 2294                  | 1720 | 1376 | 1147 | 983  | 860 | 1835                  | 1376 | 1101 | 918 | 786 | 688 | 1720                  | 1290 | 1032 | 860 | 737 | 645 | 1529                  | 1147 | 918 | 765 | 655 | 573 |
| 17,5                     | 2437                  | 1828 | 1462 | 1218 | 1044 | 914 | 1949                  | 1462 | 1170 | 975 | 835 | 731 | 1828                  | 1371 | 1097 | 914 | 783 | 685 | 1624                  | 1218 | 975 | 812 | 696 | 609 |
| 18                       | 2470                  | 1852 | 1482 | 1235 | 1058 | 926 | 1976                  | 1482 | 1185 | 988 | 847 | 741 | 1852                  | 1389 | 1111 | 926 | 794 | 695 | 1646                  | 1235 | 988 | 823 | 706 | 617 |
| 18,5                     | 2476                  | 1857 | 1485 | 1238 | 1061 | 928 | 1981                  | 1485 | 1188 | 990 | 849 | 743 | 1857                  | 1393 | 1114 | 928 | 796 | 696 | 1651                  | 1238 | 990 | 825 | 707 | 619 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



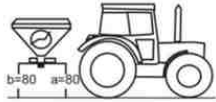
### Super Fos Dar 40

Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.

Formuła nawozu: P2O5 (CaO) 25(10)  
 Klasa ziarnowa: frakcja 2-5,5mm, nie mniej niż 90%  
 Gęstość nasypowa: 1,21 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |      |     |     |     |     | 21 m                  |      |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 2              |      |     |     |     |     | ŁD I - 2,1            |      |     |     |     |     | ŁD I - 3              |     |     |     |     |     |
|                          | ŁK I - 3,4            |      |     |     |     |     | ŁK I - 3,4            |      |     |     |     |     | ŁK I - 2,2            |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |      |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 45                    | 34   | 27  | 23  | 19  | 17  | 43                    | 32   | 26  | 22  | 18  | 16  | 38                    | 28  | 23  | 19  | 16  | 14  |
| 4,5                      | 56                    | 42   | 34  | 28  | 24  | 21  | 53                    | 40   | 32  | 27  | 23  | 20  | 47                    | 35  | 28  | 23  | 20  | 17  |
| 5                        | 69                    | 52   | 41  | 34  | 30  | 26  | 66                    | 49   | 39  | 33  | 28  | 25  | 57                    | 43  | 34  | 29  | 25  | 22  |
| 5,5                      | 85                    | 63   | 51  | 42  | 36  | 32  | 81                    | 60   | 48  | 40  | 35  | 30  | 71                    | 53  | 42  | 35  | 30  | 26  |
| 6                        | 104                   | 78   | 62  | 52  | 45  | 39  | 99                    | 74   | 59  | 49  | 42  | 37  | 87                    | 65  | 52  | 43  | 37  | 32  |
| 6,5                      | 121                   | 91   | 72  | 60  | 52  | 45  | 115                   | 86   | 69  | 57  | 49  | 43  | 101                   | 75  | 60  | 50  | 43  | 38  |
| 7                        | 144                   | 108  | 87  | 72  | 62  | 54  | 137                   | 103  | 82  | 69  | 59  | 52  | 120                   | 90  | 72  | 60  | 52  | 45  |
| 7,5                      | 177                   | 133  | 106 | 88  | 76  | 66  | 168                   | 126  | 101 | 84  | 72  | 63  | 147                   | 111 | 88  | 74  | 63  | 55  |
| 8                        | 200                   | 150  | 120 | 100 | 86  | 75  | 190                   | 143  | 114 | 95  | 82  | 71  | 167                   | 125 | 100 | 83  | 71  | 62  |
| 8,5                      | 231                   | 173  | 139 | 115 | 99  | 87  | 220                   | 165  | 132 | 110 | 94  | 82  | 192                   | 144 | 115 | 96  | 82  | 72  |
| 9                        | 268                   | 201  | 161 | 134 | 115 | 100 | 255                   | 191  | 153 | 127 | 109 | 96  | 223                   | 167 | 134 | 112 | 96  | 84  |
| 9,5                      | 306                   | 230  | 184 | 153 | 131 | 115 | 291                   | 219  | 175 | 146 | 125 | 109 | 255                   | 191 | 153 | 128 | 109 | 96  |
| 10                       | 347                   | 261  | 208 | 174 | 149 | 130 | 331                   | 248  | 199 | 165 | 142 | 124 | 290                   | 217 | 174 | 145 | 124 | 109 |
| 10,5                     | 375                   | 282  | 225 | 188 | 161 | 141 | 357                   | 268  | 214 | 179 | 153 | 134 | 313                   | 235 | 188 | 156 | 134 | 117 |
| 11                       | 429                   | 322  | 258 | 215 | 184 | 161 | 409                   | 307  | 245 | 204 | 175 | 153 | 358                   | 268 | 215 | 179 | 153 | 134 |
| 11,5                     | 485                   | 364  | 291 | 243 | 208 | 182 | 462                   | 347  | 277 | 231 | 198 | 173 | 404                   | 303 | 243 | 202 | 173 | 152 |
| 12                       | 538                   | 404  | 323 | 269 | 231 | 202 | 513                   | 385  | 308 | 256 | 220 | 192 | 449                   | 337 | 269 | 224 | 192 | 168 |
| 12,5                     | 601                   | 451  | 361 | 300 | 258 | 225 | 572                   | 429  | 343 | 286 | 245 | 215 | 501                   | 376 | 300 | 250 | 215 | 188 |
| 13                       | 661                   | 496  | 397 | 331 | 283 | 248 | 630                   | 472  | 378 | 315 | 270 | 236 | 551                   | 413 | 331 | 275 | 236 | 207 |
| 13,5                     | 728                   | 546  | 437 | 364 | 312 | 273 | 693                   | 520  | 416 | 346 | 297 | 260 | 606                   | 455 | 364 | 303 | 260 | 227 |
| 14                       | 806                   | 605  | 484 | 403 | 346 | 302 | 768                   | 576  | 461 | 384 | 329 | 288 | 672                   | 504 | 403 | 336 | 288 | 252 |
| 14,5                     | 884                   | 663  | 531 | 442 | 379 | 332 | 842                   | 632  | 505 | 421 | 361 | 316 | 737                   | 553 | 442 | 368 | 316 | 276 |
| 15                       | 969                   | 727  | 582 | 485 | 415 | 363 | 923                   | 692  | 554 | 462 | 396 | 346 | 808                   | 606 | 485 | 404 | 346 | 303 |
| 15,5                     | 1057                  | 792  | 634 | 528 | 453 | 396 | 1006                  | 755  | 604 | 503 | 431 | 377 | 880                   | 660 | 528 | 440 | 377 | 330 |
| 16                       | 1170                  | 877  | 702 | 585 | 501 | 439 | 1114                  | 836  | 669 | 557 | 478 | 418 | 975                   | 731 | 585 | 487 | 418 | 366 |
| 16,5                     | 1280                  | 960  | 768 | 640 | 548 | 480 | 1219                  | 914  | 731 | 609 | 522 | 457 | 1066                  | 800 | 640 | 533 | 457 | 400 |
| 17                       | 1376                  | 1032 | 826 | 688 | 590 | 516 | 1311                  | 983  | 786 | 655 | 562 | 492 | 1147                  | 860 | 688 | 573 | 492 | 430 |
| 17,5                     | 1462                  | 1097 | 877 | 731 | 627 | 548 | 1392                  | 1044 | 835 | 696 | 597 | 522 | 1218                  | 914 | 731 | 609 | 522 | 457 |
| 18                       | 1482                  | 1111 | 889 | 741 | 635 | 556 | 1411                  | 1058 | 847 | 706 | 605 | 529 | 1235                  | 926 | 741 | 617 | 529 | 463 |
| 18,5                     | 1485                  | 1114 | 891 | 743 | 637 | 557 | 1415                  | 1061 | 849 | 707 | 606 | 531 | 1238                  | 928 | 743 | 619 | 531 | 464 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



### Super Fos Dar 40

Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.

Formuła nawozu: P2O5 (CaO) 25(10)  
Klasa ziarnowa: frakcja 2-5,5mm, nie mniej niż 90%  
Gęstość nasypowa: 1,21 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |     |     |     |     | 20 m                  |      |     |     |     |     | 21 m                  |      |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 0,1           |      |     |     |     |     | ŁD II - 0,1           |      |     |     |     |     | ŁD II - 0,2           |      |     |     |     |     | ŁD II - 0,3           |     |     |     |     |     |
|                          | ŁK II - 0,3           |      |     |     |     |     | ŁK II - 1             |      |     |     |     |     | ŁK II - 1,2           |      |     |     |     |     | ŁK II - 2,2           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |      |     |     |     |     |                       |      |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 50                    | 38   | 30  | 25  | 22  | 19  | 45                    | 34   | 27  | 23  | 19  | 17  | 43                    | 32   | 26  | 22  | 18  | 16  | 38                    | 28  | 23  | 19  | 16  | 14  |
| 4,5                      | 62                    | 47   | 37  | 31  | 27  | 23  | 56                    | 42   | 34  | 28  | 24  | 21  | 53                    | 40   | 32  | 27  | 23  | 20  | 47                    | 35  | 28  | 23  | 20  | 17  |
| 5                        | 77                    | 57   | 46  | 38  | 33  | 29  | 69                    | 52   | 41  | 34  | 30  | 26  | 66                    | 49   | 39  | 33  | 28  | 25  | 57                    | 43  | 34  | 29  | 25  | 22  |
| 5,5                      | 94                    | 71   | 56  | 47  | 40  | 35  | 85                    | 63   | 51  | 42  | 36  | 32  | 81                    | 60   | 48  | 40  | 35  | 30  | 71                    | 53  | 42  | 35  | 30  | 26  |
| 6                        | 115                   | 87   | 69  | 58  | 49  | 43  | 104                   | 78   | 62  | 52  | 45  | 39  | 99                    | 74   | 59  | 49  | 42  | 37  | 87                    | 65  | 52  | 43  | 37  | 32  |
| 6,5                      | 134                   | 101  | 80  | 67  | 57  | 50  | 121                   | 91   | 72  | 60  | 52  | 45  | 115                   | 86   | 69  | 57  | 49  | 43  | 101                   | 75  | 60  | 50  | 43  | 38  |
| 7                        | 160                   | 120  | 96  | 80  | 69  | 60  | 144                   | 108  | 87  | 72  | 62  | 54  | 137                   | 103  | 82  | 69  | 59  | 52  | 120                   | 90  | 72  | 60  | 52  | 45  |
| 7,5                      | 196                   | 147  | 118 | 98  | 84  | 74  | 177                   | 133  | 106 | 88  | 76  | 66  | 168                   | 126  | 101 | 84  | 72  | 63  | 147                   | 111 | 88  | 74  | 63  | 55  |
| 8                        | 222                   | 167  | 133 | 111 | 95  | 83  | 200                   | 150  | 120 | 100 | 86  | 75  | 190                   | 143  | 114 | 95  | 82  | 71  | 167                   | 125 | 100 | 83  | 71  | 62  |
| 8,5                      | 257                   | 192  | 154 | 128 | 110 | 96  | 231                   | 173  | 139 | 115 | 99  | 87  | 220                   | 165  | 132 | 110 | 94  | 82  | 192                   | 144 | 115 | 96  | 82  | 72  |
| 9                        | 297                   | 223  | 178 | 149 | 127 | 112 | 268                   | 201  | 161 | 134 | 115 | 100 | 255                   | 191  | 153 | 127 | 109 | 96  | 223                   | 167 | 134 | 112 | 96  | 84  |
| 9,5                      | 340                   | 255  | 204 | 170 | 146 | 128 | 306                   | 230  | 184 | 153 | 131 | 115 | 291                   | 219  | 175 | 146 | 125 | 109 | 255                   | 191 | 153 | 128 | 109 | 96  |
| 10                       | 386                   | 290  | 232 | 193 | 165 | 145 | 347                   | 261  | 208 | 174 | 149 | 130 | 331                   | 248  | 199 | 165 | 142 | 124 | 290                   | 217 | 174 | 145 | 124 | 109 |
| 10,5                     | 417                   | 313  | 250 | 209 | 179 | 156 | 375                   | 282  | 225 | 188 | 161 | 141 | 357                   | 268  | 214 | 179 | 153 | 134 | 313                   | 235 | 188 | 156 | 134 | 117 |
| 11                       | 477                   | 358  | 286 | 238 | 204 | 179 | 429                   | 322  | 258 | 215 | 184 | 161 | 409                   | 307  | 245 | 204 | 175 | 153 | 358                   | 268 | 215 | 179 | 153 | 134 |
| 11,5                     | 539                   | 404  | 324 | 270 | 231 | 202 | 485                   | 364  | 291 | 243 | 208 | 182 | 462                   | 347  | 277 | 231 | 198 | 173 | 404                   | 303 | 243 | 202 | 173 | 152 |
| 12                       | 598                   | 449  | 359 | 299 | 256 | 224 | 538                   | 404  | 323 | 269 | 231 | 202 | 513                   | 385  | 308 | 256 | 220 | 192 | 449                   | 337 | 269 | 224 | 192 | 168 |
| 12,5                     | 668                   | 501  | 401 | 334 | 286 | 250 | 601                   | 451  | 361 | 300 | 258 | 225 | 572                   | 429  | 343 | 286 | 245 | 215 | 501                   | 376 | 300 | 250 | 215 | 188 |
| 13                       | 735                   | 551  | 441 | 367 | 315 | 275 | 661                   | 496  | 397 | 331 | 283 | 248 | 630                   | 472  | 378 | 315 | 270 | 236 | 551                   | 413 | 331 | 275 | 236 | 207 |
| 13,5                     | 808                   | 606  | 485 | 404 | 346 | 303 | 728                   | 546  | 437 | 364 | 312 | 273 | 693                   | 520  | 416 | 346 | 297 | 260 | 606                   | 455 | 364 | 303 | 260 | 227 |
| 14                       | 896                   | 672  | 538 | 448 | 384 | 336 | 806                   | 605  | 484 | 403 | 346 | 302 | 768                   | 576  | 461 | 384 | 329 | 288 | 672                   | 504 | 403 | 336 | 288 | 252 |
| 14,5                     | 983                   | 737  | 590 | 491 | 421 | 368 | 884                   | 663  | 531 | 442 | 379 | 332 | 842                   | 632  | 505 | 421 | 361 | 316 | 737                   | 553 | 442 | 368 | 316 | 276 |
| 15                       | 1077                  | 808  | 646 | 538 | 462 | 404 | 969                   | 727  | 582 | 485 | 415 | 363 | 923                   | 692  | 554 | 462 | 396 | 346 | 808                   | 606 | 485 | 404 | 346 | 303 |
| 15,5                     | 1174                  | 880  | 704 | 587 | 503 | 440 | 1057                  | 792  | 634 | 528 | 453 | 396 | 1006                  | 755  | 604 | 503 | 431 | 377 | 880                   | 660 | 528 | 440 | 377 | 330 |
| 16                       | 1300                  | 975  | 780 | 650 | 557 | 487 | 1170                  | 877  | 702 | 585 | 501 | 439 | 1114                  | 836  | 669 | 557 | 478 | 418 | 975                   | 731 | 585 | 487 | 418 | 366 |
| 16,5                     | 1422                  | 1066 | 853 | 711 | 609 | 533 | 1280                  | 960  | 768 | 640 | 548 | 480 | 1219                  | 914  | 731 | 609 | 522 | 457 | 1066                  | 800 | 640 | 533 | 457 | 400 |
| 17                       | 1529                  | 1147 | 918 | 765 | 655 | 573 | 1376                  | 1032 | 826 | 688 | 590 | 516 | 1311                  | 983  | 786 | 655 | 562 | 492 | 1147                  | 860 | 688 | 573 | 492 | 430 |
| 17,5                     | 1624                  | 1218 | 975 | 812 | 696 | 609 | 1462                  | 1097 | 877 | 731 | 627 | 548 | 1392                  | 1044 | 835 | 696 | 597 | 522 | 1218                  | 914 | 731 | 609 | 522 | 457 |
| 18                       | 1646                  | 1235 | 988 | 823 | 706 | 617 | 1482                  | 1111 | 889 | 741 | 635 | 556 | 1411                  | 1058 | 847 | 706 | 605 | 529 | 1235                  | 926 | 741 | 617 | 529 | 463 |
| 18,5                     | 1651                  | 1238 | 990 | 825 | 707 | 619 | 1485                  | 1114 | 891 | 743 | 637 | 557 | 1415                  | 1061 | 849 | 707 | 606 | 531 | 1238                  | 928 | 743 | 619 | 531 | 464 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatkii II



### Super Fos Dar 40

Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.

Formuła nawozu: P2O5 (CaO) 25(10)  
 Klasa ziarnowa: frakcja 2-5,5mm, nie mniej niż 90%  
 Gęstość nasypowa: 1,21 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     | 32 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1,3           |     |     |     |     |     | ŁD II - 1,4           |     |     |     |     |     | ŁD II - 2             |     |     |     |     |     | ŁD II - 2,2           |     |     |     |     |     |
|                          | ŁK II - 2,2           |     |     |     |     |     | ŁK II - 2,2           |     |     |     |     |     | ŁK II - 2,3           |     |     |     |     |     | ŁK II - 2             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 33                    | 25  | 20  | 17  | 14  | 13  | 32                    | 24  | 19  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  | 28                    | 21  | 17  | 14  | 12  | 11  |
| 4,5                      | 41                    | 31  | 25  | 21  | 18  | 16  | 40                    | 30  | 24  | 20  | 17  | 15  | 37                    | 28  | 22  | 19  | 16  | 14  | 35                    | 26  | 21  | 17  | 15  | 13  |
| 5                        | 51                    | 38  | 31  | 26  | 22  | 19  | 49                    | 37  | 30  | 25  | 21  | 18  | 46                    | 34  | 28  | 23  | 20  | 17  | 43                    | 32  | 26  | 22  | 18  | 16  |
| 5,5                      | 63                    | 47  | 38  | 31  | 27  | 24  | 60                    | 45  | 36  | 30  | 26  | 23  | 56                    | 42  | 34  | 28  | 24  | 21  | 53                    | 40  | 32  | 26  | 23  | 20  |
| 6                        | 77                    | 58  | 46  | 38  | 33  | 29  | 74                    | 56  | 45  | 37  | 32  | 28  | 69                    | 52  | 42  | 35  | 30  | 26  | 65                    | 49  | 39  | 32  | 28  | 24  |
| 6,5                      | 89                    | 67  | 54  | 45  | 38  | 34  | 86                    | 65  | 52  | 43  | 37  | 32  | 80                    | 60  | 48  | 40  | 34  | 30  | 75                    | 57  | 45  | 38  | 32  | 28  |
| 7                        | 107                   | 80  | 64  | 53  | 46  | 40  | 103                   | 77  | 62  | 52  | 44  | 39  | 96                    | 72  | 58  | 48  | 41  | 36  | 90                    | 68  | 54  | 45  | 39  | 34  |
| 7,5                      | 131                   | 98  | 79  | 65  | 56  | 49  | 126                   | 95  | 76  | 63  | 54  | 47  | 118                   | 88  | 71  | 59  | 51  | 44  | 111                   | 83  | 66  | 55  | 47  | 41  |
| 8                        | 148                   | 111 | 89  | 74  | 63  | 56  | 143                   | 107 | 86  | 71  | 61  | 54  | 133                   | 100 | 80  | 67  | 57  | 50  | 125                   | 94  | 75  | 62  | 54  | 47  |
| 8,5                      | 171                   | 128 | 103 | 86  | 73  | 64  | 165                   | 124 | 99  | 82  | 71  | 62  | 154                   | 115 | 92  | 77  | 66  | 58  | 144                   | 108 | 87  | 72  | 62  | 54  |
| 9                        | 198                   | 149 | 119 | 99  | 85  | 74  | 191                   | 143 | 115 | 96  | 82  | 72  | 178                   | 134 | 107 | 89  | 76  | 67  | 167                   | 125 | 100 | 84  | 72  | 63  |
| 9,5                      | 227                   | 170 | 136 | 113 | 97  | 85  | 219                   | 164 | 131 | 109 | 94  | 82  | 204                   | 153 | 122 | 102 | 87  | 77  | 191                   | 143 | 115 | 96  | 82  | 72  |
| 10                       | 257                   | 193 | 154 | 129 | 110 | 97  | 248                   | 186 | 149 | 124 | 106 | 93  | 232                   | 174 | 139 | 116 | 99  | 87  | 217                   | 163 | 130 | 109 | 93  | 81  |
| 10,5                     | 278                   | 209 | 167 | 139 | 119 | 104 | 268                   | 201 | 161 | 134 | 115 | 101 | 250                   | 188 | 150 | 125 | 107 | 94  | 235                   | 176 | 141 | 117 | 101 | 88  |
| 11                       | 318                   | 238 | 191 | 159 | 136 | 119 | 307                   | 230 | 184 | 153 | 131 | 115 | 286                   | 215 | 172 | 143 | 123 | 107 | 268                   | 201 | 161 | 134 | 115 | 101 |
| 11,5                     | 359                   | 270 | 216 | 180 | 154 | 135 | 347                   | 260 | 208 | 173 | 149 | 130 | 324                   | 243 | 194 | 162 | 139 | 121 | 303                   | 227 | 182 | 152 | 130 | 114 |
| 12                       | 399                   | 299 | 239 | 199 | 171 | 150 | 385                   | 288 | 231 | 192 | 165 | 144 | 359                   | 269 | 215 | 179 | 154 | 135 | 337                   | 252 | 202 | 168 | 144 | 126 |
| 12,5                     | 445                   | 334 | 267 | 223 | 191 | 167 | 429                   | 322 | 258 | 215 | 184 | 161 | 401                   | 300 | 240 | 200 | 172 | 150 | 376                   | 282 | 225 | 188 | 161 | 141 |
| 13                       | 490                   | 367 | 294 | 245 | 210 | 184 | 472                   | 354 | 283 | 236 | 202 | 177 | 441                   | 331 | 264 | 220 | 189 | 165 | 413                   | 310 | 248 | 207 | 177 | 155 |
| 13,5                     | 539                   | 404 | 323 | 269 | 231 | 202 | 520                   | 390 | 312 | 260 | 223 | 195 | 485                   | 364 | 291 | 243 | 208 | 182 | 455                   | 341 | 273 | 227 | 195 | 171 |
| 14                       | 597                   | 448 | 358 | 299 | 256 | 224 | 576                   | 432 | 346 | 288 | 247 | 216 | 538                   | 403 | 323 | 269 | 230 | 202 | 504                   | 378 | 302 | 252 | 216 | 189 |
| 14,5                     | 655                   | 491 | 393 | 328 | 281 | 246 | 632                   | 474 | 379 | 316 | 271 | 237 | 590                   | 442 | 354 | 295 | 253 | 221 | 553                   | 415 | 332 | 276 | 237 | 207 |
| 15                       | 718                   | 538 | 431 | 359 | 308 | 269 | 692                   | 519 | 415 | 346 | 297 | 260 | 646                   | 485 | 388 | 323 | 277 | 242 | 606                   | 454 | 363 | 303 | 260 | 227 |
| 15,5                     | 783                   | 587 | 470 | 391 | 335 | 293 | 755                   | 566 | 453 | 377 | 323 | 283 | 704                   | 528 | 423 | 352 | 302 | 264 | 660                   | 495 | 396 | 330 | 283 | 248 |
| 16                       | 867                   | 650 | 520 | 433 | 371 | 325 | 836                   | 627 | 501 | 418 | 358 | 313 | 780                   | 585 | 468 | 390 | 334 | 292 | 731                   | 548 | 439 | 366 | 313 | 274 |
| 16,5                     | 948                   | 711 | 569 | 474 | 406 | 355 | 914                   | 686 | 548 | 457 | 392 | 343 | 853                   | 640 | 512 | 427 | 366 | 320 | 800                   | 600 | 480 | 400 | 343 | 300 |
| 17                       | 1019                  | 765 | 612 | 510 | 437 | 382 | 983                   | 737 | 590 | 492 | 421 | 369 | 918                   | 688 | 551 | 459 | 393 | 344 | 860                   | 645 | 516 | 430 | 369 | 323 |
| 17,5                     | 1083                  | 812 | 650 | 541 | 464 | 406 | 1044                  | 783 | 627 | 522 | 448 | 392 | 975                   | 731 | 585 | 487 | 418 | 366 | 914                   | 685 | 548 | 457 | 392 | 343 |
| 18                       | 1098                  | 823 | 659 | 549 | 470 | 412 | 1058                  | 794 | 635 | 529 | 454 | 397 | 988                   | 741 | 593 | 494 | 423 | 370 | 926                   | 695 | 556 | 463 | 397 | 347 |
| 18,5                     | 1100                  | 825 | 660 | 550 | 472 | 413 | 1061                  | 796 | 637 | 531 | 455 | 398 | 990                   | 743 | 594 | 495 | 424 | 371 | 928                   | 696 | 557 | 464 | 398 | 348 |

LD I - Łopatkii I długa  
 LD II - Łopatkii II długa  
 ŁK I - Łopatkii I krótka  
 ŁK II - Łopatkii II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



### Super Fos Dar 40

Gdańskie Zakłady Nawozów Fosforowych "Fosfory" Sp. z o.o.

Formuła nawozu: P2O5 (CaO) 25(10)  
Klasa ziarnowa: frakcja 2-5,5mm, nie mniej niż 90%  
Gęstość nasypowa: 1,21 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy | Wysiew graniczny |                        |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 0,4                  | ŁK I - 3,1  | 540 obr/min | 10             | 10                 | -                | -                      | -                        | -                   | -                      | -                        | -                |
| 15                | ŁD I - 1,2                  | ŁK I - 3,3  | 540 obr/min | 10             | 8                  | 9                | -2                     | -45%                     | 10                  | -3                     | -60%                     | 380 obr/min      |
| 16                | ŁD I - 1,2                  | ŁK I - 3,4  | 540 obr/min | 15             | 7                  | 9                | -2                     | -45%                     | 10                  | -3                     | -60%                     | 380 obr/min      |
| 18                | ŁD I - 1,4                  | ŁK I - 3,3  | 540 obr/min | 20             | 6                  | 8                | -2                     | -45%                     | 10                  | -3                     | -60%                     | 380 obr/min      |
|                   | ŁD II - 0,1                 | ŁK II - 0,3 | 540 obr/min | 20             | 6                  | 8                | -1                     | -25%                     | 10                  | -3                     | -60%                     | 380 obr/min      |
| 20                | ŁD I - 2                    | ŁK I - 3,4  | 540 obr/min | 25             | 6                  | 8                | -2                     | -45%                     | 10                  | -3                     | -60%                     | -                |
|                   | ŁD II - 0,1                 | ŁK II - 1   | 540 obr/min | 25             | 7                  | 9                | -2                     | -45%                     | 10                  | -3                     | -60%                     | 380 obr/min      |
| 21                | ŁD I - 2,1                  | ŁK I - 3,4  | 540 obr/min | 25             | 6                  | 8                | -2                     | -45%                     | 10                  | -3                     | -60%                     | -                |
|                   | ŁD II - 0,2                 | ŁK II - 1,2 | 540 obr/min | 25             | 7                  | 9                | -2                     | -45%                     | 10                  | -3                     | -45%                     | 380 obr/min      |
| 24                | ŁD I - 3                    | ŁK I - 2,2  | 540 obr/min | 30             | 5                  | 8                | -1                     | -25%                     | 10                  | -2                     | -45%                     | -                |
|                   | ŁD II - 0,3                 | ŁK II - 2,2 | 540 obr/min | 30             | 6                  | 8                | -2                     | -45%                     | 10                  | -2                     | -45%                     | 380 obr/min      |
| 27                | ŁD II - 1,3                 | ŁK II - 2,2 | 540 obr/min | 35             | 6                  | 8                | -1                     | -25%                     | 10                  | -2                     | -45%                     | -                |
| 28                | ŁD II - 1,4                 | ŁK II - 2,2 | 540 obr/min | 40             | 5                  | 8                | -1                     | -25%                     | 10                  | -2                     | -45%                     | -                |
| 30                | ŁD II - 2                   | ŁK II - 2,3 | 540 obr/min | 40             | 5                  | 7                | 0                      | 0                        | 9                   | -1                     | -25%                     | -                |
| 32                | ŁD II - 2,2                 | ŁK II - 2   | 540 obr/min | 45             | 4                  | 6                | 0                      | 0                        | 8                   | -1                     | -25%                     | -                |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka







# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**NPK 4 - 12 - 32 Polifoska 4**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: NPK(MgS) 4-12-32-(2-9)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |     |     | 15 m                  |      |      |     |     |     | 16 m                  |      |     |     |     |     | 18 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|------|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 1,2            |      |      |      |     |     | ŁD I - 2              |      |      |     |     |     | ŁD I - 2              |      |     |     |     |     | ŁD I - 2,2            |      |     |     |     |     |
|                          | ŁK I - 4              |      |      |      |     |     | ŁK I - 3,1            |      |      |     |     |     | ŁK I - 3,3            |      |     |     |     |     | ŁK I - 4              |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |     |     |                       |      |      |     |     |     |                       |      |     |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 59                    | 44   | 36   | 30   | 25  | 22  | 47                    | 36   | 28   | 24  | 20  | 18  | 44                    | 33   | 27  | 22  | 19  | 17  | 40                    | 30   | 24  | 20  | 17  | 15  |
| 4,5                      | 76                    | 57   | 46   | 38   | 33  | 29  | 61                    | 46   | 37   | 30  | 26  | 23  | 57                    | 43   | 34  | 29  | 24  | 21  | 51                    | 38   | 30  | 25  | 22  | 19  |
| 5                        | 94                    | 70   | 56   | 47   | 40  | 35  | 75                    | 56   | 45   | 38  | 32  | 28  | 70                    | 53   | 42  | 35  | 30  | 26  | 63                    | 47   | 38  | 31  | 27  | 23  |
| 5,5                      | 114                   | 85   | 68   | 57   | 49  | 43  | 91                    | 68   | 55   | 46  | 39  | 34  | 85                    | 64   | 51  | 43  | 37  | 32  | 76                    | 57   | 46  | 38  | 33  | 28  |
| 6                        | 139                   | 105  | 84   | 70   | 60  | 52  | 111                   | 84   | 67   | 56  | 48  | 42  | 105                   | 78   | 63  | 52  | 45  | 39  | 93                    | 70   | 56  | 46  | 40  | 35  |
| 6,5                      | 165                   | 124  | 99   | 82   | 71  | 62  | 132                   | 99   | 79   | 66  | 56  | 49  | 124                   | 93   | 74  | 62  | 53  | 46  | 110                   | 82   | 66  | 55  | 47  | 41  |
| 7                        | 200                   | 150  | 120  | 100  | 86  | 75  | 160                   | 120  | 96   | 80  | 68  | 60  | 150                   | 112  | 90  | 75  | 64  | 56  | 133                   | 100  | 80  | 67  | 57  | 50  |
| 7,5                      | 238                   | 179  | 143  | 119  | 102 | 89  | 190                   | 143  | 114  | 95  | 82  | 71  | 179                   | 134  | 107 | 89  | 77  | 67  | 159                   | 119  | 95  | 79  | 68  | 60  |
| 8                        | 278                   | 208  | 167  | 139  | 119 | 104 | 222                   | 167  | 133  | 111 | 95  | 83  | 208                   | 156  | 125 | 104 | 89  | 78  | 185                   | 139  | 111 | 93  | 79  | 69  |
| 8,5                      | 327                   | 245  | 196  | 163  | 140 | 122 | 261                   | 196  | 157  | 131 | 112 | 98  | 245                   | 184  | 147 | 122 | 105 | 92  | 218                   | 163  | 131 | 109 | 93  | 82  |
| 9                        | 379                   | 284  | 227  | 189  | 162 | 142 | 303                   | 227  | 182  | 151 | 130 | 114 | 284                   | 213  | 170 | 142 | 122 | 106 | 252                   | 189  | 151 | 126 | 108 | 95  |
| 9,5                      | 434                   | 326  | 261  | 217  | 186 | 163 | 347                   | 261  | 208  | 174 | 149 | 130 | 326                   | 244  | 195 | 163 | 140 | 122 | 290                   | 217  | 174 | 145 | 124 | 109 |
| 10                       | 497                   | 373  | 298  | 249  | 213 | 186 | 398                   | 298  | 239  | 199 | 170 | 149 | 373                   | 280  | 224 | 186 | 160 | 140 | 331                   | 249  | 199 | 166 | 142 | 124 |
| 10,5                     | 557                   | 418  | 334  | 279  | 239 | 209 | 446                   | 334  | 268  | 223 | 191 | 167 | 418                   | 314  | 251 | 209 | 179 | 157 | 372                   | 279  | 223 | 186 | 159 | 139 |
| 11                       | 596                   | 447  | 358  | 298  | 255 | 224 | 477                   | 358  | 286  | 238 | 204 | 179 | 447                   | 335  | 268 | 224 | 192 | 168 | 397                   | 298  | 238 | 199 | 170 | 149 |
| 11,5                     | 670                   | 503  | 402  | 335  | 287 | 251 | 536                   | 402  | 322  | 268 | 230 | 201 | 503                   | 377  | 302 | 251 | 215 | 188 | 447                   | 335  | 268 | 223 | 191 | 168 |
| 12                       | 733                   | 550  | 440  | 366  | 314 | 275 | 586                   | 440  | 352  | 293 | 251 | 220 | 550                   | 412  | 330 | 275 | 236 | 206 | 488                   | 366  | 293 | 244 | 209 | 183 |
| 12,5                     | 832                   | 624  | 499  | 416  | 357 | 312 | 666                   | 499  | 399  | 333 | 285 | 250 | 624                   | 468  | 375 | 312 | 268 | 234 | 555                   | 416  | 333 | 277 | 238 | 208 |
| 13                       | 908                   | 681  | 545  | 454  | 389 | 341 | 727                   | 545  | 436  | 363 | 311 | 273 | 681                   | 511  | 409 | 341 | 292 | 256 | 606                   | 454  | 363 | 303 | 260 | 227 |
| 13,5                     | 1000                  | 750  | 600  | 500  | 429 | 375 | 800                   | 600  | 480  | 400 | 343 | 300 | 750                   | 562  | 450 | 375 | 321 | 281 | 667                   | 500  | 400 | 333 | 286 | 250 |
| 14                       | 1088                  | 816  | 653  | 544  | 466 | 408 | 870                   | 653  | 522  | 435 | 373 | 326 | 816                   | 612  | 490 | 408 | 350 | 306 | 725                   | 544  | 435 | 363 | 311 | 272 |
| 14,5                     | 1182                  | 887  | 709  | 591  | 507 | 443 | 946                   | 709  | 567  | 473 | 405 | 355 | 887                   | 665  | 532 | 443 | 380 | 332 | 788                   | 591  | 473 | 394 | 338 | 296 |
| 15                       | 1307                  | 980  | 784  | 653  | 560 | 490 | 1045                  | 784  | 627  | 523 | 448 | 392 | 980                   | 735  | 588 | 490 | 420 | 367 | 871                   | 653  | 523 | 436 | 373 | 327 |
| 15,5                     | 1442                  | 1082 | 865  | 721  | 618 | 541 | 1154                  | 865  | 692  | 577 | 495 | 433 | 1082                  | 811  | 649 | 541 | 464 | 406 | 962                   | 721  | 577 | 481 | 412 | 361 |
| 16                       | 1543                  | 1157 | 926  | 772  | 661 | 579 | 1235                  | 926  | 741  | 617 | 529 | 463 | 1157                  | 868  | 694 | 579 | 496 | 434 | 1029                  | 772  | 617 | 514 | 441 | 386 |
| 16,5                     | 1681                  | 1261 | 1009 | 841  | 720 | 630 | 1345                  | 1009 | 807  | 672 | 576 | 504 | 1261                  | 946  | 756 | 630 | 540 | 473 | 1121                  | 841  | 672 | 560 | 480 | 420 |
| 17                       | 1859                  | 1394 | 1116 | 930  | 797 | 697 | 1487                  | 1116 | 892  | 744 | 637 | 558 | 1394                  | 1046 | 837 | 697 | 598 | 523 | 1239                  | 930  | 744 | 620 | 531 | 465 |
| 17,5                     | 1998                  | 1498 | 1199 | 999  | 856 | 749 | 1598                  | 1199 | 959  | 799 | 685 | 599 | 1498                  | 1124 | 899 | 749 | 642 | 562 | 1332                  | 999  | 799 | 666 | 571 | 499 |
| 18                       | 2074                  | 1556 | 1244 | 1037 | 889 | 778 | 1659                  | 1244 | 996  | 830 | 711 | 622 | 1556                  | 1167 | 933 | 778 | 667 | 583 | 1383                  | 1037 | 830 | 691 | 593 | 519 |
| 18,5                     | 2120                  | 1590 | 1272 | 1060 | 909 | 795 | 1696                  | 1272 | 1018 | 848 | 727 | 636 | 1590                  | 1193 | 954 | 795 | 681 | 596 | 1413                  | 1060 | 848 | 707 | 606 | 530 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**NPK 4 - 12 - 32 Polifoska 4**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: NPK(MgS) 4-12-32-(2-9)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 2,4            |     |     |     |     |     | ŁD I - 2,4            |     |     |     |     |     | ŁD I - 4              |     |     |     |     |     |
|                          | ŁK I - 4              |     |     |     |     |     | ŁK I - 5              |     |     |     |     |     | ŁK I - 3,3            |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 36                    | 27  | 21  | 18  | 15  | 13  | 34                    | 25  | 20  | 17  | 15  | 13  | 30                    | 22  | 18  | 15  | 13  | 11  |
| 4,5                      | 46                    | 34  | 27  | 23  | 20  | 17  | 43                    | 33  | 26  | 22  | 19  | 16  | 38                    | 29  | 23  | 19  | 16  | 14  |
| 5                        | 56                    | 42  | 34  | 28  | 24  | 21  | 54                    | 40  | 32  | 27  | 23  | 20  | 47                    | 35  | 28  | 23  | 20  | 18  |
| 5,5                      | 68                    | 51  | 41  | 34  | 29  | 26  | 65                    | 49  | 39  | 33  | 28  | 24  | 57                    | 43  | 34  | 28  | 24  | 21  |
| 6                        | 84                    | 63  | 50  | 42  | 36  | 31  | 80                    | 60  | 48  | 40  | 34  | 30  | 70                    | 52  | 42  | 35  | 30  | 26  |
| 6,5                      | 99                    | 74  | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 120                   | 90  | 72  | 60  | 51  | 45  | 114                   | 86  | 68  | 57  | 49  | 43  | 100                   | 75  | 60  | 50  | 43  | 37  |
| 7,5                      | 143                   | 107 | 86  | 71  | 61  | 54  | 136                   | 102 | 82  | 68  | 58  | 51  | 119                   | 89  | 71  | 60  | 51  | 45  |
| 8                        | 167                   | 125 | 100 | 83  | 71  | 63  | 159                   | 119 | 95  | 79  | 68  | 60  | 139                   | 104 | 83  | 69  | 60  | 52  |
| 8,5                      | 196                   | 147 | 118 | 98  | 84  | 73  | 187                   | 140 | 112 | 93  | 80  | 70  | 163                   | 122 | 98  | 82  | 70  | 61  |
| 9                        | 227                   | 170 | 136 | 114 | 97  | 85  | 216                   | 162 | 130 | 108 | 93  | 81  | 189                   | 142 | 114 | 95  | 81  | 71  |
| 9,5                      | 261                   | 195 | 156 | 130 | 112 | 98  | 248                   | 186 | 149 | 124 | 106 | 93  | 217                   | 163 | 130 | 109 | 93  | 81  |
| 10                       | 298                   | 224 | 179 | 149 | 128 | 112 | 284                   | 213 | 170 | 142 | 122 | 107 | 249                   | 186 | 149 | 124 | 107 | 93  |
| 10,5                     | 334                   | 251 | 201 | 167 | 143 | 125 | 319                   | 239 | 191 | 159 | 137 | 119 | 279                   | 209 | 167 | 139 | 119 | 105 |
| 11                       | 358                   | 268 | 215 | 179 | 153 | 134 | 341                   | 255 | 204 | 170 | 146 | 128 | 298                   | 224 | 179 | 149 | 128 | 112 |
| 11,5                     | 402                   | 302 | 241 | 201 | 172 | 151 | 383                   | 287 | 230 | 191 | 164 | 144 | 335                   | 251 | 201 | 168 | 144 | 126 |
| 12                       | 440                   | 330 | 264 | 220 | 188 | 165 | 419                   | 314 | 251 | 209 | 179 | 157 | 366                   | 275 | 220 | 183 | 157 | 137 |
| 12,5                     | 499                   | 375 | 300 | 250 | 214 | 187 | 476                   | 357 | 285 | 238 | 204 | 178 | 416                   | 312 | 250 | 208 | 178 | 156 |
| 13                       | 545                   | 409 | 327 | 273 | 234 | 204 | 519                   | 389 | 311 | 260 | 222 | 195 | 454                   | 341 | 273 | 227 | 195 | 170 |
| 13,5                     | 600                   | 450 | 360 | 300 | 257 | 225 | 571                   | 429 | 343 | 286 | 245 | 214 | 500                   | 375 | 300 | 250 | 214 | 187 |
| 14                       | 653                   | 490 | 392 | 326 | 280 | 245 | 622                   | 466 | 373 | 311 | 266 | 233 | 544                   | 408 | 326 | 272 | 233 | 204 |
| 14,5                     | 709                   | 532 | 426 | 355 | 304 | 266 | 675                   | 507 | 405 | 338 | 289 | 253 | 591                   | 443 | 355 | 296 | 253 | 222 |
| 15                       | 784                   | 588 | 470 | 392 | 336 | 294 | 747                   | 560 | 448 | 373 | 320 | 280 | 653                   | 490 | 392 | 327 | 280 | 245 |
| 15,5                     | 865                   | 649 | 519 | 433 | 371 | 325 | 824                   | 618 | 495 | 412 | 353 | 309 | 721                   | 541 | 433 | 361 | 309 | 270 |
| 16                       | 926                   | 694 | 556 | 463 | 397 | 347 | 882                   | 661 | 529 | 441 | 378 | 331 | 772                   | 579 | 463 | 386 | 331 | 289 |
| 16,5                     | 1009                  | 756 | 605 | 504 | 432 | 378 | 961                   | 720 | 576 | 480 | 412 | 360 | 841                   | 630 | 504 | 420 | 360 | 315 |
| 17                       | 1116                  | 837 | 669 | 558 | 478 | 418 | 1062                  | 797 | 637 | 531 | 455 | 398 | 930                   | 697 | 558 | 465 | 398 | 349 |
| 17,5                     | 1199                  | 899 | 719 | 599 | 514 | 449 | 1141                  | 856 | 685 | 571 | 489 | 428 | 999                   | 749 | 599 | 499 | 428 | 375 |
| 18                       | 1244                  | 933 | 747 | 622 | 533 | 467 | 1185                  | 889 | 711 | 593 | 508 | 444 | 1037                  | 778 | 622 | 519 | 444 | 389 |
| 18,5                     | 1272                  | 954 | 763 | 636 | 545 | 477 | 1211                  | 909 | 727 | 606 | 519 | 454 | 1060                  | 795 | 636 | 530 | 454 | 398 |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**NPK 4 - 12 - 32 Polifoska 4**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: NPK(MgS) 4-12-32-(2-9)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |     |     |     |     | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | LD II - 1,2           |      |     |     |     |     | LD II - 2             |     |     |     |     |     | LD II - 2             |     |     |     |     |     | LD II - 4             |     |     |     |     |     |
|                          | ŁK II - 3,2           |      |     |     |     |     | ŁK II - 2,3           |     |     |     |     |     | ŁK II - 3             |     |     |     |     |     | ŁK II - 3,1           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 40                    | 30   | 24  | 20  | 17  | 15  | 36                    | 27  | 21  | 18  | 15  | 13  | 34                    | 25  | 20  | 17  | 15  | 13  | 30                    | 22  | 18  | 15  | 13  | 11  |
| 4,5                      | 51                    | 38   | 30  | 25  | 22  | 19  | 46                    | 34  | 27  | 23  | 20  | 17  | 43                    | 33  | 26  | 22  | 19  | 16  | 38                    | 29  | 23  | 19  | 16  | 14  |
| 5                        | 63                    | 47   | 38  | 31  | 27  | 23  | 56                    | 42  | 34  | 28  | 24  | 21  | 54                    | 40  | 32  | 27  | 23  | 20  | 47                    | 35  | 28  | 23  | 20  | 18  |
| 5,5                      | 76                    | 57   | 46  | 38  | 33  | 28  | 68                    | 51  | 41  | 34  | 29  | 26  | 65                    | 49  | 39  | 33  | 28  | 24  | 57                    | 43  | 34  | 28  | 24  | 21  |
| 6                        | 93                    | 70   | 56  | 46  | 40  | 35  | 84                    | 63  | 50  | 42  | 36  | 31  | 80                    | 60  | 48  | 40  | 34  | 30  | 70                    | 52  | 42  | 35  | 30  | 26  |
| 6,5                      | 110                   | 82   | 66  | 55  | 47  | 41  | 99                    | 74  | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 133                   | 100  | 80  | 67  | 57  | 50  | 120                   | 90  | 72  | 60  | 51  | 45  | 114                   | 86  | 68  | 57  | 49  | 43  | 100                   | 75  | 60  | 50  | 43  | 37  |
| 7,5                      | 159                   | 119  | 95  | 79  | 68  | 60  | 143                   | 107 | 86  | 71  | 61  | 54  | 136                   | 102 | 82  | 68  | 58  | 51  | 119                   | 89  | 71  | 60  | 51  | 45  |
| 8                        | 185                   | 139  | 111 | 93  | 79  | 69  | 167                   | 125 | 100 | 83  | 71  | 63  | 159                   | 119 | 95  | 79  | 68  | 60  | 139                   | 104 | 83  | 69  | 60  | 52  |
| 8,5                      | 218                   | 163  | 131 | 109 | 93  | 82  | 196                   | 147 | 118 | 98  | 84  | 73  | 187                   | 140 | 112 | 93  | 80  | 70  | 163                   | 122 | 98  | 82  | 70  | 61  |
| 9                        | 252                   | 189  | 151 | 126 | 108 | 95  | 227                   | 170 | 136 | 114 | 97  | 85  | 216                   | 162 | 130 | 108 | 93  | 81  | 189                   | 142 | 114 | 95  | 81  | 71  |
| 9,5                      | 290                   | 217  | 174 | 145 | 124 | 109 | 261                   | 195 | 156 | 130 | 112 | 98  | 248                   | 186 | 149 | 124 | 106 | 93  | 217                   | 163 | 130 | 109 | 93  | 81  |
| 10                       | 331                   | 249  | 199 | 166 | 142 | 124 | 298                   | 224 | 179 | 149 | 128 | 112 | 284                   | 213 | 170 | 142 | 122 | 107 | 249                   | 186 | 149 | 124 | 107 | 93  |
| 10,5                     | 372                   | 279  | 223 | 186 | 159 | 139 | 334                   | 251 | 201 | 167 | 143 | 125 | 319                   | 239 | 191 | 159 | 137 | 119 | 279                   | 209 | 167 | 139 | 119 | 105 |
| 11                       | 397                   | 298  | 238 | 199 | 170 | 149 | 358                   | 268 | 215 | 179 | 153 | 134 | 341                   | 255 | 204 | 170 | 146 | 128 | 298                   | 224 | 179 | 149 | 128 | 112 |
| 11,5                     | 447                   | 335  | 268 | 223 | 191 | 168 | 402                   | 302 | 241 | 201 | 172 | 151 | 383                   | 287 | 230 | 191 | 164 | 144 | 335                   | 251 | 201 | 168 | 144 | 126 |
| 12                       | 488                   | 366  | 293 | 244 | 209 | 183 | 440                   | 330 | 264 | 220 | 188 | 165 | 419                   | 314 | 251 | 209 | 179 | 157 | 366                   | 275 | 220 | 183 | 157 | 137 |
| 12,5                     | 555                   | 416  | 333 | 277 | 238 | 208 | 499                   | 375 | 300 | 250 | 214 | 187 | 476                   | 357 | 285 | 238 | 204 | 178 | 416                   | 312 | 250 | 208 | 178 | 156 |
| 13                       | 606                   | 454  | 363 | 303 | 260 | 227 | 545                   | 409 | 327 | 273 | 234 | 204 | 519                   | 389 | 311 | 260 | 222 | 195 | 454                   | 341 | 273 | 227 | 195 | 170 |
| 13,5                     | 667                   | 500  | 400 | 333 | 286 | 250 | 600                   | 450 | 360 | 300 | 257 | 225 | 571                   | 429 | 343 | 286 | 245 | 214 | 500                   | 375 | 300 | 250 | 214 | 187 |
| 14                       | 725                   | 544  | 435 | 363 | 311 | 272 | 653                   | 490 | 392 | 326 | 280 | 245 | 622                   | 466 | 373 | 311 | 266 | 233 | 544                   | 408 | 326 | 272 | 233 | 204 |
| 14,5                     | 788                   | 591  | 473 | 394 | 338 | 296 | 709                   | 532 | 426 | 355 | 304 | 266 | 675                   | 507 | 405 | 338 | 289 | 253 | 591                   | 443 | 355 | 296 | 253 | 222 |
| 15                       | 871                   | 653  | 523 | 436 | 373 | 327 | 784                   | 588 | 470 | 392 | 336 | 294 | 747                   | 560 | 448 | 373 | 320 | 280 | 653                   | 490 | 392 | 327 | 280 | 245 |
| 15,5                     | 962                   | 721  | 577 | 481 | 412 | 361 | 865                   | 649 | 519 | 433 | 371 | 325 | 824                   | 618 | 495 | 412 | 353 | 309 | 721                   | 541 | 433 | 361 | 309 | 270 |
| 16                       | 1029                  | 772  | 617 | 514 | 441 | 386 | 926                   | 694 | 556 | 463 | 397 | 347 | 882                   | 661 | 529 | 441 | 378 | 331 | 772                   | 579 | 463 | 386 | 331 | 289 |
| 16,5                     | 1121                  | 841  | 672 | 560 | 480 | 420 | 1009                  | 756 | 605 | 504 | 432 | 378 | 961                   | 720 | 576 | 480 | 412 | 360 | 841                   | 630 | 504 | 420 | 360 | 315 |
| 17                       | 1239                  | 930  | 744 | 620 | 531 | 465 | 1116                  | 837 | 669 | 558 | 478 | 418 | 1062                  | 797 | 637 | 531 | 455 | 398 | 930                   | 697 | 558 | 465 | 398 | 349 |
| 17,5                     | 1332                  | 999  | 799 | 666 | 571 | 499 | 1199                  | 899 | 719 | 599 | 514 | 449 | 1141                  | 856 | 685 | 571 | 489 | 428 | 999                   | 749 | 599 | 499 | 428 | 375 |
| 18                       | 1383                  | 1037 | 830 | 691 | 593 | 519 | 1244                  | 933 | 747 | 622 | 533 | 467 | 1185                  | 889 | 711 | 593 | 508 | 444 | 1037                  | 778 | 622 | 519 | 444 | 389 |
| 18,5                     | 1413                  | 1060 | 848 | 707 | 606 | 530 | 1272                  | 954 | 763 | 636 | 545 | 477 | 1211                  | 909 | 727 | 606 | 519 | 454 | 1060                  | 795 | 636 | 530 | 454 | 398 |

