

Table 18. Yield and agronomic data for 29 wheats grown in the 1996 Northern Regional Performance Nursery.

SIDNEY, NEBRASKA

THREE REPLICATIONS

| | : | : | YIELD | : | VOLUME | : | PLANT | : | |
|-------------|---|--------|-------|-------|--------|-------|--------|-----|---|
| C.I. OR | : | ENTRY: | : | : | WEIGHT | : | HEIGHT | : | |
| SEL. NO. | : | NO. | : | KG/HA | : | KG/HL | : | CM | : |
| XNH1800 | | 21 | | 5050 | | 79.3 | | 98 | |
| NE93554 | | 18 | | 4627 | | 82.6 | | 95 | |
| NE92652 | | 17 | | 4572 | | 85.1 | | 94 | |
| AMQ3KC4C7B | | 27 | | 4504 | | 80.8 | | 105 | |
| XNH1798 | | 20 | | 4378 | | 81.7 | | 91 | |
| SD92191 | | 9 | | 4316 | | 83.2 | | 116 | |
| SD92266 | | 11 | | 4270 | | 82.7 | | 107 | |
| AMQ3NQ4A7D | | 28 | | 4247 | | 80 | | 108 | |
| AMQ3KF4B7A | | 29 | | 4150 | | 81.4 | | 104 | |
| SD92107 | | 6 | | 4149 | | 80.9 | | 100 | |
| SD92174 | | 8 | | 4122 | | 83.2 | | 104 | |
| NE92628 | | 15 | | 3924 | | 81 | | 97 | |
| MTS92042 | | 23 | | 3907 | | 81.4 | | 102 | |
| ND9272 | | 13 | | 3904 | | 81.3 | | 93 | |
| AMP3JP4A7A | | 26 | | 3874 | | 82.4 | | 108 | |
| SD89153 | | 4 | | 3870 | | 83.9 | | 100 | |
| NE93613 | | 19 | | 3820 | | 80.9 | | 90 | |
| ARAPAHOE | | 30 | | 3812 | | 81.3 | | 91 | |
| SD92227 | | 10 | | 3801 | | 81 | | 104 | |
| IDO467 | | 24 | | 3756 | | 81.8 | | 90 | |
| NE92662 | | 16 | | 3754 | | 80.6 | | 94 | |
| SD92124 | | 7 | | 3718 | | 81 | | 98 | |
| SD91192 | | 5 | | 3617 | | 81.4 | | 93 | |
| ND9257 | | 12 | | 3611 | | 80.4 | | 100 | |
| ND9274 | | 14 | | 3540 | | 80.4 | | 100 | |
| ROUGH RIDER | | 2 | | 3203 | | 83.2 | | 105 | |
| MT88046 | | 22 | | 3086 | | 81.3 | | 89 | |
| KHARKOF | | 1 | | 3048 | | 82.6 | | 123 | |
| ABILENE | | 3 | | 2634 | | 83.9 | | 85 | |
| IDO483 | | 25 | | 2409 | | 82.3 | | 76 | |

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| MEAN | 3856 |
| LSD (.05) | 726 |
| C.V. | 11.5 |

HEMINGFORD

NEBRASKA

THREE REPLICATIONS

| C.I. OR SEL. NO. | : ENTRY: NO. | : YIELD KG/HA | : VOLUME WEIGHT KG/HL | : PLANT HEIGHT CM |
|---------------------|--------------------|---------------------|--------------------------------|----------------------------|
| ID0483 | 25 | 4846 | 79.1 | 89 |
| NE92628 | 15 | 4588 | 77.7 | 88 |
| XNH1798 | 20 | 4538 | 79.1 | 88 |
| ARAPAHOE | 30 | 4477 | 78.8 | 93 |
| SD92227 | 10 | 4444 | 79.3 | 91 |
| SD92191 | 9 | 4363 | 80.1 | 108 |
| ABILENE | 3 | 4316 | 82.4 | 81 |
| SD92266 | 11 | 4278 | 79.5 | 91 |
| NE92662 | 16 | 4260 | 76.5 | 89 |
| AMQ3NQ4A7D | 28 | 4137 | 76.1 | 97 |
| NE93554 | 18 | 4134 | 78.2 | 89 |
| XNH1800 | 21 | 4101 | 75.7 | 93 |
| SD91192 | 5 | 4081 | 78.4 | 93 |
| SD89153 | 4 | 4036 | 80.2 | 99 |
| SD92107 | 6 | 4027 | 78.2 | 94 |
| NE92652 | 17 | 3979 | 78 | 90 |
| AMP3JP4A7A | 26 | 3923 | 77.7 | 99 |
| MT88046 | 22 | 3862 | 79.6 | 90 |
| NE93613 | 19 | 3812 | 76.9 | 89 |
| ND9272 | 13 | 3770 | 79.1 | 86 |
| ID0467 | 24 | 3699 | 78.4 | 84 |
| SD92124 | 7 | 3671 | 77.3 | 89 |
| ND9257 | 12 | 3655 | 77.3 | 94 |
| AMQ3KC4C7B | 27 | 3649 | 76.5 | 93 |
| ND9274 | 14 | 3614 | 79.2 | 86 |
| MTS92042 | 23 | 3614 | 78.3 | 97 |
| ROUGH RIDER | 2 | 3577 | 78.6 | 103 |
| SD92174 | 8 | 3534 | 78.4 | 86 |
| AMQ3KF4B7A | 29 | 3272 | 76.8 | 94 |
| KHARKOF | 1 | 3200 | 77.8 | 113 |

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| MEAN | 3982 |
| LSD (.05) | 691 |
| C.V. | 10.6 |