LD I - Łopatka I długa  
LD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**NPK 4 - 12 - 32 Polifoska 4**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: NPK(MgS) 4-12-32-(2-9)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     | 32 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 3,2           |     |     |     |     |     | ŁD II - 3,2           |     |     |     |     |     | ŁD II - 3,4           |     |     |     |     |     | ŁD II - 4             |     |     |     |     |     |
|                          | ŁK II - 3             |     |     |     |     |     | ŁK II - 3,3           |     |     |     |     |     | ŁK II - 2,4           |     |     |     |     |     | ŁK II - 3             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 26                    | 20  | 16  | 13  | 11  | 10  | 25                    | 19  | 15  | 13  | 11  | 10  | 24                    | 18  | 14  | 12  | 10  | 9   | 22                    | 17  | 13  | 11  | 10  | 8   |
| 4,5                      | 34                    | 25  | 20  | 17  | 14  | 13  | 33                    | 24  | 20  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  | 29                    | 21  | 17  | 14  | 12  | 11  |
| 5                        | 42                    | 31  | 25  | 21  | 18  | 16  | 40                    | 30  | 24  | 20  | 17  | 15  | 38                    | 28  | 23  | 19  | 16  | 14  | 35                    | 26  | 21  | 18  | 15  | 13  |
| 5,5                      | 51                    | 38  | 30  | 25  | 22  | 19  | 49                    | 37  | 29  | 24  | 21  | 18  | 46                    | 34  | 27  | 23  | 20  | 17  | 43                    | 32  | 26  | 21  | 18  | 16  |
| 6                        | 62                    | 46  | 37  | 31  | 27  | 23  | 60                    | 45  | 36  | 30  | 26  | 22  | 56                    | 42  | 33  | 28  | 24  | 21  | 52                    | 39  | 31  | 26  | 22  | 20  |
| 6,5                      | 73                    | 55  | 44  | 37  | 31  | 27  | 71                    | 53  | 42  | 35  | 30  | 26  | 66                    | 49  | 40  | 33  | 28  | 25  | 62                    | 46  | 37  | 31  | 26  | 23  |
| 7                        | 89                    | 67  | 53  | 44  | 38  | 33  | 86                    | 64  | 51  | 43  | 37  | 32  | 80                    | 60  | 48  | 40  | 34  | 30  | 75                    | 56  | 45  | 37  | 32  | 28  |
| 7,5                      | 106                   | 79  | 63  | 53  | 45  | 40  | 102                   | 77  | 61  | 51  | 44  | 38  | 95                    | 71  | 57  | 48  | 41  | 36  | 89                    | 67  | 54  | 45  | 38  | 33  |
| 8                        | 123                   | 93  | 74  | 62  | 53  | 46  | 119                   | 89  | 71  | 60  | 51  | 45  | 111                   | 83  | 67  | 56  | 48  | 42  | 104                   | 78  | 63  | 52  | 45  | 39  |
| 8,5                      | 145                   | 109 | 87  | 73  | 62  | 54  | 140                   | 105 | 84  | 70  | 60  | 52  | 131                   | 98  | 78  | 65  | 56  | 49  | 122                   | 92  | 73  | 61  | 52  | 46  |
| 9                        | 168                   | 126 | 101 | 84  | 72  | 63  | 162                   | 122 | 97  | 81  | 70  | 61  | 151                   | 114 | 91  | 76  | 65  | 57  | 142                   | 106 | 85  | 71  | 61  | 53  |
| 9,5                      | 193                   | 145 | 116 | 97  | 83  | 72  | 186                   | 140 | 112 | 93  | 80  | 70  | 174                   | 130 | 104 | 87  | 74  | 65  | 163                   | 122 | 98  | 81  | 70  | 61  |
| 10                       | 221                   | 166 | 133 | 110 | 95  | 83  | 213                   | 160 | 128 | 107 | 91  | 80  | 199                   | 149 | 119 | 99  | 85  | 75  | 186                   | 140 | 112 | 93  | 80  | 70  |
| 10,5                     | 248                   | 186 | 149 | 124 | 106 | 93  | 239                   | 179 | 143 | 119 | 102 | 90  | 223                   | 167 | 134 | 111 | 96  | 84  | 209                   | 157 | 125 | 105 | 90  | 78  |
| 11                       | 265                   | 199 | 159 | 132 | 114 | 99  | 255                   | 192 | 153 | 128 | 109 | 96  | 238                   | 179 | 143 | 119 | 102 | 89  | 224                   | 168 | 134 | 112 | 96  | 84  |
| 11,5                     | 298                   | 223 | 179 | 149 | 128 | 112 | 287                   | 215 | 172 | 144 | 123 | 108 | 268                   | 201 | 161 | 134 | 115 | 101 | 251                   | 188 | 151 | 126 | 108 | 94  |
| 12                       | 326                   | 244 | 195 | 163 | 140 | 122 | 314                   | 236 | 188 | 157 | 135 | 118 | 293                   | 220 | 176 | 147 | 126 | 110 | 275                   | 206 | 165 | 137 | 118 | 103 |
| 12,5                     | 370                   | 277 | 222 | 185 | 159 | 139 | 357                   | 268 | 214 | 178 | 153 | 134 | 333                   | 250 | 200 | 166 | 143 | 125 | 312                   | 234 | 187 | 156 | 134 | 117 |
| 13                       | 404                   | 303 | 242 | 202 | 173 | 151 | 389                   | 292 | 234 | 195 | 167 | 146 | 363                   | 273 | 218 | 182 | 156 | 136 | 341                   | 256 | 204 | 170 | 146 | 128 |
| 13,5                     | 444                   | 333 | 267 | 222 | 190 | 167 | 429                   | 321 | 257 | 214 | 184 | 161 | 400                   | 300 | 240 | 200 | 171 | 150 | 375                   | 281 | 225 | 187 | 161 | 141 |
| 14                       | 484                   | 363 | 290 | 242 | 207 | 181 | 466                   | 350 | 280 | 233 | 200 | 175 | 435                   | 326 | 261 | 218 | 187 | 163 | 408                   | 306 | 245 | 204 | 175 | 153 |
| 14,5                     | 525                   | 394 | 315 | 263 | 225 | 197 | 507                   | 380 | 304 | 253 | 217 | 190 | 473                   | 355 | 284 | 236 | 203 | 177 | 443                   | 332 | 266 | 222 | 190 | 166 |
| 15                       | 581                   | 436 | 348 | 290 | 249 | 218 | 560                   | 420 | 336 | 280 | 240 | 210 | 523                   | 392 | 314 | 261 | 224 | 196 | 490                   | 367 | 294 | 245 | 210 | 184 |
| 15,5                     | 641                   | 481 | 385 | 321 | 275 | 240 | 618                   | 464 | 371 | 309 | 265 | 232 | 577                   | 433 | 346 | 288 | 247 | 216 | 541                   | 406 | 325 | 270 | 232 | 203 |
| 16                       | 686                   | 514 | 412 | 343 | 294 | 257 | 661                   | 496 | 397 | 331 | 283 | 248 | 617                   | 463 | 370 | 309 | 265 | 231 | 579                   | 434 | 347 | 289 | 248 | 217 |
| 16,5                     | 747                   | 560 | 448 | 374 | 320 | 280 | 720                   | 540 | 432 | 360 | 309 | 270 | 672                   | 504 | 403 | 336 | 288 | 252 | 630                   | 473 | 378 | 315 | 270 | 236 |
| 17                       | 826                   | 620 | 496 | 413 | 354 | 310 | 797                   | 598 | 478 | 398 | 341 | 299 | 744                   | 558 | 446 | 372 | 319 | 279 | 697                   | 523 | 418 | 349 | 299 | 261 |
| 17,5                     | 888                   | 666 | 533 | 444 | 380 | 333 | 856                   | 642 | 514 | 428 | 367 | 321 | 799                   | 599 | 479 | 400 | 342 | 300 | 749                   | 562 | 449 | 375 | 321 | 281 |
| 18                       | 922                   | 691 | 553 | 461 | 395 | 346 | 889                   | 667 | 533 | 444 | 381 | 333 | 830                   | 622 | 498 | 415 | 356 | 311 | 778                   | 583 | 467 | 389 | 333 | 292 |
| 18,5                     | 942                   | 707 | 565 | 471 | 404 | 353 | 909                   | 681 | 545 | 454 | 389 | 341 | 848                   | 636 | 509 | 424 | 363 | 318 | 795                   | 596 | 477 | 398 | 341 | 298 |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**NPK 4 - 12 - 32 Polifoska 4**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: NPK(MgS) 4-12-32-(2-9)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy | Wysiew graniczny |                        |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 1,2                  | ŁK I - 4    | 540 obr/min | 25             | 90                 | 100              | -2                     | -45%                     | 100                 | -4                     | -70%                     | -                |
| 15                | ŁD I - 2                    | ŁK I - 3,1  | 540 obr/min | 35             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
| 16                | ŁD I - 2                    | ŁK I - 3,3  | 540 obr/min | 35             | 80                 | 90               | -2                     | -45%                     | 100                 | -2                     | -45%                     | -                |
| 18                | ŁD I - 2,2                  | ŁK I - 4    | 540 obr/min | 40             | 80                 | 90               | -2                     | -45%                     | 100                 | -2                     | -45%                     | -                |
|                   | ŁD II - 1,2                 | ŁK II - 3,2 | 540 obr/min | 30             | 80                 | 90               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
| 20                | ŁD I - 2,4                  | ŁK I - 4    | 540 obr/min | 45             | 80                 | 90               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 2,3 | 540 obr/min | 30             | 70                 | 80               | 0                      | 0%                       | 90                  | -2                     | -45%                     | -                |
| 21                | ŁD I - 2,4                  | ŁK I - 5    | 540 obr/min | 40             | 70                 | 80               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 3   | 540 obr/min | 40             | 80                 | 90               | 0                      | 0%                       | 100                 | -1                     | -25%                     | -                |
| 24                | ŁD I - 4                    | ŁK I - 3,3  | 540 obr/min | 40             | 70                 | 80               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
|                   | ŁD II - 4                   | ŁK II - 3,1 | 540 obr/min | 30             | 70                 | 80               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
| 27                | ŁD II - 3,2                 | ŁK II - 3   | 540 obr/min | 35             | 70                 | 80               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
| 28                | ŁD II - 3,2                 | ŁK II - 3,3 | 540 obr/min | 40             | 70                 | 80               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
| 30                | ŁD II - 3,4                 | ŁK II - 2,4 | 540 obr/min | 40             | 70                 | 90               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
| 32                | ŁD II - 4                   | ŁK II - 3   | 540 obr/min | 40             | 60                 | 80               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka





# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**NPK 6 - 20 - 30 Polifoska 6**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: NPK(S) 6-20-30-(7)  
Klasa ziarnowa: granulę 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |     |     | 15 m                  |      |      |     |     |     | 16 m                  |      |     |     |     |     | 18 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|------|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 1,2            |      |      |      |     |     | ŁD I - 2              |      |      |     |     |     | ŁD I - 2              |      |     |     |     |     | ŁD I - 2,2            |      |     |     |     |     |
|                          | ŁK I - 4              |      |      |      |     |     | ŁK I - 3,1            |      |      |     |     |     | ŁK I - 3,3            |      |     |     |     |     | ŁK I - 4              |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |     |     |                       |      |      |     |     |     |                       |      |     |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 59                    | 44   | 36   | 30   | 25  | 22  | 47                    | 36   | 28   | 24  | 20  | 18  | 44                    | 33   | 27  | 22  | 19  | 17  | 40                    | 30   | 24  | 20  | 17  | 15  |
| 4,5                      | 76                    | 57   | 46   | 38   | 33  | 29  | 61                    | 46   | 37   | 30  | 26  | 23  | 57                    | 43   | 34  | 29  | 24  | 21  | 51                    | 38   | 30  | 25  | 22  | 19  |
| 5                        | 94                    | 70   | 56   | 47   | 40  | 35  | 75                    | 56   | 45   | 38  | 32  | 28  | 70                    | 53   | 42  | 35  | 30  | 26  | 63                    | 47   | 38  | 31  | 27  | 23  |
| 5,5                      | 114                   | 85   | 68   | 57   | 49  | 43  | 91                    | 68   | 55   | 46  | 39  | 34  | 85                    | 64   | 51  | 43  | 37  | 32  | 76                    | 57   | 46  | 38  | 33  | 28  |
| 6                        | 139                   | 105  | 84   | 70   | 60  | 52  | 111                   | 84   | 67   | 56  | 48  | 42  | 105                   | 78   | 63  | 52  | 45  | 39  | 93                    | 70   | 56  | 46  | 40  | 35  |
| 6,5                      | 165                   | 124  | 99   | 82   | 71  | 62  | 132                   | 99   | 79   | 66  | 56  | 49  | 124                   | 93   | 74  | 62  | 53  | 46  | 110                   | 82   | 66  | 55  | 47  | 41  |
| 7                        | 200                   | 150  | 120  | 100  | 86  | 75  | 160                   | 120  | 96   | 80  | 68  | 60  | 150                   | 112  | 90  | 75  | 64  | 56  | 133                   | 100  | 80  | 67  | 57  | 50  |
| 7,5                      | 238                   | 179  | 143  | 119  | 102 | 89  | 190                   | 143  | 114  | 95  | 82  | 71  | 179                   | 134  | 107 | 89  | 77  | 67  | 159                   | 119  | 95  | 79  | 68  | 60  |
| 8                        | 278                   | 208  | 167  | 139  | 119 | 104 | 222                   | 167  | 133  | 111 | 95  | 83  | 208                   | 156  | 125 | 104 | 89  | 78  | 185                   | 139  | 111 | 93  | 79  | 69  |
| 8,5                      | 327                   | 245  | 196  | 163  | 140 | 122 | 261                   | 196  | 157  | 131 | 112 | 98  | 245                   | 184  | 147 | 122 | 105 | 92  | 218                   | 163  | 131 | 109 | 93  | 82  |
| 9                        | 379                   | 284  | 227  | 189  | 162 | 142 | 303                   | 227  | 182  | 151 | 130 | 114 | 284                   | 213  | 170 | 142 | 122 | 106 | 252                   | 189  | 151 | 126 | 108 | 95  |
| 9,5                      | 434                   | 326  | 261  | 217  | 186 | 163 | 347                   | 261  | 208  | 174 | 149 | 130 | 326                   | 244  | 195 | 163 | 140 | 122 | 290                   | 217  | 174 | 145 | 124 | 109 |
| 10                       | 497                   | 373  | 298  | 249  | 213 | 186 | 398                   | 298  | 239  | 199 | 170 | 149 | 373                   | 280  | 224 | 186 | 160 | 140 | 331                   | 249  | 199 | 166 | 142 | 124 |
| 10,5                     | 557                   | 418  | 334  | 279  | 239 | 209 | 446                   | 334  | 268  | 223 | 191 | 167 | 418                   | 314  | 251 | 209 | 179 | 157 | 372                   | 279  | 223 | 186 | 159 | 139 |
| 11                       | 596                   | 447  | 358  | 298  | 255 | 224 | 477                   | 358  | 286  | 238 | 204 | 179 | 447                   | 335  | 268 | 224 | 192 | 168 | 397                   | 298  | 238 | 199 | 170 | 149 |
| 11,5                     | 670                   | 503  | 402  | 335  | 287 | 251 | 536                   | 402  | 322  | 268 | 230 | 201 | 503                   | 377  | 302 | 251 | 215 | 188 | 447                   | 335  | 268 | 223 | 191 | 168 |
| 12                       | 733                   | 550  | 440  | 366  | 314 | 275 | 586                   | 440  | 352  | 293 | 251 | 220 | 550                   | 412  | 330 | 275 | 236 | 206 | 488                   | 366  | 293 | 244 | 209 | 183 |
| 12,5                     | 832                   | 624  | 499  | 416  | 357 | 312 | 666                   | 499  | 399  | 333 | 285 | 250 | 624                   | 468  | 375 | 312 | 268 | 234 | 555                   | 416  | 333 | 277 | 238 | 208 |
| 13                       | 908                   | 681  | 545  | 454  | 389 | 341 | 727                   | 545  | 436  | 363 | 311 | 273 | 681                   | 511  | 409 | 341 | 292 | 256 | 606                   | 454  | 363 | 303 | 260 | 227 |
| 13,5                     | 1000                  | 750  | 600  | 500  | 429 | 375 | 800                   | 600  | 480  | 400 | 343 | 300 | 750                   | 562  | 450 | 375 | 321 | 281 | 667                   | 500  | 400 | 333 | 286 | 250 |
| 14                       | 1088                  | 816  | 653  | 544  | 466 | 408 | 870                   | 653  | 522  | 435 | 373 | 326 | 816                   | 612  | 490 | 408 | 350 | 306 | 725                   | 544  | 435 | 363 | 311 | 272 |
| 14,5                     | 1182                  | 887  | 709  | 591  | 507 | 443 | 946                   | 709  | 567  | 473 | 405 | 355 | 887                   | 665  | 532 | 443 | 380 | 332 | 788                   | 591  | 473 | 394 | 338 | 296 |
| 15                       | 1307                  | 980  | 784  | 653  | 560 | 490 | 1045                  | 784  | 627  | 523 | 448 | 392 | 980                   | 735  | 588 | 490 | 420 | 367 | 871                   | 653  | 523 | 436 | 373 | 327 |
| 15,5                     | 1442                  | 1082 | 865  | 721  | 618 | 541 | 1154                  | 865  | 692  | 577 | 495 | 433 | 1082                  | 811  | 649 | 541 | 464 | 406 | 962                   | 721  | 577 | 481 | 412 | 361 |
| 16                       | 1543                  | 1157 | 926  | 772  | 661 | 579 | 1235                  | 926  | 741  | 617 | 529 | 463 | 1157                  | 868  | 694 | 579 | 496 | 434 | 1029                  | 772  | 617 | 514 | 441 | 386 |
| 16,5                     | 1681                  | 1261 | 1009 | 841  | 720 | 630 | 1345                  | 1009 | 807  | 672 | 576 | 504 | 1261                  | 946  | 756 | 630 | 540 | 473 | 1121                  | 841  | 672 | 560 | 480 | 420 |
| 17                       | 1859                  | 1394 | 1116 | 930  | 797 | 697 | 1487                  | 1116 | 892  | 744 | 637 | 558 | 1394                  | 1046 | 837 | 697 | 598 | 523 | 1239                  | 930  | 744 | 620 | 531 | 465 |
| 17,5                     | 1998                  | 1498 | 1199 | 999  | 856 | 749 | 1598                  | 1199 | 959  | 799 | 685 | 599 | 1498                  | 1124 | 899 | 749 | 642 | 562 | 1332                  | 999  | 799 | 666 | 571 | 499 |
| 18                       | 2074                  | 1556 | 1244 | 1037 | 889 | 778 | 1659                  | 1244 | 996  | 830 | 711 | 622 | 1556                  | 1167 | 933 | 778 | 667 | 583 | 1383                  | 1037 | 830 | 691 | 593 | 519 |
| 18,5                     | 2120                  | 1590 | 1272 | 1060 | 909 | 795 | 1696                  | 1272 | 1018 | 848 | 727 | 636 | 1590                  | 1193 | 954 | 795 | 681 | 596 | 1413                  | 1060 | 848 | 707 | 606 | 530 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka





# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**NPK 6 - 20 - 30 Polifoska 6**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: NPK(S) 6-20-30-(7)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 2,4            |     |     |     |     |     | ŁD I - 2,4            |     |     |     |     |     | ŁD I - 4              |     |     |     |     |     |
|                          | ŁK I - 4              |     |     |     |     |     | ŁK I - 5              |     |     |     |     |     | ŁK I - 3,3            |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 36                    | 27  | 21  | 18  | 15  | 13  | 34                    | 25  | 20  | 17  | 15  | 13  | 30                    | 22  | 18  | 15  | 13  | 11  |
| 4,5                      | 46                    | 34  | 27  | 23  | 20  | 17  | 43                    | 33  | 26  | 22  | 19  | 16  | 38                    | 29  | 23  | 19  | 16  | 14  |
| 5                        | 56                    | 42  | 34  | 28  | 24  | 21  | 54                    | 40  | 32  | 27  | 23  | 20  | 47                    | 35  | 28  | 23  | 20  | 18  |
| 5,5                      | 68                    | 51  | 41  | 34  | 29  | 26  | 65                    | 49  | 39  | 33  | 28  | 24  | 57                    | 43  | 34  | 28  | 24  | 21  |
| 6                        | 84                    | 63  | 50  | 42  | 36  | 31  | 80                    | 60  | 48  | 40  | 34  | 30  | 70                    | 52  | 42  | 35  | 30  | 26  |
| 6,5                      | 99                    | 74  | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 120                   | 90  | 72  | 60  | 51  | 45  | 114                   | 86  | 68  | 57  | 49  | 43  | 100                   | 75  | 60  | 50  | 43  | 37  |
| 7,5                      | 143                   | 107 | 86  | 71  | 61  | 54  | 136                   | 102 | 82  | 68  | 58  | 51  | 119                   | 89  | 71  | 60  | 51  | 45  |
| 8                        | 167                   | 125 | 100 | 83  | 71  | 63  | 159                   | 119 | 95  | 79  | 68  | 60  | 139                   | 104 | 83  | 69  | 60  | 52  |
| 8,5                      | 196                   | 147 | 118 | 98  | 84  | 73  | 187                   | 140 | 112 | 93  | 80  | 70  | 163                   | 122 | 98  | 82  | 70  | 61  |
| 9                        | 227                   | 170 | 136 | 114 | 97  | 85  | 216                   | 162 | 130 | 108 | 93  | 81  | 189                   | 142 | 114 | 95  | 81  | 71  |
| 9,5                      | 261                   | 195 | 156 | 130 | 112 | 98  | 248                   | 186 | 149 | 124 | 106 | 93  | 217                   | 163 | 130 | 109 | 93  | 81  |
| 10                       | 298                   | 224 | 179 | 149 | 128 | 112 | 284                   | 213 | 170 | 142 | 122 | 107 | 249                   | 186 | 149 | 124 | 107 | 93  |
| 10,5                     | 334                   | 251 | 201 | 167 | 143 | 125 | 319                   | 239 | 191 | 159 | 137 | 119 | 279                   | 209 | 167 | 139 | 119 | 105 |
| 11                       | 358                   | 268 | 215 | 179 | 153 | 134 | 341                   | 255 | 204 | 170 | 146 | 128 | 298                   | 224 | 179 | 149 | 128 | 112 |
| 11,5                     | 402                   | 302 | 241 | 201 | 172 | 151 | 383                   | 287 | 230 | 191 | 164 | 144 | 335                   | 251 | 201 | 168 | 144 | 126 |
| 12                       | 440                   | 330 | 264 | 220 | 188 | 165 | 419                   | 314 | 251 | 209 | 179 | 157 | 366                   | 275 | 220 | 183 | 157 | 137 |
| 12,5                     | 499                   | 375 | 300 | 250 | 214 | 187 | 476                   | 357 | 285 | 238 | 204 | 178 | 416                   | 312 | 250 | 208 | 178 | 156 |
| 13                       | 545                   | 409 | 327 | 273 | 234 | 204 | 519                   | 389 | 311 | 260 | 222 | 195 | 454                   | 341 | 273 | 227 | 195 | 170 |
| 13,5                     | 600                   | 450 | 360 | 300 | 257 | 225 | 571                   | 429 | 343 | 286 | 245 | 214 | 500                   | 375 | 300 | 250 | 214 | 187 |
| 14                       | 653                   | 490 | 392 | 326 | 280 | 245 | 622                   | 466 | 373 | 311 | 266 | 233 | 544                   | 408 | 326 | 272 | 233 | 204 |
| 14,5                     | 709                   | 532 | 426 | 355 | 304 | 266 | 675                   | 507 | 405 | 338 | 289 | 253 | 591                   | 443 | 355 | 296 | 253 | 222 |
| 15                       | 784                   | 588 | 470 | 392 | 336 | 294 | 747                   | 560 | 448 | 373 | 320 | 280 | 653                   | 490 | 392 | 327 | 280 | 245 |
| 15,5                     | 865                   | 649 | 519 | 433 | 371 | 325 | 824                   | 618 | 495 | 412 | 353 | 309 | 721                   | 541 | 433 | 361 | 309 | 270 |
| 16                       | 926                   | 694 | 556 | 463 | 397 | 347 | 882                   | 661 | 529 | 441 | 378 | 331 | 772                   | 579 | 463 | 386 | 331 | 289 |
| 16,5                     | 1009                  | 756 | 605 | 504 | 432 | 378 | 961                   | 720 | 576 | 480 | 412 | 360 | 841                   | 630 | 504 | 420 | 360 | 315 |
| 17                       | 1116                  | 837 | 669 | 558 | 478 | 418 | 1062                  | 797 | 637 | 531 | 455 | 398 | 930                   | 697 | 558 | 465 | 398 | 349 |
| 17,5                     | 1199                  | 899 | 719 | 599 | 514 | 449 | 1141                  | 856 | 685 | 571 | 489 | 428 | 999                   | 749 | 599 | 499 | 428 | 375 |
| 18                       | 1244                  | 933 | 747 | 622 | 533 | 467 | 1185                  | 889 | 711 | 593 | 508 | 444 | 1037                  | 778 | 622 | 519 | 444 | 389 |
| 18,5                     | 1272                  | 954 | 763 | 636 | 545 | 477 | 1211                  | 909 | 727 | 606 | 519 | 454 | 1060                  | 795 | 636 | 530 | 454 | 398 |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



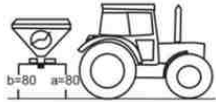
**NPK 6 - 20 - 30 Polifoska 6**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: NPK(S) 6-20-30-(7)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |     |     |     |     | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | LD II - 3,1           |      |     |     |     |     | LD II - 2             |     |     |     |     |     | LD II - 2             |     |     |     |     |     | LD II - 4             |     |     |     |     |     |
|                          | ŁK II - 1,1           |      |     |     |     |     | ŁK II - 2,3           |     |     |     |     |     | ŁK II - 3             |     |     |     |     |     | ŁK II - 3,1           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 40                    | 30   | 24  | 20  | 17  | 15  | 36                    | 27  | 21  | 18  | 15  | 13  | 34                    | 25  | 20  | 17  | 15  | 13  | 30                    | 22  | 18  | 15  | 13  | 11  |
| 4,5                      | 51                    | 38   | 30  | 25  | 22  | 19  | 46                    | 34  | 27  | 23  | 20  | 17  | 43                    | 33  | 26  | 22  | 19  | 16  | 38                    | 29  | 23  | 19  | 16  | 14  |
| 5                        | 63                    | 47   | 38  | 31  | 27  | 23  | 56                    | 42  | 34  | 28  | 24  | 21  | 54                    | 40  | 32  | 27  | 23  | 20  | 47                    | 35  | 28  | 23  | 20  | 18  |
| 5,5                      | 76                    | 57   | 46  | 38  | 33  | 28  | 68                    | 51  | 41  | 34  | 29  | 26  | 65                    | 49  | 39  | 33  | 28  | 24  | 57                    | 43  | 34  | 28  | 24  | 21  |
| 6                        | 93                    | 70   | 56  | 46  | 40  | 35  | 84                    | 63  | 50  | 42  | 36  | 31  | 80                    | 60  | 48  | 40  | 34  | 30  | 70                    | 52  | 42  | 35  | 30  | 26  |
| 6,5                      | 110                   | 82   | 66  | 55  | 47  | 41  | 99                    | 74  | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 133                   | 100  | 80  | 67  | 57  | 50  | 120                   | 90  | 72  | 60  | 51  | 45  | 114                   | 86  | 68  | 57  | 49  | 43  | 100                   | 75  | 60  | 50  | 43  | 37  |
| 7,5                      | 159                   | 119  | 95  | 79  | 68  | 60  | 143                   | 107 | 86  | 71  | 61  | 54  | 136                   | 102 | 82  | 68  | 58  | 51  | 119                   | 89  | 71  | 60  | 51  | 45  |
| 8                        | 185                   | 139  | 111 | 93  | 79  | 69  | 167                   | 125 | 100 | 83  | 71  | 63  | 159                   | 119 | 95  | 79  | 68  | 60  | 139                   | 104 | 83  | 69  | 60  | 52  |
| 8,5                      | 218                   | 163  | 131 | 109 | 93  | 82  | 196                   | 147 | 118 | 98  | 84  | 73  | 187                   | 140 | 112 | 93  | 80  | 70  | 163                   | 122 | 98  | 82  | 70  | 61  |
| 9                        | 252                   | 189  | 151 | 126 | 108 | 95  | 227                   | 170 | 136 | 114 | 97  | 85  | 216                   | 162 | 130 | 108 | 93  | 81  | 189                   | 142 | 114 | 95  | 81  | 71  |
| 9,5                      | 290                   | 217  | 174 | 145 | 124 | 109 | 261                   | 195 | 156 | 130 | 112 | 98  | 248                   | 186 | 149 | 124 | 106 | 93  | 217                   | 163 | 130 | 109 | 93  | 81  |
| 10                       | 331                   | 249  | 199 | 166 | 142 | 124 | 298                   | 224 | 179 | 149 | 128 | 112 | 284                   | 213 | 170 | 142 | 122 | 107 | 249                   | 186 | 149 | 124 | 107 | 93  |
| 10,5                     | 372                   | 279  | 223 | 186 | 159 | 139 | 334                   | 251 | 201 | 167 | 143 | 125 | 319                   | 239 | 191 | 159 | 137 | 119 | 279                   | 209 | 167 | 139 | 119 | 105 |
| 11                       | 397                   | 298  | 238 | 199 | 170 | 149 | 358                   | 268 | 215 | 179 | 153 | 134 | 341                   | 255 | 204 | 170 | 146 | 128 | 298                   | 224 | 179 | 149 | 128 | 112 |
| 11,5                     | 447                   | 335  | 268 | 223 | 191 | 168 | 402                   | 302 | 241 | 201 | 172 | 151 | 383                   | 287 | 230 | 191 | 164 | 144 | 335                   | 251 | 201 | 168 | 144 | 126 |
| 12                       | 488                   | 366  | 293 | 244 | 209 | 183 | 440                   | 330 | 264 | 220 | 188 | 165 | 419                   | 314 | 251 | 209 | 179 | 157 | 366                   | 275 | 220 | 183 | 157 | 137 |
| 12,5                     | 555                   | 416  | 333 | 277 | 238 | 208 | 499                   | 375 | 300 | 250 | 214 | 187 | 476                   | 357 | 285 | 238 | 204 | 178 | 416                   | 312 | 250 | 208 | 178 | 156 |
| 13                       | 606                   | 454  | 363 | 303 | 260 | 227 | 545                   | 409 | 327 | 273 | 234 | 204 | 519                   | 389 | 311 | 260 | 222 | 195 | 454                   | 341 | 273 | 227 | 195 | 170 |
| 13,5                     | 667                   | 500  | 400 | 333 | 286 | 250 | 600                   | 450 | 360 | 300 | 257 | 225 | 571                   | 429 | 343 | 286 | 245 | 214 | 500                   | 375 | 300 | 250 | 214 | 187 |
| 14                       | 725                   | 544  | 435 | 363 | 311 | 272 | 653                   | 490 | 392 | 326 | 280 | 245 | 622                   | 466 | 373 | 311 | 266 | 233 | 544                   | 408 | 326 | 272 | 233 | 204 |
| 14,5                     | 788                   | 591  | 473 | 394 | 338 | 296 | 709                   | 532 | 426 | 355 | 304 | 266 | 675                   | 507 | 405 | 338 | 289 | 253 | 591                   | 443 | 355 | 296 | 253 | 222 |
| 15                       | 871                   | 653  | 523 | 436 | 373 | 327 | 784                   | 588 | 470 | 392 | 336 | 294 | 747                   | 560 | 448 | 373 | 320 | 280 | 653                   | 490 | 392 | 327 | 280 | 245 |
| 15,5                     | 962                   | 721  | 577 | 481 | 412 | 361 | 865                   | 649 | 519 | 433 | 371 | 325 | 824                   | 618 | 495 | 412 | 353 | 309 | 721                   | 541 | 433 | 361 | 309 | 270 |
| 16                       | 1029                  | 772  | 617 | 514 | 441 | 386 | 926                   | 694 | 556 | 463 | 397 | 347 | 882                   | 661 | 529 | 441 | 378 | 331 | 772                   | 579 | 463 | 386 | 331 | 289 |
| 16,5                     | 1121                  | 841  | 672 | 560 | 480 | 420 | 1009                  | 756 | 605 | 504 | 432 | 378 | 961                   | 720 | 576 | 480 | 412 | 360 | 841                   | 630 | 504 | 420 | 360 | 315 |
| 17                       | 1239                  | 930  | 744 | 620 | 531 | 465 | 1116                  | 837 | 669 | 558 | 478 | 418 | 1062                  | 797 | 637 | 531 | 455 | 398 | 930                   | 697 | 558 | 465 | 398 | 349 |
| 17,5                     | 1332                  | 999  | 799 | 666 | 571 | 499 | 1199                  | 899 | 719 | 599 | 514 | 449 | 1141                  | 856 | 685 | 571 | 489 | 428 | 999                   | 749 | 599 | 499 | 428 | 375 |
| 18                       | 1383                  | 1037 | 830 | 691 | 593 | 519 | 1244                  | 933 | 747 | 622 | 533 | 467 | 1185                  | 889 | 711 | 593 | 508 | 444 | 1037                  | 778 | 622 | 519 | 444 | 389 |
| 18,5                     | 1413                  | 1060 | 848 | 707 | 606 | 530 | 1272                  | 954 | 763 | 636 | 545 | 477 | 1211                  | 909 | 727 | 606 | 519 | 454 | 1060                  | 795 | 636 | 530 | 454 | 398 |

LD I - Łopatka I długa  
LD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**NPK 6 - 20 - 30 Polifoska 6**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: NPK(S) 6-20-30-(7)  
 Klasa ziarnowa: granule 2-5 mm, nie mniej niż 92%  
 Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     | 32 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 3,2           |     |     |     |     |     | ŁD II - 3,2           |     |     |     |     |     | ŁD II - 3,4           |     |     |     |     |     | ŁD II - 4             |     |     |     |     |     |
|                          | ŁK II - 3             |     |     |     |     |     | ŁK II - 3,3           |     |     |     |     |     | ŁK II - 2,4           |     |     |     |     |     | ŁK II - 3             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 26                    | 20  | 16  | 13  | 11  | 10  | 25                    | 19  | 15  | 13  | 11  | 10  | 24                    | 18  | 14  | 12  | 10  | 9   | 22                    | 17  | 13  | 11  | 10  | 8   |
| 4,5                      | 34                    | 25  | 20  | 17  | 14  | 13  | 33                    | 24  | 20  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  | 29                    | 21  | 17  | 14  | 12  | 11  |
| 5                        | 42                    | 31  | 25  | 21  | 18  | 16  | 40                    | 30  | 24  | 20  | 17  | 15  | 38                    | 28  | 23  | 19  | 16  | 14  | 35                    | 26  | 21  | 18  | 15  | 13  |
| 5,5                      | 51                    | 38  | 30  | 25  | 22  | 19  | 49                    | 37  | 29  | 24  | 21  | 18  | 46                    | 34  | 27  | 23  | 20  | 17  | 43                    | 32  | 26  | 21  | 18  | 16  |
| 6                        | 62                    | 46  | 37  | 31  | 27  | 23  | 60                    | 45  | 36  | 30  | 26  | 22  | 56                    | 42  | 33  | 28  | 24  | 21  | 52                    | 39  | 31  | 26  | 22  | 20  |
| 6,5                      | 73                    | 55  | 44  | 37  | 31  | 27  | 71                    | 53  | 42  | 35  | 30  | 26  | 66                    | 49  | 40  | 33  | 28  | 25  | 62                    | 46  | 37  | 31  | 26  | 23  |
| 7                        | 89                    | 67  | 53  | 44  | 38  | 33  | 86                    | 64  | 51  | 43  | 37  | 32  | 80                    | 60  | 48  | 40  | 34  | 30  | 75                    | 56  | 45  | 37  | 32  | 28  |
| 7,5                      | 106                   | 79  | 63  | 53  | 45  | 40  | 102                   | 77  | 61  | 51  | 44  | 38  | 95                    | 71  | 57  | 48  | 41  | 36  | 89                    | 67  | 54  | 45  | 38  | 33  |
| 8                        | 123                   | 93  | 74  | 62  | 53  | 46  | 119                   | 89  | 71  | 60  | 51  | 45  | 111                   | 83  | 67  | 56  | 48  | 42  | 104                   | 78  | 63  | 52  | 45  | 39  |
| 8,5                      | 145                   | 109 | 87  | 73  | 62  | 54  | 140                   | 105 | 84  | 70  | 60  | 52  | 131                   | 98  | 78  | 65  | 56  | 49  | 122                   | 92  | 73  | 61  | 52  | 46  |
| 9                        | 168                   | 126 | 101 | 84  | 72  | 63  | 162                   | 122 | 97  | 81  | 70  | 61  | 151                   | 114 | 91  | 76  | 65  | 57  | 142                   | 106 | 85  | 71  | 61  | 53  |
| 9,5                      | 193                   | 145 | 116 | 97  | 83  | 72  | 186                   | 140 | 112 | 93  | 80  | 70  | 174                   | 130 | 104 | 87  | 74  | 65  | 163                   | 122 | 98  | 81  | 70  | 61  |
| 10                       | 221                   | 166 | 133 | 110 | 95  | 83  | 213                   | 160 | 128 | 107 | 91  | 80  | 199                   | 149 | 119 | 99  | 85  | 75  | 186                   | 140 | 112 | 93  | 80  | 70  |
| 10,5                     | 248                   | 186 | 149 | 124 | 106 | 93  | 239                   | 179 | 143 | 119 | 102 | 90  | 223                   | 167 | 134 | 111 | 96  | 84  | 209                   | 157 | 125 | 105 | 90  | 78  |
| 11                       | 265                   | 199 | 159 | 132 | 114 | 99  | 255                   | 192 | 153 | 128 | 109 | 96  | 238                   | 179 | 143 | 119 | 102 | 89  | 224                   | 168 | 134 | 112 | 96  | 84  |
| 11,5                     | 298                   | 223 | 179 | 149 | 128 | 112 | 287                   | 215 | 172 | 144 | 123 | 108 | 268                   | 201 | 161 | 134 | 115 | 101 | 251                   | 188 | 151 | 126 | 108 | 94  |
| 12                       | 326                   | 244 | 195 | 163 | 140 | 122 | 314                   | 236 | 188 | 157 | 135 | 118 | 293                   | 220 | 176 | 147 | 126 | 110 | 275                   | 206 | 165 | 137 | 118 | 103 |
| 12,5                     | 370                   | 277 | 222 | 185 | 159 | 139 | 357                   | 268 | 214 | 178 | 153 | 134 | 333                   | 250 | 200 | 166 | 143 | 125 | 312                   | 234 | 187 | 156 | 134 | 117 |
| 13                       | 404                   | 303 | 242 | 202 | 173 | 151 | 389                   | 292 | 234 | 195 | 167 | 146 | 363                   | 273 | 218 | 182 | 156 | 136 | 341                   | 256 | 204 | 170 | 146 | 128 |
| 13,5                     | 444                   | 333 | 267 | 222 | 190 | 167 | 429                   | 321 | 257 | 214 | 184 | 161 | 400                   | 300 | 240 | 200 | 171 | 150 | 375                   | 281 | 225 | 187 | 161 | 141 |
| 14                       | 484                   | 363 | 290 | 242 | 207 | 181 | 466                   | 350 | 280 | 233 | 200 | 175 | 435                   | 326 | 261 | 218 | 187 | 163 | 408                   | 306 | 245 | 204 | 175 | 153 |
| 14,5                     | 525                   | 394 | 315 | 263 | 225 | 197 | 507                   | 380 | 304 | 253 | 217 | 190 | 473                   | 355 | 284 | 236 | 203 | 177 | 443                   | 332 | 266 | 222 | 190 | 166 |
| 15                       | 581                   | 436 | 348 | 290 | 249 | 218 | 560                   | 420 | 336 | 280 | 240 | 210 | 523                   | 392 | 314 | 261 | 224 | 196 | 490                   | 367 | 294 | 245 | 210 | 184 |
| 15,5                     | 641                   | 481 | 385 | 321 | 275 | 240 | 618                   | 464 | 371 | 309 | 265 | 232 | 577                   | 433 | 346 | 288 | 247 | 216 | 541                   | 406 | 325 | 270 | 232 | 203 |
| 16                       | 686                   | 514 | 412 | 343 | 294 | 257 | 661                   | 496 | 397 | 331 | 283 | 248 | 617                   | 463 | 370 | 309 | 265 | 231 | 579                   | 434 | 347 | 289 | 248 | 217 |
| 16,5                     | 747                   | 560 | 448 | 374 | 320 | 280 | 720                   | 540 | 432 | 360 | 309 | 270 | 672                   | 504 | 403 | 336 | 288 | 252 | 630                   | 473 | 378 | 315 | 270 | 236 |
| 17                       | 826                   | 620 | 496 | 413 | 354 | 310 | 797                   | 598 | 478 | 398 | 341 | 299 | 744                   | 558 | 446 | 372 | 319 | 279 | 697                   | 523 | 418 | 349 | 299 | 261 |
| 17,5                     | 888                   | 666 | 533 | 444 | 380 | 333 | 856                   | 642 | 514 | 428 | 367 | 321 | 799                   | 599 | 479 | 400 | 342 | 300 | 749                   | 562 | 449 | 375 | 321 | 281 |
| 18                       | 922                   | 691 | 553 | 461 | 395 | 346 | 889                   | 667 | 533 | 444 | 381 | 333 | 830                   | 622 | 498 | 415 | 356 | 311 | 778                   | 583 | 467 | 389 | 333 | 292 |
| 18,5                     | 942                   | 707 | 565 | 471 | 404 | 353 | 909                   | 681 | 545 | 454 | 389 | 341 | 848                   | 636 | 509 | 424 | 363 | 318 | 795                   | 596 | 477 | 398 | 341 | 298 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**NPK 6 - 20 - 30 Polifoska 6**

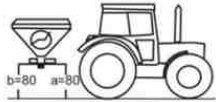
**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: NPK(S) 6-20-30-(7)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy | Wysiew graniczny |                        |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 1,2                  | ŁK I - 4    | 540 obr/min | 25             | 90                 | 100              | -2                     | -45%                     | 100                 | -4                     | -70%                     | -                |
| 15                | ŁD I - 2                    | ŁK I - 3,1  | 540 obr/min | 35             | 80                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
| 16                | ŁD I - 2                    | ŁK I - 3,3  | 540 obr/min | 35             | 80                 | 90               | -2                     | -45%                     | 100                 | -2                     | -45%                     | -                |
| 18                | ŁD I - 2,2                  | ŁK I - 4    | 540 obr/min | 40             | 80                 | 90               | -2                     | -45%                     | 100                 | -2                     | -45%                     | -                |
|                   | ŁD II - 1,2                 | ŁK II - 3,2 | 540 obr/min | 30             | 80                 | 90               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
| 20                | ŁD I - 2,4                  | ŁK I - 4    | 540 obr/min | 45             | 80                 | 90               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 2,3 | 540 obr/min | 30             | 70                 | 80               | 0                      | 0%                       | 90                  | -2                     | -45%                     | -                |
| 21                | ŁD I - 2,4                  | ŁK I - 5    | 540 obr/min | 40             | 70                 | 80               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 3   | 540 obr/min | 40             | 80                 | 90               | 0                      | 0%                       | 100                 | -1                     | -25%                     | -                |
| 24                | ŁD I - 4                    | ŁK I - 3,3  | 540 obr/min | 40             | 70                 | 80               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
|                   | ŁD II - 4                   | ŁK II - 3,1 | 540 obr/min | 30             | 70                 | 80               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
| 27                | ŁD II - 3,2                 | ŁK II - 3   | 540 obr/min | 35             | 70                 | 80               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
| 28                | ŁD II - 3,2                 | ŁK II - 3,3 | 540 obr/min | 40             | 70                 | 80               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
| 30                | ŁD II - 3,4                 | ŁK II - 2,4 | 540 obr/min | 40             | 70                 | 90               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
| 32                | ŁD II - 4                   | ŁK II - 3   | 540 obr/min | 40             | 60                 | 80               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka





# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**NPK 8 - 24 - 24 Polifoska 8**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: NPK(S) 8-24-24-(9)  
Klasa ziarnowa: granulę 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |     |     | 15 m                  |      |      |     |     |     | 16 m                  |      |     |     |     |     | 18 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|------|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 1,2            |      |      |      |     |     | ŁD I - 2              |      |      |     |     |     | ŁD I - 2              |      |     |     |     |     | ŁD I - 2,2            |      |     |     |     |     |
|                          | ŁK I - 4              |      |      |      |     |     | ŁK I - 3,1            |      |      |     |     |     | ŁK I - 3,3            |      |     |     |     |     | ŁK I - 4              |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |     |     |                       |      |      |     |     |     |                       |      |     |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 59                    | 44   | 36   | 30   | 25  | 22  | 47                    | 36   | 28   | 24  | 20  | 18  | 44                    | 33   | 27  | 22  | 19  | 17  | 40                    | 30   | 24  | 20  | 17  | 15  |
| 4,5                      | 76                    | 57   | 46   | 38   | 33  | 29  | 61                    | 46   | 37   | 30  | 26  | 23  | 57                    | 43   | 34  | 29  | 24  | 21  | 51                    | 38   | 30  | 25  | 22  | 19  |
| 5                        | 94                    | 70   | 56   | 47   | 40  | 35  | 75                    | 56   | 45   | 38  | 32  | 28  | 70                    | 53   | 42  | 35  | 30  | 26  | 63                    | 47   | 38  | 31  | 27  | 23  |
| 5,5                      | 114                   | 85   | 68   | 57   | 49  | 43  | 91                    | 68   | 55   | 46  | 39  | 34  | 85                    | 64   | 51  | 43  | 37  | 32  | 76                    | 57   | 46  | 38  | 33  | 28  |
| 6                        | 139                   | 105  | 84   | 70   | 60  | 52  | 111                   | 84   | 67   | 56  | 48  | 42  | 105                   | 78   | 63  | 52  | 45  | 39  | 93                    | 70   | 56  | 46  | 40  | 35  |
| 6,5                      | 165                   | 124  | 99   | 82   | 71  | 62  | 132                   | 99   | 79   | 66  | 56  | 49  | 124                   | 93   | 74  | 62  | 53  | 46  | 110                   | 82   | 66  | 55  | 47  | 41  |
| 7                        | 200                   | 150  | 120  | 100  | 86  | 75  | 160                   | 120  | 96   | 80  | 68  | 60  | 150                   | 112  | 90  | 75  | 64  | 56  | 133                   | 100  | 80  | 67  | 57  | 50  |
| 7,5                      | 238                   | 179  | 143  | 119  | 102 | 89  | 190                   | 143  | 114  | 95  | 82  | 71  | 179                   | 134  | 107 | 89  | 77  | 67  | 159                   | 119  | 95  | 79  | 68  | 60  |
| 8                        | 278                   | 208  | 167  | 139  | 119 | 104 | 222                   | 167  | 133  | 111 | 95  | 83  | 208                   | 156  | 125 | 104 | 89  | 78  | 185                   | 139  | 111 | 93  | 79  | 69  |
| 8,5                      | 327                   | 245  | 196  | 163  | 140 | 122 | 261                   | 196  | 157  | 131 | 112 | 98  | 245                   | 184  | 147 | 122 | 105 | 92  | 218                   | 163  | 131 | 109 | 93  | 82  |
| 9                        | 379                   | 284  | 227  | 189  | 162 | 142 | 303                   | 227  | 182  | 151 | 130 | 114 | 284                   | 213  | 170 | 142 | 122 | 106 | 252                   | 189  | 151 | 126 | 108 | 95  |
| 9,5                      | 434                   | 326  | 261  | 217  | 186 | 163 | 347                   | 261  | 208  | 174 | 149 | 130 | 326                   | 244  | 195 | 163 | 140 | 122 | 290                   | 217  | 174 | 145 | 124 | 109 |
| 10                       | 497                   | 373  | 298  | 249  | 213 | 186 | 398                   | 298  | 239  | 199 | 170 | 149 | 373                   | 280  | 224 | 186 | 160 | 140 | 331                   | 249  | 199 | 166 | 142 | 124 |
| 10,5                     | 557                   | 418  | 334  | 279  | 239 | 209 | 446                   | 334  | 268  | 223 | 191 | 167 | 418                   | 314  | 251 | 209 | 179 | 157 | 372                   | 279  | 223 | 186 | 159 | 139 |
| 11                       | 596                   | 447  | 358  | 298  | 255 | 224 | 477                   | 358  | 286  | 238 | 204 | 179 | 447                   | 335  | 268 | 224 | 192 | 168 | 397                   | 298  | 238 | 199 | 170 | 149 |
| 11,5                     | 670                   | 503  | 402  | 335  | 287 | 251 | 536                   | 402  | 322  | 268 | 230 | 201 | 503                   | 377  | 302 | 251 | 215 | 188 | 447                   | 335  | 268 | 223 | 191 | 168 |
| 12                       | 733                   | 550  | 440  | 366  | 314 | 275 | 586                   | 440  | 352  | 293 | 251 | 220 | 550                   | 412  | 330 | 275 | 236 | 206 | 488                   | 366  | 293 | 244 | 209 | 183 |
| 12,5                     | 832                   | 624  | 499  | 416  | 357 | 312 | 666                   | 499  | 399  | 333 | 285 | 250 | 624                   | 468  | 375 | 312 | 268 | 234 | 555                   | 416  | 333 | 277 | 238 | 208 |
| 13                       | 908                   | 681  | 545  | 454  | 389 | 341 | 727                   | 545  | 436  | 363 | 311 | 273 | 681                   | 511  | 409 | 341 | 292 | 256 | 606                   | 454  | 363 | 303 | 260 | 227 |
| 13,5                     | 1000                  | 750  | 600  | 500  | 429 | 375 | 800                   | 600  | 480  | 400 | 343 | 300 | 750                   | 562  | 450 | 375 | 321 | 281 | 667                   | 500  | 400 | 333 | 286 | 250 |
| 14                       | 1088                  | 816  | 653  | 544  | 466 | 408 | 870                   | 653  | 522  | 435 | 373 | 326 | 816                   | 612  | 490 | 408 | 350 | 306 | 725                   | 544  | 435 | 363 | 311 | 272 |
| 14,5                     | 1182                  | 887  | 709  | 591  | 507 | 443 | 946                   | 709  | 567  | 473 | 405 | 355 | 887                   | 665  | 532 | 443 | 380 | 332 | 788                   | 591  | 473 | 394 | 338 | 296 |
| 15                       | 1307                  | 980  | 784  | 653  | 560 | 490 | 1045                  | 784  | 627  | 523 | 448 | 392 | 980                   | 735  | 588 | 490 | 420 | 367 | 871                   | 653  | 523 | 436 | 373 | 327 |
| 15,5                     | 1442                  | 1082 | 865  | 721  | 618 | 541 | 1154                  | 865  | 692  | 577 | 495 | 433 | 1082                  | 811  | 649 | 541 | 464 | 406 | 962                   | 721  | 577 | 481 | 412 | 361 |
| 16                       | 1543                  | 1157 | 926  | 772  | 661 | 579 | 1235                  | 926  | 741  | 617 | 529 | 463 | 1157                  | 868  | 694 | 579 | 496 | 434 | 1029                  | 772  | 617 | 514 | 441 | 386 |
| 16,5                     | 1681                  | 1261 | 1009 | 841  | 720 | 630 | 1345                  | 1009 | 807  | 672 | 576 | 504 | 1261                  | 946  | 756 | 630 | 540 | 473 | 1121                  | 841  | 672 | 560 | 480 | 420 |
| 17                       | 1859                  | 1394 | 1116 | 930  | 797 | 697 | 1487                  | 1116 | 892  | 744 | 637 | 558 | 1394                  | 1046 | 837 | 697 | 598 | 523 | 1239                  | 930  | 744 | 620 | 531 | 465 |
| 17,5                     | 1998                  | 1498 | 1199 | 999  | 856 | 749 | 1598                  | 1199 | 959  | 799 | 685 | 599 | 1498                  | 1124 | 899 | 749 | 642 | 562 | 1332                  | 999  | 799 | 666 | 571 | 499 |
| 18                       | 2074                  | 1556 | 1244 | 1037 | 889 | 778 | 1659                  | 1244 | 996  | 830 | 711 | 622 | 1556                  | 1167 | 933 | 778 | 667 | 583 | 1383                  | 1037 | 830 | 691 | 593 | 519 |
| 18,5                     | 2120                  | 1590 | 1272 | 1060 | 909 | 795 | 1696                  | 1272 | 1018 | 848 | 727 | 636 | 1590                  | 1193 | 954 | 795 | 681 | 596 | 1413                  | 1060 | 848 | 707 | 606 | 530 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**NPK 8 - 24 - 24 Polifoska 8**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: NPK(S) 8-24-24-(9)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 2,4            |     |     |     |     |     | ŁD I - 2,4            |     |     |     |     |     | ŁD I - 4              |     |     |     |     |     |
|                          | ŁK I - 4              |     |     |     |     |     | ŁK I - 5              |     |     |     |     |     | ŁK I - 3,3            |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 36                    | 27  | 21  | 18  | 15  | 13  | 34                    | 25  | 20  | 17  | 15  | 13  | 30                    | 22  | 18  | 15  | 13  | 11  |
| 4,5                      | 46                    | 34  | 27  | 23  | 20  | 17  | 43                    | 33  | 26  | 22  | 19  | 16  | 38                    | 29  | 23  | 19  | 16  | 14  |
| 5                        | 56                    | 42  | 34  | 28  | 24  | 21  | 54                    | 40  | 32  | 27  | 23  | 20  | 47                    | 35  | 28  | 23  | 20  | 18  |
| 5,5                      | 68                    | 51  | 41  | 34  | 29  | 26  | 65                    | 49  | 39  | 33  | 28  | 24  | 57                    | 43  | 34  | 28  | 24  | 21  |
| 6                        | 84                    | 63  | 50  | 42  | 36  | 31  | 80                    | 60  | 48  | 40  | 34  | 30  | 70                    | 52  | 42  | 35  | 30  | 26  |
| 6,5                      | 99                    | 74  | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 120                   | 90  | 72  | 60  | 51  | 45  | 114                   | 86  | 68  | 57  | 49  | 43  | 100                   | 75  | 60  | 50  | 43  | 37  |
| 7,5                      | 143                   | 107 | 86  | 71  | 61  | 54  | 136                   | 102 | 82  | 68  | 58  | 51  | 119                   | 89  | 71  | 60  | 51  | 45  |
| 8                        | 167                   | 125 | 100 | 83  | 71  | 63  | 159                   | 119 | 95  | 79  | 68  | 60  | 139                   | 104 | 83  | 69  | 60  | 52  |
| 8,5                      | 196                   | 147 | 118 | 98  | 84  | 73  | 187                   | 140 | 112 | 93  | 80  | 70  | 163                   | 122 | 98  | 82  | 70  | 61  |
| 9                        | 227                   | 170 | 136 | 114 | 97  | 85  | 216                   | 162 | 130 | 108 | 93  | 81  | 189                   | 142 | 114 | 95  | 81  | 71  |
| 9,5                      | 261                   | 195 | 156 | 130 | 112 | 98  | 248                   | 186 | 149 | 124 | 106 | 93  | 217                   | 163 | 130 | 109 | 93  | 81  |
| 10                       | 298                   | 224 | 179 | 149 | 128 | 112 | 284                   | 213 | 170 | 142 | 122 | 107 | 249                   | 186 | 149 | 124 | 107 | 93  |
| 10,5                     | 334                   | 251 | 201 | 167 | 143 | 125 | 319                   | 239 | 191 | 159 | 137 | 119 | 279                   | 209 | 167 | 139 | 119 | 105 |
| 11                       | 358                   | 268 | 215 | 179 | 153 | 134 | 341                   | 255 | 204 | 170 | 146 | 128 | 298                   | 224 | 179 | 149 | 128 | 112 |
| 11,5                     | 402                   | 302 | 241 | 201 | 172 | 151 | 383                   | 287 | 230 | 191 | 164 | 144 | 335                   | 251 | 201 | 168 | 144 | 126 |
| 12                       | 440                   | 330 | 264 | 220 | 188 | 165 | 419                   | 314 | 251 | 209 | 179 | 157 | 366                   | 275 | 220 | 183 | 157 | 137 |
| 12,5                     | 499                   | 375 | 300 | 250 | 214 | 187 | 476                   | 357 | 285 | 238 | 204 | 178 | 416                   | 312 | 250 | 208 | 178 | 156 |
| 13                       | 545                   | 409 | 327 | 273 | 234 | 204 | 519                   | 389 | 311 | 260 | 222 | 195 | 454                   | 341 | 273 | 227 | 195 | 170 |
| 13,5                     | 600                   | 450 | 360 | 300 | 257 | 225 | 571                   | 429 | 343 | 286 | 245 | 214 | 500                   | 375 | 300 | 250 | 214 | 187 |
| 14                       | 653                   | 490 | 392 | 326 | 280 | 245 | 622                   | 466 | 373 | 311 | 266 | 233 | 544                   | 408 | 326 | 272 | 233 | 204 |
| 14,5                     | 709                   | 532 | 426 | 355 | 304 | 266 | 675                   | 507 | 405 | 338 | 289 | 253 | 591                   | 443 | 355 | 296 | 253 | 222 |
| 15                       | 784                   | 588 | 470 | 392 | 336 | 294 | 747                   | 560 | 448 | 373 | 320 | 280 | 653                   | 490 | 392 | 327 | 280 | 245 |
| 15,5                     | 865                   | 649 | 519 | 433 | 371 | 325 | 824                   | 618 | 495 | 412 | 353 | 309 | 721                   | 541 | 433 | 361 | 309 | 270 |
| 16                       | 926                   | 694 | 556 | 463 | 397 | 347 | 882                   | 661 | 529 | 441 | 378 | 331 | 772                   | 579 | 463 | 386 | 331 | 289 |
| 16,5                     | 1009                  | 756 | 605 | 504 | 432 | 378 | 961                   | 720 | 576 | 480 | 412 | 360 | 841                   | 630 | 504 | 420 | 360 | 315 |
| 17                       | 1116                  | 837 | 669 | 558 | 478 | 418 | 1062                  | 797 | 637 | 531 | 455 | 398 | 930                   | 697 | 558 | 465 | 398 | 349 |
| 17,5                     | 1199                  | 899 | 719 | 599 | 514 | 449 | 1141                  | 856 | 685 | 571 | 489 | 428 | 999                   | 749 | 599 | 499 | 428 | 375 |
| 18                       | 1244                  | 933 | 747 | 622 | 533 | 467 | 1185                  | 889 | 711 | 593 | 508 | 444 | 1037                  | 778 | 622 | 519 | 444 | 389 |
| 18,5                     | 1272                  | 954 | 763 | 636 | 545 | 477 | 1211                  | 909 | 727 | 606 | 519 | 454 | 1060                  | 795 | 636 | 530 | 454 | 398 |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**NPK 8 - 24 - 24 Polifoska 8**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: NPK(S) 8-24-24-(9)  
Klasa ziarnowa: granulę 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |     |     |     |     | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | LD II - 1,2           |      |     |     |     |     | LD II - 2             |     |     |     |     |     | LD II - 2             |     |     |     |     |     | LD II - 4             |     |     |     |     |     |
|                          | ŁK II - 3,2           |      |     |     |     |     | ŁK II - 2,3           |     |     |     |     |     | ŁK II - 3             |     |     |     |     |     | ŁK II - 3,1           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 40                    | 30   | 24  | 20  | 17  | 15  | 36                    | 27  | 21  | 18  | 15  | 13  | 34                    | 25  | 20  | 17  | 15  | 13  | 30                    | 22  | 18  | 15  | 13  | 11  |
| 4,5                      | 51                    | 38   | 30  | 25  | 22  | 19  | 46                    | 34  | 27  | 23  | 20  | 17  | 43                    | 33  | 26  | 22  | 19  | 16  | 38                    | 29  | 23  | 19  | 16  | 14  |
| 5                        | 63                    | 47   | 38  | 31  | 27  | 23  | 56                    | 42  | 34  | 28  | 24  | 21  | 54                    | 40  | 32  | 27  | 23  | 20  | 47                    | 35  | 28  | 23  | 20  | 18  |
| 5,5                      | 76                    | 57   | 46  | 38  | 33  | 28  | 68                    | 51  | 41  | 34  | 29  | 26  | 65                    | 49  | 39  | 33  | 28  | 24  | 57                    | 43  | 34  | 28  | 24  | 21  |
| 6                        | 93                    | 70   | 56  | 46  | 40  | 35  | 84                    | 63  | 50  | 42  | 36  | 31  | 80                    | 60  | 48  | 40  | 34  | 30  | 70                    | 52  | 42  | 35  | 30  | 26  |
| 6,5                      | 110                   | 82   | 66  | 55  | 47  | 41  | 99                    | 74  | 59  | 49  | 42  | 37  | 94                    | 71  | 56  | 47  | 40  | 35  | 82                    | 62  | 49  | 41  | 35  | 31  |
| 7                        | 133                   | 100  | 80  | 67  | 57  | 50  | 120                   | 90  | 72  | 60  | 51  | 45  | 114                   | 86  | 68  | 57  | 49  | 43  | 100                   | 75  | 60  | 50  | 43  | 37  |
| 7,5                      | 159                   | 119  | 95  | 79  | 68  | 60  | 143                   | 107 | 86  | 71  | 61  | 54  | 136                   | 102 | 82  | 68  | 58  | 51  | 119                   | 89  | 71  | 60  | 51  | 45  |
| 8                        | 185                   | 139  | 111 | 93  | 79  | 69  | 167                   | 125 | 100 | 83  | 71  | 63  | 159                   | 119 | 95  | 79  | 68  | 60  | 139                   | 104 | 83  | 69  | 60  | 52  |
| 8,5                      | 218                   | 163  | 131 | 109 | 93  | 82  | 196                   | 147 | 118 | 98  | 84  | 73  | 187                   | 140 | 112 | 93  | 80  | 70  | 163                   | 122 | 98  | 82  | 70  | 61  |
| 9                        | 252                   | 189  | 151 | 126 | 108 | 95  | 227                   | 170 | 136 | 114 | 97  | 85  | 216                   | 162 | 130 | 108 | 93  | 81  | 189                   | 142 | 114 | 95  | 81  | 71  |
| 9,5                      | 290                   | 217  | 174 | 145 | 124 | 109 | 261                   | 195 | 156 | 130 | 112 | 98  | 248                   | 186 | 149 | 124 | 106 | 93  | 217                   | 163 | 130 | 109 | 93  | 81  |
| 10                       | 331                   | 249  | 199 | 166 | 142 | 124 | 298                   | 224 | 179 | 149 | 128 | 112 | 284                   | 213 | 170 | 142 | 122 | 107 | 249                   | 186 | 149 | 124 | 107 | 93  |
| 10,5                     | 372                   | 279  | 223 | 186 | 159 | 139 | 334                   | 251 | 201 | 167 | 143 | 125 | 319                   | 239 | 191 | 159 | 137 | 119 | 279                   | 209 | 167 | 139 | 119 | 105 |
| 11                       | 397                   | 298  | 238 | 199 | 170 | 149 | 358                   | 268 | 215 | 179 | 153 | 134 | 341                   | 255 | 204 | 170 | 146 | 128 | 298                   | 224 | 179 | 149 | 128 | 112 |
| 11,5                     | 447                   | 335  | 268 | 223 | 191 | 168 | 402                   | 302 | 241 | 201 | 172 | 151 | 383                   | 287 | 230 | 191 | 164 | 144 | 335                   | 251 | 201 | 168 | 144 | 126 |
| 12                       | 488                   | 366  | 293 | 244 | 209 | 183 | 440                   | 330 | 264 | 220 | 188 | 165 | 419                   | 314 | 251 | 209 | 179 | 157 | 366                   | 275 | 220 | 183 | 157 | 137 |
| 12,5                     | 555                   | 416  | 333 | 277 | 238 | 208 | 499                   | 375 | 300 | 250 | 214 | 187 | 476                   | 357 | 285 | 238 | 204 | 178 | 416                   | 312 | 250 | 208 | 178 | 156 |
| 13                       | 606                   | 454  | 363 | 303 | 260 | 227 | 545                   | 409 | 327 | 273 | 234 | 204 | 519                   | 389 | 311 | 260 | 222 | 195 | 454                   | 341 | 273 | 227 | 195 | 170 |
| 13,5                     | 667                   | 500  | 400 | 333 | 286 | 250 | 600                   | 450 | 360 | 300 | 257 | 225 | 571                   | 429 | 343 | 286 | 245 | 214 | 500                   | 375 | 300 | 250 | 214 | 187 |
| 14                       | 725                   | 544  | 435 | 363 | 311 | 272 | 653                   | 490 | 392 | 326 | 280 | 245 | 622                   | 466 | 373 | 311 | 266 | 233 | 544                   | 408 | 326 | 272 | 233 | 204 |
| 14,5                     | 788                   | 591  | 473 | 394 | 338 | 296 | 709                   | 532 | 426 | 355 | 304 | 266 | 675                   | 507 | 405 | 338 | 289 | 253 | 591                   | 443 | 355 | 296 | 253 | 222 |
| 15                       | 871                   | 653  | 523 | 436 | 373 | 327 | 784                   | 588 | 470 | 392 | 336 | 294 | 747                   | 560 | 448 | 373 | 320 | 280 | 653                   | 490 | 392 | 327 | 280 | 245 |
| 15,5                     | 962                   | 721  | 577 | 481 | 412 | 361 | 865                   | 649 | 519 | 433 | 371 | 325 | 824                   | 618 | 495 | 412 | 353 | 309 | 721                   | 541 | 433 | 361 | 309 | 270 |
| 16                       | 1029                  | 772  | 617 | 514 | 441 | 386 | 926                   | 694 | 556 | 463 | 397 | 347 | 882                   | 661 | 529 | 441 | 378 | 331 | 772                   | 579 | 463 | 386 | 331 | 289 |
| 16,5                     | 1121                  | 841  | 672 | 560 | 480 | 420 | 1009                  | 756 | 605 | 504 | 432 | 378 | 961                   | 720 | 576 | 480 | 412 | 360 | 841                   | 630 | 504 | 420 | 360 | 315 |
| 17                       | 1239                  | 930  | 744 | 620 | 531 | 465 | 1116                  | 837 | 669 | 558 | 478 | 418 | 1062                  | 797 | 637 | 531 | 455 | 398 | 930                   | 697 | 558 | 465 | 398 | 349 |
| 17,5                     | 1332                  | 999  | 799 | 666 | 571 | 499 | 1199                  | 899 | 719 | 599 | 514 | 449 | 1141                  | 856 | 685 | 571 | 489 | 428 | 999                   | 749 | 599 | 499 | 428 | 375 |
| 18                       | 1383                  | 1037 | 830 | 691 | 593 | 519 | 1244                  | 933 | 747 | 622 | 533 | 467 | 1185                  | 889 | 711 | 593 | 508 | 444 | 1037                  | 778 | 622 | 519 | 444 | 389 |
| 18,5                     | 1413                  | 1060 | 848 | 707 | 606 | 530 | 1272                  | 954 | 763 | 636 | 545 | 477 | 1211                  | 909 | 727 | 606 | 519 | 454 | 1060                  | 795 | 636 | 530 | 454 | 398 |

LD I - Łopatka I długa  
LD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka





# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatkii II



**NPK 8 - 24 - 24 Polifoska 8**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: NPK(S) 8-24-24-(9)  
Klasa ziarnowa: granulę 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     | 32 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 3,2           |     |     |     |     |     | ŁD II - 3,2           |     |     |     |     |     | ŁD II - 3,4           |     |     |     |     |     | ŁD II - 4             |     |     |     |     |     |
|                          | ŁK II - 3             |     |     |     |     |     | ŁK II - 3,3           |     |     |     |     |     | ŁK II - 2,4           |     |     |     |     |     | ŁK II - 3             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 26                    | 20  | 16  | 13  | 11  | 10  | 25                    | 19  | 15  | 13  | 11  | 10  | 24                    | 18  | 14  | 12  | 10  | 9   | 22                    | 17  | 13  | 11  | 10  | 8   |
| 4,5                      | 34                    | 25  | 20  | 17  | 14  | 13  | 33                    | 24  | 20  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  | 29                    | 21  | 17  | 14  | 12  | 11  |
| 5                        | 42                    | 31  | 25  | 21  | 18  | 16  | 40                    | 30  | 24  | 20  | 17  | 15  | 38                    | 28  | 23  | 19  | 16  | 14  | 35                    | 26  | 21  | 18  | 15  | 13  |
| 5,5                      | 51                    | 38  | 30  | 25  | 22  | 19  | 49                    | 37  | 29  | 24  | 21  | 18  | 46                    | 34  | 27  | 23  | 20  | 17  | 43                    | 32  | 26  | 21  | 18  | 16  |
| 6                        | 62                    | 46  | 37  | 31  | 27  | 23  | 60                    | 45  | 36  | 30  | 26  | 22  | 56                    | 42  | 33  | 28  | 24  | 21  | 52                    | 39  | 31  | 26  | 22  | 20  |
| 6,5                      | 73                    | 55  | 44  | 37  | 31  | 27  | 71                    | 53  | 42  | 35  | 30  | 26  | 66                    | 49  | 40  | 33  | 28  | 25  | 62                    | 46  | 37  | 31  | 26  | 23  |
| 7                        | 89                    | 67  | 53  | 44  | 38  | 33  | 86                    | 64  | 51  | 43  | 37  | 32  | 80                    | 60  | 48  | 40  | 34  | 30  | 75                    | 56  | 45  | 37  | 32  | 28  |
| 7,5                      | 106                   | 79  | 63  | 53  | 45  | 40  | 102                   | 77  | 61  | 51  | 44  | 38  | 95                    | 71  | 57  | 48  | 41  | 36  | 89                    | 67  | 54  | 45  | 38  | 33  |
| 8                        | 123                   | 93  | 74  | 62  | 53  | 46  | 119                   | 89  | 71  | 60  | 51  | 45  | 111                   | 83  | 67  | 56  | 48  | 42  | 104                   | 78  | 63  | 52  | 45  | 39  |
| 8,5                      | 145                   | 109 | 87  | 73  | 62  | 54  | 140                   | 105 | 84  | 70  | 60  | 52  | 131                   | 98  | 78  | 65  | 56  | 49  | 122                   | 92  | 73  | 61  | 52  | 46  |
| 9                        | 168                   | 126 | 101 | 84  | 72  | 63  | 162                   | 122 | 97  | 81  | 70  | 61  | 151                   | 114 | 91  | 76  | 65  | 57  | 142                   | 106 | 85  | 71  | 61  | 53  |
| 9,5                      | 193                   | 145 | 116 | 97  | 83  | 72  | 186                   | 140 | 112 | 93  | 80  | 70  | 174                   | 130 | 104 | 87  | 74  | 65  | 163                   | 122 | 98  | 81  | 70  | 61  |
| 10                       | 221                   | 166 | 133 | 110 | 95  | 83  | 213                   | 160 | 128 | 107 | 91  | 80  | 199                   | 149 | 119 | 99  | 85  | 75  | 186                   | 140 | 112 | 93  | 80  | 70  |
| 10,5                     | 248                   | 186 | 149 | 124 | 106 | 93  | 239                   | 179 | 143 | 119 | 102 | 90  | 223                   | 167 | 134 | 111 | 96  | 84  | 209                   | 157 | 125 | 105 | 90  | 78  |
| 11                       | 265                   | 199 | 159 | 132 | 114 | 99  | 255                   | 192 | 153 | 128 | 109 | 96  | 238                   | 179 | 143 | 119 | 102 | 89  | 224                   | 168 | 134 | 112 | 96  | 84  |
| 11,5                     | 298                   | 223 | 179 | 149 | 128 | 112 | 287                   | 215 | 172 | 144 | 123 | 108 | 268                   | 201 | 161 | 134 | 115 | 101 | 251                   | 188 | 151 | 126 | 108 | 94  |
| 12                       | 326                   | 244 | 195 | 163 | 140 | 122 | 314                   | 236 | 188 | 157 | 135 | 118 | 293                   | 220 | 176 | 147 | 126 | 110 | 275                   | 206 | 165 | 137 | 118 | 103 |
| 12,5                     | 370                   | 277 | 222 | 185 | 159 | 139 | 357                   | 268 | 214 | 178 | 153 | 134 | 333                   | 250 | 200 | 166 | 143 | 125 | 312                   | 234 | 187 | 156 | 134 | 117 |
| 13                       | 404                   | 303 | 242 | 202 | 173 | 151 | 389                   | 292 | 234 | 195 | 167 | 146 | 363                   | 273 | 218 | 182 | 156 | 136 | 341                   | 256 | 204 | 170 | 146 | 128 |
| 13,5                     | 444                   | 333 | 267 | 222 | 190 | 167 | 429                   | 321 | 257 | 214 | 184 | 161 | 400                   | 300 | 240 | 200 | 171 | 150 | 375                   | 281 | 225 | 187 | 161 | 141 |
| 14                       | 484                   | 363 | 290 | 242 | 207 | 181 | 466                   | 350 | 280 | 233 | 200 | 175 | 435                   | 326 | 261 | 218 | 187 | 163 | 408                   | 306 | 245 | 204 | 175 | 153 |
| 14,5                     | 525                   | 394 | 315 | 263 | 225 | 197 | 507                   | 380 | 304 | 253 | 217 | 190 | 473                   | 355 | 284 | 236 | 203 | 177 | 443                   | 332 | 266 | 222 | 190 | 166 |
| 15                       | 581                   | 436 | 348 | 290 | 249 | 218 | 560                   | 420 | 336 | 280 | 240 | 210 | 523                   | 392 | 314 | 261 | 224 | 196 | 490                   | 367 | 294 | 245 | 210 | 184 |
| 15,5                     | 641                   | 481 | 385 | 321 | 275 | 240 | 618                   | 464 | 371 | 309 | 265 | 232 | 577                   | 433 | 346 | 288 | 247 | 216 | 541                   | 406 | 325 | 270 | 232 | 203 |
| 16                       | 686                   | 514 | 412 | 343 | 294 | 257 | 661                   | 496 | 397 | 331 | 283 | 248 | 617                   | 463 | 370 | 309 | 265 | 231 | 579                   | 434 | 347 | 289 | 248 | 217 |
| 16,5                     | 747                   | 560 | 448 | 374 | 320 | 280 | 720                   | 540 | 432 | 360 | 309 | 270 | 672                   | 504 | 403 | 336 | 288 | 252 | 630                   | 473 | 378 | 315 | 270 | 236 |
| 17                       | 826                   | 620 | 496 | 413 | 354 | 310 | 797                   | 598 | 478 | 398 | 341 | 299 | 744                   | 558 | 446 | 372 | 319 | 279 | 697                   | 523 | 418 | 349 | 299 | 261 |
| 17,5                     | 888                   | 666 | 533 | 444 | 380 | 333 | 856                   | 642 | 514 | 428 | 367 | 321 | 799                   | 599 | 479 | 400 | 342 | 300 | 749                   | 562 | 449 | 375 | 321 | 281 |
| 18                       | 922                   | 691 | 553 | 461 | 395 | 346 | 889                   | 667 | 533 | 444 | 381 | 333 | 830                   | 622 | 498 | 415 | 356 | 311 | 778                   | 583 | 467 | 389 | 333 | 292 |
| 18,5                     | 942                   | 707 | 565 | 471 | 404 | 353 | 909                   | 681 | 545 | 454 | 389 | 341 | 848                   | 636 | 509 | 424 | 363 | 318 | 795                   | 596 | 477 | 398 | 341 | 298 |

LD I - Łopaska I długa  
LD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**NPK 8 - 24 - 24 Polifoska 8**

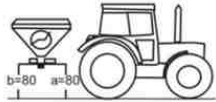
**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formula nawozu: NPK(S) 8-24-24-(9)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy |                  | Wysiew graniczny       |                          |                  | Rozsiew przy rowach    |                          |                  |  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|------------------|------------------------|--------------------------|------------------|--|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |  |
| 12                | ŁD I - 1,2                  | ŁK I - 4    | 540 obr/min | 25             | 90                 | 100              | -2                     | -45%                     | 100              | -4                     | -70%                     | -                |  |
| 15                | ŁD I - 2                    | ŁK I - 3,1  | 540 obr/min | 35             | 80                 | 90               | -2                     | -45%                     | 100              | -3                     | -60%                     | -                |  |
| 16                | ŁD I - 2                    | ŁK I - 3,3  | 540 obr/min | 35             | 80                 | 90               | -2                     | -45%                     | 100              | -2                     | -45%                     | -                |  |
| 18                | ŁD I - 2,2                  | ŁK I - 4    | 540 obr/min | 40             | 80                 | 90               | -2                     | -45%                     | 100              | -2                     | -45%                     | -                |  |
|                   | ŁD II - 1,2                 | ŁK II - 3,2 | 540 obr/min | 30             | 80                 | 90               | -1                     | -25%                     | 100              | -2                     | -45%                     | -                |  |
| 20                | ŁD I - 2,4                  | ŁK I - 4    | 540 obr/min | 45             | 80                 | 90               | -1                     | -25%                     | 100              | -2                     | -45%                     | -                |  |
|                   | ŁD II - 2                   | ŁK II - 2,3 | 540 obr/min | 30             | 70                 | 80               | 0                      | 0%                       | 90               | -2                     | -45%                     | -                |  |
| 21                | ŁD I - 2,4                  | ŁK I - 5    | 540 obr/min | 40             | 70                 | 80               | 0                      | 0%                       | 90               | -1                     | -25%                     | -                |  |
|                   | ŁD II - 2                   | ŁK II - 3   | 540 obr/min | 40             | 80                 | 90               | 0                      | 0%                       | 100              | -1                     | -25%                     | -                |  |
| 24                | ŁD I - 4                    | ŁK I - 3,3  | 540 obr/min | 40             | 70                 | 80               | 0                      | 0%                       | 80               | -1                     | -25%                     | -                |  |
|                   | ŁD II - 4                   | ŁK II - 3,1 | 540 obr/min | 30             | 70                 | 80               | 0                      | 0%                       | 90               | -1                     | -25%                     | -                |  |
| 27                | ŁD II - 3,2                 | ŁK II - 3   | 540 obr/min | 35             | 70                 | 80               | 0                      | 0%                       | 90               | -1                     | -25%                     | -                |  |
| 28                | ŁD II - 3,2                 | ŁK II - 3,3 | 540 obr/min | 40             | 70                 | 80               | 0                      | 0%                       | 90               | -1                     | -25%                     | -                |  |
| 30                | ŁD II - 3,4                 | ŁK II - 2,4 | 540 obr/min | 40             | 70                 | 90               | 0                      | 0%                       | 90               | -1                     | -25%                     | -                |  |
| 32                | ŁD II - 4                   | ŁK II - 3   | 540 obr/min | 40             | 60                 | 80               | 0                      | 0%                       | 80               | -1                     | -25%                     | -                |  |

ŁD I - Łopaska I długa  
 ŁD II - Łopaska II długa  
 ŁK I - Łopaska I krótka  
 ŁK II - Łopaska II krótka





# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



### NP 18-46 POLIDAP

Grupa Azoty Zakłady Chemiczne „Police” S.A.

Formuła nawozu: NP(S) 18-46-(5)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |     |     | 15 m                  |      |     |     |     |     | 16 m                  |      |     |     |     |     | 18 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|------|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 0,1            |      |      |      |     |     | ŁD I - 0,3            |      |     |     |     |     | ŁD I - 1,1            |      |     |     |     |     | ŁD I - 1,2            |      |     |     |     |     |
|                          | ŁK I - 2,1            |      |      |      |     |     | ŁK I - 2,3            |      |     |     |     |     | ŁK I - 3,1            |      |     |     |     |     | ŁK I - 3,3            |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |     |     |                       |      |     |     |     |     |                       |      |     |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 62                    | 46   | 37   | 31   | 26  | 23  | 49                    | 37   | 30  | 25  | 21  | 18  | 46                    | 35   | 28  | 23  | 20  | 17  | 41                    | 31   | 25  | 21  | 18  | 15  |
| 4,5                      | 78                    | 58   | 47   | 39   | 33  | 29  | 62                    | 47   | 37  | 31  | 27  | 23  | 58                    | 44   | 35  | 29  | 25  | 22  | 52                    | 39   | 31  | 26  | 22  | 19  |
| 5                        | 97                    | 73   | 58   | 48   | 41  | 36  | 77                    | 58   | 46  | 39  | 33  | 29  | 73                    | 54   | 44  | 36  | 31  | 27  | 64                    | 48   | 39  | 32  | 28  | 24  |
| 5,5                      | 117                   | 88   | 70   | 59   | 50  | 44  | 94                    | 70   | 56  | 47  | 40  | 35  | 88                    | 66   | 53  | 44  | 38  | 33  | 78                    | 59   | 47  | 39  | 33  | 29  |
| 6                        | 141                   | 106  | 85   | 71   | 60  | 53  | 113                   | 85   | 68  | 56  | 48  | 42  | 106                   | 79   | 63  | 53  | 45  | 40  | 94                    | 71   | 56  | 47  | 40  | 35  |
| 6,5                      | 169                   | 127  | 101  | 84   | 72  | 63  | 135                   | 101  | 81  | 68  | 58  | 51  | 127                   | 95   | 76  | 63  | 54  | 48  | 113                   | 84   | 68  | 56  | 48  | 42  |
| 7                        | 201                   | 151  | 120  | 100  | 86  | 75  | 161                   | 120  | 96  | 80  | 69  | 60  | 151                   | 113  | 90  | 75  | 65  | 56  | 134                   | 100  | 80  | 67  | 57  | 50  |
| 7,5                      | 235                   | 176  | 141  | 118  | 101 | 88  | 188                   | 141  | 113 | 94  | 81  | 71  | 176                   | 132  | 106 | 88  | 76  | 66  | 157                   | 118  | 94  | 78  | 67  | 59  |
| 8                        | 277                   | 208  | 166  | 139  | 119 | 104 | 222                   | 166  | 133 | 111 | 95  | 83  | 208                   | 156  | 125 | 104 | 89  | 78  | 185                   | 139  | 111 | 92  | 79  | 69  |
| 8,5                      | 319                   | 239  | 192  | 160  | 137 | 120 | 255                   | 192  | 153 | 128 | 109 | 96  | 239                   | 180  | 144 | 120 | 103 | 90  | 213                   | 160  | 128 | 106 | 91  | 80  |
| 9                        | 369                   | 277  | 222  | 185  | 158 | 138 | 295                   | 222  | 177 | 148 | 127 | 111 | 277                   | 208  | 166 | 138 | 119 | 104 | 246                   | 185  | 148 | 123 | 106 | 92  |
| 9,5                      | 420                   | 315  | 252  | 210  | 180 | 157 | 336                   | 252  | 201 | 168 | 144 | 126 | 315                   | 236  | 189 | 157 | 135 | 118 | 280                   | 210  | 168 | 140 | 120 | 105 |
| 10                       | 478                   | 358  | 287  | 239  | 205 | 179 | 382                   | 287  | 229 | 191 | 164 | 143 | 358                   | 269  | 215 | 179 | 154 | 134 | 319                   | 239  | 191 | 159 | 137 | 119 |
| 10,5                     | 536                   | 402  | 322  | 268  | 230 | 201 | 429                   | 322  | 257 | 214 | 184 | 161 | 402                   | 301  | 241 | 201 | 172 | 151 | 357                   | 268  | 214 | 179 | 153 | 134 |
| 11                       | 600                   | 450  | 360  | 300  | 257 | 225 | 480                   | 360  | 288 | 240 | 206 | 180 | 450                   | 338  | 270 | 225 | 193 | 169 | 400                   | 300  | 240 | 200 | 171 | 150 |
| 11,5                     | 669                   | 502  | 401  | 334  | 287 | 251 | 535                   | 401  | 321 | 268 | 229 | 201 | 502                   | 376  | 301 | 251 | 215 | 188 | 446                   | 334  | 268 | 223 | 191 | 167 |
| 12                       | 742                   | 556  | 445  | 371  | 318 | 278 | 593                   | 445  | 356 | 297 | 254 | 223 | 556                   | 417  | 334 | 278 | 238 | 209 | 494                   | 371  | 297 | 247 | 212 | 185 |
| 12,5                     | 817                   | 613  | 490  | 409  | 350 | 307 | 654                   | 490  | 392 | 327 | 280 | 245 | 613                   | 460  | 368 | 307 | 263 | 230 | 545                   | 409  | 327 | 272 | 234 | 204 |
| 13                       | 906                   | 679  | 544  | 453  | 388 | 340 | 725                   | 544  | 435 | 362 | 311 | 272 | 679                   | 510  | 408 | 340 | 291 | 255 | 604                   | 453  | 362 | 302 | 259 | 226 |
| 13,5                     | 1002                  | 751  | 601  | 501  | 429 | 376 | 802                   | 601  | 481 | 401 | 344 | 301 | 751                   | 564  | 451 | 376 | 322 | 282 | 668                   | 501  | 401 | 334 | 286 | 250 |
| 14                       | 1088                  | 816  | 653  | 544  | 466 | 408 | 870                   | 653  | 522 | 435 | 373 | 326 | 816                   | 612  | 489 | 408 | 350 | 306 | 725                   | 544  | 435 | 363 | 311 | 272 |
| 14,5                     | 1187                  | 890  | 712  | 593  | 509 | 445 | 949                   | 712  | 570 | 475 | 407 | 356 | 890                   | 667  | 534 | 445 | 381 | 334 | 791                   | 593  | 475 | 396 | 339 | 297 |
| 15                       | 1256                  | 942  | 754  | 628  | 538 | 471 | 1005                  | 754  | 603 | 502 | 431 | 377 | 942                   | 707  | 565 | 471 | 404 | 353 | 837                   | 628  | 502 | 419 | 359 | 314 |
| 15,5                     | 1410                  | 1058 | 846  | 705  | 604 | 529 | 1128                  | 846  | 677 | 564 | 484 | 423 | 1058                  | 793  | 635 | 529 | 453 | 397 | 940                   | 705  | 564 | 470 | 403 | 353 |
| 16                       | 1529                  | 1147 | 918  | 765  | 655 | 574 | 1223                  | 918  | 734 | 612 | 524 | 459 | 1147                  | 860  | 688 | 574 | 492 | 430 | 1020                  | 765  | 612 | 510 | 437 | 382 |
| 16,5                     | 1680                  | 1260 | 1008 | 840  | 720 | 630 | 1344                  | 1008 | 807 | 672 | 576 | 504 | 1260                  | 945  | 756 | 630 | 540 | 473 | 1120                  | 840  | 672 | 560 | 480 | 420 |
| 17                       | 1801                  | 1351 | 1081 | 901  | 772 | 676 | 1441                  | 1081 | 865 | 721 | 618 | 540 | 1351                  | 1013 | 811 | 676 | 579 | 507 | 1201                  | 901  | 721 | 600 | 515 | 450 |
| 17,5                     | 1947                  | 1460 | 1168 | 973  | 834 | 730 | 1558                  | 1168 | 935 | 779 | 668 | 584 | 1460                  | 1095 | 876 | 730 | 626 | 548 | 1298                  | 973  | 779 | 649 | 556 | 487 |
| 18                       | 2059                  | 1544 | 1235 | 1030 | 882 | 772 | 1647                  | 1235 | 988 | 824 | 706 | 618 | 1544                  | 1158 | 927 | 772 | 662 | 579 | 1373                  | 1030 | 824 | 686 | 588 | 515 |
| 18,5                     | 2079                  | 1559 | 1247 | 1040 | 891 | 780 | 1663                  | 1247 | 998 | 832 | 713 | 624 | 1559                  | 1169 | 936 | 780 | 668 | 585 | 1386                  | 1040 | 832 | 693 | 594 | 520 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatkı I



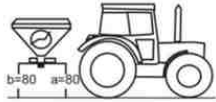
**NP 18-46 POLIDAP**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: NP(S) 18-46-(5)  
 Klasa ziarnowa: granule 2-5 mm, nie mniej niż 92%  
 Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 1,2            |     |     |     |     |     | ŁD I - 3,3            |     |     |     |     |     | ŁD I - 4              |     |     |     |     |     |
|                          | ŁK I - 4              |     |     |     |     |     | ŁK I - 2              |     |     |     |     |     | ŁK I - 2,4            |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 600 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 37                    | 28  | 22  | 18  | 16  | 14  | 35                    | 26  | 21  | 18  | 15  | 13  | 31                    | 23  | 18  | 15  | 13  | 12  |
| 4,5                      | 47                    | 35  | 28  | 23  | 20  | 17  | 44                    | 33  | 27  | 22  | 19  | 17  | 39                    | 29  | 23  | 19  | 17  | 15  |
| 5                        | 58                    | 44  | 35  | 29  | 25  | 22  | 55                    | 41  | 33  | 28  | 24  | 21  | 48                    | 36  | 29  | 24  | 21  | 18  |
| 5,5                      | 70                    | 53  | 42  | 35  | 30  | 26  | 67                    | 50  | 40  | 33  | 29  | 25  | 59                    | 44  | 35  | 29  | 25  | 22  |
| 6                        | 85                    | 63  | 51  | 42  | 36  | 32  | 81                    | 60  | 48  | 40  | 35  | 30  | 71                    | 53  | 42  | 35  | 30  | 26  |
| 6,5                      | 101                   | 76  | 61  | 51  | 43  | 38  | 97                    | 72  | 58  | 48  | 41  | 36  | 84                    | 63  | 51  | 42  | 36  | 32  |
| 7                        | 120                   | 90  | 72  | 60  | 52  | 45  | 115                   | 86  | 69  | 57  | 49  | 43  | 100                   | 75  | 60  | 50  | 43  | 38  |
| 7,5                      | 141                   | 106 | 85  | 71  | 60  | 53  | 134                   | 101 | 81  | 67  | 58  | 50  | 118                   | 88  | 71  | 59  | 50  | 44  |
| 8                        | 166                   | 125 | 100 | 83  | 71  | 62  | 158                   | 119 | 95  | 79  | 68  | 59  | 139                   | 104 | 83  | 69  | 59  | 52  |
| 8,5                      | 192                   | 144 | 115 | 96  | 82  | 72  | 182                   | 137 | 109 | 91  | 78  | 68  | 160                   | 120 | 96  | 80  | 68  | 60  |
| 9                        | 222                   | 166 | 133 | 111 | 95  | 83  | 211                   | 158 | 127 | 106 | 90  | 79  | 185                   | 138 | 111 | 92  | 79  | 69  |
| 9,5                      | 252                   | 189 | 151 | 126 | 108 | 94  | 240                   | 180 | 144 | 120 | 103 | 90  | 210                   | 157 | 126 | 105 | 90  | 79  |
| 10                       | 287                   | 215 | 172 | 143 | 123 | 108 | 273                   | 205 | 164 | 137 | 117 | 102 | 239                   | 179 | 143 | 119 | 102 | 90  |
| 10,5                     | 322                   | 241 | 193 | 161 | 138 | 121 | 306                   | 230 | 184 | 153 | 131 | 115 | 268                   | 201 | 161 | 134 | 115 | 100 |
| 11                       | 360                   | 270 | 216 | 180 | 154 | 135 | 343                   | 257 | 206 | 171 | 147 | 129 | 300                   | 225 | 180 | 150 | 129 | 113 |
| 11,5                     | 401                   | 301 | 241 | 201 | 172 | 151 | 382                   | 287 | 229 | 191 | 164 | 143 | 334                   | 251 | 201 | 167 | 143 | 125 |
| 12                       | 445                   | 334 | 267 | 223 | 191 | 167 | 424                   | 318 | 254 | 212 | 182 | 159 | 371                   | 278 | 223 | 185 | 159 | 139 |
| 12,5                     | 490                   | 368 | 294 | 245 | 210 | 184 | 467                   | 350 | 280 | 234 | 200 | 175 | 409                   | 307 | 245 | 204 | 175 | 153 |
| 13                       | 544                   | 408 | 326 | 272 | 233 | 204 | 518                   | 388 | 311 | 259 | 222 | 194 | 453                   | 340 | 272 | 226 | 194 | 170 |
| 13,5                     | 601                   | 451 | 361 | 301 | 258 | 225 | 573                   | 429 | 344 | 286 | 245 | 215 | 501                   | 376 | 301 | 250 | 215 | 188 |
| 14                       | 653                   | 489 | 392 | 326 | 280 | 245 | 621                   | 466 | 373 | 311 | 266 | 233 | 544                   | 408 | 326 | 272 | 233 | 204 |
| 14,5                     | 712                   | 534 | 427 | 356 | 305 | 267 | 678                   | 509 | 407 | 339 | 291 | 254 | 593                   | 445 | 356 | 297 | 254 | 222 |
| 15                       | 754                   | 565 | 452 | 377 | 323 | 283 | 718                   | 538 | 431 | 359 | 308 | 269 | 628                   | 471 | 377 | 314 | 269 | 236 |
| 15,5                     | 846                   | 635 | 508 | 423 | 363 | 317 | 806                   | 604 | 484 | 403 | 345 | 302 | 705                   | 529 | 423 | 353 | 302 | 264 |
| 16                       | 918                   | 688 | 551 | 459 | 393 | 344 | 874                   | 655 | 524 | 437 | 375 | 328 | 765                   | 574 | 459 | 382 | 328 | 287 |
| 16,5                     | 1008                  | 756 | 605 | 504 | 432 | 378 | 960                   | 720 | 576 | 480 | 411 | 360 | 840                   | 630 | 504 | 420 | 360 | 315 |
| 17                       | 1081                  | 811 | 648 | 540 | 463 | 405 | 1029                  | 772 | 618 | 515 | 441 | 386 | 901                   | 676 | 540 | 450 | 386 | 338 |
| 17,5                     | 1168                  | 876 | 701 | 584 | 501 | 438 | 1113                  | 834 | 668 | 556 | 477 | 417 | 973                   | 730 | 584 | 487 | 417 | 365 |
| 18                       | 1235                  | 927 | 741 | 618 | 529 | 463 | 1177                  | 882 | 706 | 588 | 504 | 441 | 1030                  | 772 | 618 | 515 | 441 | 386 |
| 18,5                     | 1247                  | 936 | 748 | 624 | 535 | 468 | 1188                  | 891 | 713 | 594 | 509 | 446 | 1040                  | 780 | 624 | 520 | 446 | 390 |

ŁD I - Łopatkı I długa  
 ŁD II - Łopatkı II długa  
 ŁK I - Łopatkı I krótka  
 ŁK II - Łopatkı II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



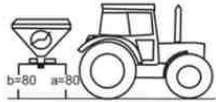
### NP 18-46 POLIDAP

Grupa Azoty Zakłady Chemiczne „Police” S.A.

Formuła nawozu: NP(S) 18-46-(5)  
Klasa ziarnowa: granulę 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |     |     |     |     | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 0,3           |      |     |     |     |     | ŁD II - 0,5           |     |     |     |     |     | ŁD II - 1             |     |     |     |     |     | ŁD II - 1,3           |     |     |     |     |     |
|                          | ŁK II - 2,1           |      |     |     |     |     | ŁK II - 3             |     |     |     |     |     | ŁK II - 3             |     |     |     |     |     | ŁK II - 2,2           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 41                    | 31   | 25  | 21  | 18  | 15  | 37                    | 28  | 22  | 18  | 16  | 14  | 35                    | 26  | 21  | 18  | 15  | 13  | 31                    | 23  | 18  | 15  | 13  | 12  |
| 4,5                      | 52                    | 39   | 31  | 26  | 22  | 19  | 47                    | 35  | 28  | 23  | 20  | 17  | 44                    | 33  | 27  | 22  | 19  | 17  | 39                    | 29  | 23  | 19  | 17  | 15  |
| 5                        | 64                    | 48   | 39  | 32  | 28  | 24  | 58                    | 44  | 35  | 29  | 25  | 22  | 55                    | 41  | 33  | 28  | 24  | 21  | 48                    | 36  | 29  | 24  | 21  | 18  |
| 5,5                      | 78                    | 59   | 47  | 39  | 33  | 29  | 70                    | 53  | 42  | 35  | 30  | 26  | 67                    | 50  | 40  | 33  | 29  | 25  | 59                    | 44  | 35  | 29  | 25  | 22  |
| 6                        | 94                    | 71   | 56  | 47  | 40  | 35  | 85                    | 63  | 51  | 42  | 36  | 32  | 81                    | 60  | 48  | 40  | 35  | 30  | 71                    | 53  | 42  | 35  | 30  | 26  |
| 6,5                      | 113                   | 84   | 68  | 56  | 48  | 42  | 101                   | 76  | 61  | 51  | 43  | 38  | 97                    | 72  | 58  | 48  | 41  | 36  | 84                    | 63  | 51  | 42  | 36  | 32  |
| 7                        | 134                   | 100  | 80  | 67  | 57  | 50  | 120                   | 90  | 72  | 60  | 52  | 45  | 115                   | 86  | 69  | 57  | 49  | 43  | 100                   | 75  | 60  | 50  | 43  | 38  |
| 7,5                      | 157                   | 118  | 94  | 78  | 67  | 59  | 141                   | 106 | 85  | 71  | 60  | 53  | 134                   | 101 | 81  | 67  | 58  | 50  | 118                   | 88  | 71  | 59  | 50  | 44  |
| 8                        | 185                   | 139  | 111 | 92  | 79  | 69  | 166                   | 125 | 100 | 83  | 71  | 62  | 158                   | 119 | 95  | 79  | 68  | 59  | 139                   | 104 | 83  | 69  | 59  | 52  |
| 8,5                      | 213                   | 160  | 128 | 106 | 91  | 80  | 192                   | 144 | 115 | 96  | 82  | 72  | 182                   | 137 | 109 | 91  | 78  | 68  | 160                   | 120 | 96  | 80  | 68  | 60  |
| 9                        | 246                   | 185  | 148 | 123 | 106 | 92  | 222                   | 166 | 133 | 111 | 95  | 83  | 211                   | 158 | 127 | 106 | 90  | 79  | 185                   | 138 | 111 | 92  | 79  | 69  |
| 9,5                      | 280                   | 210  | 168 | 140 | 120 | 105 | 252                   | 189 | 151 | 126 | 108 | 94  | 240                   | 180 | 144 | 120 | 103 | 90  | 210                   | 157 | 126 | 105 | 90  | 79  |
| 10                       | 319                   | 239  | 191 | 159 | 137 | 119 | 287                   | 215 | 172 | 143 | 123 | 108 | 273                   | 205 | 164 | 137 | 117 | 102 | 239                   | 179 | 143 | 119 | 102 | 90  |
| 10,5                     | 357                   | 268  | 214 | 179 | 153 | 134 | 322                   | 241 | 193 | 161 | 138 | 121 | 306                   | 230 | 184 | 153 | 131 | 115 | 268                   | 201 | 161 | 134 | 115 | 100 |
| 11                       | 400                   | 300  | 240 | 200 | 171 | 150 | 360                   | 270 | 216 | 180 | 154 | 135 | 343                   | 257 | 206 | 171 | 147 | 129 | 300                   | 225 | 180 | 150 | 129 | 113 |
| 11,5                     | 446                   | 334  | 268 | 223 | 191 | 167 | 401                   | 301 | 241 | 201 | 172 | 151 | 382                   | 287 | 229 | 191 | 164 | 143 | 334                   | 251 | 201 | 167 | 143 | 125 |
| 12                       | 494                   | 371  | 297 | 247 | 212 | 185 | 445                   | 334 | 267 | 223 | 191 | 167 | 424                   | 318 | 254 | 212 | 182 | 159 | 371                   | 278 | 223 | 185 | 159 | 139 |
| 12,5                     | 545                   | 409  | 327 | 272 | 234 | 204 | 490                   | 368 | 294 | 245 | 210 | 184 | 467                   | 350 | 280 | 234 | 200 | 175 | 409                   | 307 | 245 | 204 | 175 | 153 |
| 13                       | 604                   | 453  | 362 | 302 | 259 | 226 | 544                   | 408 | 326 | 272 | 233 | 204 | 518                   | 388 | 311 | 259 | 222 | 194 | 453                   | 340 | 272 | 226 | 194 | 170 |
| 13,5                     | 668                   | 501  | 401 | 334 | 286 | 250 | 601                   | 451 | 361 | 301 | 258 | 225 | 573                   | 429 | 344 | 286 | 245 | 215 | 501                   | 376 | 301 | 250 | 215 | 188 |
| 14                       | 725                   | 544  | 435 | 363 | 311 | 272 | 653                   | 489 | 392 | 326 | 280 | 245 | 621                   | 466 | 373 | 311 | 266 | 233 | 544                   | 408 | 326 | 272 | 233 | 204 |
| 14,5                     | 791                   | 593  | 475 | 396 | 339 | 297 | 712                   | 534 | 427 | 356 | 305 | 267 | 678                   | 509 | 407 | 339 | 291 | 254 | 593                   | 445 | 356 | 297 | 254 | 222 |
| 15                       | 837                   | 628  | 502 | 419 | 359 | 314 | 754                   | 565 | 452 | 377 | 323 | 283 | 718                   | 538 | 431 | 359 | 308 | 269 | 628                   | 471 | 377 | 314 | 269 | 236 |
| 15,5                     | 940                   | 705  | 564 | 470 | 403 | 353 | 846                   | 635 | 508 | 423 | 363 | 317 | 806                   | 604 | 484 | 403 | 345 | 302 | 705                   | 529 | 423 | 353 | 302 | 264 |
| 16                       | 1020                  | 765  | 612 | 510 | 437 | 382 | 918                   | 688 | 551 | 459 | 393 | 344 | 874                   | 655 | 524 | 437 | 375 | 328 | 765                   | 574 | 459 | 382 | 328 | 287 |
| 16,5                     | 1120                  | 840  | 672 | 560 | 480 | 420 | 1008                  | 756 | 605 | 504 | 432 | 378 | 960                   | 720 | 576 | 480 | 411 | 360 | 840                   | 630 | 504 | 420 | 360 | 315 |
| 17                       | 1201                  | 901  | 721 | 600 | 515 | 450 | 1081                  | 811 | 648 | 540 | 463 | 405 | 1029                  | 772 | 618 | 515 | 441 | 386 | 901                   | 676 | 540 | 450 | 386 | 338 |
| 17,5                     | 1298                  | 973  | 779 | 649 | 556 | 487 | 1168                  | 876 | 701 | 584 | 501 | 438 | 1113                  | 834 | 668 | 556 | 477 | 417 | 973                   | 730 | 584 | 487 | 417 | 365 |
| 18                       | 1373                  | 1030 | 824 | 686 | 588 | 515 | 1235                  | 927 | 741 | 618 | 529 | 463 | 1177                  | 882 | 706 | 588 | 504 | 441 | 1030                  | 772 | 618 | 515 | 441 | 386 |
| 18,5                     | 1386                  | 1040 | 832 | 693 | 594 | 520 | 1247                  | 936 | 748 | 624 | 535 | 468 | 1188                  | 891 | 713 | 594 | 509 | 446 | 1040                  | 780 | 624 | 520 | 446 | 390 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



### NP 18-46 POLIDAP

Grupa Azoty Zakłady Chemiczne „Police” S.A.