BROOKINGS

S. DAKOTA

THREE REPLICATIONS

| | : | : | WINTER | : |
|-------------|----|--------|----------|---|
| C.I. OR | : | ENTRY: | SURVIVAL | : |
| SEL. NO. | : | NO. | % | : |
| KHARKOF | 1 | | 47 | |
| ROUGH RIDER | 2 | | 87 | |
| ABILENE | 3 | | 40 | |
| SD89153 | 4 | | 50 | |
| SD91192 | 5 | | 60 | |
| SD92107 | 6 | | 50 | |
| SD92124 | 7 | | 63 | |
| SD92174 | 8 | | 57 | |
| SD92191 | 9 | | 67 | |
| SD92227 | 10 | | 70 | |
| SD92266 | 11 | | 60 | |
| ND9257 | 12 | | 70 | |
| ND9272 | 13 | | 57 | |
| ND9274 | 14 | | 63 | |
| NE92628 | 15 | | 17 | |
| NE92662 | 16 | | 23 | |
| NE92652 | 17 | | 20 | |
| NE93554 | 18 | | 50 | |
| NE93613 | 19 | | 27 | |
| XNH1798 | 20 | | 30 | |
| XNH1800 | 21 | | 23 | |
| MT88046 | 22 | | 17 | |
| MTS92042 | 23 | | 7 | |
| IDO467 | 24 | | 7 | |
| IDO483 | 25 | | 0 | |
| AMP3JP4A7A | 26 | | 53 | |
| AMQ3KC4C7B | 27 | | 53 | |
| AMQ3NQ4A7D | 28 | | 33 | |
| AMQ3KF4B7A | 29 | | 60 | |
| ROSE | 30 | | 47 | |

PIERRE

S. DAKOTA

THREE REPLICATIONS

| C.I. OR SEL. NO. | : ENTRY: NO. | : YIELD KG/HA | : VOLUME KG/HL | : DAYS TO HEADING FROM 1/1: | : LODGING 0-9 | : WINTER SURVIVAL % |
|---------------------|--------------------|---------------------|----------------------|--------------------------------------|---------------------|------------------------------|
| ND9257 | 12 | 4317 | 76.9 | 174 | 3 | 87 |
| NE92662 | 16 | 4266 | 75.7 | 171 | 2.7 | 80 |
| SD92227 | 10 | 4140 | 73.7 | 169 | 6 | 97 |
| SD92191 | 9 | 3986 | 79.2 | 172 | 4 | 97 |
| SD91192 | 5 | 3979 | 76.8 | 171 | 4.3 | 87 |
| AMQ3KF4B7A | 29 | 3970 | 76.7 | 175 | 2.7 | 87 |
| ND9274 | 14 | 3954 | 76.6 | 172 | 3.3 | 93 |
| AMP3JP4A7A | 26 | 3896 | 79.2 | 173 | 4.7 | 87 |
| ABILENE | 3 | 3856 | 75.8 | 171 | 2.7 | 80 |
| AMQ3KC4C7B | 27 | 3782 | 78.1 | 175 | 2.7 | 77 |
| SD89153 | 4 | 3766 | 79.3 | 171 | 3.7 | 83 |
| SD92174 | 8 | 3735 | 79.3 | 172 | 5.3 | 100 |
| SD92266 | 11 | 3685 | 78.3 | 172 | 4.7 | 83 |
| NE93613 | 19 | 3616 | 76.9 | 173 | 4.3 | 83 |
| ROSE | 30 | 3531 | 78.9 | 171 | 4.3 | 90 |
| SD92107 | 6 | 3414 | 78.2 | 172 | 3.3 | 93 |
| ND9272 | 13 | 3407 | 76.4 | 173 | 2.7 | 80 |
| AMQ3NQ4A7D | 28 | 3363 | 78.1 | 174 | 1.7 | 87 |
| ROUGH RIDER | 2 | 3342 | 77.4 | 172 | 4.3 | 100 |
| NE93554 | 18 | 3264 | 76.6 | 171 | 5.3 | 80 |
| IDO467 | 24 | 3224 | 74.4 | 175 | 1.7 | 73 |
| KHARKOF | 1 | 3073 | 77.5 | 174 | 7 | 90 |
| NE92652 | 17 | 3073 | 78.9 | 172 | 3.7 | 70 |
| XNH1800 | 21 | 3042 | 75.9 | 174 | 3.7 | 73 |
| SD92124 | 7 | 2959 | 75.4 | 170 | 4.7 | 93 |
| XNH1798 | 20 | 2955 | 76.3 | 171 | 3 | 67 |
| MT88046 | 22 | 2780 | 78.1 | 169 | 3 | 73 |
| NE92628 | 15 | 2372 | 76.4 | 172 | 3.3 | 73 |
| MTS92042 | 23 | 1876 | 78.9 | 174 | 3.7 | 47 |
| IDO483 | 25 | 11 | . | 173 | 1 | 17 |

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| MEAN | 3354 |
| LSD (.05) | 1424 |
| C.V. | 26.0 |