Formuła nawozu: NP(S) 18-46-(5)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     | 32 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 2             |     |     |     |     |     | ŁD II - 2,3           |     |     |     |     |     | ŁD II - 3,1           |     |     |     |     |     | ŁD II - 3,2           |     |     |     |     |     |
|                          | ŁK II - 2,2           |     |     |     |     |     | ŁK II - 2,2           |     |     |     |     |     | ŁK II - 2,1           |     |     |     |     |     | ŁK II - 2             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 27                    | 21  | 16  | 14  | 12  | 10  | 26                    | 20  | 16  | 13  | 11  | 10  | 25                    | 18  | 15  | 12  | 11  | 9   | 23                    | 17  | 14  | 12  | 10  | 9   |
| 4,5                      | 34                    | 26  | 21  | 17  | 15  | 13  | 33                    | 25  | 20  | 17  | 14  | 12  | 31                    | 23  | 19  | 16  | 13  | 12  | 29                    | 22  | 17  | 15  | 12  | 11  |
| 5                        | 43                    | 32  | 26  | 21  | 18  | 16  | 41                    | 31  | 25  | 21  | 18  | 16  | 39                    | 29  | 23  | 19  | 17  | 15  | 36                    | 27  | 22  | 18  | 16  | 14  |
| 5,5                      | 52                    | 39  | 31  | 26  | 22  | 20  | 50                    | 38  | 30  | 25  | 22  | 19  | 47                    | 35  | 28  | 23  | 20  | 18  | 44                    | 33  | 26  | 22  | 19  | 16  |
| 6                        | 63                    | 47  | 38  | 31  | 27  | 24  | 60                    | 45  | 36  | 30  | 26  | 23  | 56                    | 42  | 34  | 28  | 24  | 21  | 53                    | 40  | 32  | 26  | 23  | 20  |
| 6,5                      | 75                    | 56  | 45  | 38  | 32  | 28  | 72                    | 54  | 43  | 36  | 31  | 27  | 68                    | 51  | 41  | 34  | 29  | 25  | 63                    | 48  | 38  | 32  | 27  | 24  |
| 7                        | 89                    | 67  | 54  | 45  | 38  | 33  | 86                    | 65  | 52  | 43  | 37  | 32  | 80                    | 60  | 48  | 40  | 34  | 30  | 75                    | 56  | 45  | 38  | 32  | 28  |
| 7,5                      | 104                   | 78  | 63  | 52  | 45  | 39  | 101                   | 76  | 60  | 50  | 43  | 38  | 94                    | 71  | 56  | 47  | 40  | 35  | 88                    | 66  | 53  | 44  | 38  | 33  |
| 8                        | 123                   | 92  | 74  | 62  | 53  | 46  | 119                   | 89  | 71  | 59  | 51  | 45  | 111                   | 83  | 67  | 55  | 48  | 42  | 104                   | 78  | 62  | 52  | 45  | 39  |
| 8,5                      | 142                   | 106 | 85  | 71  | 61  | 53  | 137                   | 103 | 82  | 68  | 59  | 51  | 128                   | 96  | 77  | 64  | 55  | 48  | 120                   | 90  | 72  | 60  | 51  | 45  |
| 9                        | 164                   | 123 | 98  | 82  | 70  | 62  | 158                   | 119 | 95  | 79  | 68  | 59  | 148                   | 111 | 89  | 74  | 63  | 55  | 138                   | 104 | 83  | 69  | 59  | 52  |
| 9,5                      | 186                   | 140 | 112 | 93  | 80  | 70  | 180                   | 135 | 108 | 90  | 77  | 67  | 168                   | 126 | 101 | 84  | 72  | 63  | 157                   | 118 | 94  | 79  | 67  | 59  |
| 10                       | 212                   | 159 | 127 | 106 | 91  | 80  | 205                   | 154 | 123 | 102 | 88  | 77  | 191                   | 143 | 115 | 96  | 82  | 72  | 179                   | 134 | 108 | 90  | 77  | 67  |
| 10,5                     | 238                   | 179 | 143 | 119 | 102 | 89  | 230                   | 172 | 138 | 115 | 98  | 86  | 214                   | 161 | 129 | 107 | 92  | 80  | 201                   | 151 | 121 | 100 | 86  | 75  |
| 11                       | 267                   | 200 | 160 | 133 | 114 | 100 | 257                   | 193 | 154 | 129 | 110 | 96  | 240                   | 180 | 144 | 120 | 103 | 90  | 225                   | 169 | 135 | 113 | 96  | 84  |
| 11,5                     | 297                   | 223 | 178 | 149 | 127 | 111 | 287                   | 215 | 172 | 143 | 123 | 108 | 268                   | 201 | 161 | 134 | 115 | 100 | 251                   | 188 | 151 | 125 | 108 | 94  |
| 12                       | 330                   | 247 | 198 | 165 | 141 | 124 | 318                   | 238 | 191 | 159 | 136 | 119 | 297                   | 223 | 178 | 148 | 127 | 111 | 278                   | 209 | 167 | 139 | 119 | 104 |
| 12,5                     | 363                   | 272 | 218 | 182 | 156 | 136 | 350                   | 263 | 210 | 175 | 150 | 131 | 327                   | 245 | 196 | 163 | 140 | 123 | 307                   | 230 | 184 | 153 | 131 | 115 |
| 13                       | 403                   | 302 | 242 | 201 | 173 | 151 | 388                   | 291 | 233 | 194 | 166 | 146 | 362                   | 272 | 217 | 181 | 155 | 136 | 340                   | 255 | 204 | 170 | 146 | 127 |
| 13,5                     | 445                   | 334 | 267 | 223 | 191 | 167 | 429                   | 322 | 258 | 215 | 184 | 161 | 401                   | 301 | 240 | 200 | 172 | 150 | 376                   | 282 | 225 | 188 | 161 | 141 |
| 14                       | 483                   | 363 | 290 | 242 | 207 | 181 | 466                   | 350 | 280 | 233 | 200 | 175 | 435                   | 326 | 261 | 218 | 186 | 163 | 408                   | 306 | 245 | 204 | 175 | 153 |
| 14,5                     | 527                   | 396 | 316 | 264 | 226 | 198 | 509                   | 381 | 305 | 254 | 218 | 191 | 475                   | 356 | 285 | 237 | 203 | 178 | 445                   | 334 | 267 | 222 | 191 | 167 |
| 15                       | 558                   | 419 | 335 | 279 | 239 | 209 | 538                   | 404 | 323 | 269 | 231 | 202 | 502                   | 377 | 301 | 251 | 215 | 188 | 471                   | 353 | 283 | 236 | 202 | 177 |
| 15,5                     | 627                   | 470 | 376 | 313 | 269 | 235 | 604                   | 453 | 363 | 302 | 259 | 227 | 564                   | 423 | 338 | 282 | 242 | 212 | 529                   | 397 | 317 | 264 | 227 | 198 |
| 16                       | 680                   | 510 | 408 | 340 | 291 | 255 | 655                   | 492 | 393 | 328 | 281 | 246 | 612                   | 459 | 367 | 306 | 262 | 229 | 574                   | 430 | 344 | 287 | 246 | 215 |
| 16,5                     | 747                   | 560 | 448 | 373 | 320 | 280 | 720                   | 540 | 432 | 360 | 309 | 270 | 672                   | 504 | 403 | 336 | 288 | 252 | 630                   | 473 | 378 | 315 | 270 | 236 |
| 17                       | 801                   | 600 | 480 | 400 | 343 | 300 | 772                   | 579 | 463 | 386 | 331 | 290 | 721                   | 540 | 432 | 360 | 309 | 270 | 676                   | 507 | 405 | 338 | 290 | 253 |
| 17,5                     | 865                   | 649 | 519 | 433 | 371 | 324 | 834                   | 626 | 501 | 417 | 358 | 313 | 779                   | 584 | 467 | 389 | 334 | 292 | 730                   | 548 | 438 | 365 | 313 | 274 |
| 18                       | 915                   | 686 | 549 | 458 | 392 | 343 | 882                   | 662 | 529 | 441 | 378 | 331 | 824                   | 618 | 494 | 412 | 353 | 309 | 772                   | 579 | 463 | 386 | 331 | 290 |
| 18,5                     | 924                   | 693 | 554 | 462 | 396 | 347 | 891                   | 668 | 535 | 446 | 382 | 334 | 832                   | 624 | 499 | 416 | 356 | 312 | 780                   | 585 | 468 | 390 | 334 | 292 |

LD I - Łopatka I długa  
LD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**NP 18-46 POLIDAP**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

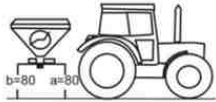
Formuła nawozu: NP(S) 18-46-(5)  
Klasa ziarnowa: granule 2-5 mm, nie mniej niż 92%  
Gęstość nasypowa: 0,9-1,0 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy | Wysiew graniczny |                        |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 0,1                  | ŁK I - 2,1  | 540 obr/min | 5              | 8                  | 9                | -3                     | -60%                     | -                   | -                      | -                        | -                |
| 15                | ŁD I - 0,3                  | ŁK I - 2,3  | 540 obr/min | 10             | 8                  | 9                | -2                     | -45%                     | 10                  | -3                     | -60%                     | 380 obr/min      |
| 16                | ŁD I - 1,1                  | ŁK I - 3,1  | 540 obr/min | 10             | 7                  | 8                | -2                     | -45%                     | 10                  | -3                     | -60%                     | 380 obr/min      |
| 18                | ŁD I - 1,2                  | ŁK I - 3,3  | 540 obr/min | 15             | 6                  | 8                | -2                     | -45%                     | 10                  | -3                     | -60%                     | -                |
|                   | ŁD II - 0,3                 | ŁK II - 2,1 | 540 obr/min | 25             | 6                  | 8                | -2                     | -45%                     | 10                  | -3                     | -60%                     | -                |
| 20                | ŁD I - 1,2                  | ŁK I - 4    | 540 obr/min | 20             | 5                  | 8                | -1                     | -25%                     | 10                  | -2                     | -45%                     | -                |
|                   | ŁD II - 0,5                 | ŁK II - 3   | 540 obr/min | 30             | 6                  | 8                | -1                     | -25%                     | 10                  | -2                     | -45%                     | -                |
| 21                | ŁD I - 3,3                  | ŁK I - 2    | 540 obr/min | 30             | 4                  | 7                | -1                     | -25%                     | 9                   | -2                     | -45%                     | -                |
|                   | ŁD II - 1                   | ŁK II - 3   | 540 obr/min | 30             | 6                  | 8                | -1                     | -25%                     | 10                  | -2                     | -45%                     | -                |
| 24                | ŁD I - 4                    | ŁK I - 2,4  | 540 obr/min | 35             | 4                  | 7                | 0                      | 0                        | 9                   | -2                     | -45%                     | -                |
|                   | ŁD II - 1,3                 | ŁK II - 2,2 | 540 obr/min | 35             | 4                  | 6                | 0                      | 0                        | 9                   | -2                     | -45%                     | -                |
| 27                | ŁD II - 2                   | ŁK II - 2,2 | 540 obr/min | 40             | 4                  | 6                | 0                      | 0                        | 8                   | -1                     | -25%                     | -                |
| 28                | ŁD II - 2,3                 | ŁK II - 2,2 | 540 obr/min | 40             | 4                  | 6                | 0                      | 0                        | 8                   | -1                     | -25%                     | -                |
| 30                | ŁD II - 3,1                 | ŁK II - 2,1 | 540 obr/min | 45             | 3                  | 5                | 0                      | 0                        | 8                   | -1                     | -25%                     | -                |
| 32                | ŁD II - 3,2                 | ŁK II - 2   | 540 obr/min | 45             | 3                  | 5                | 0                      | 0                        | 7                   | -1                     | -25%                     | -                |

ŁD I - Łopatką I długa  
ŁD II - Łopatką II długa  
ŁK I - Łopatką I krótka  
ŁK II - Łopatką II krótka







# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatkı I



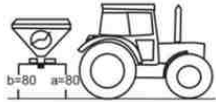
**N 46 Urea Mocznik.pl**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: N 46  
Skład ziarnowy: granule 1-3 mm, nie mniej niż 90%  
Gęstość nasypowa: 0,70 – 0,78 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |     |     |     | 15 m                  |      |     |     |     |     | 16 m                  |      |     |     |     |     | 18 m                  |     |     |     |     |     | 20 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 3,4            |      |      |     |     |     | ŁD I - 3,4            |      |     |     |     |     | ŁD I - 3,4            |      |     |     |     |     | ŁD I - 5              |     |     |     |     |     | ŁD I - 6              |     |     |     |     |     |
|                          | ŁK I - 1,4            |      |      |     |     |     | ŁK I - 3              |      |     |     |     |     | ŁK I - 3,2            |      |     |     |     |     | ŁK I - 3              |     |     |     |     |     | ŁK I - 3,1            |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |     |     |     |                       |      |     |     |     |     |                       |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 73                    | 55   | 44   | 36  | 31  | 27  | 58                    | 44   | 35  | 29  | 25  | 22  | 55                    | 41   | 33  | 27  | 23  | 20  | 49                    | 36  | 29  | 24  | 21  | 18  | 44                    | 33  | 26  | 22  | 19  | 16  |
| 4,5                      | 90                    | 67   | 54   | 45  | 39  | 34  | 72                    | 54   | 43  | 36  | 31  | 27  | 67                    | 51   | 40  | 34  | 29  | 25  | 60                    | 45  | 36  | 30  | 26  | 22  | 54                    | 40  | 32  | 27  | 23  | 20  |
| 5                        | 108                   | 81   | 65   | 54  | 46  | 41  | 86                    | 65   | 52  | 43  | 37  | 32  | 81                    | 61   | 49  | 41  | 35  | 30  | 72                    | 54  | 43  | 36  | 31  | 27  | 65                    | 49  | 39  | 32  | 28  | 24  |
| 5,5                      | 133                   | 100  | 80   | 66  | 57  | 50  | 106                   | 80   | 64  | 53  | 45  | 40  | 100                   | 75   | 60  | 50  | 43  | 37  | 88                    | 66  | 53  | 44  | 38  | 33  | 80                    | 60  | 48  | 40  | 34  | 30  |
| 6                        | 158                   | 119  | 95   | 79  | 68  | 59  | 127                   | 95   | 76  | 63  | 54  | 47  | 119                   | 89   | 71  | 59  | 51  | 44  | 105                   | 79  | 63  | 53  | 45  | 40  | 95                    | 71  | 57  | 47  | 41  | 36  |
| 6,5                      | 188                   | 141  | 113  | 94  | 80  | 70  | 150                   | 113  | 90  | 75  | 64  | 56  | 141                   | 106  | 85  | 70  | 60  | 53  | 125                   | 94  | 75  | 63  | 54  | 47  | 113                   | 85  | 68  | 56  | 48  | 42  |
| 7                        | 221                   | 166  | 133  | 110 | 95  | 83  | 177                   | 133  | 106 | 88  | 76  | 66  | 166                   | 124  | 99  | 83  | 71  | 62  | 147                   | 110 | 88  | 74  | 63  | 55  | 133                   | 99  | 80  | 66  | 57  | 50  |
| 7,5                      | 257                   | 192  | 154  | 128 | 110 | 96  | 205                   | 154  | 123 | 103 | 88  | 77  | 192                   | 144  | 115 | 96  | 82  | 72  | 171                   | 128 | 103 | 86  | 73  | 64  | 154                   | 115 | 92  | 77  | 66  | 58  |
| 8                        | 302                   | 226  | 181  | 151 | 129 | 113 | 241                   | 181  | 145 | 121 | 103 | 90  | 226                   | 170  | 136 | 113 | 97  | 85  | 201                   | 151 | 121 | 101 | 86  | 75  | 181                   | 136 | 109 | 90  | 78  | 68  |
| 8,5                      | 345                   | 259  | 207  | 173 | 148 | 130 | 276                   | 207  | 166 | 138 | 118 | 104 | 259                   | 194  | 155 | 130 | 111 | 97  | 230                   | 173 | 138 | 115 | 99  | 86  | 207                   | 155 | 124 | 104 | 89  | 78  |
| 9                        | 392                   | 294  | 235  | 196 | 168 | 147 | 313                   | 235  | 188 | 157 | 134 | 118 | 294                   | 220  | 176 | 147 | 126 | 110 | 261                   | 196 | 157 | 131 | 112 | 98  | 235                   | 176 | 141 | 118 | 101 | 88  |
| 9,5                      | 442                   | 332  | 265  | 221 | 189 | 166 | 354                   | 265  | 212 | 177 | 152 | 133 | 332                   | 249  | 199 | 166 | 142 | 124 | 295                   | 221 | 177 | 147 | 126 | 111 | 265                   | 199 | 159 | 133 | 114 | 99  |
| 10                       | 506                   | 379  | 303  | 253 | 217 | 190 | 405                   | 303  | 243 | 202 | 173 | 152 | 379                   | 284  | 228 | 190 | 163 | 142 | 337                   | 253 | 202 | 169 | 144 | 126 | 303                   | 228 | 182 | 152 | 130 | 114 |
| 10,5                     | 561                   | 421  | 337  | 281 | 241 | 210 | 449                   | 337  | 269 | 224 | 192 | 168 | 421                   | 316  | 253 | 210 | 180 | 158 | 374                   | 281 | 224 | 187 | 160 | 140 | 337                   | 253 | 202 | 168 | 144 | 126 |
| 11                       | 636                   | 477  | 382  | 318 | 273 | 239 | 509                   | 382  | 305 | 255 | 218 | 191 | 477                   | 358  | 286 | 239 | 205 | 179 | 424                   | 318 | 255 | 212 | 182 | 159 | 382                   | 286 | 229 | 191 | 164 | 143 |
| 11,5                     | 697                   | 522  | 418  | 348 | 299 | 261 | 557                   | 418  | 334 | 279 | 239 | 209 | 522                   | 392  | 313 | 261 | 224 | 196 | 464                   | 348 | 279 | 232 | 199 | 174 | 418                   | 313 | 251 | 209 | 179 | 157 |
| 12                       | 776                   | 582  | 466  | 388 | 333 | 291 | 621                   | 466  | 373 | 310 | 266 | 233 | 582                   | 437  | 349 | 291 | 249 | 218 | 517                   | 388 | 310 | 259 | 222 | 194 | 466                   | 349 | 279 | 233 | 200 | 175 |
| 12,5                     | 851                   | 638  | 510  | 425 | 365 | 319 | 680                   | 510  | 408 | 340 | 292 | 255 | 638                   | 478  | 383 | 319 | 273 | 239 | 567                   | 425 | 340 | 284 | 243 | 213 | 510                   | 383 | 306 | 255 | 219 | 191 |
| 13                       | 934                   | 700  | 560  | 467 | 400 | 350 | 747                   | 560  | 448 | 373 | 320 | 280 | 700                   | 525  | 420 | 350 | 300 | 263 | 622                   | 467 | 373 | 311 | 267 | 233 | 560                   | 420 | 336 | 280 | 240 | 210 |
| 13,5                     | 1018                  | 764  | 611  | 509 | 436 | 382 | 815                   | 611  | 489 | 407 | 349 | 306 | 764                   | 573  | 458 | 382 | 327 | 286 | 679                   | 509 | 407 | 339 | 291 | 255 | 611                   | 458 | 367 | 306 | 262 | 229 |
| 14                       | 1111                  | 833  | 666  | 555 | 476 | 417 | 889                   | 666  | 533 | 444 | 381 | 333 | 833                   | 625  | 500 | 417 | 357 | 312 | 740                   | 555 | 444 | 370 | 317 | 278 | 666                   | 500 | 400 | 333 | 286 | 250 |
| 14,5                     | 1200                  | 900  | 720  | 600 | 514 | 450 | 960                   | 720  | 576 | 480 | 411 | 360 | 900                   | 675  | 540 | 450 | 386 | 338 | 800                   | 600 | 480 | 400 | 343 | 300 | 720                   | 540 | 432 | 360 | 309 | 270 |
| 15                       | 1287                  | 965  | 772  | 643 | 551 | 483 | 1029                  | 772  | 618 | 515 | 441 | 386 | 965                   | 724  | 579 | 483 | 414 | 362 | 858                   | 643 | 515 | 429 | 368 | 322 | 772                   | 579 | 463 | 386 | 331 | 290 |
| 15,5                     | 1414                  | 1061 | 849  | 707 | 606 | 530 | 1131                  | 849  | 679 | 566 | 485 | 424 | 1061                  | 795  | 636 | 530 | 455 | 398 | 943                   | 707 | 566 | 471 | 404 | 354 | 849                   | 636 | 509 | 424 | 364 | 318 |
| 16                       | 1521                  | 1141 | 913  | 760 | 652 | 570 | 1217                  | 913  | 730 | 608 | 521 | 456 | 1141                  | 855  | 684 | 570 | 489 | 428 | 1014                  | 760 | 608 | 507 | 435 | 380 | 913                   | 684 | 548 | 456 | 391 | 342 |
| 16,5                     | 1615                  | 1211 | 969  | 808 | 692 | 606 | 1292                  | 969  | 775 | 646 | 554 | 485 | 1211                  | 909  | 727 | 606 | 519 | 454 | 1077                  | 808 | 646 | 538 | 461 | 404 | 969                   | 727 | 581 | 485 | 415 | 363 |
| 17                       | 1728                  | 1296 | 1037 | 864 | 741 | 648 | 1382                  | 1037 | 829 | 691 | 592 | 518 | 1296                  | 972  | 778 | 648 | 555 | 486 | 1152                  | 864 | 691 | 576 | 494 | 432 | 1037                  | 778 | 622 | 518 | 444 | 389 |
| 17,5                     | 1867                  | 1400 | 1120 | 933 | 800 | 700 | 1493                  | 1120 | 896 | 747 | 640 | 560 | 1400                  | 1050 | 840 | 700 | 600 | 525 | 1245                  | 933 | 747 | 622 | 533 | 467 | 1120                  | 840 | 672 | 560 | 480 | 420 |
| 18                       | 1927                  | 1445 | 1156 | 963 | 826 | 722 | 1541                  | 1156 | 925 | 771 | 661 | 578 | 1445                  | 1084 | 867 | 722 | 619 | 542 | 1284                  | 963 | 771 | 642 | 550 | 482 | 1156                  | 867 | 694 | 578 | 495 | 433 |
| 18,5                     | 1943                  | 1457 | 1166 | 971 | 833 | 729 | 1554                  | 1166 | 933 | 777 | 666 | 583 | 1457                  | 1093 | 874 | 729 | 624 | 546 | 1295                  | 971 | 777 | 648 | 555 | 486 | 1166                  | 874 | 699 | 583 | 500 | 437 |

ŁD I - Łopatkı I długa  
ŁD II - Łopatkı II długa  
ŁK I - Łopatkı I krótka  
ŁK II - Łopatkı II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatkii II



**N 46 Urea Mocznik.pl**

**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: N 46  
Skład ziarnowy: granulę 1-3 mm, nie mniej niż 90%  
Gęstość nasypowa: 0,70 – 0,78 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |     |     |     |     |     | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 3             |     |     |     |     |     | ŁD II - 4             |     |     |     |     |     | ŁD II - 4             |     |     |     |     |     | ŁD II - 6             |     |     |     |     |     |
|                          | ŁK II - 2             |     |     |     |     |     | ŁK II - 2             |     |     |     |     |     | ŁK II - 2,2           |     |     |     |     |     | ŁK II - 2             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 49                    | 36  | 29  | 24  | 21  | 18  | 44                    | 33  | 26  | 22  | 19  | 16  | 42                    | 31  | 25  | 21  | 18  | 16  | 36                    | 27  | 22  | 18  | 16  | 14  |
| 4,5                      | 60                    | 45  | 36  | 30  | 26  | 22  | 54                    | 40  | 32  | 27  | 23  | 20  | 51                    | 39  | 31  | 26  | 22  | 19  | 45                    | 34  | 27  | 22  | 19  | 17  |
| 5                        | 72                    | 54  | 43  | 36  | 31  | 27  | 65                    | 49  | 39  | 32  | 28  | 24  | 62                    | 46  | 37  | 31  | 26  | 23  | 54                    | 41  | 32  | 27  | 23  | 20  |
| 5,5                      | 88                    | 66  | 53  | 44  | 38  | 33  | 80                    | 60  | 48  | 40  | 34  | 30  | 76                    | 57  | 45  | 38  | 32  | 28  | 66                    | 50  | 40  | 33  | 28  | 25  |
| 6                        | 105                   | 79  | 63  | 53  | 45  | 40  | 95                    | 71  | 57  | 47  | 41  | 36  | 90                    | 68  | 54  | 45  | 39  | 34  | 79                    | 59  | 47  | 40  | 34  | 30  |
| 6,5                      | 125                   | 94  | 75  | 63  | 54  | 47  | 113                   | 85  | 68  | 56  | 48  | 42  | 107                   | 80  | 64  | 54  | 46  | 40  | 94                    | 70  | 56  | 47  | 40  | 35  |
| 7                        | 147                   | 110 | 88  | 74  | 63  | 55  | 133                   | 99  | 80  | 66  | 57  | 50  | 126                   | 95  | 76  | 63  | 54  | 47  | 110                   | 83  | 66  | 55  | 47  | 41  |
| 7,5                      | 171                   | 128 | 103 | 86  | 73  | 64  | 154                   | 115 | 92  | 77  | 66  | 58  | 147                   | 110 | 88  | 73  | 63  | 55  | 128                   | 96  | 77  | 64  | 55  | 48  |
| 8                        | 201                   | 151 | 121 | 101 | 86  | 75  | 181                   | 136 | 109 | 90  | 78  | 68  | 172                   | 129 | 103 | 86  | 74  | 65  | 151                   | 113 | 90  | 75  | 65  | 57  |
| 8,5                      | 230                   | 173 | 138 | 115 | 99  | 86  | 207                   | 155 | 124 | 104 | 89  | 78  | 197                   | 148 | 118 | 99  | 85  | 74  | 173                   | 130 | 104 | 86  | 74  | 65  |
| 9                        | 261                   | 196 | 157 | 131 | 112 | 98  | 235                   | 176 | 141 | 118 | 101 | 88  | 224                   | 168 | 134 | 112 | 96  | 84  | 196                   | 147 | 118 | 98  | 84  | 73  |
| 9,5                      | 295                   | 221 | 177 | 147 | 126 | 111 | 265                   | 199 | 159 | 133 | 114 | 99  | 253                   | 189 | 152 | 126 | 108 | 95  | 221                   | 166 | 133 | 111 | 95  | 83  |
| 10                       | 337                   | 253 | 202 | 169 | 144 | 126 | 303                   | 228 | 182 | 152 | 130 | 114 | 289                   | 217 | 173 | 144 | 124 | 108 | 253                   | 190 | 152 | 126 | 108 | 95  |
| 10,5                     | 374                   | 281 | 224 | 187 | 160 | 140 | 337                   | 253 | 202 | 168 | 144 | 126 | 321                   | 241 | 192 | 160 | 137 | 120 | 281                   | 210 | 168 | 140 | 120 | 105 |
| 11                       | 424                   | 318 | 255 | 212 | 182 | 159 | 382                   | 286 | 229 | 191 | 164 | 143 | 364                   | 273 | 218 | 182 | 156 | 136 | 318                   | 239 | 191 | 159 | 136 | 119 |
| 11,5                     | 464                   | 348 | 279 | 232 | 199 | 174 | 418                   | 313 | 251 | 209 | 179 | 157 | 398                   | 299 | 239 | 199 | 171 | 149 | 348                   | 261 | 209 | 174 | 149 | 131 |
| 12                       | 517                   | 388 | 310 | 259 | 222 | 194 | 466                   | 349 | 279 | 233 | 200 | 175 | 443                   | 333 | 266 | 222 | 190 | 166 | 388                   | 291 | 233 | 194 | 166 | 146 |
| 12,5                     | 567                   | 425 | 340 | 284 | 243 | 213 | 510                   | 383 | 306 | 255 | 219 | 191 | 486                   | 365 | 292 | 243 | 208 | 182 | 425                   | 319 | 255 | 213 | 182 | 159 |
| 13                       | 622                   | 467 | 373 | 311 | 267 | 233 | 560                   | 420 | 336 | 280 | 240 | 210 | 533                   | 400 | 320 | 267 | 229 | 200 | 467                   | 350 | 280 | 233 | 200 | 175 |
| 13,5                     | 679                   | 509 | 407 | 339 | 291 | 255 | 611                   | 458 | 367 | 306 | 262 | 229 | 582                   | 436 | 349 | 291 | 249 | 218 | 509                   | 382 | 306 | 255 | 218 | 191 |
| 14                       | 740                   | 555 | 444 | 370 | 317 | 278 | 666                   | 500 | 400 | 333 | 286 | 250 | 635                   | 476 | 381 | 317 | 272 | 238 | 555                   | 417 | 333 | 278 | 238 | 208 |
| 14,5                     | 800                   | 600 | 480 | 400 | 343 | 300 | 720                   | 540 | 432 | 360 | 309 | 270 | 686                   | 514 | 411 | 343 | 294 | 257 | 600                   | 450 | 360 | 300 | 257 | 225 |
| 15                       | 858                   | 643 | 515 | 429 | 368 | 322 | 772                   | 579 | 463 | 386 | 331 | 290 | 735                   | 551 | 441 | 368 | 315 | 276 | 643                   | 483 | 386 | 322 | 276 | 241 |
| 15,5                     | 943                   | 707 | 566 | 471 | 404 | 354 | 849                   | 636 | 509 | 424 | 364 | 318 | 808                   | 606 | 485 | 404 | 346 | 303 | 707                   | 530 | 424 | 354 | 303 | 265 |
| 16                       | 1014                  | 760 | 608 | 507 | 435 | 380 | 913                   | 684 | 548 | 456 | 391 | 342 | 869                   | 652 | 521 | 435 | 372 | 326 | 760                   | 570 | 456 | 380 | 326 | 285 |
| 16,5                     | 1077                  | 808 | 646 | 538 | 461 | 404 | 969                   | 727 | 581 | 485 | 415 | 363 | 923                   | 692 | 554 | 461 | 396 | 346 | 808                   | 606 | 485 | 404 | 346 | 303 |
| 17                       | 1152                  | 864 | 691 | 576 | 494 | 432 | 1037                  | 778 | 622 | 518 | 444 | 389 | 987                   | 741 | 592 | 494 | 423 | 370 | 864                   | 648 | 518 | 432 | 370 | 324 |
| 17,5                     | 1245                  | 933 | 747 | 622 | 533 | 467 | 1120                  | 840 | 672 | 560 | 480 | 420 | 1067                  | 800 | 640 | 533 | 457 | 400 | 933                   | 700 | 560 | 467 | 400 | 350 |
| 18                       | 1284                  | 963 | 771 | 642 | 550 | 482 | 1156                  | 867 | 694 | 578 | 495 | 433 | 1101                  | 826 | 661 | 550 | 472 | 413 | 963                   | 722 | 578 | 482 | 413 | 361 |
| 18,5                     | 1295                  | 971 | 777 | 648 | 555 | 486 | 1166                  | 874 | 699 | 583 | 500 | 437 | 1110                  | 833 | 666 | 555 | 476 | 416 | 971                   | 729 | 583 | 486 | 416 | 364 |

LD I - Łopatkii I długa  
LD II - Łopatkii II długa  
ŁK I - Łopatkii I krótka  
ŁK II - Łopatkii II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**N 46 Urea Mocznik.pl**

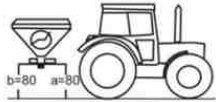
**Grupa Azoty Zakłady Chemiczne „Police” S.A.**

Formuła nawozu: N 46  
Skład ziarnowy: granule 1-3 mm, nie mniej niż 90%  
Gęstość nasypowa: 0,70 – 0,78 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy |                  | Wysiew graniczny       |                          |                  | Rozsiew przy rowach    |                          |                  |  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|------------------|------------------------|--------------------------|------------------|--|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |  |
| 12                | ŁD I - 3,4                  | ŁK I - 1,4  | 540 obr/min | 20             | 60                 | 80               | -1                     | -25%                     | 100              | -3                     | -60%                     | -                |  |
| 15                | ŁD I - 3,4                  | ŁK I - 3    | 540 obr/min | 25             | 60                 | 80               | -2                     | -45%                     | 100              | -3                     | -60%                     | -                |  |
| 16                | ŁD I - 3,4                  | ŁK I - 3,2  | 540 obr/min | 30             | 60                 | 80               | -1,5                   | -35%                     | 100              | -3                     | -60%                     | -                |  |
| 18                | ŁD I - 5                    | ŁK I - 3    | 540 obr/min | 35             | 0                  | 70               | -1                     | -25%                     | 90               | -2                     | -45%                     | -                |  |
|                   | ŁD II - 3                   | ŁK II - 2   | 540 obr/min | 30             | 0                  | 70               | -1                     | -25%                     | 100              | -2                     | -45%                     | -                |  |
| 20                | ŁD I - 6                    | ŁK I - 3,1  | 540 obr/min | 35             | 0                  | 70               | -1,5                   | -35%                     | 100              | -2                     | -45%                     | -                |  |
|                   | ŁD II - 4                   | ŁK II - 2   | 540 obr/min | 35             | 0                  | 70               | -1                     | -25%                     | 90               | -2                     | -45%                     | -                |  |
| 21                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                | -                      | -                        | -                |  |
|                   | ŁD II - 4                   | ŁK II - 2,2 | 540 obr/min | 40             | 0                  | 7                | -1,5                   | -35%                     | 90               | -2                     | -45%                     | -                |  |
| 24                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                | -                      | -                        | -                |  |
|                   | ŁD II - 6                   | ŁK II - 2   | 540 obr/min | 45             | 0                  | 6                | -1                     | -25%                     | 80               | -2                     | -45%                     | -                |  |
| 27                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                | -                      | -                        | -                |  |
| 28                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                | -                      | -                        | -                |  |
| 30                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                | -                      | -                        | -                |  |
| 32                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                | -                      | -                        | -                |  |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka





# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



### N 27 CAN Saletrzak 27 standard

Grupa Azoty Zakłady Azotowe Tarnów S.A.

Formuła nawozu: N(CaO, MgO) 27(2,4)  
Klasa ziarnowa: granule 2,0-6,0 mm, co najmniej 95%  
Gęstość nasypowa: 1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |      |     | 15 m                  |      |      |      |     |     | 16 m                  |      |      |     |     |     | 18 m                  |      |      |     |     |     |
|--------------------------|-----------------------|------|------|------|------|-----|-----------------------|------|------|------|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|------|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 2,4            |      |      |      |      |     | ŁD I - 3              |      |      |      |     |     | ŁD I - 3              |      |      |     |     |     | ŁD I - 3,3            |      |      |     |     |     |
|                          | ŁK I - 0,4            |      |      |      |      |     | ŁK I - 0,4            |      |      |      |     |     | ŁK I - 1,1            |      |      |     |     |     | ŁK I - 1,1            |      |      |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |      |     | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |      |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |      |     |                       |      |      |      |     |     |                       |      |      |     |     |     |                       |      |      |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |      |     | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |      |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14   | 16  | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  |
| 4                        | 70                    | 53   | 42   | 35   | 30   | 26  | 56                    | 42   | 34   | 28   | 24  | 21  | 53                    | 40   | 32   | 26  | 23  | 20  | 47                    | 35   | 28   | 23  | 20  | 18  |
| 4,5                      | 93                    | 70   | 56   | 47   | 40   | 35  | 74                    | 56   | 45   | 37   | 32  | 28  | 70                    | 52   | 42   | 35  | 30  | 26  | 62                    | 47   | 37   | 31  | 27  | 23  |
| 5                        | 116                   | 87   | 69   | 58   | 50   | 43  | 93                    | 69   | 56   | 46   | 40  | 35  | 87                    | 65   | 52   | 43  | 37  | 33  | 77                    | 58   | 46   | 39  | 33  | 29  |
| 5,5                      | 148                   | 111  | 89   | 74   | 63   | 55  | 118                   | 89   | 71   | 59   | 51  | 44  | 111                   | 83   | 66   | 55  | 47  | 41  | 98                    | 74   | 59   | 49  | 42  | 37  |
| 6                        | 177                   | 133  | 106  | 88   | 76   | 66  | 141                   | 106  | 85   | 71   | 61  | 53  | 133                   | 99   | 80   | 66  | 57  | 50  | 118                   | 88   | 71   | 59  | 50  | 44  |
| 6,5                      | 219                   | 164  | 131  | 109  | 94   | 82  | 175                   | 131  | 105  | 88   | 75  | 66  | 164                   | 123  | 98   | 82  | 70  | 62  | 146                   | 109  | 88   | 73  | 63  | 55  |
| 7                        | 256                   | 192  | 154  | 128  | 110  | 96  | 205                   | 154  | 123  | 102  | 88  | 77  | 192                   | 144  | 115  | 96  | 82  | 72  | 171                   | 128  | 102  | 85  | 73  | 64  |
| 7,5                      | 314                   | 236  | 188  | 157  | 135  | 118 | 251                   | 188  | 151  | 126  | 108 | 94  | 236                   | 177  | 141  | 118 | 101 | 88  | 209                   | 157  | 126  | 105 | 90  | 79  |
| 8                        | 364                   | 273  | 218  | 182  | 156  | 137 | 291                   | 218  | 175  | 146  | 125 | 109 | 273                   | 205  | 164  | 137 | 117 | 102 | 243                   | 182  | 146  | 121 | 104 | 91  |
| 8,5                      | 410                   | 307  | 246  | 205  | 176  | 154 | 328                   | 246  | 197  | 164  | 140 | 123 | 307                   | 230  | 184  | 154 | 132 | 115 | 273                   | 205  | 164  | 137 | 117 | 102 |
| 9                        | 481                   | 361  | 288  | 240  | 206  | 180 | 385                   | 288  | 231  | 192  | 165 | 144 | 361                   | 270  | 216  | 180 | 155 | 135 | 320                   | 240  | 192  | 160 | 137 | 120 |
| 9,5                      | 557                   | 418  | 334  | 279  | 239  | 209 | 446                   | 334  | 268  | 223  | 191 | 167 | 418                   | 314  | 251  | 209 | 179 | 157 | 372                   | 279  | 223  | 186 | 159 | 139 |
| 10                       | 612                   | 459  | 367  | 306  | 262  | 229 | 490                   | 367  | 294  | 245  | 210 | 184 | 459                   | 344  | 275  | 229 | 197 | 172 | 408                   | 306  | 245  | 204 | 175 | 153 |
| 10,5                     | 709                   | 532  | 425  | 354  | 304  | 266 | 567                   | 425  | 340  | 284  | 243 | 213 | 532                   | 399  | 319  | 266 | 228 | 199 | 473                   | 354  | 284  | 236 | 203 | 177 |
| 11                       | 796                   | 597  | 478  | 398  | 341  | 298 | 637                   | 478  | 382  | 318  | 273 | 239 | 597                   | 448  | 358  | 298 | 256 | 224 | 531                   | 398  | 318  | 265 | 227 | 199 |
| 11,5                     | 889                   | 667  | 533  | 444  | 381  | 333 | 711                   | 533  | 427  | 356  | 305 | 267 | 667                   | 500  | 400  | 333 | 286 | 250 | 593                   | 444  | 356  | 296 | 254 | 222 |
| 12                       | 974                   | 731  | 584  | 487  | 417  | 365 | 779                   | 584  | 468  | 390  | 334 | 292 | 731                   | 548  | 438  | 365 | 313 | 274 | 649                   | 487  | 390  | 325 | 278 | 244 |
| 12,5                     | 1063                  | 797  | 638  | 531  | 455  | 399 | 850                   | 638  | 510  | 425  | 364 | 319 | 797                   | 598  | 478  | 399 | 342 | 299 | 708                   | 531  | 425  | 354 | 304 | 266 |
| 13                       | 1167                  | 875  | 700  | 584  | 500  | 438 | 934                   | 700  | 560  | 467  | 400 | 350 | 875                   | 657  | 525  | 438 | 375 | 328 | 778                   | 584  | 467  | 389 | 333 | 292 |
| 13,5                     | 1279                  | 960  | 768  | 640  | 548  | 480 | 1023                  | 768  | 614  | 512  | 439 | 384 | 960                   | 720  | 576  | 480 | 411 | 360 | 853                   | 640  | 512  | 426 | 366 | 320 |
| 14                       | 1392                  | 1044 | 835  | 696  | 597  | 522 | 1114                  | 835  | 668  | 557  | 477 | 418 | 1044                  | 783  | 627  | 522 | 448 | 392 | 928                   | 696  | 557  | 464 | 398 | 348 |
| 14,5                     | 1532                  | 1149 | 919  | 766  | 656  | 574 | 1225                  | 919  | 735  | 613  | 525 | 459 | 1149                  | 861  | 689  | 574 | 492 | 431 | 1021                  | 766  | 613  | 511 | 438 | 383 |
| 15                       | 1640                  | 1230 | 984  | 820  | 703  | 615 | 1312                  | 984  | 787  | 656  | 562 | 492 | 1230                  | 922  | 738  | 615 | 527 | 461 | 1093                  | 820  | 656  | 547 | 468 | 410 |
| 15,5                     | 1772                  | 1329 | 1063 | 886  | 759  | 664 | 1417                  | 1063 | 850  | 709  | 607 | 532 | 1329                  | 997  | 797  | 664 | 569 | 498 | 1181                  | 886  | 709  | 591 | 506 | 443 |
| 16                       | 1910                  | 1432 | 1146 | 955  | 818  | 716 | 1528                  | 1146 | 917  | 764  | 655 | 573 | 1432                  | 1074 | 859  | 716 | 614 | 537 | 1273                  | 955  | 764  | 637 | 546 | 477 |
| 16,5                     | 2106                  | 1579 | 1263 | 1053 | 902  | 790 | 1684                  | 1263 | 1011 | 842  | 722 | 632 | 1579                  | 1184 | 948  | 790 | 677 | 592 | 1404                  | 1053 | 842  | 702 | 602 | 526 |
| 17                       | 2267                  | 1700 | 1360 | 1133 | 971  | 850 | 1813                  | 1360 | 1088 | 907  | 777 | 680 | 1700                  | 1275 | 1020 | 850 | 729 | 638 | 1511                  | 1133 | 907  | 756 | 648 | 567 |
| 17,5                     | 2443                  | 1832 | 1466 | 1221 | 1047 | 916 | 1954                  | 1466 | 1172 | 977  | 837 | 733 | 1832                  | 1374 | 1099 | 916 | 785 | 687 | 1628                  | 1221 | 977  | 814 | 698 | 611 |
| 18                       | 2569                  | 1927 | 1541 | 1284 | 1101 | 963 | 2055                  | 1541 | 1233 | 1028 | 881 | 771 | 1927                  | 1445 | 1156 | 963 | 826 | 723 | 1713                  | 1284 | 1028 | 856 | 734 | 642 |
| 18,5                     | 2590                  | 1943 | 1554 | 1295 | 1110 | 971 | 2072                  | 1554 | 1243 | 1036 | 888 | 777 | 1943                  | 1457 | 1166 | 971 | 833 | 729 | 1727                  | 1295 | 1036 | 863 | 740 | 648 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatkki I



**N 27 CAN Saletrzak 27 standard**

**Grupa Azoty Zakłady Azotowe Tarnów S.A.**

Formuła nawozu: N(CaO, MgO) 27(2,4)  
 Klasa ziarnowa: granule 2,0-6,0 mm, co najmniej 95%  
 Gęstość nasypowa: 1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |      |     |     |     |     | 21 m                  |      |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 4              |      |     |     |     |     | ŁD I - 4              |      |     |     |     |     | ŁD I - 5              |     |     |     |     |     |
|                          | ŁK I - 1,3            |      |     |     |     |     | ŁK I - 2              |      |     |     |     |     | ŁK I - 2,2            |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |      |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 42                    | 32   | 25  | 21  | 18  | 16  | 40                    | 30   | 24  | 20  | 17  | 15  | 35                    | 26  | 21  | 18  | 15  | 13  |
| 4,5                      | 56                    | 42   | 34  | 28  | 24  | 21  | 53                    | 40   | 32  | 27  | 23  | 20  | 47                    | 35  | 28  | 23  | 20  | 17  |
| 5                        | 69                    | 52   | 42  | 35  | 30  | 26  | 66                    | 50   | 40  | 33  | 28  | 25  | 58                    | 43  | 35  | 29  | 25  | 22  |
| 5,5                      | 89                    | 66   | 53  | 44  | 38  | 33  | 84                    | 63   | 51  | 42  | 36  | 32  | 74                    | 55  | 44  | 37  | 32  | 28  |
| 6                        | 106                   | 80   | 64  | 53  | 45  | 40  | 101                   | 76   | 61  | 50  | 43  | 38  | 88                    | 66  | 53  | 44  | 38  | 33  |
| 6,5                      | 131                   | 98   | 79  | 66  | 56  | 49  | 125                   | 94   | 75  | 63  | 54  | 47  | 109                   | 82  | 66  | 55  | 47  | 41  |
| 7                        | 154                   | 115  | 92  | 77  | 66  | 58  | 146                   | 110  | 88  | 73  | 63  | 55  | 128                   | 96  | 77  | 64  | 55  | 48  |
| 7,5                      | 188                   | 141  | 113 | 94  | 81  | 71  | 179                   | 135  | 108 | 90  | 77  | 67  | 157                   | 118 | 94  | 79  | 67  | 59  |
| 8                        | 218                   | 164  | 131 | 109 | 94  | 82  | 208                   | 156  | 125 | 104 | 89  | 78  | 182                   | 137 | 109 | 91  | 78  | 68  |
| 8,5                      | 246                   | 184  | 147 | 123 | 105 | 92  | 234                   | 176  | 140 | 117 | 100 | 88  | 205                   | 154 | 123 | 102 | 88  | 77  |
| 9                        | 288                   | 216  | 173 | 144 | 124 | 108 | 275                   | 206  | 165 | 137 | 118 | 103 | 240                   | 180 | 144 | 120 | 103 | 90  |
| 9,5                      | 334                   | 251  | 201 | 167 | 143 | 125 | 318                   | 239  | 191 | 159 | 136 | 119 | 279                   | 209 | 167 | 139 | 119 | 105 |
| 10                       | 367                   | 275  | 220 | 184 | 157 | 138 | 350                   | 262  | 210 | 175 | 150 | 131 | 306                   | 229 | 184 | 153 | 131 | 115 |
| 10,5                     | 425                   | 319  | 255 | 213 | 182 | 160 | 405                   | 304  | 243 | 203 | 174 | 152 | 354                   | 266 | 213 | 177 | 152 | 133 |
| 11                       | 478                   | 358  | 287 | 239 | 205 | 179 | 455                   | 341  | 273 | 227 | 195 | 171 | 398                   | 298 | 239 | 199 | 171 | 149 |
| 11,5                     | 533                   | 400  | 320 | 267 | 229 | 200 | 508                   | 381  | 305 | 254 | 218 | 190 | 444                   | 333 | 267 | 222 | 190 | 167 |
| 12                       | 584                   | 438  | 351 | 292 | 250 | 219 | 557                   | 417  | 334 | 278 | 239 | 209 | 487                   | 365 | 292 | 244 | 209 | 183 |
| 12,5                     | 638                   | 478  | 383 | 319 | 273 | 239 | 607                   | 455  | 364 | 304 | 260 | 228 | 531                   | 399 | 319 | 266 | 228 | 199 |
| 13                       | 700                   | 525  | 420 | 350 | 300 | 263 | 667                   | 500  | 400 | 333 | 286 | 250 | 584                   | 438 | 350 | 292 | 250 | 219 |
| 13,5                     | 768                   | 576  | 461 | 384 | 329 | 288 | 731                   | 548  | 439 | 366 | 313 | 274 | 640                   | 480 | 384 | 320 | 274 | 240 |
| 14                       | 835                   | 627  | 501 | 418 | 358 | 313 | 796                   | 597  | 477 | 398 | 341 | 298 | 696                   | 522 | 418 | 348 | 298 | 261 |
| 14,5                     | 919                   | 689  | 551 | 459 | 394 | 345 | 875                   | 656  | 525 | 438 | 375 | 328 | 766                   | 574 | 459 | 383 | 328 | 287 |
| 15                       | 984                   | 738  | 590 | 492 | 422 | 369 | 937                   | 703  | 562 | 468 | 402 | 351 | 820                   | 615 | 492 | 410 | 351 | 307 |
| 15,5                     | 1063                  | 797  | 638 | 532 | 456 | 399 | 1012                  | 759  | 607 | 506 | 434 | 380 | 886                   | 664 | 532 | 443 | 380 | 332 |
| 16                       | 1146                  | 859  | 688 | 573 | 491 | 430 | 1091                  | 818  | 655 | 546 | 468 | 409 | 955                   | 716 | 573 | 477 | 409 | 358 |
| 16,5                     | 1263                  | 948  | 758 | 632 | 541 | 474 | 1203                  | 902  | 722 | 602 | 516 | 451 | 1053                  | 790 | 632 | 526 | 451 | 395 |
| 17                       | 1360                  | 1020 | 816 | 680 | 583 | 510 | 1295                  | 971  | 777 | 648 | 555 | 486 | 1133                  | 850 | 680 | 567 | 486 | 425 |
| 17,5                     | 1466                  | 1099 | 879 | 733 | 628 | 550 | 1396                  | 1047 | 837 | 698 | 598 | 523 | 1221                  | 916 | 733 | 611 | 523 | 458 |
| 18                       | 1541                  | 1156 | 925 | 771 | 661 | 578 | 1468                  | 1101 | 881 | 734 | 629 | 550 | 1284                  | 963 | 771 | 642 | 550 | 482 |
| 18,5                     | 1554                  | 1166 | 933 | 777 | 666 | 583 | 1480                  | 1110 | 888 | 740 | 634 | 555 | 1295                  | 971 | 777 | 648 | 555 | 486 |

ŁD I - Łopatkka I długa  
 ŁD II - Łopatkka II długa  
 ŁK I - Łopatkka I krótka  
 ŁK II - Łopatkka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**N 27 CAN Saletrzak 27 standard**

**Grupa Azoty Zakłady Azotowe Tarnów S.A.**

Formuła nawozu: N(CaO, MgO) 27(2,4)  
 Klasa ziarnowa: granule 2,0-6,0 mm, co najmniej 95%  
 Gęstość nasypowa: 1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |      |     |     |     | 20 m                  |      |     |     |     |     | 21 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1,3           |      |      |     |     |     | ŁD II - 2,2           |      |     |     |     |     | ŁD II - 2,3           |      |     |     |     |     |
|                          | ŁK II - 0             |      |      |     |     |     | ŁK II - 0,2           |      |     |     |     |     | ŁK II - 0,3           |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |     |     |     |                       |      |     |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 47                    | 35   | 28   | 23  | 20  | 18  | 42                    | 32   | 25  | 21  | 18  | 16  | 40                    | 30   | 24  | 20  | 17  | 15  |
| 4,5                      | 62                    | 47   | 37   | 31  | 27  | 23  | 56                    | 42   | 34  | 28  | 24  | 21  | 53                    | 40   | 32  | 27  | 23  | 20  |
| 5                        | 77                    | 58   | 46   | 39  | 33  | 29  | 69                    | 52   | 42  | 35  | 30  | 26  | 66                    | 50   | 40  | 33  | 28  | 25  |
| 5,5                      | 98                    | 74   | 59   | 49  | 42  | 37  | 89                    | 66   | 53  | 44  | 38  | 33  | 84                    | 63   | 51  | 42  | 36  | 32  |
| 6                        | 118                   | 88   | 71   | 59  | 50  | 44  | 106                   | 80   | 64  | 53  | 45  | 40  | 101                   | 76   | 61  | 50  | 43  | 38  |
| 6,5                      | 146                   | 109  | 88   | 73  | 63  | 55  | 131                   | 98   | 79  | 66  | 56  | 49  | 125                   | 94   | 75  | 63  | 54  | 47  |
| 7                        | 171                   | 128  | 102  | 85  | 73  | 64  | 154                   | 115  | 92  | 77  | 66  | 58  | 146                   | 110  | 88  | 73  | 63  | 55  |
| 7,5                      | 209                   | 157  | 126  | 105 | 90  | 79  | 188                   | 141  | 113 | 94  | 81  | 71  | 179                   | 135  | 108 | 90  | 77  | 67  |
| 8                        | 243                   | 182  | 146  | 121 | 104 | 91  | 218                   | 164  | 131 | 109 | 94  | 82  | 208                   | 156  | 125 | 104 | 89  | 78  |
| 8,5                      | 273                   | 205  | 164  | 137 | 117 | 102 | 246                   | 184  | 147 | 123 | 105 | 92  | 234                   | 176  | 140 | 117 | 100 | 88  |
| 9                        | 320                   | 240  | 192  | 160 | 137 | 120 | 288                   | 216  | 173 | 144 | 124 | 108 | 275                   | 206  | 165 | 137 | 118 | 103 |
| 9,5                      | 372                   | 279  | 223  | 186 | 159 | 139 | 334                   | 251  | 201 | 167 | 143 | 125 | 318                   | 239  | 191 | 159 | 136 | 119 |
| 10                       | 408                   | 306  | 245  | 204 | 175 | 153 | 367                   | 275  | 220 | 184 | 157 | 138 | 350                   | 262  | 210 | 175 | 150 | 131 |
| 10,5                     | 473                   | 354  | 284  | 236 | 203 | 177 | 425                   | 319  | 255 | 213 | 182 | 160 | 405                   | 304  | 243 | 203 | 174 | 152 |
| 11                       | 531                   | 398  | 318  | 265 | 227 | 199 | 478                   | 358  | 287 | 239 | 205 | 179 | 455                   | 341  | 273 | 227 | 195 | 171 |
| 11,5                     | 593                   | 444  | 356  | 296 | 254 | 222 | 533                   | 400  | 320 | 267 | 229 | 200 | 508                   | 381  | 305 | 254 | 218 | 190 |
| 12                       | 649                   | 487  | 390  | 325 | 278 | 244 | 584                   | 438  | 351 | 292 | 250 | 219 | 557                   | 417  | 334 | 278 | 239 | 209 |
| 12,5                     | 708                   | 531  | 425  | 354 | 304 | 266 | 638                   | 478  | 383 | 319 | 273 | 239 | 607                   | 455  | 364 | 304 | 260 | 228 |
| 13                       | 778                   | 584  | 467  | 389 | 333 | 292 | 700                   | 525  | 420 | 350 | 300 | 263 | 667                   | 500  | 400 | 333 | 286 | 250 |
| 13,5                     | 853                   | 640  | 512  | 426 | 366 | 320 | 768                   | 576  | 461 | 384 | 329 | 288 | 731                   | 548  | 439 | 366 | 313 | 274 |
| 14                       | 928                   | 696  | 557  | 464 | 398 | 348 | 835                   | 627  | 501 | 418 | 358 | 313 | 796                   | 597  | 477 | 398 | 341 | 298 |
| 14,5                     | 1021                  | 766  | 613  | 511 | 438 | 383 | 919                   | 689  | 551 | 459 | 394 | 345 | 875                   | 656  | 525 | 438 | 375 | 328 |
| 15                       | 1093                  | 820  | 656  | 547 | 468 | 410 | 984                   | 738  | 590 | 492 | 422 | 369 | 937                   | 703  | 562 | 468 | 402 | 351 |
| 15,5                     | 1181                  | 886  | 709  | 591 | 506 | 443 | 1063                  | 797  | 638 | 532 | 456 | 399 | 1012                  | 759  | 607 | 506 | 434 | 380 |
| 16                       | 1273                  | 955  | 764  | 637 | 546 | 477 | 1146                  | 859  | 688 | 573 | 491 | 430 | 1091                  | 818  | 655 | 546 | 468 | 409 |
| 16,5                     | 1404                  | 1053 | 842  | 702 | 602 | 526 | 1263                  | 948  | 758 | 632 | 541 | 474 | 1203                  | 902  | 722 | 602 | 516 | 451 |
| 17                       | 1511                  | 1133 | 907  | 756 | 648 | 567 | 1360                  | 1020 | 816 | 680 | 583 | 510 | 1295                  | 971  | 777 | 648 | 555 | 486 |
| 17,5                     | 1628                  | 1221 | 977  | 814 | 698 | 611 | 1466                  | 1099 | 879 | 733 | 628 | 550 | 1396                  | 1047 | 837 | 698 | 598 | 523 |
| 18                       | 1713                  | 1284 | 1028 | 856 | 734 | 642 | 1541                  | 1156 | 925 | 771 | 661 | 578 | 1468                  | 1101 | 881 | 734 | 629 | 550 |
| 18,5                     | 1727                  | 1295 | 1036 | 863 | 740 | 648 | 1554                  | 1166 | 933 | 777 | 666 | 583 | 1480                  | 1110 | 888 | 740 | 634 | 555 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka





# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**N 27 CAN Saletrzak 27 standard**

**Grupa Azoty Zakłady Azotowe Tarnów S.A.**

Formuła nawozu: N(CaO, MgO) 27(2,4)  
 Klasa ziarnowa: granule 2,0-6,0 mm, co najmniej 95%  
 Gęstość nasypowa: 1,0 kg/dm<sup>3</sup>

| Szerokość robocza        | 24 m                  |     |     |     |     |     | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 2,5           |     |     |     |     |     | ŁD II - 3             |     |     |     |     |     | ŁD II - 3,2           |     |     |     |     |     |
|                          | ŁK II - 1             |     |     |     |     |     | ŁK II - 1,1           |     |     |     |     |     | ŁK II - 1,1           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 35                    | 26  | 21  | 18  | 15  | 13  | 31                    | 23  | 19  | 16  | 13  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  |
| 4,5                      | 47                    | 35  | 28  | 23  | 20  | 17  | 41                    | 31  | 25  | 21  | 18  | 16  | 40                    | 30  | 24  | 20  | 17  | 15  |
| 5                        | 58                    | 43  | 35  | 29  | 25  | 22  | 51                    | 39  | 31  | 26  | 22  | 19  | 50                    | 37  | 30  | 25  | 21  | 19  |
| 5,5                      | 74                    | 55  | 44  | 37  | 32  | 28  | 66                    | 49  | 39  | 33  | 28  | 25  | 63                    | 47  | 38  | 32  | 27  | 24  |
| 6                        | 88                    | 66  | 53  | 44  | 38  | 33  | 79                    | 59  | 47  | 39  | 34  | 29  | 76                    | 57  | 45  | 38  | 32  | 28  |
| 6,5                      | 109                   | 82  | 66  | 55  | 47  | 41  | 97                    | 73  | 58  | 49  | 42  | 36  | 94                    | 70  | 56  | 47  | 40  | 35  |
| 7                        | 128                   | 96  | 77  | 64  | 55  | 48  | 114                   | 85  | 68  | 57  | 49  | 43  | 110                   | 82  | 66  | 55  | 47  | 41  |
| 7,5                      | 157                   | 118 | 94  | 79  | 67  | 59  | 140                   | 105 | 84  | 70  | 60  | 52  | 135                   | 101 | 81  | 67  | 58  | 50  |
| 8                        | 182                   | 137 | 109 | 91  | 78  | 68  | 162                   | 121 | 97  | 81  | 69  | 61  | 156                   | 117 | 94  | 78  | 67  | 59  |
| 8,5                      | 205                   | 154 | 123 | 102 | 88  | 77  | 182                   | 137 | 109 | 91  | 78  | 68  | 176                   | 132 | 105 | 88  | 75  | 66  |
| 9                        | 240                   | 180 | 144 | 120 | 103 | 90  | 214                   | 160 | 128 | 107 | 92  | 80  | 206                   | 155 | 124 | 103 | 88  | 77  |
| 9,5                      | 279                   | 209 | 167 | 139 | 119 | 105 | 248                   | 186 | 149 | 124 | 106 | 93  | 239                   | 179 | 143 | 119 | 102 | 90  |
| 10                       | 306                   | 229 | 184 | 153 | 131 | 115 | 272                   | 204 | 163 | 136 | 117 | 102 | 262                   | 197 | 157 | 131 | 112 | 98  |
| 10,5                     | 354                   | 266 | 213 | 177 | 152 | 133 | 315                   | 236 | 189 | 158 | 135 | 118 | 304                   | 228 | 182 | 152 | 130 | 114 |
| 11                       | 398                   | 298 | 239 | 199 | 171 | 149 | 354                   | 265 | 212 | 177 | 152 | 133 | 341                   | 256 | 205 | 171 | 146 | 128 |
| 11,5                     | 444                   | 333 | 267 | 222 | 190 | 167 | 395                   | 296 | 237 | 198 | 169 | 148 | 381                   | 286 | 229 | 190 | 163 | 143 |
| 12                       | 487                   | 365 | 292 | 244 | 209 | 183 | 433                   | 325 | 260 | 216 | 186 | 162 | 417                   | 313 | 250 | 209 | 179 | 157 |
| 12,5                     | 531                   | 399 | 319 | 266 | 228 | 199 | 472                   | 354 | 283 | 236 | 202 | 177 | 455                   | 342 | 273 | 228 | 195 | 171 |
| 13                       | 584                   | 438 | 350 | 292 | 250 | 219 | 519                   | 389 | 311 | 259 | 222 | 195 | 500                   | 375 | 300 | 250 | 214 | 188 |
| 13,5                     | 640                   | 480 | 384 | 320 | 274 | 240 | 569                   | 426 | 341 | 284 | 244 | 213 | 548                   | 411 | 329 | 274 | 235 | 206 |
| 14                       | 696                   | 522 | 418 | 348 | 298 | 261 | 619                   | 464 | 371 | 309 | 265 | 232 | 597                   | 448 | 358 | 298 | 256 | 224 |
| 14,5                     | 766                   | 574 | 459 | 383 | 328 | 287 | 681                   | 511 | 408 | 340 | 292 | 255 | 656                   | 492 | 394 | 328 | 281 | 246 |
| 15                       | 820                   | 615 | 492 | 410 | 351 | 307 | 729                   | 547 | 437 | 364 | 312 | 273 | 703                   | 527 | 422 | 351 | 301 | 264 |
| 15,5                     | 886                   | 664 | 532 | 443 | 380 | 332 | 787                   | 591 | 472 | 394 | 337 | 295 | 759                   | 569 | 456 | 380 | 325 | 285 |
| 16                       | 955                   | 716 | 573 | 477 | 409 | 358 | 849                   | 637 | 509 | 424 | 364 | 318 | 818                   | 614 | 491 | 409 | 351 | 307 |
| 16,5                     | 1053                  | 790 | 632 | 526 | 451 | 395 | 936                   | 702 | 561 | 468 | 401 | 351 | 902                   | 677 | 541 | 451 | 387 | 338 |
| 17                       | 1133                  | 850 | 680 | 567 | 486 | 425 | 1007                  | 756 | 604 | 504 | 432 | 378 | 971                   | 729 | 583 | 486 | 416 | 364 |
| 17,5                     | 1221                  | 916 | 733 | 611 | 523 | 458 | 1086                  | 814 | 651 | 543 | 465 | 407 | 1047                  | 785 | 628 | 523 | 449 | 393 |
| 18                       | 1284                  | 963 | 771 | 642 | 550 | 482 | 1142                  | 856 | 685 | 571 | 489 | 428 | 1101                  | 826 | 661 | 550 | 472 | 413 |
| 18,5                     | 1295                  | 971 | 777 | 648 | 555 | 486 | 1151                  | 863 | 691 | 576 | 493 | 432 | 1110                  | 833 | 666 | 555 | 476 | 416 |

ŁD I - Łopaska I długa  
 ŁD II - Łopaska II długa  
 ŁK I - Łopaska I krótka  
 ŁK II - Łopaska II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



### N 27 CAN Saletrzak 27 standard

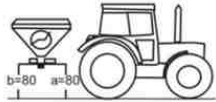
Grupa Azoty Zakłady Azotowe Tarnów S.A.

Formuła nawozu: N(CaO, MgO) 27(2,4)  
Klasa ziarnowa: granule 2,0-6,0 mm, co najmniej 95%  
Gęstość nasypowa: 1,0 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy | Wysiew graniczny |                        |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 2,4                  | ŁK I - 0,4  | 540 obr/min | 20             | 60                 | 80               | -2                     | -45%                     | 10                  | -3                     | -60%                     | 380 obr/min      |
| 15                | ŁD I - 3                    | ŁK I - 0,4  | 540 obr/min | 20             | 60                 | 80               | -2                     | -45%                     | 10                  | -3                     | -60%                     | 380 obr/min      |
| 16                | ŁD I - 3                    | ŁK I - 1,1  | 540 obr/min | 20             | 60                 | 70               | -2                     | -45%                     | 10                  | -3                     | -60%                     | -                |
| 18                | ŁD I - 3,3                  | ŁK I - 1,1  | 540 obr/min | 25             | 50                 | 70               | -1                     | -25%                     | 10                  | -2                     | -45%                     | -                |
|                   | ŁD II - 1,3                 | ŁK II - 0   | 540 obr/min | 25             | 60                 | 80               | -2                     | -45%                     | 10                  | -3                     | -60%                     | -                |
| 20                | ŁD I - 4                    | ŁK I - 1,3  | 540 obr/min | 30             | 50                 | 70               | -1                     | -25%                     | 9                   | -2                     | -45%                     | -                |
|                   | ŁD II - 2,2                 | ŁK II - 0,2 | 540 obr/min | 30             | 60                 | 80               | -1                     | -25%                     | 9                   | -2                     | -45%                     | -                |
| 21                | ŁD I - 4                    | ŁK I - 2    | 540 obr/min | 35             | 40                 | 70               | -1                     | -25%                     | 9                   | -2                     | -45%                     | -                |
|                   | ŁD II - 2,3                 | ŁK II - 0,3 | 540 obr/min | 30             | 50                 | 80               | -1                     | -25%                     | 9                   | -2                     | -45%                     | -                |
| 24                | ŁD I - 5                    | ŁK I - 2,2  | 540 obr/min | 40             | 30                 | 60               | 0                      | 0%                       | 8                   | -1                     | -25%                     | -                |
|                   | ŁD II - 2,5                 | ŁK II - 1   | 540 obr/min | 35             | 40                 | 60               | 0                      | 0%                       | 9                   | -1                     | -25%                     | -                |
| 27                | ŁD II - 3                   | ŁK II - 1,1 | 540 obr/min | 40             | 40                 | 60               | 0                      | 0%                       | 8                   | -1                     | -25%                     | -                |
| 28                | ŁD II - 3,2                 | ŁK II - 1,1 | 540 obr/min | 45             | 20                 | 60               | 0                      | 0%                       | 8                   | -1                     | -25%                     | -                |
| 30                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                   | -                      | -                        | -                |
| 32                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                   | -                      | -                        | -                |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka





# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**NS 26 - 13 Saletrosan 26**

**Grupa Azoty Zakłady Azotowe Tarnów S.A.**

Formuła nawozu: N(S) 26-(13)  
Klasa ziarnowa: granule 2-6 mm, nie mniej niż 95%  
Gęstość nasypowa: 0,98 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |     |     |     | 15 m                  |      |     |     |     |     | 16 m                  |     |     |     |     |     | 18 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 1,3            |      |      |     |     |     | ŁD I - 3,2            |      |     |     |     |     | ŁD I - 3,3            |     |     |     |     |     | ŁD I - 2,3            |     |     |     |     |     |
|                          | ŁK I - 3              |      |      |     |     |     | ŁK I - 2              |      |     |     |     |     | ŁK I - 2              |     |     |     |     |     | ŁK I - 3              |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |     |     |     |                       |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 61                    | 46   | 36   | 30  | 26  | 23  | 49                    | 36   | 29  | 24  | 21  | 18  | 46                    | 34  | 27  | 23  | 20  | 17  | 41                    | 30  | 24  | 20  | 17  | 15  |
| 4,5                      | 90                    | 68   | 54   | 45  | 39  | 34  | 72                    | 54   | 43  | 36  | 31  | 27  | 68                    | 51  | 41  | 34  | 29  | 25  | 60                    | 45  | 36  | 30  | 26  | 23  |
| 5                        | 105                   | 79   | 63   | 53  | 45  | 39  | 84                    | 63   | 50  | 42  | 36  | 32  | 79                    | 59  | 47  | 39  | 34  | 30  | 70                    | 53  | 42  | 35  | 30  | 26  |
| 5,5                      | 120                   | 90   | 72   | 60  | 52  | 45  | 96                    | 72   | 58  | 48  | 41  | 36  | 90                    | 68  | 54  | 45  | 39  | 34  | 80                    | 60  | 48  | 40  | 34  | 30  |
| 6                        | 141                   | 106  | 85   | 70  | 60  | 53  | 113                   | 85   | 68  | 56  | 48  | 42  | 106                   | 79  | 63  | 53  | 45  | 40  | 94                    | 70  | 56  | 47  | 40  | 35  |
| 6,5                      | 166                   | 124  | 99   | 83  | 71  | 62  | 133                   | 99   | 80  | 66  | 57  | 50  | 124                   | 93  | 75  | 62  | 53  | 47  | 111                   | 83  | 66  | 55  | 47  | 41  |
| 7                        | 187                   | 140  | 112  | 93  | 80  | 70  | 149                   | 112  | 90  | 75  | 64  | 56  | 140                   | 105 | 84  | 70  | 60  | 53  | 124                   | 93  | 75  | 62  | 53  | 47  |
| 7,5                      | 216                   | 162  | 130  | 108 | 93  | 81  | 173                   | 130  | 104 | 87  | 74  | 65  | 162                   | 122 | 97  | 81  | 70  | 61  | 144                   | 108 | 87  | 72  | 62  | 54  |
| 8                        | 252                   | 189  | 151  | 126 | 108 | 94  | 202                   | 151  | 121 | 101 | 86  | 76  | 189                   | 142 | 113 | 94  | 81  | 71  | 168                   | 126 | 101 | 84  | 72  | 63  |
| 8,5                      | 285                   | 214  | 171  | 143 | 122 | 107 | 228                   | 171  | 137 | 114 | 98  | 86  | 214                   | 161 | 128 | 107 | 92  | 80  | 190                   | 143 | 114 | 95  | 82  | 71  |
| 9                        | 322                   | 241  | 193  | 161 | 138 | 121 | 257                   | 193  | 154 | 129 | 110 | 96  | 241                   | 181 | 145 | 121 | 103 | 90  | 214                   | 161 | 129 | 107 | 92  | 80  |
| 9,5                      | 389                   | 291  | 233  | 194 | 167 | 146 | 311                   | 233  | 187 | 155 | 133 | 117 | 291                   | 219 | 175 | 146 | 125 | 109 | 259                   | 194 | 155 | 130 | 111 | 97  |
| 10                       | 429                   | 321  | 257  | 214 | 184 | 161 | 343                   | 257  | 206 | 171 | 147 | 129 | 321                   | 241 | 193 | 161 | 138 | 121 | 286                   | 214 | 171 | 143 | 122 | 107 |
| 10,5                     | 480                   | 360  | 288  | 240 | 206 | 180 | 384                   | 288  | 231 | 192 | 165 | 144 | 360                   | 270 | 216 | 180 | 154 | 135 | 320                   | 240 | 192 | 160 | 137 | 120 |
| 11                       | 551                   | 414  | 331  | 276 | 236 | 207 | 441                   | 331  | 265 | 221 | 189 | 165 | 414                   | 310 | 248 | 207 | 177 | 155 | 368                   | 276 | 221 | 184 | 158 | 138 |
| 11,5                     | 609                   | 457  | 366  | 305 | 261 | 228 | 487                   | 366  | 292 | 244 | 209 | 183 | 457                   | 343 | 274 | 228 | 196 | 171 | 406                   | 305 | 244 | 203 | 174 | 152 |
| 12                       | 668                   | 501  | 401  | 334 | 286 | 250 | 534                   | 401  | 321 | 267 | 229 | 200 | 501                   | 376 | 300 | 250 | 215 | 188 | 445                   | 334 | 267 | 223 | 191 | 167 |
| 12,5                     | 727                   | 545  | 436  | 364 | 312 | 273 | 582                   | 436  | 349 | 291 | 249 | 218 | 545                   | 409 | 327 | 273 | 234 | 205 | 485                   | 364 | 291 | 242 | 208 | 182 |
| 13                       | 806                   | 605  | 484  | 403 | 345 | 302 | 645                   | 484  | 387 | 322 | 276 | 242 | 605                   | 453 | 363 | 302 | 259 | 227 | 537                   | 403 | 322 | 269 | 230 | 202 |
| 13,5                     | 882                   | 661  | 529  | 441 | 378 | 331 | 705                   | 529  | 423 | 353 | 302 | 265 | 661                   | 496 | 397 | 331 | 283 | 248 | 588                   | 441 | 353 | 294 | 252 | 220 |
| 14                       | 961                   | 721  | 576  | 480 | 412 | 360 | 769                   | 576  | 461 | 384 | 329 | 288 | 721                   | 540 | 432 | 360 | 309 | 270 | 640                   | 480 | 384 | 320 | 274 | 240 |
| 14,5                     | 1108                  | 831  | 665  | 554 | 475 | 415 | 886                   | 665  | 532 | 443 | 380 | 332 | 831                   | 623 | 499 | 415 | 356 | 312 | 739                   | 554 | 443 | 369 | 317 | 277 |
| 15                       | 1207                  | 906  | 724  | 604 | 517 | 453 | 966                   | 724  | 580 | 483 | 414 | 362 | 906                   | 679 | 543 | 453 | 388 | 340 | 805                   | 604 | 483 | 402 | 345 | 302 |
| 15,5                     | 1316                  | 987  | 790  | 658 | 564 | 494 | 1053                  | 790  | 632 | 526 | 451 | 395 | 987                   | 740 | 592 | 494 | 423 | 370 | 877                   | 658 | 526 | 439 | 376 | 329 |
| 16                       | 1361                  | 1021 | 817  | 681 | 583 | 510 | 1089                  | 817  | 653 | 544 | 467 | 408 | 1021                  | 766 | 613 | 510 | 438 | 383 | 907                   | 681 | 544 | 454 | 389 | 340 |
| 16,5                     | 1469                  | 1101 | 881  | 734 | 629 | 551 | 1175                  | 881  | 705 | 587 | 504 | 441 | 1101                  | 826 | 661 | 551 | 472 | 413 | 979                   | 734 | 587 | 490 | 420 | 367 |
| 17                       | 1652                  | 1239 | 991  | 826 | 708 | 620 | 1322                  | 991  | 793 | 661 | 567 | 496 | 1239                  | 929 | 744 | 620 | 531 | 465 | 1102                  | 826 | 661 | 551 | 472 | 413 |
| 17,5                     | 1668                  | 1251 | 1001 | 834 | 715 | 625 | 1334                  | 1001 | 800 | 667 | 572 | 500 | 1251                  | 938 | 750 | 625 | 536 | 469 | 1112                  | 834 | 667 | 556 | 476 | 417 |
| 18                       | 1707                  | 1280 | 1024 | 853 | 732 | 640 | 1365                  | 1024 | 819 | 683 | 585 | 512 | 1280                  | 960 | 768 | 640 | 549 | 480 | 1138                  | 853 | 683 | 569 | 488 | 427 |
| 18,5                     | 1771                  | 1328 | 1063 | 886 | 759 | 664 | 1417                  | 1063 | 850 | 708 | 607 | 531 | 1328                  | 996 | 797 | 664 | 569 | 498 | 1181                  | 886 | 708 | 590 | 506 | 443 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**NS 26 - 13 Saletrosan 26**

**Grupa Azoty Zakłady Azotowe Tarnów S.A.**

Formuła nawozu: N(S) 26-(13)  
Klasa ziarnowa: granule 2-6 mm, nie mniej niż 95%  
Gęstość nasypowa: 0,98 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 2              |     |     |     |     |     | ŁD I - 2,3            |     |     |     |     |     | ŁD I - 4              |     |     |     |     |     |
|                          | ŁK I - 3,2            |     |     |     |     |     | ŁK I - 3,2            |     |     |     |     |     | ŁK I - 3,2            |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 36                    | 27  | 22  | 18  | 16  | 14  | 35                    | 26  | 21  | 17  | 15  | 13  | 30                    | 23  | 18  | 15  | 13  | 11  |
| 4,5                      | 54                    | 41  | 33  | 27  | 23  | 20  | 52                    | 39  | 31  | 26  | 22  | 19  | 45                    | 34  | 27  | 23  | 19  | 17  |
| 5                        | 63                    | 47  | 38  | 32  | 27  | 24  | 60                    | 45  | 36  | 30  | 26  | 23  | 53                    | 39  | 32  | 26  | 23  | 20  |
| 5,5                      | 72                    | 54  | 43  | 36  | 31  | 27  | 69                    | 52  | 41  | 34  | 29  | 26  | 60                    | 45  | 36  | 30  | 26  | 23  |
| 6                        | 85                    | 63  | 51  | 42  | 36  | 32  | 80                    | 60  | 48  | 40  | 34  | 30  | 70                    | 53  | 42  | 35  | 30  | 26  |
| 6,5                      | 99                    | 75  | 60  | 50  | 43  | 37  | 95                    | 71  | 57  | 47  | 41  | 36  | 83                    | 62  | 50  | 41  | 36  | 31  |
| 7                        | 112                   | 84  | 67  | 56  | 48  | 42  | 107                   | 80  | 64  | 53  | 46  | 40  | 93                    | 70  | 56  | 47  | 40  | 35  |
| 7,5                      | 130                   | 97  | 78  | 65  | 56  | 49  | 124                   | 93  | 74  | 62  | 53  | 46  | 108                   | 81  | 65  | 54  | 46  | 41  |
| 8                        | 151                   | 113 | 91  | 76  | 65  | 57  | 144                   | 108 | 86  | 72  | 62  | 54  | 126                   | 94  | 76  | 63  | 54  | 47  |
| 8,5                      | 171                   | 128 | 103 | 86  | 73  | 64  | 163                   | 122 | 98  | 82  | 70  | 61  | 143                   | 107 | 86  | 71  | 61  | 54  |
| 9                        | 193                   | 145 | 116 | 96  | 83  | 72  | 184                   | 138 | 110 | 92  | 79  | 69  | 161                   | 121 | 96  | 80  | 69  | 60  |
| 9,5                      | 233                   | 175 | 140 | 117 | 100 | 87  | 222                   | 167 | 133 | 111 | 95  | 83  | 194                   | 146 | 117 | 97  | 83  | 73  |
| 10                       | 257                   | 193 | 154 | 129 | 110 | 96  | 245                   | 184 | 147 | 122 | 105 | 92  | 214                   | 161 | 129 | 107 | 92  | 80  |
| 10,5                     | 288                   | 216 | 173 | 144 | 124 | 108 | 274                   | 206 | 165 | 137 | 118 | 103 | 240                   | 180 | 144 | 120 | 103 | 90  |
| 11                       | 331                   | 248 | 198 | 165 | 142 | 124 | 315                   | 236 | 189 | 158 | 135 | 118 | 276                   | 207 | 165 | 138 | 118 | 103 |
| 11,5                     | 366                   | 274 | 219 | 183 | 157 | 137 | 348                   | 261 | 209 | 174 | 149 | 131 | 305                   | 228 | 183 | 152 | 131 | 114 |
| 12                       | 401                   | 300 | 240 | 200 | 172 | 150 | 382                   | 286 | 229 | 191 | 164 | 143 | 334                   | 250 | 200 | 167 | 143 | 125 |
| 12,5                     | 436                   | 327 | 262 | 218 | 187 | 164 | 416                   | 312 | 249 | 208 | 178 | 156 | 364                   | 273 | 218 | 182 | 156 | 136 |
| 13                       | 484                   | 363 | 290 | 242 | 207 | 181 | 461                   | 345 | 276 | 230 | 197 | 173 | 403                   | 302 | 242 | 202 | 173 | 151 |
| 13,5                     | 529                   | 397 | 317 | 265 | 227 | 198 | 504                   | 378 | 302 | 252 | 216 | 189 | 441                   | 331 | 265 | 220 | 189 | 165 |
| 14                       | 576                   | 432 | 346 | 288 | 247 | 216 | 549                   | 412 | 329 | 274 | 235 | 206 | 480                   | 360 | 288 | 240 | 206 | 180 |
| 14,5                     | 665                   | 499 | 399 | 332 | 285 | 249 | 633                   | 475 | 380 | 317 | 271 | 237 | 554                   | 415 | 332 | 277 | 237 | 208 |
| 15                       | 724                   | 543 | 435 | 362 | 310 | 272 | 690                   | 517 | 414 | 345 | 296 | 259 | 604                   | 453 | 362 | 302 | 259 | 226 |
| 15,5                     | 790                   | 592 | 474 | 395 | 338 | 296 | 752                   | 564 | 451 | 376 | 322 | 282 | 658                   | 494 | 395 | 329 | 282 | 247 |
| 16                       | 817                   | 613 | 490 | 408 | 350 | 306 | 778                   | 583 | 467 | 389 | 333 | 292 | 681                   | 510 | 408 | 340 | 292 | 255 |
| 16,5                     | 881                   | 661 | 529 | 441 | 378 | 330 | 839                   | 629 | 504 | 420 | 360 | 315 | 734                   | 551 | 441 | 367 | 315 | 275 |
| 17                       | 991                   | 744 | 595 | 496 | 425 | 372 | 944                   | 708 | 567 | 472 | 405 | 354 | 826                   | 620 | 496 | 413 | 354 | 310 |
| 17,5                     | 1001                  | 750 | 600 | 500 | 429 | 375 | 953                   | 715 | 572 | 476 | 408 | 357 | 834                   | 625 | 500 | 417 | 357 | 313 |
| 18                       | 1024                  | 768 | 614 | 512 | 439 | 384 | 975                   | 732 | 585 | 488 | 418 | 366 | 853                   | 640 | 512 | 427 | 366 | 320 |
| 18,5                     | 1063                  | 797 | 638 | 531 | 455 | 399 | 1012                  | 759 | 607 | 506 | 434 | 380 | 886                   | 664 | 531 | 443 | 380 | 332 |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki II



**NS 26 - 13 Saletrosan 26**

**Grupa Azoty Zakłady Azotowe Tarnów S.A.**

Formuła nawozu: N(S) 26-(13)  
Klasa ziarnowa: granulę 2-6 mm, nie mniej niż 95%  
Gęstość nasypowa: 0,98 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |     |     |     |     |     | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | LD II - 1,3           |     |     |     |     |     | LD II - 2             |     |     |     |     |     | LD II - 2             |     |     |     |     |     | LD II - 2             |     |     |     |     |     |
|                          | ŁK II - 1             |     |     |     |     |     | ŁK II - 0,2           |     |     |     |     |     | ŁK II - 0,3           |     |     |     |     |     | ŁK II - 1             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 41                    | 30  | 24  | 20  | 17  | 15  | 36                    | 27  | 22  | 18  | 16  | 14  | 35                    | 26  | 21  | 17  | 15  | 13  | 30                    | 23  | 18  | 15  | 13  | 11  |
| 4,5                      | 60                    | 45  | 36  | 30  | 26  | 23  | 54                    | 41  | 33  | 27  | 23  | 20  | 52                    | 39  | 31  | 26  | 22  | 19  | 45                    | 34  | 27  | 23  | 19  | 17  |
| 5                        | 70                    | 53  | 42  | 35  | 30  | 26  | 63                    | 47  | 38  | 32  | 27  | 24  | 60                    | 45  | 36  | 30  | 26  | 23  | 53                    | 39  | 32  | 26  | 23  | 20  |
| 5,5                      | 80                    | 60  | 48  | 40  | 34  | 30  | 72                    | 54  | 43  | 36  | 31  | 27  | 69                    | 52  | 41  | 34  | 29  | 26  | 60                    | 45  | 36  | 30  | 26  | 23  |
| 6                        | 94                    | 70  | 56  | 47  | 40  | 35  | 85                    | 63  | 51  | 42  | 36  | 32  | 80                    | 60  | 48  | 40  | 34  | 30  | 70                    | 53  | 42  | 35  | 30  | 26  |
| 6,5                      | 111                   | 83  | 66  | 55  | 47  | 41  | 99                    | 75  | 60  | 50  | 43  | 37  | 95                    | 71  | 57  | 47  | 41  | 36  | 83                    | 62  | 50  | 41  | 36  | 31  |
| 7                        | 124                   | 93  | 75  | 62  | 53  | 47  | 112                   | 84  | 67  | 56  | 48  | 42  | 107                   | 80  | 64  | 53  | 46  | 40  | 93                    | 70  | 56  | 47  | 40  | 35  |
| 7,5                      | 144                   | 108 | 87  | 72  | 62  | 54  | 130                   | 97  | 78  | 65  | 56  | 49  | 124                   | 93  | 74  | 62  | 53  | 46  | 108                   | 81  | 65  | 54  | 46  | 41  |
| 8                        | 168                   | 126 | 101 | 84  | 72  | 63  | 151                   | 113 | 91  | 76  | 65  | 57  | 144                   | 108 | 86  | 72  | 62  | 54  | 126                   | 94  | 76  | 63  | 54  | 47  |
| 8,5                      | 190                   | 143 | 114 | 95  | 82  | 71  | 171                   | 128 | 103 | 86  | 73  | 64  | 163                   | 122 | 98  | 82  | 70  | 61  | 143                   | 107 | 86  | 71  | 61  | 54  |
| 9                        | 214                   | 161 | 129 | 107 | 92  | 80  | 193                   | 145 | 116 | 96  | 83  | 72  | 184                   | 138 | 110 | 92  | 79  | 69  | 161                   | 121 | 96  | 80  | 69  | 60  |
| 9,5                      | 259                   | 194 | 155 | 130 | 111 | 97  | 233                   | 175 | 140 | 117 | 100 | 87  | 222                   | 167 | 133 | 111 | 95  | 83  | 194                   | 146 | 117 | 97  | 83  | 73  |
| 10                       | 286                   | 214 | 171 | 143 | 122 | 107 | 257                   | 193 | 154 | 129 | 110 | 96  | 245                   | 184 | 147 | 122 | 105 | 92  | 214                   | 161 | 129 | 107 | 92  | 80  |
| 10,5                     | 320                   | 240 | 192 | 160 | 137 | 120 | 288                   | 216 | 173 | 144 | 124 | 108 | 274                   | 206 | 165 | 137 | 118 | 103 | 240                   | 180 | 144 | 120 | 103 | 90  |
| 11                       | 368                   | 276 | 221 | 184 | 158 | 138 | 331                   | 248 | 198 | 165 | 142 | 124 | 315                   | 236 | 189 | 158 | 135 | 118 | 276                   | 207 | 165 | 138 | 118 | 103 |
| 11,5                     | 406                   | 305 | 244 | 203 | 174 | 152 | 366                   | 274 | 219 | 183 | 157 | 137 | 348                   | 261 | 209 | 174 | 149 | 131 | 305                   | 228 | 183 | 152 | 131 | 114 |
| 12                       | 445                   | 334 | 267 | 223 | 191 | 167 | 401                   | 300 | 240 | 200 | 172 | 150 | 382                   | 286 | 229 | 191 | 164 | 143 | 334                   | 250 | 200 | 167 | 143 | 125 |
| 12,5                     | 485                   | 364 | 291 | 242 | 208 | 182 | 436                   | 327 | 262 | 218 | 187 | 164 | 416                   | 312 | 249 | 208 | 178 | 156 | 364                   | 273 | 218 | 182 | 156 | 136 |
| 13                       | 537                   | 403 | 322 | 269 | 230 | 202 | 484                   | 363 | 290 | 242 | 207 | 181 | 461                   | 345 | 276 | 230 | 197 | 173 | 403                   | 302 | 242 | 202 | 173 | 151 |
| 13,5                     | 588                   | 441 | 353 | 294 | 252 | 220 | 529                   | 397 | 317 | 265 | 227 | 198 | 504                   | 378 | 302 | 252 | 216 | 189 | 441                   | 331 | 265 | 220 | 189 | 165 |
| 14                       | 640                   | 480 | 384 | 320 | 274 | 240 | 576                   | 432 | 346 | 288 | 247 | 216 | 549                   | 412 | 329 | 274 | 235 | 206 | 480                   | 360 | 288 | 240 | 206 | 180 |
| 14,5                     | 739                   | 554 | 443 | 369 | 317 | 277 | 665                   | 499 | 399 | 332 | 285 | 249 | 633                   | 475 | 380 | 317 | 271 | 237 | 554                   | 415 | 332 | 277 | 237 | 208 |
| 15                       | 805                   | 604 | 483 | 402 | 345 | 302 | 724                   | 543 | 435 | 362 | 310 | 272 | 690                   | 517 | 414 | 345 | 296 | 259 | 604                   | 453 | 362 | 302 | 259 | 226 |
| 15,5                     | 877                   | 658 | 526 | 439 | 376 | 329 | 790                   | 592 | 474 | 395 | 338 | 296 | 752                   | 564 | 451 | 376 | 322 | 282 | 658                   | 494 | 395 | 329 | 282 | 247 |
| 16                       | 907                   | 681 | 544 | 454 | 389 | 340 | 817                   | 613 | 490 | 408 | 350 | 306 | 778                   | 583 | 467 | 389 | 333 | 292 | 681                   | 510 | 408 | 340 | 292 | 255 |
| 16,5                     | 979                   | 734 | 587 | 490 | 420 | 367 | 881                   | 661 | 529 | 441 | 378 | 330 | 839                   | 629 | 504 | 420 | 360 | 315 | 734                   | 551 | 441 | 367 | 315 | 275 |
| 17                       | 1102                  | 826 | 661 | 551 | 472 | 413 | 991                   | 744 | 595 | 496 | 425 | 372 | 944                   | 708 | 567 | 472 | 405 | 354 | 826                   | 620 | 496 | 413 | 354 | 310 |
| 17,5                     | 1112                  | 834 | 667 | 556 | 476 | 417 | 1001                  | 750 | 600 | 500 | 429 | 375 | 953                   | 715 | 572 | 476 | 408 | 357 | 834                   | 625 | 500 | 417 | 357 | 313 |
| 18                       | 1138                  | 853 | 683 | 569 | 488 | 427 | 1024                  | 768 | 614 | 512 | 439 | 384 | 975                   | 732 | 585 | 488 | 418 | 366 | 853                   | 640 | 512 | 427 | 366 | 320 |
| 18,5                     | 1181                  | 886 | 708 | 590 | 506 | 443 | 1063                  | 797 | 638 | 531 | 455 | 399 | 1012                  | 759 | 607 | 506 | 434 | 380 | 886                   | 664 | 531 | 443 | 380 | 332 |

LD I - Łopatka I długa  
LD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**NS 26 - 13 Saletrosan 26**

**Grupa Azoty Zakłady Azotowe Tarnów S.A.**

Formuła nawozu: N(S) 26-(13)  
Klasa ziarnowa: granule 2-6 mm, nie mniej niż 95%  
Gęstość nasypowa: 0,98 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     | 32 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 2             |     |     |     |     |     | ŁD II - 2,2           |     |     |     |     |     | ŁD II - 2,2           |     |     |     |     |     | ŁD II - 3             |     |     |     |     |     |
|                          | ŁK II - 1,3           |     |     |     |     |     | ŁK II - 1             |     |     |     |     |     | ŁK II - 1,3           |     |     |     |     |     | ŁK II - 2             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 27                    | 20  | 16  | 14  | 12  | 10  | 26                    | 20  | 16  | 13  | 11  | 10  | 24                    | 18  | 15  | 12  | 10  | 9   | 23                    | 17  | 14  | 11  | 10  | 9   |
| 4,5                      | 40                    | 30  | 24  | 20  | 17  | 15  | 39                    | 29  | 23  | 19  | 17  | 15  | 36                    | 27  | 22  | 18  | 16  | 14  | 34                    | 25  | 20  | 17  | 15  | 13  |
| 5                        | 47                    | 35  | 28  | 23  | 20  | 18  | 45                    | 34  | 27  | 23  | 19  | 17  | 42                    | 32  | 25  | 21  | 18  | 16  | 39                    | 30  | 24  | 20  | 17  | 15  |
| 5,5                      | 53                    | 40  | 32  | 27  | 23  | 20  | 52                    | 39  | 31  | 26  | 22  | 19  | 48                    | 36  | 29  | 24  | 21  | 18  | 45                    | 34  | 27  | 23  | 19  | 17  |
| 6                        | 63                    | 47  | 38  | 31  | 27  | 23  | 60                    | 45  | 36  | 30  | 26  | 23  | 56                    | 42  | 34  | 28  | 24  | 21  | 53                    | 40  | 32  | 26  | 23  | 20  |
| 6,5                      | 74                    | 55  | 44  | 37  | 32  | 28  | 71                    | 53  | 43  | 36  | 30  | 27  | 66                    | 50  | 40  | 33  | 28  | 25  | 62                    | 47  | 37  | 31  | 27  | 23  |
| 7                        | 83                    | 62  | 50  | 41  | 36  | 31  | 80                    | 60  | 48  | 40  | 34  | 30  | 75                    | 56  | 45  | 37  | 32  | 28  | 70                    | 53  | 42  | 35  | 30  | 26  |
| 7,5                      | 96                    | 72  | 58  | 48  | 41  | 36  | 93                    | 70  | 56  | 46  | 40  | 35  | 87                    | 65  | 52  | 43  | 37  | 32  | 81                    | 61  | 49  | 41  | 35  | 30  |
| 8                        | 112                   | 84  | 67  | 56  | 48  | 42  | 108                   | 81  | 65  | 54  | 46  | 40  | 101                   | 76  | 60  | 50  | 43  | 38  | 94                    | 71  | 57  | 47  | 40  | 35  |
| 8,5                      | 127                   | 95  | 76  | 63  | 54  | 48  | 122                   | 92  | 73  | 61  | 52  | 46  | 114                   | 86  | 68  | 57  | 49  | 43  | 107                   | 80  | 64  | 54  | 46  | 40  |
| 9                        | 143                   | 107 | 86  | 71  | 61  | 54  | 138                   | 103 | 83  | 69  | 59  | 52  | 129                   | 96  | 77  | 64  | 55  | 48  | 121                   | 90  | 72  | 60  | 52  | 45  |
| 9,5                      | 173                   | 130 | 104 | 86  | 74  | 65  | 167                   | 125 | 100 | 83  | 71  | 62  | 155                   | 117 | 93  | 78  | 67  | 58  | 146                   | 109 | 87  | 73  | 62  | 55  |
| 10                       | 190                   | 143 | 114 | 95  | 82  | 71  | 184                   | 138 | 110 | 92  | 79  | 69  | 171                   | 129 | 103 | 86  | 73  | 64  | 161                   | 121 | 96  | 80  | 69  | 60  |
| 10,5                     | 213                   | 160 | 128 | 107 | 91  | 80  | 206                   | 154 | 124 | 103 | 88  | 77  | 192                   | 144 | 115 | 96  | 82  | 72  | 180                   | 135 | 108 | 90  | 77  | 68  |
| 11                       | 245                   | 184 | 147 | 123 | 105 | 92  | 236                   | 177 | 142 | 118 | 101 | 89  | 221                   | 165 | 132 | 110 | 95  | 83  | 207                   | 155 | 124 | 103 | 89  | 78  |
| 11,5                     | 271                   | 203 | 162 | 135 | 116 | 102 | 261                   | 196 | 157 | 131 | 112 | 98  | 244                   | 183 | 146 | 122 | 104 | 91  | 228                   | 171 | 137 | 114 | 98  | 86  |
| 12                       | 297                   | 223 | 178 | 148 | 127 | 111 | 286                   | 215 | 172 | 143 | 123 | 107 | 267                   | 200 | 160 | 134 | 114 | 100 | 250                   | 188 | 150 | 125 | 107 | 94  |
| 12,5                     | 323                   | 242 | 194 | 162 | 139 | 121 | 312                   | 234 | 187 | 156 | 134 | 117 | 291                   | 218 | 175 | 145 | 125 | 109 | 273                   | 205 | 164 | 136 | 117 | 102 |
| 13                       | 358                   | 269 | 215 | 179 | 154 | 134 | 345                   | 259 | 207 | 173 | 148 | 130 | 322                   | 242 | 193 | 161 | 138 | 121 | 302                   | 227 | 181 | 151 | 130 | 113 |
| 13,5                     | 392                   | 294 | 235 | 196 | 168 | 147 | 378                   | 283 | 227 | 189 | 162 | 142 | 353                   | 265 | 212 | 176 | 151 | 132 | 331                   | 248 | 198 | 165 | 142 | 124 |
| 14                       | 427                   | 320 | 256 | 213 | 183 | 160 | 412                   | 309 | 247 | 206 | 176 | 154 | 384                   | 288 | 231 | 192 | 165 | 144 | 360                   | 270 | 216 | 180 | 154 | 135 |
| 14,5                     | 492                   | 369 | 295 | 246 | 211 | 185 | 475                   | 356 | 285 | 237 | 203 | 178 | 443                   | 332 | 266 | 222 | 190 | 166 | 415                   | 312 | 249 | 208 | 178 | 156 |
| 15                       | 537                   | 402 | 322 | 268 | 230 | 201 | 517                   | 388 | 310 | 259 | 222 | 194 | 483                   | 362 | 290 | 241 | 207 | 181 | 453                   | 340 | 272 | 226 | 194 | 170 |
| 15,5                     | 585                   | 439 | 351 | 292 | 251 | 219 | 564                   | 423 | 338 | 282 | 242 | 212 | 526                   | 395 | 316 | 263 | 226 | 197 | 494                   | 370 | 296 | 247 | 212 | 185 |
| 16                       | 605                   | 454 | 363 | 302 | 259 | 227 | 583                   | 438 | 350 | 292 | 250 | 219 | 544                   | 408 | 327 | 272 | 233 | 204 | 510                   | 383 | 306 | 255 | 219 | 191 |
| 16,5                     | 653                   | 490 | 392 | 326 | 280 | 245 | 629                   | 472 | 378 | 315 | 270 | 236 | 587                   | 441 | 352 | 294 | 252 | 220 | 551                   | 413 | 330 | 275 | 236 | 207 |
| 17                       | 734                   | 551 | 441 | 367 | 315 | 275 | 708                   | 531 | 425 | 354 | 303 | 266 | 661                   | 496 | 397 | 330 | 283 | 248 | 620                   | 465 | 372 | 310 | 266 | 232 |
| 17,5                     | 741                   | 556 | 445 | 371 | 318 | 278 | 715                   | 536 | 429 | 357 | 306 | 268 | 667                   | 500 | 400 | 334 | 286 | 250 | 625                   | 469 | 375 | 313 | 268 | 235 |
| 18                       | 759                   | 569 | 455 | 379 | 325 | 284 | 732                   | 549 | 439 | 366 | 314 | 274 | 683                   | 512 | 410 | 341 | 293 | 256 | 640                   | 480 | 384 | 320 | 274 | 240 |
| 18,5                     | 787                   | 590 | 472 | 394 | 337 | 295 | 759                   | 569 | 455 | 380 | 325 | 285 | 708                   | 531 | 425 | 354 | 304 | 266 | 664                   | 498 | 399 | 332 | 285 | 249 |

LD I - Łopatka I długa  
LD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**NS 26 - 13 Saletrosan 26**

**Grupa Azoty Zakłady Azotowe Tarnów S.A.**

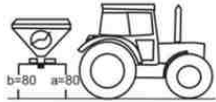
Formuła nawozu: N(S) 26-(13)  
Klasa ziarnowa: granule 2-6 mm, nie mniej niż 95%  
Gęstość nasypowa: 0,98 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy | Wysiew graniczny |                        |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 1,3                  | ŁK I - 3    | 540 obr/min | 20             | 70                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 15                | ŁD I - 3,2                  | ŁK I - 2    | 540 obr/min | 25             | 70                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 16                | ŁD I - 3,3                  | ŁK I - 2    | 540 obr/min | 25             | 60                 | 90               | -1                     | -25%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 18                | ŁD I - 2,3                  | ŁK I - 3    | 540 obr/min | 25             | 60                 | 80               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
|                   | ŁD II - 1,3                 | ŁK II - 1   | 540 obr/min | 25             | 60                 | 80               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
| 20                | ŁD I - 2                    | ŁK I - 3,2  | 540 obr/min | 30             | 50                 | 70               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 0,2 | 540 obr/min | 30             | 50                 | 70               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 21                | ŁD I - 2,3                  | ŁK I - 3,2  | 540 obr/min | 30             | 50                 | 70               | 0                      | 0%                       | 90                  | -2                     | -45%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 0,3 | 540 obr/min | 30             | 40                 | 70               | 0                      | 0%                       | 90                  | -2                     | -45%                     | -                |
| 24                | ŁD I - 4                    | ŁK I - 3,2  | 540 obr/min | 35             | 40                 | 70               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
|                   | ŁD II - 2                   | ŁK II - 1   | 540 obr/min | 35             | 50                 | 70               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
| 27                | ŁD II - 2                   | ŁK II - 1,3 | 540 obr/min | 35             | 40                 | 60               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
| 28                | ŁD II - 2,2                 | ŁK II - 1   | 540 obr/min | 40             | 40                 | 60               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
| 30                | ŁD II - 2,2                 | ŁK II - 1,3 | 540 obr/min | 40             | 30                 | 50               | 0                      | 0%                       | 70                  | -1                     | -25%                     | -                |
| 32                | ŁD II - 3                   | ŁK II - 2   | 540 obr/min | 45             | 30                 | 50               | 0                      | 0%                       | 70                  | -1                     | -25%                     | -                |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka







# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



### NS 21-24 Siarczan Amonu AS21 macro

Grupa Azoty Zakłady Azotowe Tarnów S.A.