WINNER

S. DAKOTA

THREE REPLICATIONS

| C.I. OR SEL. NO. | : ENTRY: NO. | : YIELD KG/HA | : VOLUME KG/HL | : DAYS TO HEADING FROM 1/1: | : GRN LEAF DURATION 0-9 : |
|---------------------|--------------------|------------------|-------------------|-----------------------------------|---------------------------------|
| NE93554 | 18 | 4647 | 76 | 165 | 2.5 |
| XNH1800 | 21 | 4506 | 75.8 | 168 | 1.7 |
| SD92191 | 9 | 4311 | 80.6 | 167 | 3 |
| AMQ3NQ4A7D | 28 | 4102 | 75.5 | 171 | 2 |
| NE92628 | 15 | 4069 | 76.8 | 165 | 3.3 |
| NE93613 | 19 | 4044 | 76.7 | 167 | 3.7 |
| SD92124 | 7 | 4032 | 76.8 | 165 | 3.5 |
| ROSE | 30 | 3983 | 81.1 | 165 | 1.7 |
| MT88046 | 22 | 3977 | 80 | 162 | 2.7 |
| XNH1798 | 20 | 3930 | 77.7 | 163 | 4.3 |
| SD92227 | 10 | 3914 | 76 | 165 | 4 |
| SD91192 | 5 | 3885 | 77 | 165 | 5 |
| AMQ3KC4C7B | 27 | 3828 | 77.2 | 170 | 2.8 |
| SD92107 | 6 | 3809 | 79.1 | 167 | 2 |
| SD89153 | 4 | 3773 | 82.1 | 166 | 2 |
| ND9272 | 13 | 3753 | 75.6 | 167 | 2 |
| NE92662 | 16 | 3746 | 77.7 | 164 | 4.7 |
| NE92652 | 17 | 3744 | 80.6 | 166 | 5 |
| ABILENE | 3 | 3703 | 79 | 164 | 5 |
| ROUGH RIDER | 2 | 3694 | 79.6 | 167 | 2 |
| SD92266 | 11 | 3690 | 78.6 | 166 | 4.3 |
| IDO483 | 25 | 3661 | 76 | 163 | 3.3 |
| SD92174 | 8 | 3515 | 78.7 | 166 | 2.8 |
| ND9274 | 14 | 3486 | 74.2 | 168 | 3.3 |
| AMQ3KF4B7A | 29 | 3365 | 75.3 | 171 | 3.3 |
| MTS92042 | 23 | 3336 | 78.3 | 167 | 3.7 |
| AMP3JP4A7A | 26 | 3237 | 77.7 | 169 | 2.7 |
| KHARKOF | 1 | 3120 | 78.3 | 168 | 2 |
| ND9257 | 12 | 3073 | 74.5 | 170 | 4.7 |
| IDO467 | 24 | 2999 | 72.9 | 169 | 4 |

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| MEAN | 3764 |
| LSD (.05) | 634 |
| C.V. | 10.4 |

HETTINGER

N. DAKOTA

THREE REPLICATIONS

| C.I. OR SEL. NO. | : ENTRY: NO. | : YIELD KG/HA | : VOLUME WEIGHT KG/HL | : PLANT HEIGHT CM | : DAYS TO HEADING FROM 1/1: | : WINTER SURVIVAL % |
|---------------------|--------------------|---------------------|--------------------------------|----------------------------|--------------------------------------|------------------------------|
| SD92227 | 10 | 4820 | 80.2 | 88 | 176 | 98 |
| ARAPAHOE | 30 | 4808 | 79.4 | 86 | 176 | 92 |
| SEWARD | 32 | 4808 | 80.3 | 98 | 179 | 95 |
| ND9257 | 12 | 4724 | 79.4 | 91 | 178 | 90 |
| AMP3JP4A7A | 26 | 4676 | 79.2 | 89 | 179 | 93 |
| SD92107 | 6 | 4449 | 79.9 | 91 | 178 | 96 |
| ROUGH RIDER | 2 | 4269 | 81.4 | 101 | 178 | 98 |
| NE93554 | 18 | 4234 | 78.1 | 80 | 175 | 85 |
| AMQ3KF4B7A | 29 | 4234 | 75.5 | 89 | 180 | 93 |
| SD92174 | 8 | 4222 | 81.3 | 96 | 177 | 95 |
| NE93613 | 19 | 4222 | 77.4 | 84 | 179 | 90 |
| AMQ3NQ4A7D | 28 | 4222 | 74.2 | 88 | 180 | 93 |
| ND9272 | 13 | 4210 | 79.5 | 84 | 177 | 91 |
| XNH1798 | 20 | 4210 | 79.4 | 79 | 177 | 78 |
| SD92266 | 11 | 4186 | 81.1 | 95 | 177 | 98 |
| SD91192 | 5 | 4150 | 80.1 | 84 | 178 | 87 |
| SD92191 | 9 | 4138 | 81.1 | 102 | 178 | 95 |
| NE92662 | 16 | 4138 | 78.2 | 83 | 176 | 85 |
| ELKHORN | 31 | 4126 | 78.9 | 96 | 179 | 93 |
| SD89153 | 4 | 3887 | 81.2 | 89 | 177 | 85 |
| SD92124 | 7 | 3707 | 78 | 86 | 177 | 95 |
| ND9274 | 14 | 3684 | 79.5 | 95 | 178 | 90 |
| AMQ3KC4C7B | 27 | 3636 | 75.3 | 88 | 180 | 83 |
| MT88046 | 22 | 3349 | 78.7 | 81 | 174 | 88 |
| NE92652 | 17 | 2966 | 78.9 | 77 | 177 | 67 |
| NE92628 | 15 | 2954 | 76.5 | 77 | 178 | 63 |
| KHARKOF | 1 | 2918 | 80.5 | 103 | 178 | 95 |
| XNH1800 | 21 | 2739 | 71.6 | 78 | 178 | 92 |
| ABILENE | 3 | 2571 | 78.9 | 63 | 175 | 67 |
| MTS92042 | 23 | 2559 | 76.1 | 80 | 180 | 67 |
| IDO467 | 24 | 1746 | 68.5 | 71 | 181 | 83 |
| IDO483 | 25 | 383 | 70.7 | 59 | 178 | 13 |
| MEAN | | 3748 | | | | |
| LSD (.05) | | 898 | | | | |
| C.V. | | 14.7 | | | | |

WILLISTON

N. DAKOTA

FOUR REPLICATIONS

| C.I. OR SEL. NO. | : ENTRY: NO. | : YIELD : KG/HA | : VOLUME : WEIGHT : KG/HL | : PLANT : HEIGHT : CM | : DAYS TO : HEADING : FROM 1/1: | : WINTER : SURVIVAL : % |
|---------------------|--------------------|--------------------|---------------------------------|-----------------------------|---------------------------------------|-------------------------------|
| ELKHORN | 30 | 3009 | 78.1 | 74 | 167 | 73 |
| ND9257 | 12 | 2723 | 77.6 | 64 | 166 | 68 |
| ROUGH RIDER | 2 | 2507 | 79.5 | 68 | 167 | 80 |
| ND9274 | 14 | 2479 | 77.2 | 61 | 166 | 51 |
| AMQ3KC4C7B | 27 | 2463 | 76.6 | 77 | 170 | 33 |
| AMQ3NQ4A7D | 28 | 2383 | 77.5 | 72 | 169 | 36 |
| AMQ3KF4B7A | 29 | 2252 | 76.1 | 70 | 169 | 29 |
| ND9272 | 13 | 2179 | 76.7 | 61 | 167 | 30 |
| SD92227 | 10 | 2156 | 76.8 | 68 | 166 | 35 |
| SD92174 | 8 | 2120 | 79.4 | 63 | 167 | 40 |
| AMP3JP4A7A | 26 | 1983 | 79.2 | 68 | 169 | 52 |
| SD92266 | 11 | 1944 | 78 | 63 | 166 | 42 |
| SD92191 | 9 | 1939 | 76.7 | 73 | 169 | 28 |
| SD91192 | 5 | 1920 | 76.5 | 68 | 166 | 34 |
| SD89153 | 4 | 1720 | 78.2 | 65 | 165 | 25 |
| ABILENE | 3 | 1326 | 79.2 | 52 | 165 | 18 |
| XNH1800 | 21 | 1269 | 77.3 | 45 | 176 | 12 |
| SD92107 | 6 | 1253 | 76.2 | 63 | 168 | 15 |
| NE93554 | 18 | 1248 | 76.5 | 62 | 166 | 24 |
| MT88046 | 22 | 1128 | 76.5 | 62 | 165 | 16 |
| KHARKOF | 1 | 1117 | 74.7 | 79 | 169 | 10 |
| SD92124 | 7 | 1072 | 75.9 | 62 | 166 | 11 |
| NE93613 | 19 | 1021 | 73.1 | 68 | 168 | 4 |
| IDO467 | 24 | 857 | 71.4 | 57 | 180 | 6 |
| NE92628 | 15 | 826 | 73.9 | 72 | 167 | 9 |
| NE92662 | 16 | 790 | 75.6 | 59 | 163 | 17 |
| XNH1798 | 20 | 695 | 77.9 | 22 | 172 | 9 |
| NE92652 | 17 | 662 | . | 62 | 181 | 4 |
| MTS92042 | 23 | 461 | 75.3 | 55 | 155 | 4 |
| IDO483 | 25 | 0 | . | 0 | 151 | 0 |

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| MEAN | 1584 |
| LSD (.05) | 946 |
| C.V. | 42.2 |

WASECA

MINNESOTA

THREE REPLICATIONS

| C.I. OR SEL. NO. | : ENTRY: NO. | : YIELD KG/HA | : PLANT HEIGHT CM | : DAYS TO HEADING FROM 1/1: | : LODGING 0-5 | : WINTER SURVIVAL % |
|---------------------|--------------------|---------------------|----------------------------|--------------------------------------|---------------------|------------------------------|
| ND9257 | 12 | 5872 | 62 | 188 | 1.3 | 97 |
| NE93613 | 19 | 5526 | 68 | 186 | 1.7 | 90 |
| ND9274 | 14 | 4580 | 63 | 185 | 2 | 87 |
| ND9272 | 13 | 4570 | 59 | 186 | 2 | 95 |
| NE93554 | 18 | 4366 | 69 | 183 | 2 | 63 |
| SD92266 | 11 | 4234 | 62 | 188 | 2 | 82 |
| SD92191 | 9 | 4020 | 58 | 190 | 2 | 93 |
| SD92124 | 7 | 3654 | 60 | 185 | 1.7 | 92 |
| ROUGH RIDER | 2 | 3552 | 59 | 191 | 2.3 | 97 |
| SD92174 | 8 | 3155 | 60 | 189 | 2 | 92 |
| XNH1798 | 20 | 2992 | 63 | 181 | 2 | 65 |
| NE92662 | 16 | 2921 | 61 | 185 | 1.3 | 25 |
| ABILENE | 3 | 2890 | 64 | 178 | 1.7 | 73 |
| SD92227 | 10 | 2870 | 63 | 184 | 1.7 | 63 |
| SD91192 | 5 | 2839 | 63 | 184 | 1.7 | 60 |
| AMQ3KF4B7A | 29 | 2687 | 62 | 184 | 1 | 77 |
| NE92628 | 15 | 2595 | 64 | 181 | 1.3 | 43 |
| NE92652 | 17 | 2499 | 63 | 182 | 1.3 | 38 |
| AMP3JP4A7A | 26 | 2361 | 68 | 182 | 1 | 30 |
| SD92107 | 6 | 2198 | 64 | 184 | 1.3 | 33 |
| KHARKOF | 1 | 2158 | 59 | 191 | 2 | 68 |
| SD89153 | 4 | 1689 | 64 | 183 | 1 | 42 |
| AMQ3KC4C7B | 27 | 1547 | 69 | 186 | 2.5 | 9 |
| AMQ3NQ4A7D | 28 | 1537 | 69 | 184 | 1 | 43 |
| MTS92042 | 23 | 1486 | 65 | 184 | 1 | 40 |
| MT88046 | 22 | 855 | 66 | 180 | 1.3 | 27 |
| XNH1800 | 21 | 600 | 64 | 182 | 2.3 | 47 |
| IDO467 | 24 | 122 | 74 | 177 | 1 | 7 |
| IDO483 | 25 | 0 | 71 | 181 | 1 | 1 |

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| MEAN | 2772 |
| LSD (.05) | 1748 |
| C.V. | 38.6 |