Formuła nawozu: N(S) 21(24)  
Klasa ziarnowa: frakcja 1-4mm, nie mniej niż 90%  
Gęstość nasypowa: 1,025 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |     |     | 15 m                  |      |      |     |     |     | 16 m                  |      |      |     |     |     | 18 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|------|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 0,4            |      |      |      |     |     | ŁD I - 1              |      |      |     |     |     | ŁD I - 1              |      |      |     |     |     | ŁD I - 2,3            |      |     |     |     |     |
|                          | ŁK I - 0              |      |      |      |     |     | ŁK I - 0,3            |      |      |     |     |     | ŁK I - 0,4            |      |      |     |     |     | ŁK I - 1              |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |     |     |                       |      |      |     |     |     |                       |      |      |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 76                    | 57   | 46   | 38   | 33  | 28  | 61                    | 46   | 36   | 30  | 26  | 23  | 57                    | 43   | 34   | 28  | 24  | 21  | 51                    | 38   | 30  | 25  | 22  | 19  |
| 4,5                      | 94                    | 70   | 56   | 47   | 40  | 35  | 75                    | 56   | 45   | 37  | 32  | 28  | 70                    | 53   | 42   | 35  | 30  | 26  | 62                    | 47   | 37  | 31  | 27  | 23  |
| 5                        | 118                   | 88   | 71   | 59   | 50  | 44  | 94                    | 71   | 56   | 47  | 40  | 35  | 88                    | 66   | 53   | 44  | 38  | 33  | 78                    | 59   | 47  | 39  | 34  | 29  |
| 5,5                      | 142                   | 107  | 85   | 71   | 61  | 53  | 114                   | 85   | 68   | 57  | 49  | 43  | 107                   | 80   | 64   | 53  | 46  | 40  | 95                    | 71   | 57  | 47  | 41  | 36  |
| 6                        | 171                   | 128  | 102  | 85   | 73  | 64  | 136                   | 102  | 82   | 68  | 58  | 51  | 128                   | 96   | 77   | 64  | 55  | 48  | 114                   | 85   | 68  | 57  | 49  | 43  |
| 6,5                      | 206                   | 154  | 124  | 103  | 88  | 77  | 165                   | 124  | 99   | 82  | 71  | 62  | 154                   | 116  | 93   | 77  | 66  | 58  | 137                   | 103  | 82  | 69  | 59  | 51  |
| 7                        | 244                   | 183  | 146  | 122  | 104 | 91  | 195                   | 146  | 117  | 97  | 84  | 73  | 183                   | 137  | 110  | 91  | 78  | 69  | 162                   | 122  | 97  | 81  | 70  | 61  |
| 7,5                      | 289                   | 217  | 173  | 144  | 124 | 108 | 231                   | 173  | 139  | 115 | 99  | 87  | 217                   | 162  | 130  | 108 | 93  | 81  | 192                   | 144  | 115 | 96  | 82  | 72  |
| 8                        | 334                   | 250  | 200  | 167  | 143 | 125 | 267                   | 200  | 160  | 134 | 114 | 100 | 250                   | 188  | 150  | 125 | 107 | 94  | 223                   | 167  | 134 | 111 | 95  | 83  |
| 8,5                      | 383                   | 287  | 230  | 191  | 164 | 144 | 306                   | 230  | 184  | 153 | 131 | 115 | 287                   | 215  | 172  | 144 | 123 | 108 | 255                   | 191  | 153 | 128 | 109 | 96  |
| 9                        | 439                   | 329  | 263  | 219  | 188 | 165 | 351                   | 263  | 211  | 176 | 151 | 132 | 329                   | 247  | 198  | 165 | 141 | 123 | 293                   | 219  | 176 | 146 | 125 | 110 |
| 9,5                      | 506                   | 380  | 304  | 253  | 217 | 190 | 405                   | 304  | 243  | 202 | 174 | 152 | 380                   | 285  | 228  | 190 | 163 | 142 | 337                   | 253  | 202 | 169 | 145 | 127 |
| 10                       | 553                   | 415  | 332  | 277  | 237 | 208 | 443                   | 332  | 266  | 221 | 190 | 166 | 415                   | 311  | 249  | 208 | 178 | 156 | 369                   | 277  | 221 | 184 | 158 | 138 |
| 10,5                     | 627                   | 471  | 376  | 314  | 269 | 235 | 502                   | 376  | 301  | 251 | 215 | 188 | 471                   | 353  | 282  | 235 | 202 | 176 | 418                   | 314  | 251 | 209 | 179 | 157 |
| 11                       | 704                   | 528  | 422  | 352  | 302 | 264 | 563                   | 422  | 338  | 281 | 241 | 211 | 528                   | 396  | 317  | 264 | 226 | 198 | 469                   | 352  | 281 | 235 | 201 | 176 |
| 11,5                     | 779                   | 584  | 467  | 390  | 334 | 292 | 623                   | 467  | 374  | 312 | 267 | 234 | 584                   | 438  | 351  | 292 | 250 | 219 | 519                   | 390  | 312 | 260 | 223 | 195 |
| 12                       | 859                   | 644  | 516  | 430  | 368 | 322 | 687                   | 516  | 412  | 344 | 295 | 258 | 644                   | 483  | 387  | 322 | 276 | 242 | 573                   | 430  | 344 | 286 | 245 | 215 |
| 12,5                     | 958                   | 718  | 575  | 479  | 410 | 359 | 766                   | 575  | 460  | 383 | 328 | 287 | 718                   | 539  | 431  | 359 | 308 | 269 | 638                   | 479  | 383 | 319 | 274 | 239 |
| 13                       | 1041                  | 781  | 625  | 520  | 446 | 390 | 833                   | 625  | 500  | 416 | 357 | 312 | 781                   | 585  | 468  | 390 | 335 | 293 | 694                   | 520  | 416 | 347 | 297 | 260 |
| 13,5                     | 1144                  | 858  | 686  | 572  | 490 | 429 | 915                   | 686  | 549  | 458 | 392 | 343 | 858                   | 644  | 515  | 429 | 368 | 322 | 763                   | 572  | 458 | 381 | 327 | 286 |
| 14                       | 1276                  | 957  | 765  | 638  | 547 | 478 | 1020                  | 765  | 612  | 510 | 437 | 383 | 957                   | 717  | 574  | 478 | 410 | 359 | 850                   | 638  | 510 | 425 | 364 | 319 |
| 14,5                     | 1379                  | 1034 | 828  | 690  | 591 | 517 | 1103                  | 828  | 662  | 552 | 473 | 414 | 1034                  | 776  | 621  | 517 | 443 | 388 | 919                   | 690  | 552 | 460 | 394 | 345 |
| 15                       | 1516                  | 1137 | 910  | 758  | 650 | 569 | 1213                  | 910  | 728  | 606 | 520 | 455 | 1137                  | 853  | 682  | 569 | 487 | 426 | 1011                  | 758  | 606 | 505 | 433 | 379 |
| 15,5                     | 1660                  | 1245 | 996  | 830  | 711 | 622 | 1328                  | 996  | 797  | 664 | 569 | 498 | 1245                  | 933  | 747  | 622 | 533 | 467 | 1106                  | 830  | 664 | 553 | 474 | 415 |
| 16                       | 1796                  | 1347 | 1077 | 898  | 770 | 673 | 1437                  | 1077 | 862  | 718 | 616 | 539 | 1347                  | 1010 | 808  | 673 | 577 | 505 | 1197                  | 898  | 718 | 599 | 513 | 449 |
| 16,5                     | 1884                  | 1413 | 1130 | 942  | 807 | 707 | 1507                  | 1130 | 904  | 754 | 646 | 565 | 1413                  | 1060 | 848  | 707 | 606 | 530 | 1256                  | 942  | 754 | 628 | 538 | 471 |
| 17                       | 2087                  | 1566 | 1252 | 1044 | 895 | 783 | 1670                  | 1252 | 1002 | 835 | 716 | 626 | 1566                  | 1174 | 939  | 783 | 671 | 587 | 1392                  | 1044 | 835 | 696 | 596 | 522 |
| 17,5                     | 2240                  | 1680 | 1344 | 1120 | 960 | 840 | 1792                  | 1344 | 1075 | 896 | 768 | 672 | 1680                  | 1260 | 1008 | 840 | 720 | 630 | 1493                  | 1120 | 896 | 747 | 640 | 560 |
| 18                       | 2279                  | 1709 | 1367 | 1140 | 977 | 855 | 1823                  | 1367 | 1094 | 912 | 781 | 684 | 1709                  | 1282 | 1026 | 855 | 733 | 641 | 1519                  | 1140 | 912 | 760 | 651 | 570 |
| 18,5                     | 2330                  | 1748 | 1398 | 1165 | 999 | 874 | 1864                  | 1398 | 1119 | 932 | 799 | 699 | 1748                  | 1311 | 1049 | 874 | 749 | 655 | 1554                  | 1165 | 932 | 777 | 666 | 583 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



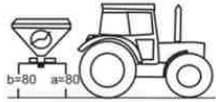
**NS 21-24 Siarczan Amonu AS21 macro**

**Grupa Azoty Zakłady Azotowe Tarnów S.A.**

Formuła nawozu: N(S) 21(24)  
Klasa ziarnowa: frakcja 1-4mm, nie mniej niż 90%  
Gęstość nasypowa: 1,025 kg/dm<sup>3</sup>

| Szerokość robocza        | 20 m                  |      |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 3              |      |     |     |     |     | ŁD I - 3,2            |     |     |     |     |     | ŁD I - 4              |     |     |     |     |     |
|                          | ŁK I - 1,1            |      |     |     |     |     | ŁK I - 1,2            |     |     |     |     |     | ŁK I - 1,3            |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 46                    | 34   | 27  | 23  | 20  | 17  | 43                    | 33  | 26  | 22  | 19  | 16  | 38                    | 28  | 23  | 19  | 16  | 14  |
| 4,5                      | 56                    | 42   | 34  | 28  | 24  | 21  | 53                    | 40  | 32  | 27  | 23  | 20  | 47                    | 35  | 28  | 23  | 20  | 18  |
| 5                        | 71                    | 53   | 42  | 35  | 30  | 26  | 67                    | 50  | 40  | 34  | 29  | 25  | 59                    | 44  | 35  | 29  | 25  | 22  |
| 5,5                      | 85                    | 64   | 51  | 43  | 37  | 32  | 81                    | 61  | 49  | 41  | 35  | 31  | 71                    | 53  | 43  | 36  | 31  | 27  |
| 6                        | 102                   | 77   | 61  | 51  | 44  | 38  | 97                    | 73  | 58  | 49  | 42  | 37  | 85                    | 64  | 51  | 43  | 37  | 32  |
| 6,5                      | 124                   | 93   | 74  | 62  | 53  | 46  | 118                   | 88  | 71  | 59  | 50  | 44  | 103                   | 77  | 62  | 51  | 44  | 39  |
| 7                        | 146                   | 110  | 88  | 73  | 63  | 55  | 139                   | 104 | 84  | 70  | 60  | 52  | 122                   | 91  | 73  | 61  | 52  | 46  |
| 7,5                      | 173                   | 130  | 104 | 87  | 74  | 65  | 165                   | 124 | 99  | 82  | 71  | 62  | 144                   | 108 | 87  | 72  | 62  | 54  |
| 8                        | 200                   | 150  | 120 | 100 | 86  | 75  | 191                   | 143 | 114 | 95  | 82  | 72  | 167                   | 125 | 100 | 83  | 72  | 63  |
| 8,5                      | 230                   | 172  | 138 | 115 | 98  | 86  | 219                   | 164 | 131 | 109 | 94  | 82  | 191                   | 144 | 115 | 96  | 82  | 72  |
| 9                        | 263                   | 198  | 158 | 132 | 113 | 99  | 251                   | 188 | 151 | 125 | 108 | 94  | 219                   | 165 | 132 | 110 | 94  | 82  |
| 9,5                      | 304                   | 228  | 182 | 152 | 130 | 114 | 289                   | 217 | 174 | 145 | 124 | 108 | 253                   | 190 | 152 | 127 | 108 | 95  |
| 10                       | 332                   | 249  | 199 | 166 | 142 | 125 | 316                   | 237 | 190 | 158 | 136 | 119 | 277                   | 208 | 166 | 138 | 119 | 104 |
| 10,5                     | 376                   | 282  | 226 | 188 | 161 | 141 | 359                   | 269 | 215 | 179 | 154 | 134 | 314                   | 235 | 188 | 157 | 134 | 118 |
| 11                       | 422                   | 317  | 253 | 211 | 181 | 158 | 402                   | 302 | 241 | 201 | 172 | 151 | 352                   | 264 | 211 | 176 | 151 | 132 |
| 11,5                     | 467                   | 351  | 280 | 234 | 200 | 175 | 445                   | 334 | 267 | 223 | 191 | 167 | 390                   | 292 | 234 | 195 | 167 | 146 |
| 12                       | 516                   | 387  | 309 | 258 | 221 | 193 | 491                   | 368 | 295 | 245 | 210 | 184 | 430                   | 322 | 258 | 215 | 184 | 161 |
| 12,5                     | 575                   | 431  | 345 | 287 | 246 | 215 | 547                   | 410 | 328 | 274 | 235 | 205 | 479                   | 359 | 287 | 239 | 205 | 180 |
| 13                       | 625                   | 468  | 375 | 312 | 268 | 234 | 595                   | 446 | 357 | 297 | 255 | 223 | 520                   | 390 | 312 | 260 | 223 | 195 |
| 13,5                     | 686                   | 515  | 412 | 343 | 294 | 257 | 654                   | 490 | 392 | 327 | 280 | 245 | 572                   | 429 | 343 | 286 | 245 | 215 |
| 14                       | 765                   | 574  | 459 | 383 | 328 | 287 | 729                   | 547 | 437 | 364 | 312 | 273 | 638                   | 478 | 383 | 319 | 273 | 239 |
| 14,5                     | 828                   | 621  | 497 | 414 | 355 | 310 | 788                   | 591 | 473 | 394 | 338 | 296 | 690                   | 517 | 414 | 345 | 296 | 259 |
| 15                       | 910                   | 682  | 546 | 455 | 390 | 341 | 866                   | 650 | 520 | 433 | 371 | 325 | 758                   | 569 | 455 | 379 | 325 | 284 |
| 15,5                     | 996                   | 747  | 597 | 498 | 427 | 373 | 948                   | 711 | 569 | 474 | 406 | 356 | 830                   | 622 | 498 | 415 | 356 | 311 |
| 16                       | 1077                  | 808  | 646 | 539 | 462 | 404 | 1026                  | 770 | 616 | 513 | 440 | 385 | 898                   | 673 | 539 | 449 | 385 | 337 |
| 16,5                     | 1130                  | 848  | 678 | 565 | 484 | 424 | 1077                  | 807 | 646 | 538 | 461 | 404 | 942                   | 707 | 565 | 471 | 404 | 353 |
| 17                       | 1252                  | 939  | 751 | 626 | 537 | 470 | 1193                  | 895 | 716 | 596 | 511 | 447 | 1044                  | 783 | 626 | 522 | 447 | 391 |
| 17,5                     | 1344                  | 1008 | 806 | 672 | 576 | 504 | 1280                  | 960 | 768 | 640 | 549 | 480 | 1120                  | 840 | 672 | 560 | 480 | 420 |
| 18                       | 1367                  | 1026 | 820 | 684 | 586 | 513 | 1302                  | 977 | 781 | 651 | 558 | 488 | 1140                  | 855 | 684 | 570 | 488 | 427 |
| 18,5                     | 1398                  | 1049 | 839 | 699 | 599 | 524 | 1332                  | 999 | 799 | 666 | 571 | 499 | 1165                  | 874 | 699 | 583 | 499 | 437 |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



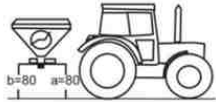
### NS 21-24 Siarczan Amonu AS 21 macro

Grupa Azoty Zakłady Azotowe Tarnów S.A.

Formuła nawozu: N(S) 21(24)  
Klasa ziarnowa: frakcja 1-4mm, nie mniej niż 90%  
Gęstość nasypowa: 1,025 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |     |     |     |     | 20 m                  |      |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1             |      |     |     |     |     | ŁD II - 1,1           |      |     |     |     |     | ŁD II - 1,1           |     |     |     |     |     | ŁD II - 2,1           |     |     |     |     |     |
|                          | ŁK II - 0,2           |      |     |     |     |     | ŁK II - 0,2           |      |     |     |     |     | ŁK II - 0,4           |     |     |     |     |     | ŁK II - 0,2           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 51                    | 38   | 30  | 25  | 22  | 19  | 46                    | 34   | 27  | 23  | 20  | 17  | 43                    | 33  | 26  | 22  | 19  | 16  | 38                    | 28  | 23  | 19  | 16  | 14  |
| 4,5                      | 62                    | 47   | 37  | 31  | 27  | 23  | 56                    | 42   | 34  | 28  | 24  | 21  | 53                    | 40  | 32  | 27  | 23  | 20  | 47                    | 35  | 28  | 23  | 20  | 18  |
| 5                        | 78                    | 59   | 47  | 39  | 34  | 29  | 71                    | 53   | 42  | 35  | 30  | 26  | 67                    | 50  | 40  | 34  | 29  | 25  | 59                    | 44  | 35  | 29  | 25  | 22  |
| 5,5                      | 95                    | 71   | 57  | 47  | 41  | 36  | 85                    | 64   | 51  | 43  | 37  | 32  | 81                    | 61  | 49  | 41  | 35  | 31  | 71                    | 53  | 43  | 36  | 31  | 27  |
| 6                        | 114                   | 85   | 68  | 57  | 49  | 43  | 102                   | 77   | 61  | 51  | 44  | 38  | 97                    | 73  | 58  | 49  | 42  | 37  | 85                    | 64  | 51  | 43  | 37  | 32  |
| 6,5                      | 137                   | 103  | 82  | 69  | 59  | 51  | 124                   | 93   | 74  | 62  | 53  | 46  | 118                   | 88  | 71  | 59  | 50  | 44  | 103                   | 77  | 62  | 51  | 44  | 39  |
| 7                        | 162                   | 122  | 97  | 81  | 70  | 61  | 146                   | 110  | 88  | 73  | 63  | 55  | 139                   | 104 | 84  | 70  | 60  | 52  | 122                   | 91  | 73  | 61  | 52  | 46  |
| 7,5                      | 192                   | 144  | 115 | 96  | 82  | 72  | 173                   | 130  | 104 | 87  | 74  | 65  | 165                   | 124 | 99  | 82  | 71  | 62  | 144                   | 108 | 87  | 72  | 62  | 54  |
| 8                        | 223                   | 167  | 134 | 111 | 95  | 83  | 200                   | 150  | 120 | 100 | 86  | 75  | 191                   | 143 | 114 | 95  | 82  | 72  | 167                   | 125 | 100 | 83  | 72  | 63  |
| 8,5                      | 255                   | 191  | 153 | 128 | 109 | 96  | 230                   | 172  | 138 | 115 | 98  | 86  | 219                   | 164 | 131 | 109 | 94  | 82  | 191                   | 144 | 115 | 96  | 82  | 72  |
| 9                        | 293                   | 219  | 176 | 146 | 125 | 110 | 263                   | 198  | 158 | 132 | 113 | 99  | 251                   | 188 | 151 | 125 | 108 | 94  | 219                   | 165 | 132 | 110 | 94  | 82  |
| 9,5                      | 337                   | 253  | 202 | 169 | 145 | 127 | 304                   | 228  | 182 | 152 | 130 | 114 | 289                   | 217 | 174 | 145 | 124 | 108 | 253                   | 190 | 152 | 127 | 108 | 95  |
| 10                       | 369                   | 277  | 221 | 184 | 158 | 138 | 332                   | 249  | 199 | 166 | 142 | 125 | 316                   | 237 | 190 | 158 | 136 | 119 | 277                   | 208 | 166 | 138 | 119 | 104 |
| 10,5                     | 418                   | 314  | 251 | 209 | 179 | 157 | 376                   | 282  | 226 | 188 | 161 | 141 | 359                   | 269 | 215 | 179 | 154 | 134 | 314                   | 235 | 188 | 157 | 134 | 118 |
| 11                       | 469                   | 352  | 281 | 235 | 201 | 176 | 422                   | 317  | 253 | 211 | 181 | 158 | 402                   | 302 | 241 | 201 | 172 | 151 | 352                   | 264 | 211 | 176 | 151 | 132 |
| 11,5                     | 519                   | 390  | 312 | 260 | 223 | 195 | 467                   | 351  | 280 | 234 | 200 | 175 | 445                   | 334 | 267 | 223 | 191 | 167 | 390                   | 292 | 234 | 195 | 167 | 146 |
| 12                       | 573                   | 430  | 344 | 286 | 245 | 215 | 516                   | 387  | 309 | 258 | 221 | 193 | 491                   | 368 | 295 | 245 | 210 | 184 | 430                   | 322 | 258 | 215 | 184 | 161 |
| 12,5                     | 638                   | 479  | 383 | 319 | 274 | 239 | 575                   | 431  | 345 | 287 | 246 | 215 | 547                   | 410 | 328 | 274 | 235 | 205 | 479                   | 359 | 287 | 239 | 205 | 180 |
| 13                       | 694                   | 520  | 416 | 347 | 297 | 260 | 625                   | 468  | 375 | 312 | 268 | 234 | 595                   | 446 | 357 | 297 | 255 | 223 | 520                   | 390 | 312 | 260 | 223 | 195 |
| 13,5                     | 763                   | 572  | 458 | 381 | 327 | 286 | 686                   | 515  | 412 | 343 | 294 | 257 | 654                   | 490 | 392 | 327 | 280 | 245 | 572                   | 429 | 343 | 286 | 245 | 215 |
| 14                       | 850                   | 638  | 510 | 425 | 364 | 319 | 765                   | 574  | 459 | 383 | 328 | 287 | 729                   | 547 | 437 | 364 | 312 | 273 | 638                   | 478 | 383 | 319 | 273 | 239 |
| 14,5                     | 919                   | 690  | 552 | 460 | 394 | 345 | 828                   | 621  | 497 | 414 | 355 | 310 | 788                   | 591 | 473 | 394 | 338 | 296 | 690                   | 517 | 414 | 345 | 296 | 259 |
| 15                       | 1011                  | 758  | 606 | 505 | 433 | 379 | 910                   | 682  | 546 | 455 | 390 | 341 | 866                   | 650 | 520 | 433 | 371 | 325 | 758                   | 569 | 455 | 379 | 325 | 284 |
| 15,5                     | 1106                  | 830  | 664 | 553 | 474 | 415 | 996                   | 747  | 597 | 498 | 427 | 373 | 948                   | 711 | 569 | 474 | 406 | 356 | 830                   | 622 | 498 | 415 | 356 | 311 |
| 16                       | 1197                  | 898  | 718 | 599 | 513 | 449 | 1077                  | 808  | 646 | 539 | 462 | 404 | 1026                  | 770 | 616 | 513 | 440 | 385 | 898                   | 673 | 539 | 449 | 385 | 337 |
| 16,5                     | 1256                  | 942  | 754 | 628 | 538 | 471 | 1130                  | 848  | 678 | 565 | 484 | 424 | 1077                  | 807 | 646 | 538 | 461 | 404 | 942                   | 707 | 565 | 471 | 404 | 353 |
| 17                       | 1392                  | 1044 | 835 | 696 | 596 | 522 | 1252                  | 939  | 751 | 626 | 537 | 470 | 1193                  | 895 | 716 | 596 | 511 | 447 | 1044                  | 783 | 626 | 522 | 447 | 391 |
| 17,5                     | 1493                  | 1120 | 896 | 747 | 640 | 560 | 1344                  | 1008 | 806 | 672 | 576 | 504 | 1280                  | 960 | 768 | 640 | 549 | 480 | 1120                  | 840 | 672 | 560 | 480 | 420 |
| 18                       | 1519                  | 1140 | 912 | 760 | 651 | 570 | 1367                  | 1026 | 820 | 684 | 586 | 513 | 1302                  | 977 | 781 | 651 | 558 | 488 | 1140                  | 855 | 684 | 570 | 488 | 427 |
| 18,5                     | 1554                  | 1165 | 932 | 777 | 666 | 583 | 1398                  | 1049 | 839 | 699 | 599 | 524 | 1332                  | 999 | 799 | 666 | 571 | 499 | 1165                  | 874 | 699 | 583 | 499 | 437 |

LD I - Łopatka I długa  
LD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



### NS 21-24 Siarczan Amonu AS 21 macro

Grupa Azoty Zakłady Azotowe Tarnów S.A.

Formuła nawozu: N(S) 21(24)  
 Klasa ziarnowa: frakcja 1-4mm, nie mniej niż 90%  
 Gęstość nasypowa: 1,025 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     | 32 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 3             |     |     |     |     |     | ŁD II - 3,3           |     |     |     |     |     | ŁD II - 4             |     |     |     |     |     | ŁD II - 4             |     |     |     |     |     |
|                          | ŁK II - 0,2           |     |     |     |     |     | ŁK II - 0,3           |     |     |     |     |     | ŁK II - 0             |     |     |     |     |     | ŁK II - 0,2           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 34                    | 25  | 20  | 17  | 14  | 13  | 33                    | 24  | 20  | 16  | 14  | 12  | 30                    | 23  | 18  | 15  | 13  | 11  | 28                    | 21  | 17  | 14  | 12  | 11  |
| 4,5                      | 42                    | 31  | 25  | 21  | 18  | 16  | 40                    | 30  | 24  | 20  | 17  | 15  | 37                    | 28  | 22  | 19  | 16  | 14  | 35                    | 26  | 21  | 18  | 15  | 13  |
| 5                        | 52                    | 39  | 31  | 26  | 22  | 20  | 50                    | 38  | 30  | 25  | 22  | 19  | 47                    | 35  | 28  | 24  | 20  | 18  | 44                    | 33  | 26  | 22  | 19  | 17  |
| 5,5                      | 63                    | 47  | 38  | 32  | 27  | 24  | 61                    | 46  | 37  | 31  | 26  | 23  | 57                    | 43  | 34  | 28  | 24  | 21  | 53                    | 40  | 32  | 27  | 23  | 20  |
| 6                        | 76                    | 57  | 45  | 38  | 32  | 28  | 73                    | 55  | 44  | 37  | 31  | 27  | 68                    | 51  | 41  | 34  | 29  | 26  | 64                    | 48  | 38  | 32  | 27  | 24  |
| 6,5                      | 92                    | 69  | 55  | 46  | 39  | 34  | 88                    | 66  | 53  | 44  | 38  | 33  | 82                    | 62  | 49  | 41  | 35  | 31  | 77                    | 58  | 46  | 39  | 33  | 29  |
| 7                        | 108                   | 81  | 65  | 54  | 46  | 41  | 104                   | 78  | 63  | 52  | 45  | 39  | 97                    | 73  | 58  | 49  | 42  | 37  | 91                    | 69  | 55  | 46  | 39  | 34  |
| 7,5                      | 128                   | 96  | 77  | 64  | 55  | 48  | 124                   | 93  | 74  | 62  | 53  | 46  | 115                   | 87  | 69  | 58  | 49  | 43  | 108                   | 81  | 65  | 54  | 46  | 41  |
| 8                        | 148                   | 111 | 89  | 74  | 64  | 56  | 143                   | 107 | 86  | 72  | 61  | 54  | 134                   | 100 | 80  | 67  | 57  | 50  | 125                   | 94  | 75  | 63  | 54  | 47  |
| 8,5                      | 170                   | 128 | 102 | 85  | 73  | 64  | 164                   | 123 | 98  | 82  | 70  | 62  | 153                   | 115 | 92  | 77  | 66  | 57  | 144                   | 108 | 86  | 72  | 62  | 54  |
| 9                        | 195                   | 146 | 117 | 98  | 84  | 73  | 188                   | 141 | 113 | 94  | 81  | 71  | 176                   | 132 | 105 | 88  | 75  | 66  | 165                   | 123 | 99  | 82  | 71  | 62  |
| 9,5                      | 225                   | 169 | 135 | 112 | 96  | 84  | 217                   | 163 | 130 | 108 | 93  | 81  | 202                   | 152 | 121 | 101 | 87  | 76  | 190                   | 142 | 114 | 95  | 81  | 71  |
| 10                       | 246                   | 184 | 148 | 123 | 105 | 92  | 237                   | 178 | 142 | 119 | 102 | 89  | 221                   | 166 | 133 | 111 | 95  | 83  | 208                   | 156 | 125 | 104 | 89  | 78  |
| 10,5                     | 279                   | 209 | 167 | 139 | 120 | 105 | 269                   | 202 | 161 | 134 | 115 | 101 | 251                   | 188 | 151 | 125 | 108 | 94  | 235                   | 176 | 141 | 118 | 101 | 88  |
| 11                       | 313                   | 235 | 188 | 156 | 134 | 117 | 302                   | 226 | 181 | 151 | 129 | 113 | 281                   | 211 | 169 | 141 | 121 | 106 | 264                   | 198 | 158 | 132 | 113 | 99  |
| 11,5                     | 346                   | 260 | 208 | 173 | 148 | 130 | 334                   | 250 | 200 | 167 | 143 | 125 | 312                   | 234 | 187 | 156 | 134 | 117 | 292                   | 219 | 175 | 146 | 125 | 110 |
| 12                       | 382                   | 286 | 229 | 191 | 164 | 143 | 368                   | 276 | 221 | 184 | 158 | 138 | 344                   | 258 | 206 | 172 | 147 | 129 | 322                   | 242 | 193 | 161 | 138 | 121 |
| 12,5                     | 426                   | 319 | 255 | 213 | 182 | 160 | 410                   | 308 | 246 | 205 | 176 | 154 | 383                   | 287 | 230 | 192 | 164 | 144 | 359                   | 269 | 215 | 180 | 154 | 135 |
| 13                       | 463                   | 347 | 278 | 231 | 198 | 173 | 446                   | 335 | 268 | 223 | 191 | 167 | 416                   | 312 | 250 | 208 | 178 | 156 | 390                   | 293 | 234 | 195 | 167 | 146 |
| 13,5                     | 508                   | 381 | 305 | 254 | 218 | 191 | 490                   | 368 | 294 | 245 | 210 | 184 | 458                   | 343 | 275 | 229 | 196 | 172 | 429                   | 322 | 257 | 215 | 184 | 161 |
| 14                       | 567                   | 425 | 340 | 283 | 243 | 213 | 547                   | 410 | 328 | 273 | 234 | 205 | 510                   | 383 | 306 | 255 | 219 | 191 | 478                   | 359 | 287 | 239 | 205 | 179 |
| 14,5                     | 613                   | 460 | 368 | 306 | 263 | 230 | 591                   | 443 | 355 | 296 | 253 | 222 | 552                   | 414 | 331 | 276 | 236 | 207 | 517                   | 388 | 310 | 259 | 222 | 194 |
| 15                       | 674                   | 505 | 404 | 337 | 289 | 253 | 650                   | 487 | 390 | 325 | 278 | 244 | 606                   | 455 | 364 | 303 | 260 | 227 | 569                   | 426 | 341 | 284 | 244 | 213 |
| 15,5                     | 738                   | 553 | 443 | 369 | 316 | 277 | 711                   | 533 | 427 | 356 | 305 | 267 | 664                   | 498 | 398 | 332 | 284 | 249 | 622                   | 467 | 373 | 311 | 267 | 233 |
| 16                       | 798                   | 599 | 479 | 399 | 342 | 299 | 770                   | 577 | 462 | 385 | 330 | 289 | 718                   | 539 | 431 | 359 | 308 | 269 | 673                   | 505 | 404 | 337 | 289 | 253 |
| 16,5                     | 837                   | 628 | 502 | 419 | 359 | 314 | 807                   | 606 | 484 | 404 | 346 | 303 | 754                   | 565 | 452 | 377 | 323 | 283 | 707                   | 530 | 424 | 353 | 303 | 265 |
| 17                       | 928                   | 696 | 557 | 464 | 398 | 348 | 895                   | 671 | 537 | 447 | 383 | 335 | 835                   | 626 | 501 | 417 | 358 | 313 | 783                   | 587 | 470 | 391 | 335 | 294 |
| 17,5                     | 996                   | 747 | 597 | 498 | 427 | 373 | 960                   | 720 | 576 | 480 | 411 | 360 | 896                   | 672 | 538 | 448 | 384 | 336 | 840                   | 630 | 504 | 420 | 360 | 315 |
| 18                       | 1013                  | 760 | 608 | 506 | 434 | 380 | 977                   | 733 | 586 | 488 | 419 | 366 | 912                   | 684 | 547 | 456 | 391 | 342 | 855                   | 641 | 513 | 427 | 366 | 321 |
| 18,5                     | 1036                  | 777 | 621 | 518 | 444 | 388 | 999                   | 749 | 599 | 499 | 428 | 375 | 932                   | 699 | 559 | 466 | 399 | 350 | 874                   | 655 | 524 | 437 | 375 | 328 |

LD I - Łopaska I długa  
 LD II - Łopaska II długa  
 ŁK I - Łopaska I krótka  
 ŁK II - Łopaska II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**S 21-24 Siarczan Amonu AS21 maci**

**Grupa Azoty Zakłady Azotowe Tarnów S.A.**

Formuła nawozu: N(S) 21(24)  
Klasa ziarnowa: frakcja 1-4mm, nie mniej niż 90%  
Gęstość nasypowa: 1,025 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy | Wysiew graniczny |                        |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 0,4                  | ŁK I - 0    | 540 obr/min | 15             | 70                 | 90               | -2                     | -45%                     | 100                 | -3,5                   | -65%                     | 380 obr/min      |
| 15                | ŁD I - 1                    | ŁK I - 0,3  | 540 obr/min | 20             | 70                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 16                | ŁD I - 1                    | ŁK I - 0,4  | 540 obr/min | 20             | 70                 | 90               | -1                     | -25%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 18                | ŁD I - 2,3                  | ŁK I - 1    | 540 obr/min | 25             | 50                 | 70               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
|                   | ŁD II - 1                   | ŁK II - 0,2 | 540 obr/min | 25             | 60                 | 80               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
| 20                | ŁD I - 3                    | ŁK I - 1,1  | 540 obr/min | 30             | 50                 | 70               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
|                   | ŁD II - 1,1                 | ŁK II - 0,2 | 540 obr/min | 30             | 50                 | 70               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 21                | ŁD I - 3,2                  | ŁK I - 1,2  | 540 obr/min | 30             | 50                 | 70               | 0                      | 0%                       | 90                  | -2                     | -45%                     | -                |
|                   | ŁD II - 1,1                 | ŁK II - 0,4 | 540 obr/min | 30             | 50                 | 70               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 24                | ŁD I - 4                    | ŁK I - 1,3  | 540 obr/min | 35             | 40                 | 60               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
|                   | ŁD II - 2,1                 | ŁK II - 0,2 | 540 obr/min | 35             | 50                 | 70               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
| 27                | ŁD II - 3                   | ŁK II - 0,2 | 540 obr/min | 35             | 40                 | 60               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
| 28                | ŁD II - 3,3                 | ŁK II - 0,3 | 540 obr/min | 40             | 40                 | 60               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
| 30                | ŁD II - 4                   | ŁK II - 0   | 540 obr/min | 40             | 30                 | 50               | 0                      | 0%                       | 70                  | -1                     | -25%                     | -                |
| 32                | ŁD II - 4                   | ŁK II - 0,2 | 540 obr/min | 45             | 30                 | 50               | 0                      | 0%                       | 70                  | -1                     | -25%                     | -                |

ŁD I - Łopátka I długa  
ŁD II - Łopátka II długa  
ŁK I - Łopátka I krótka  
ŁK II - Łopátka II krótka





# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



### NS 21-24 Siarczan Amonu AS21 select

Grupa Azoty Zakłady Azotowe Tarnów S.A.

Formuła nawozu: N(S) 21-(24)  
Klasa ziarnowa: granule 3,55 mm, nie mniej niż 70%  
Gęstość nasypowa: 1,035 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |      |     |     | 15 m                  |      |     |     |     |     | 16 m                  |      |     |     |     |     | 18 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|------|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 1              |      |      |      |     |     | ŁD I - 1,3            |      |     |     |     |     | ŁD I - 1,3            |      |     |     |     |     | ŁD I - 1,5            |      |     |     |     |     |
|                          | ŁK I - 2,3            |      |      |      |     |     | ŁK I - 2,2            |      |     |     |     |     | ŁK I - 2,3            |      |     |     |     |     | ŁK I - 3              |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |     |     |                       |      |     |     |     |     |                       |      |     |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 56                    | 42   | 34   | 28   | 24  | 21  | 45                    | 34   | 27  | 22  | 19  | 17  | 42                    | 32   | 25  | 21  | 18  | 16  | 37                    | 28   | 22  | 19  | 16  | 14  |
| 4,5                      | 72                    | 54   | 43   | 36   | 31  | 27  | 57                    | 43   | 34  | 29  | 25  | 22  | 54                    | 40   | 32  | 27  | 23  | 20  | 48                    | 36   | 29  | 24  | 21  | 18  |
| 5                        | 87                    | 66   | 52   | 44   | 37  | 33  | 70                    | 52   | 42  | 35  | 30  | 26  | 66                    | 49   | 39  | 33  | 28  | 25  | 58                    | 44   | 35  | 29  | 25  | 22  |
| 5,5                      | 108                   | 81   | 65   | 54   | 46  | 41  | 87                    | 65   | 52  | 43  | 37  | 32  | 81                    | 61   | 49  | 41  | 35  | 30  | 72                    | 54   | 43  | 36  | 31  | 27  |
| 6                        | 131                   | 98   | 79   | 66   | 56  | 49  | 105                   | 79   | 63  | 53  | 45  | 39  | 98                    | 74   | 59  | 49  | 42  | 37  | 88                    | 66   | 53  | 44  | 38  | 33  |
| 6,5                      | 157                   | 118  | 94   | 79   | 67  | 59  | 126                   | 94   | 75  | 63  | 54  | 47  | 118                   | 88   | 71  | 59  | 51  | 44  | 105                   | 79   | 63  | 52  | 45  | 39  |
| 7                        | 193                   | 145  | 116  | 96   | 83  | 72  | 154                   | 116  | 93  | 77  | 66  | 58  | 145                   | 108  | 87  | 72  | 62  | 54  | 129                   | 96   | 77  | 64  | 55  | 48  |
| 7,5                      | 245                   | 183  | 147  | 122  | 105 | 92  | 196                   | 147  | 117 | 98  | 84  | 73  | 183                   | 138  | 110 | 92  | 79  | 69  | 163                   | 122  | 98  | 82  | 70  | 61  |
| 8                        | 279                   | 209  | 167  | 139  | 120 | 105 | 223                   | 167  | 134 | 112 | 96  | 84  | 209                   | 157  | 126 | 105 | 90  | 78  | 186                   | 139  | 112 | 93  | 80  | 70  |
| 8,5                      | 309                   | 232  | 185  | 155  | 132 | 116 | 247                   | 185  | 148 | 124 | 106 | 93  | 232                   | 174  | 139 | 116 | 99  | 87  | 206                   | 155  | 124 | 103 | 88  | 77  |
| 9                        | 358                   | 269  | 215  | 179  | 154 | 134 | 287                   | 215  | 172 | 143 | 123 | 107 | 269                   | 202  | 161 | 134 | 115 | 101 | 239                   | 179  | 143 | 119 | 102 | 90  |
| 9,5                      | 411                   | 308  | 247  | 205  | 176 | 154 | 329                   | 247  | 197 | 164 | 141 | 123 | 308                   | 231  | 185 | 154 | 132 | 116 | 274                   | 205  | 164 | 137 | 117 | 103 |
| 10                       | 463                   | 347  | 278  | 232  | 199 | 174 | 371                   | 278  | 222 | 185 | 159 | 139 | 347                   | 261  | 208 | 174 | 149 | 130 | 309                   | 232  | 185 | 154 | 132 | 116 |
| 10,5                     | 522                   | 392  | 313  | 261  | 224 | 196 | 418                   | 313  | 251 | 209 | 179 | 157 | 392                   | 294  | 235 | 196 | 168 | 147 | 348                   | 261  | 209 | 174 | 149 | 131 |
| 11                       | 597                   | 447  | 358  | 298  | 256 | 224 | 477                   | 358  | 286 | 239 | 205 | 179 | 447                   | 336  | 268 | 224 | 192 | 168 | 398                   | 298  | 239 | 199 | 170 | 149 |
| 11,5                     | 675                   | 506  | 405  | 337  | 289 | 253 | 540                   | 405  | 324 | 270 | 231 | 202 | 506                   | 379  | 304 | 253 | 217 | 190 | 450                   | 337  | 270 | 225 | 193 | 169 |
| 12                       | 751                   | 564  | 451  | 376  | 322 | 282 | 601                   | 451  | 361 | 301 | 258 | 225 | 564                   | 423  | 338 | 282 | 242 | 211 | 501                   | 376  | 301 | 250 | 215 | 188 |
| 12,5                     | 817                   | 613  | 490  | 409  | 350 | 307 | 654                   | 490  | 392 | 327 | 280 | 245 | 613                   | 460  | 368 | 307 | 263 | 230 | 545                   | 409  | 327 | 272 | 234 | 204 |
| 13                       | 898                   | 674  | 539  | 449  | 385 | 337 | 719                   | 539  | 431 | 359 | 308 | 270 | 674                   | 505  | 404 | 337 | 289 | 253 | 599                   | 449  | 359 | 299 | 257 | 225 |
| 13,5                     | 1010                  | 757  | 606  | 505  | 433 | 379 | 808                   | 606  | 485 | 404 | 346 | 303 | 757                   | 568  | 454 | 379 | 325 | 284 | 673                   | 505  | 404 | 337 | 289 | 252 |
| 14                       | 1099                  | 824  | 659  | 550  | 471 | 412 | 879                   | 659  | 528 | 440 | 377 | 330 | 824                   | 618  | 495 | 412 | 353 | 309 | 733                   | 550  | 440 | 366 | 314 | 275 |
| 14,5                     | 1209                  | 907  | 726  | 605  | 518 | 454 | 968                   | 726  | 581 | 484 | 415 | 363 | 907                   | 680  | 544 | 454 | 389 | 340 | 806                   | 605  | 484 | 403 | 346 | 302 |
| 15                       | 1305                  | 979  | 783  | 652  | 559 | 489 | 1044                  | 783  | 626 | 522 | 447 | 391 | 979                   | 734  | 587 | 489 | 419 | 367 | 870                   | 652  | 522 | 435 | 373 | 326 |
| 15,5                     | 1429                  | 1072 | 857  | 714  | 612 | 536 | 1143                  | 857  | 686 | 572 | 490 | 429 | 1072                  | 804  | 643 | 536 | 459 | 402 | 953                   | 714  | 572 | 476 | 408 | 357 |
| 16                       | 1573                  | 1180 | 944  | 786  | 674 | 590 | 1258                  | 944  | 755 | 629 | 539 | 472 | 1180                  | 885  | 708 | 590 | 506 | 442 | 1049                  | 786  | 629 | 524 | 449 | 393 |
| 16,5                     | 1682                  | 1261 | 1009 | 841  | 721 | 631 | 1346                  | 1009 | 807 | 673 | 577 | 505 | 1261                  | 946  | 757 | 631 | 541 | 473 | 1121                  | 841  | 673 | 561 | 481 | 420 |
| 17                       | 1839                  | 1379 | 1103 | 919  | 788 | 689 | 1471                  | 1103 | 883 | 735 | 630 | 552 | 1379                  | 1034 | 827 | 689 | 591 | 517 | 1226                  | 919  | 735 | 613 | 525 | 460 |
| 17,5                     | 1998                  | 1499 | 1199 | 999  | 856 | 749 | 1599                  | 1199 | 959 | 799 | 685 | 599 | 1499                  | 1124 | 899 | 749 | 642 | 562 | 1332                  | 999  | 799 | 666 | 571 | 500 |
| 18                       | 2052                  | 1539 | 1231 | 1026 | 879 | 769 | 1641                  | 1231 | 985 | 821 | 703 | 615 | 1539                  | 1154 | 923 | 769 | 659 | 577 | 1368                  | 1026 | 821 | 684 | 586 | 513 |
| 18,5                     | 2079                  | 1559 | 1247 | 1040 | 891 | 780 | 1663                  | 1247 | 998 | 832 | 713 | 624 | 1559                  | 1170 | 936 | 780 | 668 | 585 | 1386                  | 1040 | 832 | 693 | 594 | 520 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka





# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

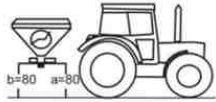
Łopatkii I



|                                            |                                                |                                                                                                                                  |
|--------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>NS 21-24 Siarczan Amonu AS21 select</b> | <b>Grupa Azoty Zakłady Azotowe Tarnów S.A.</b> | Formuła nawozu: N(S) 21-(24)<br>Klasa ziarnowa: granule 3,55 mm, nie mniej niż 70%<br>Gęstość nasypowa: 1,035 kg/dm <sup>3</sup> |
|--------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|

| Szerokość robocza        | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 2,4            |     |     |     |     |     | ŁD I - 2,4            |     |     |     |     |     | ŁD I - 3,2            |     |     |     |     |     |
|                          | ŁK I - 2              |     |     |     |     |     | ŁK I - 2,2            |     |     |     |     |     | ŁK I - 2,3            |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 34                    | 25  | 20  | 17  | 14  | 13  | 32                    | 24  | 19  | 16  | 14  | 12  | 28                    | 21  | 17  | 14  | 12  | 11  |
| 4,5                      | 43                    | 32  | 26  | 22  | 18  | 16  | 41                    | 31  | 25  | 21  | 18  | 15  | 36                    | 27  | 22  | 18  | 15  | 13  |
| 5                        | 52                    | 39  | 31  | 26  | 22  | 20  | 50                    | 37  | 30  | 25  | 21  | 19  | 44                    | 33  | 26  | 22  | 19  | 16  |
| 5,5                      | 65                    | 49  | 39  | 32  | 28  | 24  | 62                    | 46  | 37  | 31  | 26  | 23  | 54                    | 41  | 32  | 27  | 23  | 20  |
| 6                        | 79                    | 59  | 47  | 39  | 34  | 30  | 75                    | 56  | 45  | 38  | 32  | 28  | 66                    | 49  | 39  | 33  | 28  | 25  |
| 6,5                      | 94                    | 71  | 57  | 47  | 40  | 35  | 90                    | 67  | 54  | 45  | 39  | 34  | 79                    | 59  | 47  | 39  | 34  | 29  |
| 7                        | 116                   | 87  | 69  | 58  | 50  | 43  | 110                   | 83  | 66  | 55  | 47  | 41  | 96                    | 72  | 58  | 48  | 41  | 36  |
| 7,5                      | 147                   | 110 | 88  | 73  | 63  | 55  | 140                   | 105 | 84  | 70  | 60  | 52  | 122                   | 92  | 73  | 61  | 52  | 46  |
| 8                        | 167                   | 126 | 100 | 84  | 72  | 63  | 159                   | 120 | 96  | 80  | 68  | 60  | 139                   | 105 | 84  | 70  | 60  | 52  |
| 8,5                      | 185                   | 139 | 111 | 93  | 79  | 70  | 177                   | 132 | 106 | 88  | 76  | 66  | 155                   | 116 | 93  | 77  | 66  | 58  |
| 9                        | 215                   | 161 | 129 | 107 | 92  | 81  | 205                   | 154 | 123 | 102 | 88  | 77  | 179                   | 134 | 107 | 90  | 77  | 67  |
| 9,5                      | 247                   | 185 | 148 | 123 | 106 | 92  | 235                   | 176 | 141 | 117 | 101 | 88  | 205                   | 154 | 123 | 103 | 88  | 77  |
| 10                       | 278                   | 208 | 167 | 139 | 119 | 104 | 265                   | 199 | 159 | 132 | 113 | 99  | 232                   | 174 | 139 | 116 | 99  | 87  |
| 10,5                     | 313                   | 235 | 188 | 157 | 134 | 117 | 298                   | 224 | 179 | 149 | 128 | 112 | 261                   | 196 | 157 | 131 | 112 | 98  |
| 11                       | 358                   | 268 | 215 | 179 | 153 | 134 | 341                   | 256 | 205 | 170 | 146 | 128 | 298                   | 224 | 179 | 149 | 128 | 112 |
| 11,5                     | 405                   | 304 | 243 | 202 | 173 | 152 | 385                   | 289 | 231 | 193 | 165 | 145 | 337                   | 253 | 202 | 169 | 145 | 126 |
| 12                       | 451                   | 338 | 271 | 225 | 193 | 169 | 429                   | 322 | 258 | 215 | 184 | 161 | 376                   | 282 | 225 | 188 | 161 | 141 |
| 12,5                     | 490                   | 368 | 294 | 245 | 210 | 184 | 467                   | 350 | 280 | 234 | 200 | 175 | 409                   | 307 | 245 | 204 | 175 | 153 |
| 13                       | 539                   | 404 | 323 | 270 | 231 | 202 | 513                   | 385 | 308 | 257 | 220 | 193 | 449                   | 337 | 270 | 225 | 193 | 168 |
| 13,5                     | 606                   | 454 | 364 | 303 | 260 | 227 | 577                   | 433 | 346 | 289 | 247 | 216 | 505                   | 379 | 303 | 252 | 216 | 189 |
| 14                       | 659                   | 495 | 396 | 330 | 283 | 247 | 628                   | 471 | 377 | 314 | 269 | 236 | 550                   | 412 | 330 | 275 | 236 | 206 |
| 14,5                     | 726                   | 544 | 435 | 363 | 311 | 272 | 691                   | 518 | 415 | 346 | 296 | 259 | 605                   | 454 | 363 | 302 | 259 | 227 |
| 15                       | 783                   | 587 | 470 | 391 | 335 | 294 | 746                   | 559 | 447 | 373 | 320 | 280 | 652                   | 489 | 391 | 326 | 280 | 245 |
| 15,5                     | 857                   | 643 | 514 | 429 | 367 | 321 | 816                   | 612 | 490 | 408 | 350 | 306 | 714                   | 536 | 429 | 357 | 306 | 268 |
| 16                       | 944                   | 708 | 566 | 472 | 404 | 354 | 899                   | 674 | 539 | 449 | 385 | 337 | 786                   | 590 | 472 | 393 | 337 | 295 |
| 16,5                     | 1009                  | 757 | 605 | 505 | 432 | 378 | 961                   | 721 | 577 | 481 | 412 | 360 | 841                   | 631 | 505 | 420 | 360 | 315 |
| 17                       | 1103                  | 827 | 662 | 552 | 473 | 414 | 1051                  | 788 | 630 | 525 | 450 | 394 | 919                   | 689 | 552 | 460 | 394 | 345 |
| 17,5                     | 1199                  | 899 | 719 | 599 | 514 | 450 | 1142                  | 856 | 685 | 571 | 489 | 428 | 999                   | 749 | 599 | 500 | 428 | 375 |
| 18                       | 1231                  | 923 | 739 | 615 | 528 | 462 | 1172                  | 879 | 703 | 586 | 502 | 440 | 1026                  | 769 | 615 | 513 | 440 | 385 |
| 18,5                     | 1247                  | 936 | 748 | 624 | 535 | 468 | 1188                  | 891 | 713 | 594 | 509 | 446 | 1040                  | 780 | 624 | 520 | 446 | 390 |

ŁD I - Łopatkii I długa  
 ŁD II - Łopatkii II długa  
 ŁK I - Łopatkii I krótka  
 ŁK II - Łopatkii II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



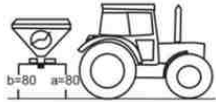
### NS 21-24 Siarczan Amonu AS21 select

Grupa Azoty Zakłady Azotowe Tarnów S.A.