ROSEMOUNT, MINNESOTA

THREE REPLICATIONS

| C.I. OR SEL. NO. | : ENTRY: NO. | : YIELD KG/HA | : VOLUME KG/HL | : PLANT HEIGHT CM | : DAYS TO HEADING FROM 1/1: | : LODGING 0-5 | : WINTER SURVIVAL % | : STEM RUST SEV.:RESP | : LEAF RUST SEV.:RESP | : GRAIN PROTEIN % |
|---------------------|--------------------|------------------|-------------------|-------------------------|-----------------------------------|------------------|---------------------------|--------------------------|--------------------------|-------------------------|
| SD92107 | 6 | 4483 | 76.8 | 106 | 167 | 1.3 | 95 | 0 | 5 | 14 |
| ND9257 | 12 | 4302 | 74.4 | 102 | 168 | 1 | 75 | 1 | 20 | 13.1 |
| SD92266 | 11 | 4193 | 75.9 | 104 | 167 | 1.7 | 93 | 1 | 60 | 13.1 |
| AMP3JP4A7A | 26 | 4148 | 75.5 | 109 | 172 | 1 | 90 | 0 | 1 | 13.2 |
| SD92227 | 10 | 4013 | 75.1 | 93 | 167 | 1.3 | 58 | 1 | 60 | 13.7 |
| SD91192 | 5 | 3999 | 77.1 | 100 | 167 | 1.3 | 83 | 1 | 1 | 12.5 |
| NE92652 | 17 | 3963 | 78.4 | 95 | 167 | 1 | 88 | 0 | 1 | 13 |
| SD92174 | 8 | 3958 | 77.3 | 108 | 169 | 1 | 85 | 5 | 8 | 14 |
| ROUGH RIDER | 2 | 3949 | 78.6 | 114 | 168 | 1.3 | 67 | 1 | 2 | 13.2 |
| SD92191 | 9 | 3947 | 78 | 115 | 169 | 1 | 84 | 0 | 5 | 12 |
| XNH1798 | 20 | 3850 | 72.4 | 92 | 166 | 1 | 93 | 0 | 1 | 12.8 |
| SD92124 | 7 | 3787 | 74.4 | 102 | 166 | 1 | 98 | 0 | 1 | 13.7 |
| ND9272 | 13 | 3770 | 73.3 | 94 | 169 | 1 | 93 | 0 | 5 | 13.6 |
| SD89153 | 4 | 3744 | 77.7 | 105 | 166 | 1 | 90 | 0 | 5 | 12.7 |
| AMQ3KC4C7B | 27 | 3718 | 73.9 | 102 | 173 | 1 | 83 | 0 | 1 | 13.6 |
| NE92662 | 16 | 3681 | 74.4 | 94 | 166 | 1 | 92 | 0 | 5 | 13.4 |
| AMQ3KF4B7A | 29 | 3676 | 75.1 | 99 | 174 | 1 | 93 | 0 | 1 | 13 |
| NE93554 | 18 | 3649 | 72.9 | 92 | 165 | 1 | 76 | 0 | 1 | 12.7 |
| MTS92042 | 23 | 3351 | 74.2 | 104 | 168 | 1.3 | 78 | 1 | 2 | 14.5 |
| ND9274 | 14 | 3347 | 74.6 | 95 | 169 | 1 | 70 | 0 | 15 | 12.6 |
| NE92628 | 15 | 3316 | 73.1 | 93 | 167 | 1 | 74 | 1 | 7 | 13.4 |
| MT88046 | 22 | 3040 | 75.3 | 96 | 166 | 1 | 83 | 0 | 15 | 15.2 |
| KHARKOF | 1 | 2913 | 76.4 | 118 | 169 | 2.7 | 80 | 40 | 7 | 14 |
| IDO467 | 24 | 2741 | 66.8 | 80 | 176 | 1 | 77 | 0 | 5 | 14.3 |
| ABILENE | 3 | 2484 | 75.1 | 76 | 166 | 1 | 95 | 0 | 0 | 13.2 |
| NE93613 | 19 | 2474 | 72.9 | 92 | 170 | 1 | 68 | 0 | 5 | 14.1 |
| AMQ3NQ4A7D | 28 | 2235 | 74.2 | 99 | 171 | 1 | 91 | 0 | 1 | 13 |
| XNH1800 | 21 | 2106 | 70.4 | 94 | 170 | 1 | 80 | 0 | 5 | 13 |
| IDO483 | 25 | 1998 | 73.5 | 82 | 165 | 1 | 37 | 10 | 8 | 14.4 |

MEAN 3477
LSD (.05) 1133
C.V. 19.9

SIDNEY

MONTANA

FOUR REPLICATIONS

| C.I. OR SEL. NO. | : ENTRY: NO. | : YIELD KG/HA | : VOLUME KG/HL | : PLANT HEIGHT CM | : DAYS TO HEADING FROM 1/1: | : WINTER SURVIVAL % |
|---------------------|--------------------|---------------------|----------------------|----------------------------|--------------------------------------|------------------------------|
| ND9274 | 14 | 2900 | 77.5 | 66 | 170 | 60 |
| SD92266 | 11 | 2876 | 78.4 | 68 | 169 | 59 |
| ND9257 | 12 | 2850 | 78.2 | 71 | 171 | 66 |
| SD92174 | 8 | 2778 | 80 | 73 | 169 | 64 |
| AMQ3NQ4A7D | 28 | 2778 | 78.1 | 76 | 174 | 45 |
| AMQ3KF4B7A | 29 | 2773 | 76.3 | 73 | 174 | 49 |
| SD92191 | 9 | 2584 | 80.2 | 71 | 171 | 49 |
| ROUGH RIDER | 2 | 2521 | 79 | 73 | 170 | 73 |
| ND9272 | 13 | 2505 | 76.7 | 64 | 170 | 59 |
| SD91192 | 5 | 2428 | 77.6 | 67 | 170 | 58 |
| AMP3JP4A7A | 26 | 2426 | 77.3 | 68 | 172 | 45 |
| SD92124 | 7 | 2383 | 76.2 | 64 | 168 | 53 |
| XNH1798 | 20 | 2308 | 79.2 | 62 | 168 | 35 |
| SD92227 | 10 | 2246 | 78.3 | 65 | 169 | 56 |
| SD92107 | 6 | 2166 | 77.2 | 65 | 170 | 49 |
| SD89153 | 4 | 2129 | 79.5 | 66 | 169 | 45 |
| KHARKOF | 1 | 1813 | 79.8 | 79 | 171 | 48 |
| NE93613 | 19 | 1798 | 76.7 | 69 | 170 | 36 |
| NE92662 | 16 | 1649 | 77.3 | 58 | 170 | 37 |
| NE92652 | 17 | 1625 | 81.1 | 60 | 169 | 30 |
| NE93554 | 18 | 1439 | 78.3 | 61 | 165 | 48 |
| MT88046 | 22 | 1394 | 77.7 | 58 | 169 | 34 |
| IDO467 | 24 | 1377 | 76.3 | 59 | 173 | 21 |
| AMQ3KC4C7B | 27 | 1323 | 75.4 | 71 | 174 | 33 |
| XNH1800 | 21 | 972 | 77.7 | 60 | 172 | 17 |
| NE92628 | 15 | 909 | 78 | 66 | 168 | 19 |
| ABILENE | 3 | 682 | 81.3 | 52 | 168 | 28 |
| MTS92042 | 23 | 541 | 76.4 | 62 | 172 | 8 |
| IDO483 | 25 | 0 | . | 52 | 168 | 1 |

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| MEAN | 1937 |
| LSD (.05) | 999 |
| C.V. | 36.5 |

MOCCASIN

MONTANA

THREE REPLICATIONS

| C.I. OR SEL. NO. | : ENTRY: NO. | : YIELD KG/HA | : VOLUME KG/HL | : PLANT HEIGHT CM | : DAYS TO HEADING FROM 1/1: |
|---------------------|--------------------|---------------------|----------------------|----------------------------|--------------------------------------|
| ND9257 | 12 | 2634 | 72.9 | 79 | 175 |
| KHARKOF | 1 | 2483 | 77.1 | 91 | 176 |
| AMQ3NQ4A7D | 28 | 2404 | 74.2 | 72 | 179 |
| NE92652 | 17 | 2382 | 78.2 | 69 | 175 |
| SD89153 | 4 | 2272 | 77.7 | 62 | 175 |
| XNH1800 | 21 | 2246 | 72.6 | 69 | 176 |
| NE92662 | 16 | 2234 | 72.2 | 62 | 171 |
| ND9272 | 13 | 2233 | 73.6 | 69 | 176 |
| SD92124 | 7 | 2181 | 74.1 | 59 | 171 |
| IDO467 | 24 | 2158 | 72.4 | 61 | 178 |
| ND9274 | 14 | 2150 | 73.4 | 64 | 175 |
| ROUGH RIDER | 2 | 2111 | 78 | 70 | 176 |
| XNH1798 | 20 | 2107 | 74.3 | 65 | 173 |
| NE93554 | 18 | 2095 | 74.6 | 64 | 171 |
| MT88046 | 22 | 2087 | 74.9 | 71 | 171 |
| AMP3JP4A7A | 26 | 2059 | 76.8 | 62 | 179 |
| SD92266 | 11 | 2056 | 74.9 | 65 | 175 |
| SD92191 | 9 | 2041 | 76.4 | 70 | 176 |
| AMQ3KF4B7A | 29 | 2036 | 74 | 69 | 179 |
| SD92107 | 6 | 2024 | 74.3 | 69 | 175 |
| SD92174 | 8 | 1996 | 76.5 | 70 | 175 |
| NE93613 | 19 | 1981 | 74.1 | 64 | 176 |
| ABILENE | 3 | 1955 | 78.9 | 50 | 171 |
| AMQ3KC4C7B | 27 | 1786 | 74 | 68 | 178 |
| SD91192 | 5 | 1752 | 75.3 | 66 | 175 |
| SD92227 | 10 | 1696 | 75.1 | 59 | 171 |
| MTS92042 | 23 | 1446 | 75.6 | 70 | 177 |
| NE92628 | 15 | 1410 | 73 | 63 | 175 |
| IDO483 | 25 | 713 | 72.4 | 64 | 178 |

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| MEAN | 2025 |
| LSD (.05) | 614 |
| C.V. | 18.6 |

BOZEMAN

MONTANA

THREE REPLICATIONS

| | : | : | YIELD | : | VOLUME | : | PLANT | : | DAYS TO |
|-------------|----|--------|-------|--------|--------|--------|-------|---------|-----------|
| C.I. OR | : | ENTRY: | : | WEIGHT | : | HEIGHT | : | HEADING | : |
| SEL. NO. | : | NO. | : | KG/HA | : | KG/HL | : | CM | : |
| | | | | | | | | | FROM 1/1: |
| AMQ3NQ4A7D | 28 | | 5586 | | 77.5 | | 91 | | 180 |
| IDO467 | 24 | | 5461 | | 76.9 | | 81 | | 177 |
| SD92107 | 6 | | 5349 | | 79.3 | | 97 | | 175 |
| XNH1798 | 20 | | 5308 | | 77.7 | | 85 | | 170 |
| ND9274 | 14 | | 5237 | | 78 | | 89 | | 174 |
| NE92652 | 17 | | 5185 | | 81.1 | | 86 | | 170 |
| XNH1800 | 21 | | 5183 | | 78.1 | | 81 | | 175 |
| SD89153 | 4 | | 5145 | | 81 | | 93 | | 173 |
| NE92662 | 16 | | 5084 | | 75.8 | | 88 | | 170 |
| IDO483 | 25 | | 5019 | | 79.9 | | 75 | | 170 |
| SD92227 | 10 | | 4981 | | 77.8 | | 90 | | 171 |
| ND9272 | 13 | | 4970 | | 78.2 | | 87 | | 174 |
| NE92628 | 15 | | 4970 | | 76.6 | | 88 | | 169 |
| ND9257 | 12 | | 4943 | | 78.4 | | 97 | | 175 |
| SD92191 | 9 | | 4920 | | 81.2 | | 100 | | 177 |
| SD92266 | 11 | | 4896 | | 79.8 | | 95 | | 172 |
| MTS92042 | 23 | | 4831 | | 79.9 | | 95 | | 175 |
| NE93554 | 18 | | 4788 | | 76.5 | | 80 | | 169 |
| AMP3JP4A7A | 26 | | 4770 | | 78 | | 94 | | 181 |
| SD91192 | 5 | | 4768 | | 79.7 | | 89 | | 174 |
| AMQ3KF4B7A | 29 | | 4712 | | 78.1 | | 89 | | 180 |
| NE93613 | 19 | | 4622 | | 77.7 | | 88 | | 176 |
| SD92124 | 7 | | 4620 | | 76.7 | | 87 | | 171 |
| SD92174 | 8 | | 4620 | | 80.8 | | 98 | | 175 |
| ABILENE | 3 | | 4539 | | 80.2 | | 70 | | 170 |
| AMQ3KC4C7B | 27 | | 4369 | | 77.1 | | 94 | | 180 |
| MT88046 | 22 | | 4214 | | 79.3 | | 89 | | 169 |
| KHARKOF | 1 | | 3959 | | 80.3 | | 107 | | 178 |
| ROUGH RIDER | 2 | | 3903 | | 80.5 | | 104 | | 178 |