Formuła nawozu: N(S) 21-(24)  
Klasa ziarnowa: granule 3,55 mm, nie mniej niż 70%  
Gęstość nasypowa: 1,035 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |      |     |     |     |     | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 1,1           |      |     |     |     |     | ŁD II - 1,1           |     |     |     |     |     | ŁD II - 1,4           |     |     |     |     |     | ŁD II - 2,1           |     |     |     |     |     |
|                          | ŁK II - 1             |      |     |     |     |     | ŁK II - 1,2           |     |     |     |     |     | ŁK II - 1             |     |     |     |     |     | ŁK II - 1             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 37                    | 28   | 22  | 19  | 16  | 14  | 34                    | 25  | 20  | 17  | 14  | 13  | 32                    | 24  | 19  | 16  | 14  | 12  | 28                    | 21  | 17  | 14  | 12  | 11  |
| 4,5                      | 48                    | 36   | 29  | 24  | 21  | 18  | 43                    | 32  | 26  | 22  | 18  | 16  | 41                    | 31  | 25  | 21  | 18  | 15  | 36                    | 27  | 22  | 18  | 15  | 13  |
| 5                        | 58                    | 44   | 35  | 29  | 25  | 22  | 52                    | 39  | 31  | 26  | 22  | 20  | 50                    | 37  | 30  | 25  | 21  | 19  | 44                    | 33  | 26  | 22  | 19  | 16  |
| 5,5                      | 72                    | 54   | 43  | 36  | 31  | 27  | 65                    | 49  | 39  | 32  | 28  | 24  | 62                    | 46  | 37  | 31  | 26  | 23  | 54                    | 41  | 32  | 27  | 23  | 20  |
| 6                        | 88                    | 66   | 53  | 44  | 38  | 33  | 79                    | 59  | 47  | 39  | 34  | 30  | 75                    | 56  | 45  | 38  | 32  | 28  | 66                    | 49  | 39  | 33  | 28  | 25  |
| 6,5                      | 105                   | 79   | 63  | 52  | 45  | 39  | 94                    | 71  | 57  | 47  | 40  | 35  | 90                    | 67  | 54  | 45  | 39  | 34  | 79                    | 59  | 47  | 39  | 34  | 29  |
| 7                        | 129                   | 96   | 77  | 64  | 55  | 48  | 116                   | 87  | 69  | 58  | 50  | 43  | 110                   | 83  | 66  | 55  | 47  | 41  | 96                    | 72  | 58  | 48  | 41  | 36  |
| 7,5                      | 163                   | 122  | 98  | 82  | 70  | 61  | 147                   | 110 | 88  | 73  | 63  | 55  | 140                   | 105 | 84  | 70  | 60  | 52  | 122                   | 92  | 73  | 61  | 52  | 46  |
| 8                        | 186                   | 139  | 112 | 93  | 80  | 70  | 167                   | 126 | 100 | 84  | 72  | 63  | 159                   | 120 | 96  | 80  | 68  | 60  | 139                   | 105 | 84  | 70  | 60  | 52  |
| 8,5                      | 206                   | 155  | 124 | 103 | 88  | 77  | 185                   | 139 | 111 | 93  | 79  | 70  | 177                   | 132 | 106 | 88  | 76  | 66  | 155                   | 116 | 93  | 77  | 66  | 58  |
| 9                        | 239                   | 179  | 143 | 119 | 102 | 90  | 215                   | 161 | 129 | 107 | 92  | 81  | 205                   | 154 | 123 | 102 | 88  | 77  | 179                   | 134 | 107 | 90  | 77  | 67  |
| 9,5                      | 274                   | 205  | 164 | 137 | 117 | 103 | 247                   | 185 | 148 | 123 | 106 | 92  | 235                   | 176 | 141 | 117 | 101 | 88  | 205                   | 154 | 123 | 103 | 88  | 77  |
| 10                       | 309                   | 232  | 185 | 154 | 132 | 116 | 278                   | 208 | 167 | 139 | 119 | 104 | 265                   | 199 | 159 | 132 | 113 | 99  | 232                   | 174 | 139 | 116 | 99  | 87  |
| 10,5                     | 348                   | 261  | 209 | 174 | 149 | 131 | 313                   | 235 | 188 | 157 | 134 | 117 | 298                   | 224 | 179 | 149 | 128 | 112 | 261                   | 196 | 157 | 131 | 112 | 98  |
| 11                       | 398                   | 298  | 239 | 199 | 170 | 149 | 358                   | 268 | 215 | 179 | 153 | 134 | 341                   | 256 | 205 | 170 | 146 | 128 | 298                   | 224 | 179 | 149 | 128 | 112 |
| 11,5                     | 450                   | 337  | 270 | 225 | 193 | 169 | 405                   | 304 | 243 | 202 | 173 | 152 | 385                   | 289 | 231 | 193 | 165 | 145 | 337                   | 253 | 202 | 169 | 145 | 126 |
| 12                       | 501                   | 376  | 301 | 250 | 215 | 188 | 451                   | 338 | 271 | 225 | 193 | 169 | 429                   | 322 | 258 | 215 | 184 | 161 | 376                   | 282 | 225 | 188 | 161 | 141 |
| 12,5                     | 545                   | 409  | 327 | 272 | 234 | 204 | 490                   | 368 | 294 | 245 | 210 | 184 | 467                   | 350 | 280 | 234 | 200 | 175 | 409                   | 307 | 245 | 204 | 175 | 153 |
| 13                       | 599                   | 449  | 359 | 299 | 257 | 225 | 539                   | 404 | 323 | 270 | 231 | 202 | 513                   | 385 | 308 | 257 | 220 | 193 | 449                   | 337 | 270 | 225 | 193 | 168 |
| 13,5                     | 673                   | 505  | 404 | 337 | 289 | 252 | 606                   | 454 | 364 | 303 | 260 | 227 | 577                   | 433 | 346 | 289 | 247 | 216 | 505                   | 379 | 303 | 252 | 216 | 189 |
| 14                       | 733                   | 550  | 440 | 366 | 314 | 275 | 659                   | 495 | 396 | 330 | 283 | 247 | 628                   | 471 | 377 | 314 | 269 | 236 | 550                   | 412 | 330 | 275 | 236 | 206 |
| 14,5                     | 806                   | 605  | 484 | 403 | 346 | 302 | 726                   | 544 | 435 | 363 | 311 | 272 | 691                   | 518 | 415 | 346 | 296 | 259 | 605                   | 454 | 363 | 302 | 259 | 227 |
| 15                       | 870                   | 652  | 522 | 435 | 373 | 326 | 783                   | 587 | 470 | 391 | 335 | 294 | 746                   | 559 | 447 | 373 | 320 | 280 | 652                   | 489 | 391 | 326 | 280 | 245 |
| 15,5                     | 953                   | 714  | 572 | 476 | 408 | 357 | 857                   | 643 | 514 | 429 | 367 | 321 | 816                   | 612 | 490 | 408 | 350 | 306 | 714                   | 536 | 429 | 357 | 306 | 268 |
| 16                       | 1049                  | 786  | 629 | 524 | 449 | 393 | 944                   | 708 | 566 | 472 | 404 | 354 | 899                   | 674 | 539 | 449 | 385 | 337 | 786                   | 590 | 472 | 393 | 337 | 295 |
| 16,5                     | 1121                  | 841  | 673 | 561 | 481 | 420 | 1009                  | 757 | 605 | 505 | 432 | 378 | 961                   | 721 | 577 | 481 | 412 | 360 | 841                   | 631 | 505 | 420 | 360 | 315 |
| 17                       | 1226                  | 919  | 735 | 613 | 525 | 460 | 1103                  | 827 | 662 | 552 | 473 | 414 | 1051                  | 788 | 630 | 525 | 450 | 394 | 919                   | 689 | 552 | 460 | 394 | 345 |
| 17,5                     | 1332                  | 999  | 799 | 666 | 571 | 500 | 1199                  | 899 | 719 | 599 | 514 | 450 | 1142                  | 856 | 685 | 571 | 489 | 428 | 999                   | 749 | 599 | 500 | 428 | 375 |
| 18                       | 1368                  | 1026 | 821 | 684 | 586 | 513 | 1231                  | 923 | 739 | 615 | 528 | 462 | 1172                  | 879 | 703 | 586 | 502 | 440 | 1026                  | 769 | 615 | 513 | 440 | 385 |
| 18,5                     | 1386                  | 1040 | 832 | 693 | 594 | 520 | 1247                  | 936 | 748 | 624 | 535 | 468 | 1188                  | 891 | 713 | 594 | 509 | 446 | 1040                  | 780 | 624 | 520 | 446 | 390 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



### NS 21-24 Siarczan Amonu AS21 select

Grupa Azoty Zakłady Azotowe Tarnów S.A.

Formuła nawozu: N(S) 21-(24)  
Klasa ziarnowa: granule 3,55 mm, nie mniej niż 70%  
Gęstość nasypowa: 1,035 kg/dm<sup>3</sup>

| Szerokość robocza        | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     | 30 m                  |     |     |     |     |     | 32 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 2,3           |     |     |     |     |     | ŁD II - 2,3           |     |     |     |     |     | ŁD II - 3,2           |     |     |     |     |     | ŁD II - 3,2           |     |     |     |     |     |
|                          | ŁK II - 1,1           |     |     |     |     |     | ŁK II - 1,3           |     |     |     |     |     | ŁK II - 0,4           |     |     |     |     |     | ŁK II - 1,1           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 25                    | 19  | 15  | 12  | 11  | 9   | 24                    | 18  | 14  | 12  | 10  | 9   | 22                    | 17  | 13  | 11  | 10  | 8   | 21                    | 16  | 13  | 11  | 9   | 8   |
| 4,5                      | 32                    | 24  | 19  | 16  | 14  | 12  | 31                    | 23  | 18  | 15  | 13  | 12  | 29                    | 22  | 17  | 14  | 12  | 11  | 27                    | 20  | 16  | 13  | 12  | 10  |
| 5                        | 39                    | 29  | 23  | 19  | 17  | 15  | 37                    | 28  | 22  | 19  | 16  | 14  | 35                    | 26  | 21  | 17  | 15  | 13  | 33                    | 25  | 20  | 16  | 14  | 12  |
| 5,5                      | 48                    | 36  | 29  | 24  | 21  | 18  | 46                    | 35  | 28  | 23  | 20  | 17  | 43                    | 32  | 26  | 22  | 19  | 16  | 41                    | 30  | 24  | 20  | 17  | 15  |
| 6                        | 58                    | 44  | 35  | 29  | 25  | 22  | 56                    | 42  | 34  | 28  | 24  | 21  | 53                    | 39  | 32  | 26  | 23  | 20  | 49                    | 37  | 30  | 25  | 21  | 18  |
| 6,5                      | 70                    | 52  | 42  | 35  | 30  | 26  | 67                    | 51  | 40  | 34  | 29  | 25  | 63                    | 47  | 38  | 31  | 27  | 24  | 59                    | 44  | 35  | 29  | 25  | 22  |
| 7                        | 86                    | 64  | 51  | 43  | 37  | 32  | 83                    | 62  | 50  | 41  | 35  | 31  | 77                    | 58  | 46  | 39  | 33  | 29  | 72                    | 54  | 43  | 36  | 31  | 27  |
| 7,5                      | 109                   | 82  | 65  | 54  | 47  | 41  | 105                   | 79  | 63  | 52  | 45  | 39  | 98                    | 73  | 59  | 49  | 42  | 37  | 92                    | 69  | 55  | 46  | 39  | 34  |
| 8                        | 124                   | 93  | 74  | 62  | 53  | 46  | 120                   | 90  | 72  | 60  | 51  | 45  | 112                   | 84  | 67  | 56  | 48  | 42  | 105                   | 78  | 63  | 52  | 45  | 39  |
| 8,5                      | 137                   | 103 | 82  | 69  | 59  | 52  | 132                   | 99  | 79  | 66  | 57  | 50  | 124                   | 93  | 74  | 62  | 53  | 46  | 116                   | 87  | 70  | 58  | 50  | 43  |
| 9                        | 159                   | 119 | 96  | 80  | 68  | 60  | 154                   | 115 | 92  | 77  | 66  | 58  | 143                   | 107 | 86  | 72  | 61  | 54  | 134                   | 101 | 81  | 67  | 58  | 50  |
| 9,5                      | 183                   | 137 | 110 | 91  | 78  | 68  | 176                   | 132 | 106 | 88  | 75  | 66  | 164                   | 123 | 99  | 82  | 70  | 62  | 154                   | 116 | 92  | 77  | 66  | 58  |
| 10                       | 206                   | 154 | 124 | 103 | 88  | 77  | 199                   | 149 | 119 | 99  | 85  | 74  | 185                   | 139 | 111 | 93  | 79  | 69  | 174                   | 130 | 104 | 87  | 74  | 65  |
| 10,5                     | 232                   | 174 | 139 | 116 | 99  | 87  | 224                   | 168 | 134 | 112 | 96  | 84  | 209                   | 157 | 125 | 104 | 90  | 78  | 196                   | 147 | 117 | 98  | 84  | 73  |
| 11                       | 265                   | 199 | 159 | 133 | 114 | 99  | 256                   | 192 | 153 | 128 | 110 | 96  | 239                   | 179 | 143 | 119 | 102 | 89  | 224                   | 168 | 134 | 112 | 96  | 84  |
| 11,5                     | 300                   | 225 | 180 | 150 | 128 | 112 | 289                   | 217 | 173 | 145 | 124 | 108 | 270                   | 202 | 162 | 135 | 116 | 101 | 253                   | 190 | 152 | 126 | 108 | 95  |
| 12                       | 334                   | 250 | 200 | 167 | 143 | 125 | 322                   | 242 | 193 | 161 | 138 | 121 | 301                   | 225 | 180 | 150 | 129 | 113 | 282                   | 211 | 169 | 141 | 121 | 106 |
| 12,5                     | 363                   | 272 | 218 | 182 | 156 | 136 | 350                   | 263 | 210 | 175 | 150 | 131 | 327                   | 245 | 196 | 163 | 140 | 123 | 307                   | 230 | 184 | 153 | 131 | 115 |
| 13                       | 399                   | 299 | 240 | 200 | 171 | 150 | 385                   | 289 | 231 | 193 | 165 | 144 | 359                   | 270 | 216 | 180 | 154 | 135 | 337                   | 253 | 202 | 168 | 144 | 126 |
| 13,5                     | 449                   | 337 | 269 | 224 | 192 | 168 | 433                   | 325 | 260 | 216 | 185 | 162 | 404                   | 303 | 242 | 202 | 173 | 151 | 379                   | 284 | 227 | 189 | 162 | 142 |
| 14                       | 488                   | 366 | 293 | 244 | 209 | 183 | 471                   | 353 | 283 | 236 | 202 | 177 | 440                   | 330 | 264 | 220 | 188 | 165 | 412                   | 309 | 247 | 206 | 177 | 155 |
| 14,5                     | 538                   | 403 | 323 | 269 | 230 | 202 | 518                   | 389 | 311 | 259 | 222 | 194 | 484                   | 363 | 290 | 242 | 207 | 181 | 454                   | 340 | 272 | 227 | 194 | 170 |
| 15                       | 580                   | 435 | 348 | 290 | 249 | 217 | 559                   | 419 | 335 | 280 | 240 | 210 | 522                   | 391 | 313 | 261 | 224 | 196 | 489                   | 367 | 294 | 245 | 210 | 183 |
| 15,5                     | 635                   | 476 | 381 | 318 | 272 | 238 | 612                   | 459 | 367 | 306 | 262 | 230 | 572                   | 429 | 343 | 286 | 245 | 214 | 536                   | 402 | 321 | 268 | 230 | 201 |
| 16                       | 699                   | 524 | 419 | 350 | 300 | 262 | 674                   | 506 | 404 | 337 | 289 | 253 | 629                   | 472 | 377 | 315 | 270 | 236 | 590                   | 442 | 354 | 295 | 253 | 221 |
| 16,5                     | 748                   | 561 | 449 | 374 | 320 | 280 | 721                   | 541 | 432 | 360 | 309 | 270 | 673                   | 505 | 404 | 336 | 288 | 252 | 631                   | 473 | 378 | 315 | 270 | 237 |
| 17                       | 817                   | 613 | 490 | 409 | 350 | 306 | 788                   | 591 | 473 | 394 | 338 | 295 | 735                   | 552 | 441 | 368 | 315 | 276 | 689                   | 517 | 414 | 345 | 295 | 259 |
| 17,5                     | 888                   | 666 | 533 | 444 | 381 | 333 | 856                   | 642 | 514 | 428 | 367 | 321 | 799                   | 599 | 480 | 400 | 343 | 300 | 749                   | 562 | 450 | 375 | 321 | 281 |
| 18                       | 912                   | 684 | 547 | 456 | 391 | 342 | 879                   | 659 | 528 | 440 | 377 | 330 | 821                   | 615 | 492 | 410 | 352 | 308 | 769                   | 577 | 462 | 385 | 330 | 289 |
| 18,5                     | 924                   | 693 | 554 | 462 | 396 | 347 | 891                   | 668 | 535 | 446 | 382 | 334 | 832                   | 624 | 499 | 416 | 356 | 312 | 780                   | 585 | 468 | 390 | 334 | 292 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



NS 21-24 Siarczan Amonu AS21 select

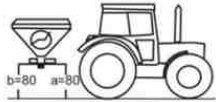
Grupa Azoty Zakłady Azotowe Tarnów S.A.

Formuła nawozu: N(S) 21-(24)  
Klasa ziarnowa: granule 3,55 mm, nie mniej niż 70%  
Gęstość nasypowa: 1,035 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy | Wysiew graniczny |                        |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ED I - 1                    | ŁK I - 2,3  | 540 obr/min | 10             | 70                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 15                | ED I - 1,3                  | ŁK I - 2,2  | 540 obr/min | 15             | 70                 | 90               | -2                     | -45%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 16                | ED I - 1,3                  | ŁK I - 2,3  | 540 obr/min | 20             | 60                 | 80               | -1                     | -25%                     | 100                 | -3                     | -60%                     | 380 obr/min      |
| 18                | ED I - 1,5                  | ŁK I - 3    | 540 obr/min | 25             | 60                 | 80               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
|                   | ED II - 1,1                 | ŁK II - 1   | 540 obr/min | 25             | 60                 | 80               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
| 20                | ED I - 2,4                  | ŁK I - 2    | 540 obr/min | 30             | 50                 | 70               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
|                   | ED II - 1,1                 | ŁK II - 1,2 | 540 obr/min | 30             | 50                 | 70               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 21                | ED I - 2,4                  | ŁK I - 2,2  | 540 obr/min | 35             | 50                 | 70               | 0                      | 0%                       | 90                  | -2                     | -45%                     | -                |
|                   | ED II - 1,4                 | ŁK II - 1   | 540 obr/min | 35             | 50                 | 70               | 0                      | 0%                       | 90                  | -2                     | -45%                     | -                |
| 24                | ED I - 3,2                  | ŁK I - 2,3  | 540 obr/min | 40             | 40                 | 60               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
|                   | ED II - 2,1                 | ŁK II - 1   | 540 obr/min | 35             | 50                 | 70               | 0                      | 0%                       | 90                  | -1                     | -25%                     | -                |
| 27                | ED II - 2,3                 | ŁK II - 1,1 | 540 obr/min | 40             | 40                 | 60               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
| 28                | ED II - 2,3                 | ŁK II - 1,3 | 540 obr/min | 40             | 40                 | 60               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
| 30                | ED II - 3,2                 | ŁK II - 0,4 | 540 obr/min | 45             | 40                 | 60               | 0                      | 0%                       | 80                  | -1                     | -25%                     | -                |
| 32                | ED II - 3,2                 | ŁK II - 1,1 | 540 obr/min | 45             | 30                 | 50               | 0                      | 0%                       | 70                  | -1                     | -25%                     | -                |

ED I - Łopaska I długa  
ED II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka





# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**N 34 Saletra amonowa PULAN**

**Grupa Azoty Zakłady Azotowe „Puławy” S.A.**

Formuła nawozu: N 34  
Klasa ziarnowa: granule 1-4 mm - nie mniej niż 95%  
Gęstość nasypowa: 0,98 – 1,06 kg/dm<sup>3</sup> N

| Szerokość robocza        | 12 m                  |      |      |      |      |      | 15 m                  |      |      |      |     |     | 16 m                  |      |      |      |     |     | 18 m                  |      |      |     |     |     |
|--------------------------|-----------------------|------|------|------|------|------|-----------------------|------|------|------|-----|-----|-----------------------|------|------|------|-----|-----|-----------------------|------|------|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 3,4            |      |      |      |      |      | ŁD I - 3,4            |      |      |      |     |     | ŁD I - 4              |      |      |      |     |     | ŁD I - 5              |      |      |     |     |     |
|                          | ŁK I - 2,3            |      |      |      |      |      | ŁK I - 4              |      |      |      |     |     | ŁK I - 3,3            |      |      |      |     |     | ŁK I - 3              |      |      |     |     |     |
| Obroty                   | 540 obr/min           |      |      |      |      |      | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |      |      |     |     | 540 obr/min           |      |      |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |      |      |      |                       |      |      |      |     |     |                       |      |      |      |     |     |                       |      |      |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |      |      |      | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |      |      |     |     | Prędk. robocza [km/h] |      |      |     |     |     |
|                          | 6                     | 8    | 10   | 12   | 14   | 16   | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10   | 12   | 14  | 16  | 6                     | 8    | 10   | 12  | 14  | 16  |
| 4                        | 115                   | 86   | 69   | 57   | 49   | 43   | 92                    | 69   | 55   | 46   | 39  | 34  | 86                    | 65   | 52   | 43   | 37  | 32  | 76                    | 57   | 46   | 38  | 33  | 29  |
| 4,5                      | 139                   | 104  | 83   | 69   | 60   | 52   | 111                   | 83   | 67   | 56   | 48  | 42  | 104                   | 78   | 63   | 52   | 45  | 39  | 93                    | 69   | 56   | 46  | 40  | 35  |
| 5                        | 170                   | 128  | 102  | 85   | 73   | 64   | 136                   | 102  | 82   | 68   | 58  | 51  | 128                   | 96   | 77   | 64   | 55  | 48  | 113                   | 85   | 68   | 57  | 49  | 43  |
| 5,5                      | 205                   | 154  | 123  | 103  | 88   | 77   | 164                   | 123  | 98   | 82   | 70  | 62  | 154                   | 115  | 92   | 77   | 66  | 58  | 137                   | 103  | 82   | 68  | 59  | 51  |
| 6                        | 247                   | 186  | 148  | 124  | 106  | 93   | 198                   | 148  | 119  | 99   | 85  | 74  | 186                   | 139  | 111  | 93   | 80  | 70  | 165                   | 124  | 99   | 82  | 71  | 62  |
| 6,5                      | 289                   | 217  | 173  | 145  | 124  | 108  | 231                   | 173  | 139  | 116  | 99  | 87  | 217                   | 163  | 130  | 108  | 93  | 81  | 193                   | 145  | 116  | 96  | 83  | 72  |
| 7                        | 342                   | 257  | 205  | 171  | 147  | 128  | 274                   | 205  | 164  | 137  | 117 | 103 | 257                   | 193  | 154  | 128  | 110 | 96  | 228                   | 171  | 137  | 114 | 98  | 86  |
| 7,5                      | 396                   | 297  | 238  | 198  | 170  | 149  | 317                   | 238  | 190  | 158  | 136 | 119 | 297                   | 223  | 178  | 149  | 127 | 111 | 264                   | 198  | 158  | 132 | 113 | 99  |
| 8                        | 458                   | 344  | 275  | 229  | 196  | 172  | 367                   | 275  | 220  | 183  | 157 | 138 | 344                   | 258  | 206  | 172  | 147 | 129 | 306                   | 229  | 183  | 153 | 131 | 115 |
| 8,5                      | 526                   | 395  | 316  | 263  | 225  | 197  | 421                   | 316  | 253  | 210  | 180 | 158 | 395                   | 296  | 237  | 197  | 169 | 148 | 351                   | 263  | 210  | 175 | 150 | 132 |
| 9                        | 605                   | 454  | 363  | 303  | 259  | 227  | 484                   | 363  | 291  | 242  | 208 | 182 | 454                   | 340  | 272  | 227  | 195 | 170 | 403                   | 303  | 242  | 202 | 173 | 151 |
| 9,5                      | 680                   | 510  | 408  | 340  | 291  | 255  | 544                   | 408  | 326  | 272  | 233 | 204 | 510                   | 383  | 306  | 255  | 219 | 191 | 453                   | 340  | 272  | 227 | 194 | 170 |
| 10                       | 764                   | 573  | 458  | 382  | 327  | 287  | 611                   | 458  | 367  | 306  | 262 | 229 | 573                   | 430  | 344  | 287  | 246 | 215 | 509                   | 382  | 306  | 255 | 218 | 191 |
| 10,5                     | 852                   | 639  | 511  | 426  | 365  | 320  | 682                   | 511  | 409  | 341  | 292 | 256 | 639                   | 479  | 384  | 320  | 274 | 240 | 568                   | 426  | 341  | 284 | 244 | 213 |
| 11                       | 941                   | 706  | 564  | 470  | 403  | 353  | 753                   | 564  | 452  | 376  | 323 | 282 | 706                   | 529  | 423  | 353  | 302 | 265 | 627                   | 470  | 376  | 314 | 269 | 235 |
| 11,5                     | 1044                  | 783  | 626  | 522  | 447  | 391  | 835                   | 626  | 501  | 417  | 358 | 313 | 783                   | 587  | 470  | 391  | 335 | 294 | 696                   | 522  | 417  | 348 | 298 | 261 |
| 12                       | 1146                  | 859  | 687  | 573  | 491  | 430  | 916                   | 687  | 550  | 458  | 393 | 344 | 859                   | 644  | 515  | 430  | 368 | 322 | 764                   | 573  | 458  | 382 | 327 | 286 |
| 12,5                     | 1241                  | 931  | 745  | 620  | 532  | 465  | 993                   | 745  | 596  | 496  | 425 | 372 | 931                   | 698  | 558  | 465  | 399 | 349 | 827                   | 620  | 496  | 414 | 355 | 310 |
| 13                       | 1363                  | 1022 | 818  | 681  | 584  | 511  | 1090                  | 818  | 654  | 545  | 467 | 409 | 1022                  | 767  | 613  | 511  | 438 | 383 | 908                   | 681  | 545  | 454 | 389 | 341 |
| 13,5                     | 1475                  | 1107 | 885  | 738  | 632  | 553  | 1180                  | 885  | 708  | 590  | 506 | 443 | 1107                  | 830  | 664  | 553  | 474 | 415 | 984                   | 738  | 590  | 492 | 422 | 369 |
| 14                       | 1614                  | 1210 | 968  | 807  | 692  | 605  | 1291                  | 968  | 774  | 645  | 553 | 484 | 1210                  | 908  | 726  | 605  | 519 | 454 | 1076                  | 807  | 645  | 538 | 461 | 403 |
| 14,5                     | 1637                  | 1227 | 982  | 818  | 701  | 614  | 1309                  | 982  | 786  | 655  | 561 | 491 | 1227                  | 921  | 736  | 614  | 526 | 460 | 1091                  | 818  | 655  | 546 | 468 | 409 |
| 15                       | 1870                  | 1403 | 1122 | 935  | 801  | 701  | 1496                  | 1122 | 898  | 748  | 641 | 561 | 1403                  | 1052 | 842  | 701  | 601 | 526 | 1247                  | 935  | 748  | 623 | 534 | 468 |
| 15,5                     | 2015                  | 1511 | 1209 | 1008 | 864  | 756  | 1612                  | 1209 | 967  | 806  | 691 | 605 | 1511                  | 1133 | 907  | 756  | 648 | 567 | 1343                  | 1008 | 806  | 672 | 576 | 504 |
| 16                       | 2142                  | 1606 | 1285 | 1071 | 918  | 803  | 1713                  | 1285 | 1028 | 857  | 734 | 643 | 1606                  | 1205 | 964  | 803  | 688 | 602 | 1428                  | 1071 | 857  | 714 | 612 | 535 |
| 16,5                     | 2287                  | 1715 | 1372 | 1144 | 980  | 858  | 1830                  | 1372 | 1098 | 915  | 784 | 686 | 1715                  | 1286 | 1029 | 858  | 735 | 643 | 1525                  | 1144 | 915  | 762 | 653 | 572 |
| 17                       | 2437                  | 1828 | 1462 | 1219 | 1045 | 914  | 1950                  | 1462 | 1170 | 975  | 836 | 731 | 1828                  | 1371 | 1097 | 914  | 783 | 686 | 1625                  | 1219 | 975  | 812 | 696 | 609 |
| 17,5                     | 2587                  | 1940 | 1552 | 1293 | 1109 | 970  | 2069                  | 1552 | 1242 | 1035 | 887 | 776 | 1940                  | 1455 | 1164 | 970  | 831 | 728 | 1725                  | 1293 | 1035 | 862 | 739 | 647 |
| 18                       | 2634                  | 1976 | 1581 | 1317 | 1129 | 988  | 2107                  | 1581 | 1264 | 1054 | 903 | 790 | 1976                  | 1482 | 1185 | 988  | 847 | 741 | 1756                  | 1317 | 1054 | 878 | 753 | 659 |
| 18,5                     | 2683                  | 2012 | 1610 | 1342 | 1150 | 1006 | 2147                  | 1610 | 1288 | 1073 | 920 | 805 | 2012                  | 1509 | 1207 | 1006 | 862 | 755 | 1789                  | 1342 | 1073 | 894 | 767 | 671 |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatkı I



**N 34 Saletra amonowa PULAN**

**Grupa Azoty Zakłady Azotowe „Puławy” S.A.**

Formuła nawozu: N 34  
Klasa ziarnowa: granule 1-4 mm - nie mniej niż 95%  
Gęstość nasypowa: 0,98 – 1,06 kg/dm<sup>3</sup> N

| Szerokość robocza        | 20 m                  |      |     |     |     |     | 21 m                  |      |     |     |     |     | 24 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 4              |      |     |     |     |     | ŁD I - 5              |      |     |     |     |     | ŁD I - 6              |      |     |     |     |     |
|                          | ŁK I - 4              |      |     |     |     |     | ŁK I - 3,2            |      |     |     |     |     | ŁK I - 3,2            |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 600 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |      |     |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 69                    | 52   | 41  | 34  | 29  | 26  | 66                    | 49   | 39  | 33  | 28  | 25  | 57                    | 43   | 34  | 29  | 25  | 22  |
| 4,5                      | 83                    | 63   | 50  | 42  | 36  | 31  | 79                    | 60   | 48  | 40  | 34  | 30  | 69                    | 52   | 42  | 35  | 30  | 26  |
| 5                        | 102                   | 77   | 61  | 51  | 44  | 38  | 97                    | 73   | 58  | 49  | 42  | 36  | 85                    | 64   | 51  | 43  | 36  | 32  |
| 5,5                      | 123                   | 92   | 74  | 62  | 53  | 46  | 117                   | 88   | 70  | 59  | 50  | 44  | 103                   | 77   | 62  | 51  | 44  | 38  |
| 6                        | 148                   | 111  | 89  | 74  | 64  | 56  | 141                   | 106  | 85  | 71  | 61  | 53  | 124                   | 93   | 74  | 62  | 53  | 46  |
| 6,5                      | 173                   | 130  | 104 | 87  | 74  | 65  | 165                   | 124  | 99  | 83  | 71  | 62  | 145                   | 108  | 87  | 72  | 62  | 54  |
| 7                        | 205                   | 154  | 123 | 103 | 88  | 77  | 196                   | 147  | 117 | 98  | 84  | 73  | 171                   | 128  | 103 | 86  | 73  | 64  |
| 7,5                      | 238                   | 178  | 143 | 119 | 102 | 89  | 226                   | 170  | 136 | 113 | 97  | 85  | 198                   | 149  | 119 | 99  | 85  | 74  |
| 8                        | 275                   | 206  | 165 | 138 | 118 | 103 | 262                   | 196  | 157 | 131 | 112 | 98  | 229                   | 172  | 138 | 115 | 98  | 86  |
| 8,5                      | 316                   | 237  | 189 | 158 | 135 | 118 | 301                   | 225  | 180 | 150 | 129 | 113 | 263                   | 197  | 158 | 132 | 113 | 99  |
| 9                        | 363                   | 272  | 218 | 182 | 156 | 136 | 346                   | 259  | 208 | 173 | 148 | 130 | 303                   | 227  | 182 | 151 | 130 | 113 |
| 9,5                      | 408                   | 306  | 245 | 204 | 175 | 153 | 389                   | 291  | 233 | 194 | 167 | 146 | 340                   | 255  | 204 | 170 | 146 | 128 |
| 10                       | 458                   | 344  | 275 | 229 | 196 | 172 | 437                   | 327  | 262 | 218 | 187 | 164 | 382                   | 287  | 229 | 191 | 164 | 143 |
| 10,5                     | 511                   | 384  | 307 | 256 | 219 | 192 | 487                   | 365  | 292 | 244 | 209 | 183 | 426                   | 320  | 256 | 213 | 183 | 160 |
| 11                       | 564                   | 423  | 339 | 282 | 242 | 212 | 538                   | 403  | 323 | 269 | 230 | 202 | 470                   | 353  | 282 | 235 | 202 | 176 |
| 11,5                     | 626                   | 470  | 376 | 313 | 268 | 235 | 596                   | 447  | 358 | 298 | 256 | 224 | 522                   | 391  | 313 | 261 | 224 | 196 |
| 12                       | 687                   | 515  | 412 | 344 | 295 | 258 | 655                   | 491  | 393 | 327 | 281 | 245 | 573                   | 430  | 344 | 286 | 245 | 215 |
| 12,5                     | 745                   | 558  | 447 | 372 | 319 | 279 | 709                   | 532  | 425 | 355 | 304 | 266 | 620                   | 465  | 372 | 310 | 266 | 233 |
| 13                       | 818                   | 613  | 491 | 409 | 350 | 307 | 779                   | 584  | 467 | 389 | 334 | 292 | 681                   | 511  | 409 | 341 | 292 | 256 |
| 13,5                     | 885                   | 664  | 531 | 443 | 379 | 332 | 843                   | 632  | 506 | 422 | 361 | 316 | 738                   | 553  | 443 | 369 | 316 | 277 |
| 14                       | 968                   | 726  | 581 | 484 | 415 | 363 | 922                   | 692  | 553 | 461 | 395 | 346 | 807                   | 605  | 484 | 403 | 346 | 303 |
| 14,5                     | 982                   | 736  | 589 | 491 | 421 | 368 | 935                   | 701  | 561 | 468 | 401 | 351 | 818                   | 614  | 491 | 409 | 351 | 307 |
| 15                       | 1122                  | 842  | 673 | 561 | 481 | 421 | 1069                  | 801  | 641 | 534 | 458 | 401 | 935                   | 701  | 561 | 468 | 401 | 351 |
| 15,5                     | 1209                  | 907  | 725 | 605 | 518 | 453 | 1151                  | 864  | 691 | 576 | 493 | 432 | 1008                  | 756  | 605 | 504 | 432 | 378 |
| 16                       | 1285                  | 964  | 771 | 643 | 551 | 482 | 1224                  | 918  | 734 | 612 | 524 | 459 | 1071                  | 803  | 643 | 535 | 459 | 402 |
| 16,5                     | 1372                  | 1029 | 823 | 686 | 588 | 515 | 1307                  | 980  | 784 | 653 | 560 | 490 | 1144                  | 858  | 686 | 572 | 490 | 429 |
| 17                       | 1462                  | 1097 | 877 | 731 | 627 | 548 | 1393                  | 1045 | 836 | 696 | 597 | 522 | 1219                  | 914  | 731 | 609 | 522 | 457 |
| 17,5                     | 1552                  | 1164 | 931 | 776 | 665 | 582 | 1478                  | 1109 | 887 | 739 | 634 | 554 | 1293                  | 970  | 776 | 647 | 554 | 485 |
| 18                       | 1581                  | 1185 | 948 | 790 | 677 | 593 | 1505                  | 1129 | 903 | 753 | 645 | 564 | 1317                  | 988  | 790 | 659 | 564 | 494 |
| 18,5                     | 1610                  | 1207 | 966 | 805 | 690 | 604 | 1533                  | 1150 | 920 | 767 | 657 | 575 | 1342                  | 1006 | 805 | 671 | 575 | 503 |

ŁD I - Łopatkı I długa  
ŁD II - Łopatkı II długa  
ŁK I - Łopatkı I krótka  
ŁK II - Łopatkı II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**N 34 Saletra amonowa PULAN**

**Grupa Azoty Zakłady Azotowe „Puławy” S.A.**

Formuła nawozu: N 34  
Klasa ziarnowa: granulę 1-4 mm - nie mniej niż 95%  
Gęstość nasypowa: 0,98 – 1,06 kg/dm<sup>3</sup> N

| Szerokość robocza        | 18 m                  |      |      |     |     |     | 20 m                  |      |     |     |     |     | 21 m                  |      |     |     |     |     |
|--------------------------|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 0             |      |      |     |     |     | ŁD II - 1             |      |     |     |     |     | ŁD II - 1,3           |      |     |     |     |     |
|                          | ŁK II - 2,2           |      |      |     |     |     | ŁK II - 4             |      |     |     |     |     | ŁK II - 3,3           |      |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |     |     |     |                       |      |     |     |     |     |                       |      |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     |
|                          | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  |
| 4                        | 76                    | 57   | 46   | 38  | 33  | 29  | 69                    | 52   | 41  | 34  | 29  | 26  | 66                    | 49   | 39  | 33  | 28  | 25  |
| 4,5                      | 93                    | 69   | 56   | 46  | 40  | 35  | 83                    | 63   | 50  | 42  | 36  | 31  | 79                    | 60   | 48  | 40  | 34  | 30  |
| 5                        | 113                   | 85   | 68   | 57  | 49  | 43  | 102                   | 77   | 61  | 51  | 44  | 38  | 97                    | 73   | 58  | 49  | 42  | 36  |
| 5,5                      | 137                   | 103  | 82   | 68  | 59  | 51  | 123                   | 92   | 74  | 62  | 53  | 46  | 117                   | 88   | 70  | 59  | 50  | 44  |
| 6                        | 165                   | 124  | 99   | 82  | 71  | 62  | 148                   | 111  | 89  | 74  | 64  | 56  | 141                   | 106  | 85  | 71  | 61  | 53  |
| 6,5                      | 193                   | 145  | 116  | 96  | 83  | 72  | 173                   | 130  | 104 | 87  | 74  | 65  | 165                   | 124  | 99  | 83  | 71  | 62  |
| 7                        | 228                   | 171  | 137  | 114 | 98  | 86  | 205                   | 154  | 123 | 103 | 88  | 77  | 196                   | 147  | 117 | 98  | 84  | 73  |
| 7,5                      | 264                   | 198  | 158  | 132 | 113 | 99  | 238                   | 178  | 143 | 119 | 102 | 89  | 226                   | 170  | 136 | 113 | 97  | 85  |
| 8                        | 306                   | 229  | 183  | 153 | 131 | 115 | 275                   | 206  | 165 | 138 | 118 | 103 | 262                   | 196  | 157 | 131 | 112 | 98  |
| 8,5                      | 351                   | 263  | 210  | 175 | 150 | 132 | 316                   | 237  | 189 | 158 | 135 | 118 | 301                   | 225  | 180 | 150 | 129 | 113 |
| 9                        | 403                   | 303  | 242  | 202 | 173 | 151 | 363                   | 272  | 218 | 182 | 156 | 136 | 346                   | 259  | 208 | 173 | 148 | 130 |
| 9,5                      | 453                   | 340  | 272  | 227 | 194 | 170 | 408                   | 306  | 245 | 204 | 175 | 153 | 389                   | 291  | 233 | 194 | 167 | 146 |
| 10                       | 509                   | 382  | 306  | 255 | 218 | 191 | 458                   | 344  | 275 | 229 | 196 | 172 | 437                   | 327  | 262 | 218 | 187 | 164 |
| 10,5                     | 568                   | 426  | 341  | 284 | 244 | 213 | 511                   | 384  | 307 | 256 | 219 | 192 | 487                   | 365  | 292 | 244 | 209 | 183 |
| 11                       | 627                   | 470  | 376  | 314 | 269 | 235 | 564                   | 423  | 339 | 282 | 242 | 212 | 538                   | 403  | 323 | 269 | 230 | 202 |
| 11,5                     | 696                   | 522  | 417  | 348 | 298 | 261 | 626                   | 470  | 376 | 313 | 268 | 235 | 596                   | 447  | 358 | 298 | 256 | 224 |
| 12                       | 764                   | 573  | 458  | 382 | 327 | 286 | 687                   | 515  | 412 | 344 | 295 | 258 | 655                   | 491  | 393 | 327 | 281 | 245 |
| 12,5                     | 827                   | 620  | 496  | 414 | 355 | 310 | 745                   | 558  | 447 | 372 | 319 | 279 | 709                   | 532  | 425 | 355 | 304 | 266 |
| 13                       | 908                   | 681  | 545  | 454 | 389 | 341 | 818                   | 613  | 491 | 409 | 350 | 307 | 779                   | 584  | 467 | 389 | 334 | 292 |
| 13,5                     | 984                   | 738  | 590  | 492 | 422 | 369 | 885                   | 664  | 531 | 443 | 379 | 332 | 843                   | 632  | 506 | 422 | 361 | 316 |
| 14                       | 1076                  | 807  | 645  | 538 | 461 | 403 | 968                   | 726  | 581 | 484 | 415 | 363 | 922                   | 692  | 553 | 461 | 395 | 346 |
| 14,5                     | 1091                  | 818  | 655  | 546 | 468 | 409 | 982                   | 736  | 589 | 491 | 421 | 368 | 935                   | 701  | 561 | 468 | 401 | 351 |
| 15                       | 1247                  | 935  | 748  | 623 | 534 | 468 | 1122                  | 842  | 673 | 561 | 481 | 421 | 1069                  | 801  | 641 | 534 | 458 | 401 |
| 15,5                     | 1343                  | 1008 | 806  | 672 | 576 | 504 | 1209                  | 907  | 725 | 605 | 518 | 453 | 1151                  | 864  | 691 | 576 | 493 | 432 |
| 16                       | 1428                  | 1071 | 857  | 714 | 612 | 535 | 1285                  | 964  | 771 | 643 | 551 | 482 | 1224                  | 918  | 734 | 612 | 524 | 459 |
| 16,5                     | 1525                  | 1144 | 915  | 762 | 653 | 572 | 1372                  | 1029 | 823 | 686 | 588 | 515 | 1307                  | 980  | 784 | 653 | 560 | 490 |
| 17                       | 1625                  | 1219 | 975  | 812 | 696 | 609 | 1462                  | 1097 | 877 | 731 | 627 | 548 | 1393                  | 1045 | 836 | 696 | 597 | 522 |
| 17,5                     | 1725                  | 1293 | 1035 | 862 | 739 | 647 | 1552                  | 1164 | 931 | 776 | 665 | 582 | 1478                  | 1109 | 887 | 739 | 634 | 554 |
| 18                       | 1756                  | 1317 | 1054 | 878 | 753 | 659 | 1581                  | 1185 | 948 | 790 | 677 | 593 | 1505                  | 1129 | 903 | 753 | 645 | 564 |
| 18,5                     | 1789                  | 1342 | 1073 | 894 | 767 | 671 | 1610                  | 1207 | 966 | 805 | 690 | 604 | 1533                  | 1150 | 920 | 767 | 657 | 575 |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka





# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**N 34 Saletra amonowa PULAN**

**Grupa Azoty Zakłady Azotowe „Puławy” S.A.**

Formuła nawozu: N 34  
Klasa ziarnowa: granulę 1-4 mm - nie mniej niż 95%  
Gęstość nasypowa: 0,98 – 1,06 kg/dm<sup>3</sup> N

| Szerokość robocza        | 24 m                  |      |     |     |     |     | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 4             |      |     |     |     |     | ŁD II - 6             |     |     |     |     |     | ŁD II - 6             |     |     |     |     |     |
|                          | ŁK II - 3,1           |      |     |     |     |     | ŁK II - 2,2           |     |     |     |     |     | ŁK II - 2,4           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 600 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 57                    | 43   | 34  | 29  | 25  | 22  | 51                    | 38  | 31  | 25  | 22  | 19  | 49                    | 37  | 29  | 25  | 21  | 18  |
| 4,5                      | 69                    | 52   | 42  | 35  | 30  | 26  | 62                    | 46  | 37  | 31  | 26  | 23  | 60                    | 45  | 36  | 30  | 26  | 22  |
| 5                        | 85                    | 64   | 51  | 43  | 36  | 32  | 76                    | 57  | 45  | 38  | 32  | 28  | 73                    | 55  | 44  | 36  | 31  | 27  |
| 5,5                      | 103                   | 77   | 62  | 51  | 44  | 38  | 91                    | 68  | 55  | 46  | 39  | 34  | 88                    | 66  | 53  | 44  | 38  | 33  |
| 6                        | 124                   | 93   | 74  | 62  | 53  | 46  | 110                   | 82  | 66  | 55  | 47  | 41  | 106                   | 80  | 64  | 53  | 45  | 40  |
| 6,5                      | 145                   | 108  | 87  | 72  | 62  | 54  | 129                   | 96  | 77  | 64  | 55  | 48  | 124                   | 93  | 74  | 62  | 53  | 46  |
| 7                        | 171                   | 128  | 103 | 86  | 73  | 64  | 152                   | 114 | 91  | 76  | 65  | 57  | 147                   | 110 | 88  | 73  | 63  | 55  |
| 7,5                      | 198                   | 149  | 119 | 99  | 85  | 74  | 176                   | 132 | 106 | 88  | 75  | 66  | 170                   | 127 | 102 | 85  | 73  | 64  |
| 8                        | 229                   | 172  | 138 | 115 | 98  | 86  | 204                   | 153 | 122 | 102 | 87  | 76  | 196                   | 147 | 118 | 98  | 84  | 74  |
| 8,5                      | 263                   | 197  | 158 | 132 | 113 | 99  | 234                   | 175 | 140 | 117 | 100 | 88  | 225                   | 169 | 135 | 113 | 97  | 85  |
| 9                        | 303                   | 227  | 182 | 151 | 130 | 113 | 269                   | 202 | 161 | 134 | 115 | 101 | 259                   | 195 | 156 | 130 | 111 | 97  |
| 9,5                      | 340                   | 255  | 204 | 170 | 146 | 128 | 302                   | 227 | 181 | 151 | 130 | 113 | 291                   | 219 | 175 | 146 | 125 | 109 |
| 10                       | 382                   | 287  | 229 | 191 | 164 | 143 | 340                   | 255 | 204 | 170 | 146 | 127 | 327                   | 246 | 196 | 164 | 140 | 123 |
| 10,5                     | 426                   | 320  | 256 | 213 | 183 | 160 | 379                   | 284 | 227 | 189 | 162 | 142 | 365                   | 274 | 219 | 183 | 157 | 137 |
| 11                       | 470                   | 353  | 282 | 235 | 202 | 176 | 418                   | 314 | 251 | 209 | 179 | 157 | 403                   | 302 | 242 | 202 | 173 | 151 |
| 11,5                     | 522                   | 391  | 313 | 261 | 224 | 196 | 464                   | 348 | 278 | 232 | 199 | 174 | 447                   | 335 | 268 | 224 | 192 | 168 |
| 12                       | 573                   | 430  | 344 | 286 | 245 | 215 | 509                   | 382 | 305 | 255 | 218 | 191 | 491                   | 368 | 295 | 245 | 210 | 184 |
| 12,5                     | 620                   | 465  | 372 | 310 | 266 | 233 | 552                   | 414 | 331 | 276 | 236 | 207 | 532                   | 399 | 319 | 266 | 228 | 199 |
| 13                       | 681                   | 511  | 409 | 341 | 292 | 256 | 606                   | 454 | 363 | 303 | 260 | 227 | 584                   | 438 | 350 | 292 | 250 | 219 |
| 13,5                     | 738                   | 553  | 443 | 369 | 316 | 277 | 656                   | 492 | 393 | 328 | 281 | 246 | 632                   | 474 | 379 | 316 | 271 | 237 |
| 14                       | 807                   | 605  | 484 | 403 | 346 | 303 | 717                   | 538 | 430 | 359 | 307 | 269 | 692                   | 519 | 415 | 346 | 296 | 259 |
| 14,5                     | 818                   | 614  | 491 | 409 | 351 | 307 | 727                   | 546 | 436 | 364 | 312 | 273 | 701                   | 526 | 421 | 351 | 301 | 263 |
| 15                       | 935                   | 701  | 561 | 468 | 401 | 351 | 831                   | 623 | 499 | 416 | 356 | 312 | 801                   | 601 | 481 | 401 | 343 | 301 |
| 15,5                     | 1008                  | 756  | 605 | 504 | 432 | 378 | 896                   | 672 | 537 | 448 | 384 | 336 | 864                   | 648 | 518 | 432 | 370 | 324 |
| 16                       | 1071                  | 803  | 643 | 535 | 459 | 402 | 952                   | 714 | 571 | 476 | 408 | 357 | 918                   | 688 | 551 | 459 | 393 | 344 |
| 16,5                     | 1144                  | 858  | 686 | 572 | 490 | 429 | 1016                  | 762 | 610 | 508 | 436 | 381 | 980                   | 735 | 588 | 490 | 420 | 368 |
| 17                       | 1219                  | 914  | 731 | 609 | 522 | 457 | 1083                  | 812 | 650 | 542 | 464 | 406 | 1045                  | 783 | 627 | 522 | 448 | 392 |
| 17,5                     | 1293                  | 970  | 776 | 647 | 554 | 485 | 1150                  | 862 | 690 | 575 | 493 | 431 | 1109                  | 831 | 665 | 554 | 475 | 416 |
| 18                       | 1317                  | 988  | 790 | 659 | 564 | 494 | 1171                  | 878 | 702 | 585 | 502 | 439 | 1129                  | 847 | 677 | 564 | 484 | 423 |
| 18,5                     | 1342                  | 1006 | 805 | 671 | 575 | 503 | 1193                  | 894 | 716 | 596 | 511 | 447 | 1150                  | 862 | 690 | 575 | 493 | 431 |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**N 34 Saletra amonowa PULAN**

**Grupa Azoty Zakłady Azotowe „Puławy” S.A.**

Formuła nawozu: N 34  
Klasa ziarnowa: granulę 1-4 mm - nie mniej niż 95%  
Gęstość nasypowa: 0,98 – 1,06 kg/dm<sup>3</sup> N

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy |                  | Wysiew graniczny       |                          |                  | Rozsiew przy rowach    |                          |                  |  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|------------------|------------------------|--------------------------|------------------|--|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |  |
| 12                | ŁD I - 3,4                  | ŁK I - 2,3  | 540 obr/min | 20             | 60                 | 80               | -2                     | -45%                     | 100              | -3                     | -60%                     | 380 obr/min      |  |
| 15                | ŁD I - 3,4                  | ŁK I - 4    | 540 obr/min | 25             | 60                 | 80               | -2                     | -45%                     | 100              | -3                     | -60%                     | -                |  |
| 16                | ŁD I - 4                    | ŁK I - 3,3  | 540 obr/min | 25             | 60                 | 80               | -2                     | -45%                     | 100              | -3                     | -60%                     | -                |  |
| 18                | ŁD I - 5                    | ŁK I - 3    | 540 obr/min | 30             | 0                  | 70               | -1                     | -25%                     | 90               | -2                     | -45%                     | -                |  |
|                   | ŁD II - 0                   | ŁK II - 2,2 | 540 obr/min | 30             | 60                 | 80               | -2                     | -45%                     | 100              | -3                     | -60%                     | -                |  |
| 20                | ŁD I - 4                    | ŁK I - 4    | 540 obr/min | 35             | 0                  | 60               | -1                     | -25%                     | 80               | -2                     | -45%                     | -                |  |
|                   | ŁD II - 1                   | ŁK II - 4   | 540 obr/min | 30             | 60                 | 80               | -2                     | -45%                     | 100              | -3                     | -60%                     | -                |  |
| 21                | ŁD I - 5                    | ŁK I - 3,2  | 540 obr/min | 35             | 0                  | 60               | -1                     | -25%                     | 80               | -2                     | -45%                     | -                |  |
|                   | ŁD II - 1,3                 | ŁK II - 3,3 | 540 obr/min | 30             | 60                 | 70               | -1                     | -25%                     | 100              | -2                     | -45%                     | -                |  |
| 24                | ŁD I - 6                    | ŁK I - 3,2  | 540 obr/min | 40             | 0                  | 50               | -1                     | -25%                     | 70               | -2                     | -45%                     | -                |  |
|                   | ŁD II - 4                   | ŁK II - 3,1 | 540 obr/min | 35             | 0                  | 60               | -1                     | -25%                     | 90               | -2                     | -45%                     | -                |  |
| 27                | ŁD II - 6                   | ŁK II - 2,2 | 540 obr/min | 40             | 0                  | 50               | -1                     | -25%                     | 70               | -2,5                   | -55%                     | -                |  |
| 28                | ŁD II - 6                   | ŁK II - 2,4 | 540 obr/min | 45             | 0                  | 40               | -1                     | -25%                     | 70               | -2                     | -45%                     | -                |  |
| 30                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                | -                      | -                        | -                |  |
| 32                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                | -                      | -                        | -                |  |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka





# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki I



**N 46 Mocznik PULGRAN**

**Grupa Azoty Zakłady Azotowe „Puławy” S.A.**

Zawartość azotu w formie amidowej (N): 46%  
Zawartość biuretu: nie więcej niż 1,2%  
Skład ziarnowy: 3-5 mm, min. 90%.