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| MEAN | 4860 |
| LSD (.05) | 512 |
| C.V. | 6.4 |

LOMA

MONTANA

FOUR REPLICATIONS

| C.I. OR | : | : | YIELD | : | DAYS TO | : |
|-------------|---|--------|-------|---------|---------|-----------|
| SEL. NO. | : | ENTRY: | : | HEADING | : | : |
| SEL. NO. | : | NO. | : | KG/HA | : | FROM 1/1: |
| AMQ3NQ4A7D | : | 28 | : | 3490 | : | 174 |
| NE92628 | : | 15 | : | 3472 | : | 169 |
| XNH1800 | : | 21 | : | 3277 | : | 172 |
| MT88046 | : | 22 | : | 3274 | : | . |
| AMP3JP4A7A | : | 26 | : | 3260 | : | 175 |
| SD92227 | : | 10 | : | 3186 | : | 171 |
| XNH1798 | : | 20 | : | 3111 | : | 171 |
| SD91192 | : | 5 | : | 3064 | : | 171 |
| SD92174 | : | 8 | : | 2979 | : | 172 |
| ND9257 | : | 12 | : | 2976 | : | 172 |
| ROUGH RIDER | : | 2 | : | 2911 | : | 176 |
| NE92662 | : | 16 | : | 2909 | : | 169 |
| KHARKOF | : | 1 | : | 2901 | : | 176 |
| SD92266 | : | 11 | : | 2900 | : | 172 |
| ABILENE | : | 3 | : | 2894 | : | . |
| AMQ3KF4B7A | : | 29 | : | 2881 | : | 177 |
| IDO467 | : | 24 | : | 2879 | : | 174 |
| AMQ3KC4C7B | : | 27 | : | 2861 | : | 176 |
| IDO483 | : | 25 | : | 2832 | : | 170 |
| ND9272 | : | 13 | : | 2823 | : | 173 |
| ND9274 | : | 14 | : | 2759 | : | 172 |
| NE93554 | : | 18 | : | 2735 | : | 170 |
| SD89153 | : | 4 | : | 2635 | : | 172 |
| SD92191 | : | 9 | : | 2613 | : | 171 |
| NE92652 | : | 17 | : | 2607 | : | 169 |
| MTS92042 | : | 23 | : | 2586 | : | 172 |
| NE93613 | : | 19 | : | 2571 | : | 171 |
| SD92107 | : | 6 | : | 2475 | : | 172 |
| SD92124 | : | 7 | : | 2468 | : | 172 |

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|-----------|------|
| MEAN | 2908 |
| LSD (.05) | N.S. |
| C.V. | 17.8 |

LETHBRIDGE

ALBERTA

FOUR REPLICATIONS

| C.I. OR SEL. NO. | : ENTRY: NO. | : YIELD : KG/HA | : PLANT : HEIGHT CM | : DAYS TO : HEADING FROM 1/1: | : LODGING : 0-9 : |
|---------------------|--------------------|--------------------|---------------------------|-------------------------------------|-------------------------|
| AMQ3NQ4A7D | 28 | 3321 | 66 | 169 | 2 |
| AMQ3KF4B7A | 29 | 3210 | 67 | 169 | 2 |
| XNH1800 | 21 | 3098 | 62 | 166 | 2.8 |
| AMQ3KC4C7B | 27 | 2835 | 65 | 169 | 3 |
| SD92191 | 9 | 2782 | 72 | 167 | 2 |
| XNH1798 | 20 | 2595 | 63 | 165 | 2 |
| AMP3JP4A7A | 26 | 2592 | 65 | 169 | 2 |
| IDO467 | 24 | 2540 | 60 | 169 | 1.8 |
| READYMADE | 30 | 2524 | 68 | 168 | 2 |
| SD92174 | 8 | 2439 | 68 | 167 | 2 |
| SD89153 | 4 | 2391 | 67 | 165 | 2 |
| KHARKOF | 1 | 2230 | 77 | 167 | 2.3 |
| ND9274 | 14 | 2198 | 63 | 166 | 2.3 |
| SD92107 | 6 | 2165 | 66 | 166 | 2 |
| NE93554 | 18 | 2162 | 62 | 164 | 2 |
| NE93613 | 19 | 2136 | 67 | 166 | 2 |
| SD92124 | 7 | 2135 | 63 | 164 | 2 |
| ND9272 | 13 | 2004 | 60 | 166 | 2.5 |
| SD91192 | 5 | 2000 | 65 | 166 | 2 |
| NE92652 | 17 | 1989 | 61 | 165 | 2 |
| NE92662 | 16 | 1964 | 67 | 164 | 2 |
| SD92227 | 10 | 1946 | 62 | 164 | 2 |
| MT88046 | 22 | 1930 | 67 | 164 | 2 |
| MTS92042 | 23 | 1910 | 65 | 167 | 2 |
| IDO483 | 25 | 1909 | 57 | 166 | 2 |
| ROUGH RIDER | 2 | 1855 | 67 | 168 | 2 |
| ND9257 | 12 | 1810 | 66 | 167 | 2 |
| NE92628 | 15 | 1676 | 66 | 164 | 2 |
| SD92266 | 11 | 1574 | 65 | 164 | 2 |
| ABILENE | 3 | 1371 | 53 | 164 | 2 |

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|-----------|------|
| MEAN | 2243 |
| LSD (.05) | 318 |
| C.V. | 10.0 |

SASKATOON

SASKATCHEWAN

THREE REPLICATIONS

| | : | : | WINTER | : |
|-------------|----|--------|----------|---|
| C.I. OR | : | ENTRY: | SURVIVAL | : |
| SEL. NO. | : | NO. | % | : |
| KHARKOF | 1 | 53 | | |
| ROUGH RIDER | 2 | 71 | | |
| ABILENE | 3 | 38 | | |
| SD89153 | 4 | 34 | | |
| SD91192 | 5 | 62 | | |
| SD92107 | 6 | 50 | | |
| SD92124 | 7 | 29 | | |
| SD92174 | 8 | 47 | | |
| SD92191 | 9 | 41 | | |
| SD92227 | 10 | 33 | | |
| SD92266 | 11 | 55 | | |
| ND9257 | 12 | 29 | | |
| ND9272 | 13 | 71 | | |
| ND9274 | 14 | 58 | | |
| NE92628 | 15 | 42 | | |
| NE92662 | 16 | 50 | | |
| NE92652 | 17 | 33 | | |
| NE93554 | 18 | 31 | | |
| NE93613 | 19 | 66 | | |
| XNH1798 | 20 | 45 | | |
| XNH1800 | 21 | 31 | | |
| MT88046 | 22 | 17 | | |
| MTS92042 | 23 | 6 | | |
| IDO467 | 24 | 62 | | |
| IDO483 | 25 | 27 | | |
| AMP3JP4A7A | 26 | 81 | | |
| AMQ3KC4C7B | 27 | 85 | | |
| AMQ3NQ4A7D | 28 | 67 | | |
| AMQ3KF4B7A | 29 | 59 | | |
| KESTREL | 30 | 100 | | |
| CLAIR | 31 | 98 | | |
| OSPREY | 32 | 88 | | |

AMES

IOWA

TWO REPLICATIONS

| C.I. OR | : | : | YIELD | : | VOLUME | : | PLANT | : | DAYS TO | : | WINTER | : | LEAF RUST: | | |
|-------------|---|-----|-------|-------|--------|-------|-------|-----|---------|-----------|--------|-----|------------|-----|---|
| SEL. NO. | : | NO. | : | KG/HA | : | KG/HL | : | CM | : | FROM 1/1: | : | % | : | 0-9 | : |
| SD92266 | | 11 | | 4566 | | 75.7 | | 94 | | 158 | | 100 | | 4 | |
| ND9257 | | 12 | | 4479 | | 75.7 | | 70 | | 161 | | 100 | | 1 | |
| NE93613 | | 19 | | 4391 | | 72.1 | | 93 | | 159 | | 98 | | 5 | |
| ND9272 | | 13 | | 4284 | | 73.1 | | 84 | | 160 | | 100 | | 6 | |
| SD92174 | | 8 | | 4243 | | 74.7 | | 89 | | 159 | | 100 | | 7 | |
| NE92628 | | 15 | | 4227 | | 73.6 | | 91 | | 157 | | 95 | | 2 | |
| ND9274 | | 14 | | 4163 | | 71.3 | | 82 | | 158 | | 100 | | 6 | |
| SD92191 | | 9 | | 4153 | | 73.8 | | 87 | | 160 | | 100 | | 4 | |
| KNH1798 | | 20 | | 4102 | | 73 | | 84 | | 156 | | 100 | | 2 | |
| AMP3JP4A7A | | 26 | | 4062 | | 72.9 | | 92 | | 161 | | 100 | | 2 | |
| SD92107 | | 6 | | 4032 | | 72.8 | | 97 | | 158 | | 100 | | 2 | |
| NE92662 | | 16 | | 4015 | | 70.7 | | 85 | | 158 | | 100 | | 1 | |
| MTS92042 | | 23 | | 3931 | | 74.2 | | 92 | | 159 | | 100 | | 7 | |
| SD91192 | | 5 | | 3904 | | 74.1 | | 82 | | 158 | | 98 | | 6 | |
| NE92652 | | 17 | | 3840 | | 72.8 | | 92 | | 157 | | 95 | | 2 | |
| NE93554 | | 18 | | 3840 | | 73.9 | | 85 | | 156 | | 98 | | 3 | |
| SD92124 | | 7 | | 3837 | | 70.6 | | 89 | | 156 | | 100 | | 2 | |
| SD92227 | | 10 | | 3810 | | 73.7 | | 81 | | 157 | | 100 | | 2 | |
| ROUGH RIDER | | 2 | | 3800 | | 72 | | 88 | | 158 | | 100 | | 4 | |
| ABILENE | | 3 | | 3672 | | 74.4 | | 94 | | 156 | | 100 | | 4 | |
| MT88046 | | 22 | | 3638 | | 70 | | 84 | | 155 | | 100 | | 5 | |
| SD89153 | | 4 | | 3480 | | 71.3 | | 78 | | 158 | | 100 | | 7 | |
| KHARKOF | | 1 | | 3379 | | 67.1 | | 114 | | 161 | | 100 | | 7 | |
| AMQ3KC4C7B | | 27 | | 3265 | | 69.1 | | 91 | | 163 | | 98 | | 4 | |
| KNH1800 | | 21 | | 3114 | | 67 | | 88 | | 161 | | 100 | | 9 | |
| AMQ3KF4B7A | | 29 | | 3087 | | 63.2 | | 86 | | 166 | | 100 | | 3 | |
| AMQ3NQ4A7D | | 28 | | 3050 | | 71.6 | | 92 | | 164 | | 100 | | 2 | |
| IDO467 | | 24 | | 2865 | | 60.5 | | 92 | | 165 | | 95 | | 7 | |
| IDO483 | | 25 | | 2798 | | 69.8 | | 102 | | 158 | | 70 | | 7 | |

MEAN 3794
LSD (.05) .
C.V. .