| Szerokość robocza        | 12 m                  |      |     |     |     |     | 15 m                  |     |     |     |     |     | 16 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ED I - 3,3            |      |     |     |     |     | ED I - 3,3            |     |     |     |     |     | ED I - 3,3            |     |     |     |     |     |
|                          | ŁK I - 1,3            |      |     |     |     |     | ŁK I - 2              |     |     |     |     |     | ŁK I - 2,2            |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 47                    | 35   | 28  | 24  | 20  | 18  | 38                    | 28  | 23  | 19  | 16  | 14  | 35                    | 27  | 21  | 18  | 15  | 13  |
| 4,5                      | 62                    | 46   | 37  | 31  | 26  | 23  | 49                    | 37  | 30  | 25  | 21  | 19  | 46                    | 35  | 28  | 23  | 20  | 17  |
| 5                        | 75                    | 56   | 45  | 37  | 32  | 28  | 60                    | 45  | 36  | 30  | 26  | 22  | 56                    | 42  | 34  | 28  | 24  | 21  |
| 5,5                      | 94                    | 71   | 57  | 47  | 40  | 35  | 75                    | 57  | 45  | 38  | 32  | 28  | 71                    | 53  | 42  | 35  | 30  | 27  |
| 6                        | 111                   | 83   | 67  | 56  | 48  | 42  | 89                    | 67  | 53  | 45  | 38  | 33  | 83                    | 63  | 50  | 42  | 36  | 31  |
| 6,5                      | 139                   | 104  | 83  | 69  | 59  | 52  | 111                   | 83  | 67  | 55  | 48  | 42  | 104                   | 78  | 62  | 52  | 45  | 39  |
| 7                        | 164                   | 123  | 98  | 82  | 70  | 61  | 131                   | 98  | 79  | 66  | 56  | 49  | 123                   | 92  | 74  | 61  | 53  | 46  |
| 7,5                      | 191                   | 143  | 114 | 95  | 82  | 71  | 152                   | 114 | 91  | 76  | 65  | 57  | 143                   | 107 | 86  | 71  | 61  | 54  |
| 8                        | 224                   | 168  | 134 | 112 | 96  | 84  | 179                   | 134 | 107 | 89  | 77  | 67  | 168                   | 126 | 101 | 84  | 72  | 63  |
| 8,5                      | 261                   | 196  | 157 | 131 | 112 | 98  | 209                   | 157 | 125 | 105 | 90  | 78  | 196                   | 147 | 118 | 98  | 84  | 74  |
| 9                        | 306                   | 230  | 184 | 153 | 131 | 115 | 245                   | 184 | 147 | 122 | 105 | 92  | 230                   | 172 | 138 | 115 | 98  | 86  |
| 9,5                      | 346                   | 260  | 208 | 173 | 148 | 130 | 277                   | 208 | 166 | 138 | 119 | 104 | 260                   | 195 | 156 | 130 | 111 | 97  |
| 10                       | 393                   | 295  | 236 | 197 | 168 | 147 | 314                   | 236 | 189 | 157 | 135 | 118 | 295                   | 221 | 177 | 147 | 126 | 111 |
| 10,5                     | 445                   | 334  | 267 | 222 | 191 | 167 | 356                   | 267 | 214 | 178 | 153 | 133 | 334                   | 250 | 200 | 167 | 143 | 125 |
| 11                       | 504                   | 378  | 303 | 252 | 216 | 189 | 403                   | 303 | 242 | 202 | 173 | 151 | 378                   | 284 | 227 | 189 | 162 | 142 |
| 11,5                     | 586                   | 440  | 352 | 293 | 251 | 220 | 469                   | 352 | 281 | 234 | 201 | 176 | 440                   | 330 | 264 | 220 | 188 | 165 |
| 12                       | 649                   | 487  | 390 | 325 | 278 | 243 | 519                   | 390 | 312 | 260 | 223 | 195 | 487                   | 365 | 292 | 243 | 209 | 183 |
| 12,5                     | 679                   | 509  | 407 | 339 | 291 | 255 | 543                   | 407 | 326 | 272 | 233 | 204 | 509                   | 382 | 305 | 255 | 218 | 191 |
| 13                       | 746                   | 559  | 447 | 373 | 320 | 280 | 596                   | 447 | 358 | 298 | 256 | 224 | 559                   | 419 | 336 | 280 | 240 | 210 |
| 13,5                     | 838                   | 628  | 503 | 419 | 359 | 314 | 670                   | 503 | 402 | 335 | 287 | 251 | 628                   | 471 | 377 | 314 | 269 | 236 |
| 14                       | 900                   | 675  | 540 | 450 | 386 | 338 | 720                   | 540 | 432 | 360 | 309 | 270 | 675                   | 506 | 405 | 338 | 289 | 253 |
| 14,5                     | 967                   | 726  | 580 | 484 | 415 | 363 | 774                   | 580 | 464 | 387 | 332 | 290 | 726                   | 544 | 435 | 363 | 311 | 272 |
| 15                       | 1066                  | 800  | 640 | 533 | 457 | 400 | 853                   | 640 | 512 | 427 | 366 | 320 | 800                   | 600 | 480 | 400 | 343 | 300 |
| 15,5                     | 1157                  | 867  | 694 | 578 | 496 | 434 | 925                   | 694 | 555 | 463 | 397 | 347 | 867                   | 651 | 520 | 434 | 372 | 325 |
| 16                       | 1258                  | 943  | 755 | 629 | 539 | 472 | 1006                  | 755 | 604 | 503 | 431 | 377 | 943                   | 707 | 566 | 472 | 404 | 354 |
| 16,5                     | 1360                  | 1020 | 816 | 680 | 583 | 510 | 1088                  | 816 | 653 | 544 | 466 | 408 | 1020                  | 765 | 612 | 510 | 437 | 383 |
| 17                       | 1468                  | 1101 | 881 | 734 | 629 | 551 | 1174                  | 881 | 705 | 587 | 503 | 440 | 1101                  | 826 | 661 | 551 | 472 | 413 |
| 17,5                     | 1606                  | 1204 | 963 | 803 | 688 | 602 | 1284                  | 963 | 771 | 642 | 550 | 482 | 1204                  | 903 | 723 | 602 | 516 | 452 |
| 18                       | 1624                  | 1218 | 974 | 812 | 696 | 609 | 1299                  | 974 | 779 | 649 | 557 | 487 | 1218                  | 913 | 731 | 609 | 522 | 457 |
| 18,5                     | 1664                  | 1248 | 998 | 832 | 713 | 624 | 1331                  | 998 | 799 | 666 | 571 | 499 | 1248                  | 936 | 749 | 624 | 535 | 468 |

ED I - Łopatka I długa  
ED II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



**N 46 Mocznik PULGRAN**

**Grupa Azoty Zakłady Azotowe „Puławy” S.A.**

Zawartość azotu w formie amidowej (N): 46%  
Zawartość biuretu: nie więcej niż 1,2%  
Skład ziarnowy: 3-5 mm, min. 90%.

| Szerokość robocza        | 18 m                  |     |     |     |     |     | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 4              |     |     |     |     |     | ŁD I - 4              |     |     |     |     |     | ŁD I - 4              |     |     |     |     |     |
|                          | ŁK I - 2,4            |     |     |     |     |     | ŁK I - 3              |     |     |     |     |     | ŁK I - 3,3            |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 600 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 32                    | 24  | 19  | 16  | 14  | 12  | 28                    | 21  | 17  | 14  | 12  | 11  | 27                    | 20  | 16  | 14  | 12  | 10  |
| 4,5                      | 41                    | 31  | 25  | 21  | 18  | 15  | 37                    | 28  | 22  | 19  | 16  | 14  | 35                    | 26  | 21  | 18  | 15  | 13  |
| 5                        | 50                    | 37  | 30  | 25  | 21  | 19  | 45                    | 34  | 27  | 22  | 19  | 17  | 43                    | 32  | 26  | 21  | 18  | 16  |
| 5,5                      | 63                    | 47  | 38  | 31  | 27  | 24  | 57                    | 42  | 34  | 28  | 24  | 21  | 54                    | 40  | 32  | 27  | 23  | 20  |
| 6                        | 74                    | 56  | 45  | 37  | 32  | 28  | 67                    | 50  | 40  | 33  | 29  | 25  | 64                    | 48  | 38  | 32  | 27  | 24  |
| 6,5                      | 92                    | 69  | 55  | 46  | 40  | 35  | 83                    | 62  | 50  | 42  | 36  | 31  | 79                    | 59  | 48  | 40  | 34  | 30  |
| 7                        | 109                   | 82  | 66  | 55  | 47  | 41  | 98                    | 74  | 59  | 49  | 42  | 37  | 94                    | 70  | 56  | 47  | 40  | 35  |
| 7,5                      | 127                   | 95  | 76  | 64  | 54  | 48  | 114                   | 86  | 69  | 57  | 49  | 43  | 109                   | 82  | 65  | 54  | 47  | 41  |
| 8                        | 149                   | 112 | 89  | 75  | 64  | 56  | 134                   | 101 | 81  | 67  | 58  | 50  | 128                   | 96  | 77  | 64  | 55  | 48  |
| 8,5                      | 174                   | 131 | 105 | 87  | 75  | 65  | 157                   | 118 | 94  | 78  | 67  | 59  | 149                   | 112 | 90  | 75  | 64  | 56  |
| 9                        | 204                   | 153 | 122 | 102 | 87  | 77  | 184                   | 138 | 110 | 92  | 79  | 69  | 175                   | 131 | 105 | 87  | 75  | 66  |
| 9,5                      | 231                   | 173 | 138 | 115 | 99  | 87  | 208                   | 156 | 125 | 104 | 89  | 78  | 198                   | 148 | 119 | 99  | 85  | 74  |
| 10                       | 262                   | 197 | 157 | 131 | 112 | 98  | 236                   | 177 | 141 | 118 | 101 | 88  | 225                   | 168 | 135 | 112 | 96  | 84  |
| 10,5                     | 297                   | 222 | 178 | 148 | 127 | 111 | 267                   | 200 | 160 | 133 | 114 | 100 | 254                   | 191 | 153 | 127 | 109 | 95  |
| 11                       | 336                   | 252 | 202 | 168 | 144 | 126 | 303                   | 227 | 182 | 151 | 130 | 113 | 288                   | 216 | 173 | 144 | 123 | 108 |
| 11,5                     | 391                   | 293 | 234 | 195 | 167 | 147 | 352                   | 264 | 211 | 176 | 151 | 132 | 335                   | 251 | 201 | 167 | 144 | 126 |
| 12                       | 433                   | 325 | 260 | 216 | 185 | 162 | 390                   | 292 | 234 | 195 | 167 | 146 | 371                   | 278 | 223 | 185 | 159 | 139 |
| 12,5                     | 453                   | 339 | 272 | 226 | 194 | 170 | 407                   | 305 | 244 | 204 | 175 | 153 | 388                   | 291 | 233 | 194 | 166 | 145 |
| 13                       | 497                   | 373 | 298 | 249 | 213 | 186 | 447                   | 336 | 268 | 224 | 192 | 168 | 426                   | 320 | 256 | 213 | 183 | 160 |
| 13,5                     | 559                   | 419 | 335 | 279 | 239 | 209 | 503                   | 377 | 302 | 251 | 215 | 189 | 479                   | 359 | 287 | 239 | 205 | 180 |
| 14                       | 600                   | 450 | 360 | 300 | 257 | 225 | 540                   | 405 | 324 | 270 | 231 | 203 | 514                   | 386 | 309 | 257 | 220 | 193 |
| 14,5                     | 645                   | 484 | 387 | 322 | 276 | 242 | 580                   | 435 | 348 | 290 | 249 | 218 | 553                   | 415 | 332 | 276 | 237 | 207 |
| 15                       | 711                   | 533 | 427 | 355 | 305 | 267 | 640                   | 480 | 384 | 320 | 274 | 240 | 609                   | 457 | 366 | 305 | 261 | 229 |
| 15,5                     | 771                   | 578 | 463 | 386 | 330 | 289 | 694                   | 520 | 416 | 347 | 297 | 260 | 661                   | 496 | 397 | 330 | 283 | 248 |
| 16                       | 839                   | 629 | 503 | 419 | 359 | 314 | 755                   | 566 | 453 | 377 | 323 | 283 | 719                   | 539 | 431 | 359 | 308 | 270 |
| 16,5                     | 907                   | 680 | 544 | 453 | 389 | 340 | 816                   | 612 | 490 | 408 | 350 | 306 | 777                   | 583 | 466 | 389 | 333 | 291 |
| 17                       | 979                   | 734 | 587 | 489 | 419 | 367 | 881                   | 661 | 528 | 440 | 377 | 330 | 839                   | 629 | 503 | 419 | 360 | 315 |
| 17,5                     | 1070                  | 803 | 642 | 535 | 459 | 401 | 963                   | 723 | 578 | 482 | 413 | 361 | 917                   | 688 | 550 | 459 | 393 | 344 |
| 18                       | 1082                  | 812 | 649 | 541 | 464 | 406 | 974                   | 731 | 584 | 487 | 417 | 365 | 928                   | 696 | 557 | 464 | 398 | 348 |
| 18,5                     | 1109                  | 832 | 666 | 555 | 475 | 416 | 998                   | 749 | 599 | 499 | 428 | 374 | 951                   | 713 | 571 | 475 | 408 | 357 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**N 46 Mocznik PULGRAN**

**Grupa Azoty Zakłady Azotowe „Puławy” S.A.**

Zawartość azotu w formie amidowej (N): 46%  
Zawartość biuretu: nie więcej niż 1,2%  
Skład ziarnowy: 3-5 mm, min. 90%.

| Szerokość robocza        | 18 m                  |     |     |     |     |     | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 0,4           |     |     |     |     |     | ŁD II - 2,3           |     |     |     |     |     | ŁD II - 2,5           |     |     |     |     |     |
|                          | ŁK II - 3,3           |     |     |     |     |     | ŁK II - 2,2           |     |     |     |     |     | ŁK II - 2             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 32                    | 24  | 19  | 16  | 14  | 12  | 28                    | 21  | 17  | 14  | 12  | 11  | 27                    | 20  | 16  | 14  | 12  | 10  |
| 4,5                      | 41                    | 31  | 25  | 21  | 18  | 15  | 37                    | 28  | 22  | 19  | 16  | 14  | 35                    | 26  | 21  | 18  | 15  | 13  |
| 5                        | 50                    | 37  | 30  | 25  | 21  | 19  | 45                    | 34  | 27  | 22  | 19  | 17  | 43                    | 32  | 26  | 21  | 18  | 16  |
| 5,5                      | 63                    | 47  | 38  | 31  | 27  | 24  | 57                    | 42  | 34  | 28  | 24  | 21  | 54                    | 40  | 32  | 27  | 23  | 20  |
| 6                        | 74                    | 56  | 45  | 37  | 32  | 28  | 67                    | 50  | 40  | 33  | 29  | 25  | 64                    | 48  | 38  | 32  | 27  | 24  |
| 6,5                      | 92                    | 69  | 55  | 46  | 40  | 35  | 83                    | 62  | 50  | 42  | 36  | 31  | 79                    | 59  | 48  | 40  | 34  | 30  |
| 7                        | 109                   | 82  | 66  | 55  | 47  | 41  | 98                    | 74  | 59  | 49  | 42  | 37  | 94                    | 70  | 56  | 47  | 40  | 35  |
| 7,5                      | 127                   | 95  | 76  | 64  | 54  | 48  | 114                   | 86  | 69  | 57  | 49  | 43  | 109                   | 82  | 65  | 54  | 47  | 41  |
| 8                        | 149                   | 112 | 89  | 75  | 64  | 56  | 134                   | 101 | 81  | 67  | 58  | 50  | 128                   | 96  | 77  | 64  | 55  | 48  |
| 8,5                      | 174                   | 131 | 105 | 87  | 75  | 65  | 157                   | 118 | 94  | 78  | 67  | 59  | 149                   | 112 | 90  | 75  | 64  | 56  |
| 9                        | 204                   | 153 | 122 | 102 | 87  | 77  | 184                   | 138 | 110 | 92  | 79  | 69  | 175                   | 131 | 105 | 87  | 75  | 66  |
| 9,5                      | 231                   | 173 | 138 | 115 | 99  | 87  | 208                   | 156 | 125 | 104 | 89  | 78  | 198                   | 148 | 119 | 99  | 85  | 74  |
| 10                       | 262                   | 197 | 157 | 131 | 112 | 98  | 236                   | 177 | 141 | 118 | 101 | 88  | 225                   | 168 | 135 | 112 | 96  | 84  |
| 10,5                     | 297                   | 222 | 178 | 148 | 127 | 111 | 267                   | 200 | 160 | 133 | 114 | 100 | 254                   | 191 | 153 | 127 | 109 | 95  |
| 11                       | 336                   | 252 | 202 | 168 | 144 | 126 | 303                   | 227 | 182 | 151 | 130 | 113 | 288                   | 216 | 173 | 144 | 123 | 108 |
| 11,5                     | 391                   | 293 | 234 | 195 | 167 | 147 | 352                   | 264 | 211 | 176 | 151 | 132 | 335                   | 251 | 201 | 167 | 144 | 126 |
| 12                       | 433                   | 325 | 260 | 216 | 185 | 162 | 390                   | 292 | 234 | 195 | 167 | 146 | 371                   | 278 | 223 | 185 | 159 | 139 |
| 12,5                     | 453                   | 339 | 272 | 226 | 194 | 170 | 407                   | 305 | 244 | 204 | 175 | 153 | 388                   | 291 | 233 | 194 | 166 | 145 |
| 13                       | 497                   | 373 | 298 | 249 | 213 | 186 | 447                   | 336 | 268 | 224 | 192 | 168 | 426                   | 320 | 256 | 213 | 183 | 160 |
| 13,5                     | 559                   | 419 | 335 | 279 | 239 | 209 | 503                   | 377 | 302 | 251 | 215 | 189 | 479                   | 359 | 287 | 239 | 205 | 180 |
| 14                       | 600                   | 450 | 360 | 300 | 257 | 225 | 540                   | 405 | 324 | 270 | 231 | 203 | 514                   | 386 | 309 | 257 | 220 | 193 |
| 14,5                     | 645                   | 484 | 387 | 322 | 276 | 242 | 580                   | 435 | 348 | 290 | 249 | 218 | 553                   | 415 | 332 | 276 | 237 | 207 |
| 15                       | 711                   | 533 | 427 | 355 | 305 | 267 | 640                   | 480 | 384 | 320 | 274 | 240 | 609                   | 457 | 366 | 305 | 261 | 229 |
| 15,5                     | 771                   | 578 | 463 | 386 | 330 | 289 | 694                   | 520 | 416 | 347 | 297 | 260 | 661                   | 496 | 397 | 330 | 283 | 248 |
| 16                       | 839                   | 629 | 503 | 419 | 359 | 314 | 755                   | 566 | 453 | 377 | 323 | 283 | 719                   | 539 | 431 | 359 | 308 | 270 |
| 16,5                     | 907                   | 680 | 544 | 453 | 389 | 340 | 816                   | 612 | 490 | 408 | 350 | 306 | 777                   | 583 | 466 | 389 | 333 | 291 |
| 17                       | 979                   | 734 | 587 | 489 | 419 | 367 | 881                   | 661 | 528 | 440 | 377 | 330 | 839                   | 629 | 503 | 419 | 360 | 315 |
| 17,5                     | 1070                  | 803 | 642 | 535 | 459 | 401 | 963                   | 723 | 578 | 482 | 413 | 361 | 917                   | 688 | 550 | 459 | 393 | 344 |
| 18                       | 1082                  | 812 | 649 | 541 | 464 | 406 | 974                   | 731 | 584 | 487 | 417 | 365 | 928                   | 696 | 557 | 464 | 398 | 348 |
| 18,5                     | 1109                  | 832 | 666 | 555 | 475 | 416 | 998                   | 749 | 599 | 499 | 428 | 374 | 951                   | 713 | 571 | 475 | 408 | 357 |

ŁD I - Łopatka I długa  
 ŁD II - Łopatka II długa  
 ŁK I - Łopatka I krótka  
 ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatki II



**N 46 Mocznik PULGRAN**

**Grupa Azoty Zakłady Azotowe „Puławy” S.A.**

Zawartość azotu w formie amidowej (N): 46%  
Zawartość biuretu: nie więcej niż 1,2%  
Skład ziarnowy: 3-5 mm, min. 90%.

| Szerokość robocza        | 24 m                  |     |     |     |     |     | 27 m                  |     |     |     |     |     | 28 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 3,5           |     |     |     |     |     | ŁD II - 4             |     |     |     |     |     | ŁD II - 4             |     |     |     |     |     |
|                          | ŁK II - 2             |     |     |     |     |     | ŁK II - 2,3           |     |     |     |     |     | ŁK II - 2,4           |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 24                    | 18  | 14  | 12  | 10  | 9   | 21                    | 16  | 13  | 11  | 9   | 8   | 20                    | 15  | 12  | 10  | 9   | 8   |
| 4,5                      | 31                    | 23  | 19  | 15  | 13  | 12  | 27                    | 21  | 16  | 14  | 12  | 10  | 26                    | 20  | 16  | 13  | 11  | 10  |
| 5                        | 37                    | 28  | 22  | 19  | 16  | 14  | 33                    | 25  | 20  | 17  | 14  | 12  | 32                    | 24  | 19  | 16  | 14  | 12  |
| 5,5                      | 47                    | 35  | 28  | 24  | 20  | 18  | 42                    | 31  | 25  | 21  | 18  | 16  | 40                    | 30  | 24  | 20  | 17  | 15  |
| 6                        | 56                    | 42  | 33  | 28  | 24  | 21  | 49                    | 37  | 30  | 25  | 21  | 19  | 48                    | 36  | 29  | 24  | 20  | 18  |
| 6,5                      | 69                    | 52  | 42  | 35  | 30  | 26  | 62                    | 46  | 37  | 31  | 26  | 23  | 59                    | 45  | 36  | 30  | 25  | 22  |
| 7                        | 82                    | 61  | 49  | 41  | 35  | 31  | 73                    | 55  | 44  | 36  | 31  | 27  | 70                    | 53  | 42  | 35  | 30  | 26  |
| 7,5                      | 95                    | 71  | 57  | 48  | 41  | 36  | 85                    | 64  | 51  | 42  | 36  | 32  | 82                    | 61  | 49  | 41  | 35  | 31  |
| 8                        | 112                   | 84  | 67  | 56  | 48  | 42  | 99                    | 75  | 60  | 50  | 43  | 37  | 96                    | 72  | 58  | 48  | 41  | 36  |
| 8,5                      | 131                   | 98  | 78  | 65  | 56  | 49  | 116                   | 87  | 70  | 58  | 50  | 44  | 112                   | 84  | 67  | 56  | 48  | 42  |
| 9                        | 153                   | 115 | 92  | 77  | 66  | 57  | 136                   | 102 | 82  | 68  | 58  | 51  | 131                   | 98  | 79  | 66  | 56  | 49  |
| 9,5                      | 173                   | 130 | 104 | 87  | 74  | 65  | 154                   | 115 | 92  | 77  | 66  | 58  | 148                   | 111 | 89  | 74  | 64  | 56  |
| 10                       | 197                   | 147 | 118 | 98  | 84  | 74  | 175                   | 131 | 105 | 87  | 75  | 66  | 168                   | 126 | 101 | 84  | 72  | 63  |
| 10,5                     | 222                   | 167 | 133 | 111 | 95  | 83  | 198                   | 148 | 119 | 99  | 85  | 74  | 191                   | 143 | 114 | 95  | 82  | 72  |
| 11                       | 252                   | 189 | 151 | 126 | 108 | 95  | 224                   | 168 | 134 | 112 | 96  | 84  | 216                   | 162 | 130 | 108 | 93  | 81  |
| 11,5                     | 293                   | 220 | 176 | 147 | 126 | 110 | 260                   | 195 | 156 | 130 | 112 | 98  | 251                   | 188 | 151 | 126 | 108 | 94  |
| 12                       | 325                   | 243 | 195 | 162 | 139 | 122 | 289                   | 216 | 173 | 144 | 124 | 108 | 278                   | 209 | 167 | 139 | 119 | 104 |
| 12,5                     | 339                   | 255 | 204 | 170 | 145 | 127 | 302                   | 226 | 181 | 151 | 129 | 113 | 291                   | 218 | 175 | 145 | 125 | 109 |
| 13                       | 373                   | 280 | 224 | 186 | 160 | 140 | 331                   | 249 | 199 | 166 | 142 | 124 | 320                   | 240 | 192 | 160 | 137 | 120 |
| 13,5                     | 419                   | 314 | 251 | 209 | 180 | 157 | 372                   | 279 | 223 | 186 | 160 | 140 | 359                   | 269 | 215 | 180 | 154 | 135 |
| 14                       | 450                   | 338 | 270 | 225 | 193 | 169 | 400                   | 300 | 240 | 200 | 171 | 150 | 386                   | 289 | 231 | 193 | 165 | 145 |
| 14,5                     | 484                   | 363 | 290 | 242 | 207 | 181 | 430                   | 322 | 258 | 215 | 184 | 161 | 415                   | 311 | 249 | 207 | 178 | 155 |
| 15                       | 533                   | 400 | 320 | 267 | 229 | 200 | 474                   | 355 | 284 | 237 | 203 | 178 | 457                   | 343 | 274 | 229 | 196 | 171 |
| 15,5                     | 578                   | 434 | 347 | 289 | 248 | 217 | 514                   | 386 | 308 | 257 | 220 | 193 | 496                   | 372 | 297 | 248 | 212 | 186 |
| 16                       | 629                   | 472 | 377 | 314 | 270 | 236 | 559                   | 419 | 335 | 280 | 240 | 210 | 539                   | 404 | 323 | 270 | 231 | 202 |
| 16,5                     | 680                   | 510 | 408 | 340 | 291 | 255 | 604                   | 453 | 363 | 302 | 259 | 227 | 583                   | 437 | 350 | 291 | 250 | 219 |
| 17                       | 734                   | 551 | 440 | 367 | 315 | 275 | 652                   | 489 | 391 | 326 | 280 | 245 | 629                   | 472 | 377 | 315 | 270 | 236 |
| 17,5                     | 803                   | 602 | 482 | 401 | 344 | 301 | 714                   | 535 | 428 | 357 | 306 | 268 | 688                   | 516 | 413 | 344 | 295 | 258 |
| 18                       | 812                   | 609 | 487 | 406 | 348 | 304 | 722                   | 541 | 433 | 361 | 309 | 271 | 696                   | 522 | 417 | 348 | 298 | 261 |
| 18,5                     | 832                   | 624 | 499 | 416 | 357 | 312 | 740                   | 555 | 444 | 370 | 317 | 277 | 713                   | 535 | 428 | 357 | 306 | 267 |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**N 46 Mocznik PULGRAN**

**Grupa Azoty Zakłady Azotowe „Puławy” S.A.**

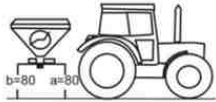
Zawartość azotu w formie amidowej (N): 46%  
Zawartość biuretu: nie więcej niż 1,2%  
Skład ziarnowy: 3-5 mm, min. 90%.

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy |                  | Wysiew graniczny       |                          |                  | Rozsiew przy rowach    |                          |                  |  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|------------------|------------------------|--------------------------|------------------|--|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |  |
| 12                | ŁD I - 3,3                  | ŁK I - 1,3  | 540 obr/min | 20             | 50                 | 80               | -1,5                   | -35%                     | 100              | -3                     | -60%                     | -                |  |
| 15                | ŁD I - 3,3                  | ŁK I - 2    | 540 obr/min | 25             | 50                 | 80               | -1,5                   | -35%                     | 100              | -3                     | -60%                     | -                |  |
| 16                | ŁD I - 3,3                  | ŁK I - 2,2  | 540 obr/min | 25             | 50                 | 80               | -1                     | -25%                     | 90               | -3                     | -60%                     | -                |  |
| 18                | ŁD I - 4                    | ŁK I - 2,4  | 540 obr/min | 30             | 50                 | 80               | -1,5                   | -35%                     | 100              | -3                     | -60%                     | -                |  |
|                   | ŁD II - 0,4                 | ŁK II - 3,3 | 540 obr/min | 30             | 60                 | 70               | -1                     | -25%                     | 80               | -2                     | -45%                     | -                |  |
| 20                | ŁD I - 4                    | ŁK I - 3    | 540 obr/min | 30             | 0                  | 60               | -1                     | -25%                     | 90               | -2                     | -45%                     | -                |  |
|                   | ŁD II - 2,3                 | ŁK II - 2,2 | 540 obr/min | 30             | 50                 | 60               | -1                     | -25%                     | 70               | -2                     | -45%                     | -                |  |
| 21                | ŁD I - 4                    | ŁK I - 3,3  | 540 obr/min | 35             | 0                  | 60               | -1                     | -25%                     | 90               | -2                     | -45%                     | -                |  |
|                   | ŁD II - 2,5                 | ŁK II - 2   | 540 obr/min | 40             | 50                 | 60               | -1                     | -25%                     | 70               | -1,5                   | -35%                     | -                |  |
| 24                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                | -                      | -                        | -                |  |
|                   | ŁD II - 3,5                 | ŁK II - 2   | 540 obr/min | 45             | 50                 | 60               | -1                     | -25%                     | 90               | -1                     | -25%                     | -                |  |
| 27                | ŁD II - 4                   | ŁK II - 2,3 | 540 obr/min | 45             | 0                  | 60               | -1                     | -25%                     | 70               | -1                     | -25%                     | -                |  |
| 28                | ŁD II - 4                   | ŁK II - 2,4 | 540 obr/min | 45             | 0                  | 60               | -1                     | -25%                     | 70               | -1                     | -25%                     | -                |  |
| 30                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                | -                      | -                        | -                |  |
| 32                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                | -                      | -                        | -                |  |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka







# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Łopatki I



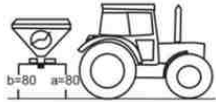
### N 46 Mocznik PULREA

Grupa Azoty Zakłady Azotowe „Puławy” S.A.

Zawartość azotu w formie amidowej (N): 46%  
Skład ziarnowy: 1-4mm, min. 90%  
Gęstość nasypowa: 0,70 – 0,78 kg/dm<sup>3</sup>

| Szerokość robocza        | 12 m                  |      |      |     |     |     | 15 m                  |      |     |     |     |     | 16 m                  |      |     |     |     |     | 18 m                  |     |     |     |     |     | 20 m                  |     |     |     |     |     |
|--------------------------|-----------------------|------|------|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD I - 3,4            |      |      |     |     |     | ŁD I - 3,4            |      |     |     |     |     | ŁD I - 3,4            |      |     |     |     |     | ŁD I - 5              |     |     |     |     |     | ŁD I - 6              |     |     |     |     |     |
|                          | ŁK I - 1,4            |      |      |     |     |     | ŁK I - 3              |      |     |     |     |     | ŁK I - 3,2            |      |     |     |     |     | ŁK I - 3              |     |     |     |     |     | ŁK I - 3,1            |     |     |     |     |     |
| Obroty                   | 540 obr/min           |      |      |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |      |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |      |      |     |     |     |                       |      |     |     |     |     |                       |      |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |      |      |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |      |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8    | 10   | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8    | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 73                    | 55   | 44   | 36  | 31  | 27  | 58                    | 44   | 35  | 29  | 25  | 22  | 55                    | 41   | 33  | 27  | 23  | 20  | 49                    | 36  | 29  | 24  | 21  | 18  | 44                    | 33  | 26  | 22  | 19  | 16  |
| 4,5                      | 90                    | 67   | 54   | 45  | 39  | 34  | 72                    | 54   | 43  | 36  | 31  | 27  | 67                    | 51   | 40  | 34  | 29  | 25  | 60                    | 45  | 36  | 30  | 26  | 22  | 54                    | 40  | 32  | 27  | 23  | 20  |
| 5                        | 108                   | 81   | 65   | 54  | 46  | 41  | 86                    | 65   | 52  | 43  | 37  | 32  | 81                    | 61   | 49  | 41  | 35  | 30  | 72                    | 54  | 43  | 36  | 31  | 27  | 65                    | 49  | 39  | 32  | 28  | 24  |
| 5,5                      | 133                   | 100  | 80   | 66  | 57  | 50  | 106                   | 80   | 64  | 53  | 45  | 40  | 100                   | 75   | 60  | 50  | 43  | 37  | 88                    | 66  | 53  | 44  | 38  | 33  | 80                    | 60  | 48  | 40  | 34  | 30  |
| 6                        | 158                   | 119  | 95   | 79  | 68  | 59  | 127                   | 95   | 76  | 63  | 54  | 47  | 119                   | 89   | 71  | 59  | 51  | 44  | 105                   | 79  | 63  | 53  | 45  | 40  | 95                    | 71  | 57  | 47  | 41  | 36  |
| 6,5                      | 188                   | 141  | 113  | 94  | 80  | 70  | 150                   | 113  | 90  | 75  | 64  | 56  | 141                   | 106  | 85  | 70  | 60  | 53  | 125                   | 94  | 75  | 63  | 54  | 47  | 113                   | 85  | 68  | 56  | 48  | 42  |
| 7                        | 221                   | 166  | 133  | 110 | 95  | 83  | 177                   | 133  | 106 | 88  | 76  | 66  | 166                   | 124  | 99  | 83  | 71  | 62  | 147                   | 110 | 88  | 74  | 63  | 55  | 133                   | 99  | 80  | 66  | 57  | 50  |
| 7,5                      | 257                   | 192  | 154  | 128 | 110 | 96  | 205                   | 154  | 123 | 103 | 88  | 77  | 192                   | 144  | 115 | 96  | 82  | 72  | 171                   | 128 | 103 | 86  | 73  | 64  | 154                   | 115 | 92  | 77  | 66  | 58  |
| 8                        | 302                   | 226  | 181  | 151 | 129 | 113 | 241                   | 181  | 145 | 121 | 103 | 90  | 226                   | 170  | 136 | 113 | 97  | 85  | 201                   | 151 | 121 | 101 | 86  | 75  | 181                   | 136 | 109 | 90  | 78  | 68  |
| 8,5                      | 345                   | 259  | 207  | 173 | 148 | 130 | 276                   | 207  | 166 | 138 | 118 | 104 | 259                   | 194  | 155 | 130 | 111 | 97  | 230                   | 173 | 138 | 115 | 99  | 86  | 207                   | 155 | 124 | 104 | 89  | 78  |
| 9                        | 392                   | 294  | 235  | 196 | 168 | 147 | 313                   | 235  | 188 | 157 | 134 | 118 | 294                   | 220  | 176 | 147 | 126 | 110 | 261                   | 196 | 157 | 131 | 112 | 98  | 235                   | 176 | 141 | 118 | 101 | 88  |
| 9,5                      | 442                   | 332  | 265  | 221 | 189 | 166 | 354                   | 265  | 212 | 177 | 152 | 133 | 332                   | 249  | 199 | 166 | 142 | 124 | 295                   | 221 | 177 | 147 | 126 | 111 | 265                   | 199 | 159 | 133 | 114 | 99  |
| 10                       | 506                   | 379  | 303  | 253 | 217 | 190 | 405                   | 303  | 243 | 202 | 173 | 152 | 379                   | 284  | 228 | 190 | 163 | 142 | 337                   | 253 | 202 | 169 | 144 | 126 | 303                   | 228 | 182 | 152 | 130 | 114 |
| 10,5                     | 561                   | 421  | 337  | 281 | 241 | 210 | 449                   | 337  | 269 | 224 | 192 | 168 | 421                   | 316  | 253 | 210 | 180 | 158 | 374                   | 281 | 224 | 187 | 160 | 140 | 337                   | 253 | 202 | 168 | 144 | 126 |
| 11                       | 636                   | 477  | 382  | 318 | 273 | 239 | 509                   | 382  | 305 | 255 | 218 | 191 | 477                   | 358  | 286 | 239 | 205 | 179 | 424                   | 318 | 255 | 212 | 182 | 159 | 382                   | 286 | 229 | 191 | 164 | 143 |
| 11,5                     | 697                   | 522  | 418  | 348 | 299 | 261 | 557                   | 418  | 334 | 279 | 239 | 209 | 522                   | 392  | 313 | 261 | 224 | 196 | 464                   | 348 | 279 | 232 | 199 | 174 | 418                   | 313 | 251 | 209 | 179 | 157 |
| 12                       | 776                   | 582  | 466  | 388 | 333 | 291 | 621                   | 466  | 373 | 310 | 266 | 233 | 582                   | 437  | 349 | 291 | 249 | 218 | 517                   | 388 | 310 | 259 | 222 | 194 | 466                   | 349 | 279 | 233 | 200 | 175 |
| 12,5                     | 851                   | 638  | 510  | 425 | 365 | 319 | 680                   | 510  | 408 | 340 | 292 | 255 | 638                   | 478  | 383 | 319 | 273 | 239 | 567                   | 425 | 340 | 284 | 243 | 213 | 510                   | 383 | 306 | 255 | 219 | 191 |
| 13                       | 934                   | 700  | 560  | 467 | 400 | 350 | 747                   | 560  | 448 | 373 | 320 | 280 | 700                   | 525  | 420 | 350 | 300 | 263 | 622                   | 467 | 373 | 311 | 267 | 233 | 560                   | 420 | 336 | 280 | 240 | 210 |
| 13,5                     | 1018                  | 764  | 611  | 509 | 436 | 382 | 815                   | 611  | 489 | 407 | 349 | 306 | 764                   | 573  | 458 | 382 | 327 | 286 | 679                   | 509 | 407 | 339 | 291 | 255 | 611                   | 458 | 367 | 306 | 262 | 229 |
| 14                       | 1111                  | 833  | 666  | 555 | 476 | 417 | 889                   | 666  | 533 | 444 | 381 | 333 | 833                   | 625  | 500 | 417 | 357 | 312 | 740                   | 555 | 444 | 370 | 317 | 278 | 666                   | 500 | 400 | 333 | 286 | 250 |
| 14,5                     | 1200                  | 900  | 720  | 600 | 514 | 450 | 960                   | 720  | 576 | 480 | 411 | 360 | 900                   | 675  | 540 | 450 | 386 | 338 | 800                   | 600 | 480 | 400 | 343 | 300 | 720                   | 540 | 432 | 360 | 309 | 270 |
| 15                       | 1287                  | 965  | 772  | 643 | 551 | 483 | 1029                  | 772  | 618 | 515 | 441 | 386 | 965                   | 724  | 579 | 483 | 414 | 362 | 858                   | 643 | 515 | 429 | 368 | 322 | 772                   | 579 | 463 | 386 | 331 | 290 |
| 15,5                     | 1414                  | 1061 | 849  | 707 | 606 | 530 | 1131                  | 849  | 679 | 566 | 485 | 424 | 1061                  | 795  | 636 | 530 | 455 | 398 | 943                   | 707 | 566 | 471 | 404 | 354 | 849                   | 636 | 509 | 424 | 364 | 318 |
| 16                       | 1521                  | 1141 | 913  | 760 | 652 | 570 | 1217                  | 913  | 730 | 608 | 521 | 456 | 1141                  | 855  | 684 | 570 | 489 | 428 | 1014                  | 760 | 608 | 507 | 435 | 380 | 913                   | 684 | 548 | 456 | 391 | 342 |
| 16,5                     | 1615                  | 1211 | 969  | 808 | 692 | 606 | 1292                  | 969  | 775 | 646 | 554 | 485 | 1211                  | 909  | 727 | 606 | 519 | 454 | 1077                  | 808 | 646 | 538 | 461 | 404 | 969                   | 727 | 581 | 485 | 415 | 363 |
| 17                       | 1728                  | 1296 | 1037 | 864 | 741 | 648 | 1382                  | 1037 | 829 | 691 | 592 | 518 | 1296                  | 972  | 778 | 648 | 555 | 486 | 1152                  | 864 | 691 | 576 | 494 | 432 | 1037                  | 778 | 622 | 518 | 444 | 389 |
| 17,5                     | 1867                  | 1400 | 1120 | 933 | 800 | 700 | 1493                  | 1120 | 896 | 747 | 640 | 560 | 1400                  | 1050 | 840 | 700 | 600 | 525 | 1245                  | 933 | 747 | 622 | 533 | 467 | 1120                  | 840 | 672 | 560 | 480 | 420 |
| 18                       | 1927                  | 1445 | 1156 | 963 | 826 | 722 | 1541                  | 1156 | 925 | 771 | 661 | 578 | 1445                  | 1084 | 867 | 722 | 619 | 542 | 1284                  | 963 | 771 | 642 | 550 | 482 | 1156                  | 867 | 694 | 578 | 495 | 433 |
| 18,5                     | 1943                  | 1457 | 1166 | 971 | 833 | 729 | 1554                  | 1166 | 933 | 777 | 666 | 583 | 1457                  | 1093 | 874 | 729 | 624 | 546 | 1295                  | 971 | 777 | 648 | 555 | 486 | 1166                  | 874 | 699 | 583 | 500 | 437 |

ŁD I - Łopatka I długa  
ŁD II - Łopatka II długa  
ŁK I - Łopatka I krótka  
ŁK II - Łopatka II krótka



# Tabela wysiewu

## SIPMA RN 1000 BORYNA

Tarcza: 480

Lopatkii II



### N 46 Mocznik PULREA

### Grupa Azoty Zakłady Azotowe „Puławy” S.A.

Zawartość azotu w formie amidowej (N): 46%  
Skład ziarnowy: 1-4mm, min. 90%  
Gęstość nasypowa: 0,70 – 0,78 kg/dm<sup>3</sup>

| Szerokość robocza        | 18 m                  |     |     |     |     |     | 20 m                  |     |     |     |     |     | 21 m                  |     |     |     |     |     | 24 m                  |     |     |     |     |     |
|--------------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| Typ i ustawienie łopatek | ŁD II - 3             |     |     |     |     |     | ŁD II - 4             |     |     |     |     |     | ŁD II - 4             |     |     |     |     |     | ŁD II - 6             |     |     |     |     |     |
|                          | ŁK II - 2             |     |     |     |     |     | ŁK II - 2             |     |     |     |     |     | ŁK II - 2,2           |     |     |     |     |     | ŁK II - 2             |     |     |     |     |     |
| Obroty                   | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     | 540 obr/min           |     |     |     |     |     |
| Dawka wysiewu            | kg/ha                 |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |                       |     |     |     |     |     |
| Nastawa                  | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     | Prędk. robocza [km/h] |     |     |     |     |     |
|                          | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  | 6                     | 8   | 10  | 12  | 14  | 16  |
| 4                        | 49                    | 36  | 29  | 24  | 21  | 18  | 44                    | 33  | 26  | 22  | 19  | 16  | 42                    | 31  | 25  | 21  | 18  | 16  | 36                    | 27  | 22  | 18  | 16  | 14  |
| 4,5                      | 60                    | 45  | 36  | 30  | 26  | 22  | 54                    | 40  | 32  | 27  | 23  | 20  | 51                    | 39  | 31  | 26  | 22  | 19  | 45                    | 34  | 27  | 22  | 19  | 17  |
| 5                        | 72                    | 54  | 43  | 36  | 31  | 27  | 65                    | 49  | 39  | 32  | 28  | 24  | 62                    | 46  | 37  | 31  | 26  | 23  | 54                    | 41  | 32  | 27  | 23  | 20  |
| 5,5                      | 88                    | 66  | 53  | 44  | 38  | 33  | 80                    | 60  | 48  | 40  | 34  | 30  | 76                    | 57  | 45  | 38  | 32  | 28  | 66                    | 50  | 40  | 33  | 28  | 25  |
| 6                        | 105                   | 79  | 63  | 53  | 45  | 40  | 95                    | 71  | 57  | 47  | 41  | 36  | 90                    | 68  | 54  | 45  | 39  | 34  | 79                    | 59  | 47  | 40  | 34  | 30  |
| 6,5                      | 125                   | 94  | 75  | 63  | 54  | 47  | 113                   | 85  | 68  | 56  | 48  | 42  | 107                   | 80  | 64  | 54  | 46  | 40  | 94                    | 70  | 56  | 47  | 40  | 35  |
| 7                        | 147                   | 110 | 88  | 74  | 63  | 55  | 133                   | 99  | 80  | 66  | 57  | 50  | 126                   | 95  | 76  | 63  | 54  | 47  | 110                   | 83  | 66  | 55  | 47  | 41  |
| 7,5                      | 171                   | 128 | 103 | 86  | 73  | 64  | 154                   | 115 | 92  | 77  | 66  | 58  | 147                   | 110 | 88  | 73  | 63  | 55  | 128                   | 96  | 77  | 64  | 55  | 48  |
| 8                        | 201                   | 151 | 121 | 101 | 86  | 75  | 181                   | 136 | 109 | 90  | 78  | 68  | 172                   | 129 | 103 | 86  | 74  | 65  | 151                   | 113 | 90  | 75  | 65  | 57  |
| 8,5                      | 230                   | 173 | 138 | 115 | 99  | 86  | 207                   | 155 | 124 | 104 | 89  | 78  | 197                   | 148 | 118 | 99  | 85  | 74  | 173                   | 130 | 104 | 86  | 74  | 65  |
| 9                        | 261                   | 196 | 157 | 131 | 112 | 98  | 235                   | 176 | 141 | 118 | 101 | 88  | 224                   | 168 | 134 | 112 | 96  | 84  | 196                   | 147 | 118 | 98  | 84  | 73  |
| 9,5                      | 295                   | 221 | 177 | 147 | 126 | 111 | 265                   | 199 | 159 | 133 | 114 | 99  | 253                   | 189 | 152 | 126 | 108 | 95  | 221                   | 166 | 133 | 111 | 95  | 83  |
| 10                       | 337                   | 253 | 202 | 169 | 144 | 126 | 303                   | 228 | 182 | 152 | 130 | 114 | 289                   | 217 | 173 | 144 | 124 | 108 | 253                   | 190 | 152 | 126 | 108 | 95  |
| 10,5                     | 374                   | 281 | 224 | 187 | 160 | 140 | 337                   | 253 | 202 | 168 | 144 | 126 | 321                   | 241 | 192 | 160 | 137 | 120 | 281                   | 210 | 168 | 140 | 120 | 105 |
| 11                       | 424                   | 318 | 255 | 212 | 182 | 159 | 382                   | 286 | 229 | 191 | 164 | 143 | 364                   | 273 | 218 | 182 | 156 | 136 | 318                   | 239 | 191 | 159 | 136 | 119 |
| 11,5                     | 464                   | 348 | 279 | 232 | 199 | 174 | 418                   | 313 | 251 | 209 | 179 | 157 | 398                   | 299 | 239 | 199 | 171 | 149 | 348                   | 261 | 209 | 174 | 149 | 131 |
| 12                       | 517                   | 388 | 310 | 259 | 222 | 194 | 466                   | 349 | 279 | 233 | 200 | 175 | 443                   | 333 | 266 | 222 | 190 | 166 | 388                   | 291 | 233 | 194 | 166 | 146 |
| 12,5                     | 567                   | 425 | 340 | 284 | 243 | 213 | 510                   | 383 | 306 | 255 | 219 | 191 | 486                   | 365 | 292 | 243 | 208 | 182 | 425                   | 319 | 255 | 213 | 182 | 159 |
| 13                       | 622                   | 467 | 373 | 311 | 267 | 233 | 560                   | 420 | 336 | 280 | 240 | 210 | 533                   | 400 | 320 | 267 | 229 | 200 | 467                   | 350 | 280 | 233 | 200 | 175 |
| 13,5                     | 679                   | 509 | 407 | 339 | 291 | 255 | 611                   | 458 | 367 | 306 | 262 | 229 | 582                   | 436 | 349 | 291 | 249 | 218 | 509                   | 382 | 306 | 255 | 218 | 191 |
| 14                       | 740                   | 555 | 444 | 370 | 317 | 278 | 666                   | 500 | 400 | 333 | 286 | 250 | 635                   | 476 | 381 | 317 | 272 | 238 | 555                   | 417 | 333 | 278 | 238 | 208 |
| 14,5                     | 800                   | 600 | 480 | 400 | 343 | 300 | 720                   | 540 | 432 | 360 | 309 | 270 | 686                   | 514 | 411 | 343 | 294 | 257 | 600                   | 450 | 360 | 300 | 257 | 225 |
| 15                       | 858                   | 643 | 515 | 429 | 368 | 322 | 772                   | 579 | 463 | 386 | 331 | 290 | 735                   | 551 | 441 | 368 | 315 | 276 | 643                   | 483 | 386 | 322 | 276 | 241 |
| 15,5                     | 943                   | 707 | 566 | 471 | 404 | 354 | 849                   | 636 | 509 | 424 | 364 | 318 | 808                   | 606 | 485 | 404 | 346 | 303 | 707                   | 530 | 424 | 354 | 303 | 265 |
| 16                       | 1014                  | 760 | 608 | 507 | 435 | 380 | 913                   | 684 | 548 | 456 | 391 | 342 | 869                   | 652 | 521 | 435 | 372 | 326 | 760                   | 570 | 456 | 380 | 326 | 285 |
| 16,5                     | 1077                  | 808 | 646 | 538 | 461 | 404 | 969                   | 727 | 581 | 485 | 415 | 363 | 923                   | 692 | 554 | 461 | 396 | 346 | 808                   | 606 | 485 | 404 | 346 | 303 |
| 17                       | 1152                  | 864 | 691 | 576 | 494 | 432 | 1037                  | 778 | 622 | 518 | 444 | 389 | 987                   | 741 | 592 | 494 | 423 | 370 | 864                   | 648 | 518 | 432 | 370 | 324 |
| 17,5                     | 1245                  | 933 | 747 | 622 | 533 | 467 | 1120                  | 840 | 672 | 560 | 480 | 420 | 1067                  | 800 | 640 | 533 | 457 | 400 | 933                   | 700 | 560 | 467 | 400 | 350 |
| 18                       | 1284                  | 963 | 771 | 642 | 550 | 482 | 1156                  | 867 | 694 | 578 | 495 | 433 | 1101                  | 826 | 661 | 550 | 472 | 413 | 963                   | 722 | 578 | 482 | 413 | 361 |
| 18,5                     | 1295                  | 971 | 777 | 648 | 555 | 486 | 1166                  | 874 | 699 | 583 | 500 | 437 | 1110                  | 833 | 666 | 555 | 476 | 416 | 971                   | 729 | 583 | 486 | 416 | 364 |

LD I - Łopatkii I długa  
LD II - Łopatkii II długa  
ŁK I - Łopatkii I krótka  
ŁK II - Łopatkii II krótka



## Tabela wysiewu

SIPMA RN 1000 BORYNA

Tarcza: 480

System siewu granicznego LIMES



**N 46 Mocznik PULREA**

**Grupa Azoty Zakłady Azotowe „Puławy” S.A.**

Zawartość azotu w formie amidowej (N): 46%  
Skład ziarnowy: 1-4mm, min. 90%  
Gęstość nasypowa: 0,70 – 0,78 kg/dm<sup>3</sup>

| Szerokość robocza | Typ oraz ustawienie łopatek |             | Obroty      | Pozycja LIMESA | Wysiew krawędziowy | Wysiew graniczny |                        |                          | Rozsiew przy rowach |                        |                          |                  |
|-------------------|-----------------------------|-------------|-------------|----------------|--------------------|------------------|------------------------|--------------------------|---------------------|------------------------|--------------------------|------------------|
|                   |                             |             |             |                | Położenie LIMESA   | Położenie LIMESA | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Położenie LIMESA    | Redukcja dawki (hydr.) | Redukcja dawki (elektr.) | Redukcja obrotów |
| 12                | ŁD I - 3,4                  | ŁK I - 1,4  | 540 obr/min | 20             | 60                 | 80               | -1                     | -25%                     | 100                 | -3                     | -60%                     | -                |
| 15                | ŁD I - 3,4                  | ŁK I - 3    | 540 obr/min | 25             | 60                 | 80               | -2                     | -45%                     | 100                 | -3                     | -60%                     | -                |
| 16                | ŁD I - 3,4                  | ŁK I - 3,2  | 540 obr/min | 30             | 60                 | 80               | -1,5                   | -35%                     | 100                 | -3                     | -60%                     | -                |
| 18                | ŁD I - 5                    | ŁK I - 3    | 540 obr/min | 35             | 0                  | 70               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
|                   | ŁD II - 3                   | ŁK II - 2   | 540 obr/min | 30             | 0                  | 70               | -1                     | -25%                     | 100                 | -2                     | -45%                     | -                |
| 20                | ŁD I - 6                    | ŁK I - 3,1  | 540 obr/min | 35             | 0                  | 70               | -1,5                   | -35%                     | 100                 | -2                     | -45%                     | -                |
|                   | ŁD II - 4                   | ŁK II - 2   | 540 obr/min | 35             | 0                  | 70               | -1                     | -25%                     | 90                  | -2                     | -45%                     | -                |
| 21                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                   | -                      | -                        | -                |
|                   | ŁD II - 4                   | ŁK II - 2,2 | 540 obr/min | 40             | 0                  | 7                | -1,5                   | -35%                     | 90                  | -2                     | -45%                     | -                |
| 24                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                   | -                      | -                        | -                |
|                   | ŁD II - 6                   | ŁK II - 2   | 540 obr/min | 45             | 0                  | 6                | -1                     | -25%                     | 80                  | -2                     | -45%                     | -                |
| 27                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                   | -                      | -                        | -                |
| 28                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                   | -                      | -                        | -                |
| 30                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                   | -                      | -                        | -                |
| 32                | -                           | -           | -           | -              | -                  | -                | -                      | -                        | -                   | -                      | -                        | -                |

ŁD I - Łopaska I długa  
ŁD II - Łopaska II długa  
ŁK I - Łopaska I krótka  
ŁK II - Łopaska II krótka



