

Forage Crops

Variety Description Key

Except for long term average yield and quality data, variety description information was obtained from the Co-operative Registration Trials.

Disease Resistance Ratings: (HS) highly susceptible; (S) susceptible; (MS) moderately susceptible; (MR) moderately resistant; (R) resistant; (n/a) not available.

☞ Indicates a variety that is protected by Plant Breeder's Rights legislation that complies with UPOV 1978.

Ⓢ Indicates a variety that is protected by, or has been applied for and is pending, Plant Breeder's Rights legislation that complies with UPOV 1991.

The Canadian Seed Trade Association (CSTA) has launched the new Crop Varieties Registered in Canada and Plant Breeders' Rights Status database to assist seed sector stakeholders to easily identify PBR protection on crop varieties registered for sale in Canada: <http://cdnseed.org/library/crop-kinds-database/>. Additional information is also available at www.PBRfacts.ca.

Key to Yield or Quality Tables

Numbers in brackets indicate site years. Site years tested is the number of locations added up over the years that variety has been tested in trials against the check. The more site years the more dependable the data. Use data with caution when there are fewer than 3 site years for annual crops and 9 site years for perennial crops.

CV % = Coefficient of Variation. A measure of random variation in a trial. A low CV is desirable.

LSD = Least Significant Difference. Varieties must differ by the LSD to be considered significantly different from one another.

Forage Variety Registration Changes

Amendments to the Seeds Act, Seeds Regulations are now in effect that streamline the variety registration process for forage varieties.

Forage crops are moved to Part III of Schedule III of the Seeds Regulations. Recommending Committees are no longer required for the registration of forage crop varieties, since the testing and merit requirements are removed. Registration still requires a standard application package to enable the CFIA to continue to protect health and safety, prevent fraud, and facilitate seed certification.

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Manitoba Agriculture Variety Guide

FORAGE ADAPTATION & COMPARISON GUIDE

LEGUMES

| Forage | Use | Longevity | Winter Hardiness | Tolerance to: | | | Preferred Climate and Growing Conditions |
|-------------------|---------------|-----------|------------------|------------------|----------|-----------------|--|
| | | | | Drought | Flooding | Salinity | |
| Alfalfa | Hay & Pasture | Long | Good | Good | Low | Low to Moderate | Wildely adapted to most Manitoba soils but will not tolerate areas that have periodic flooding. |
| Aliske Clover | Hay & Pasture | Short | Fair | Poor | Moderate | Low | Low-lying moist areas. |
| Birdsfoot Trefoil | Pasture | Long | Good | Moderate | High | Low to Moderate | Moist areas. |
| Cicer Milkvetch | Pasture | Long | Good | Moderate to High | Low | Moderate | Wildely adapted but exhibits its creeding habit best on more coarse textured soils. |
| Red Clover | Hay & Pasture | Short | Poor | Low | High | Low | Best suited to humid areas with moderate temperatures. |
| Sainfoin | Pasture | Long | Fair | High | Low | Low | Best on brown and dark brown soil areas. In very dry areas it yields poorly. Does well on thin gravelly soils. |
| Sweet Clover | Hay & Pasture | 2-years | Fair | Moderate to High | Low | Moderate | Especially productive on fertile soils. |

TAME GRASSES

| | | | | | | | |
|---------------------------|---------------|---------------------|-----------|------------------|----------|-----------------|--|
| Altai Wild Ryegrass | Pasture | Long | Excellent | High | Low | Very High | Loam & clay soils best, but grows on a wide range of soils. Doesn't appear adapted to Manitoba conditions. |
| Annual (Italian) Ryegrass | Hay & Pasture | Short annual 1 year | Poor | Low | High | Low | Produces best on soils of medium to high fertility and grows best with adequate moisture. |
| Creeping Foxtail | Pasture | Long | Good | Low | High | Moderate | Adapted to areas where reed canarygrass grows well and soil moisture is continually available. |
| Creeping Red Fescue | Pasture Lawn | Long | Excellent | Moderate | Moderate | Low | Does best in high rainfall areas. Will grow in wide range of soil types. |
| Crested Wheatgrass | Hay & Pasture | Long | Excellent | Moderate to High | Low | Low to Moderate | Adapted to dry areas with good soils but will also establish on lighter soils. |
| Dahurian Wild Ryegrass | Pasture | Short | Good | Moderate | Low | High | Adapted to all soil zones. |
| Intermediate Wheatgrass | Hay & Pasture | Short to Medium | Good | Moderate to High | Low | Low | Well drained soils with ample moisture. |

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FORAGE ADAPTATION & COMPARISON GUIDE — Tame Grasses (*continued*)

| Forage | Use | Longevity | Winter Hardiness | Tolerance to: | | | Preferred Climate and Growing Conditions |
|-----------------------|---------------|----------------|------------------|------------------|------------------|-----------------|---|
| | | | | Drought | Flooding | Salinity | |
| Kentucky Blue Grass | Pasture Lawn | Long | Excellent | Moderate | Moderate | Low | Prefers cool and humid. Grows on most soils. |
| Meadow Bromegrass | Hay & Pasture | Long | Good | High | Low | Low | Grows well on most soils where Smooth Brome does well. |
| Meadow Fescue | Pasture | Short - Medium | Good | Moderate | High | Low to Moderate | Prefers soil with good moisture and good drainage. |
| Meadow Foxtail | Pasture | Long | Good | Low | High | Low | Prefers cool moist conditions, high water table. |
| Orchard Grass | Hay & Pasture | Short | Fair | Moderate | Low to Moderate | Low | Prefers moist conditions. Sandy soils are too dry for good growth unless in high rainfall area. |
| Perennial Ryegrass | Hay & Pasture | Short | Poor | Low | Low | Low | Needs high precipitation and fertility for high yields. Adapted to wide range of soils. |
| Pubescent Wheatgrass | Hay & Pasture | Medium | Good | Moderate to High | Low | Low to Moderate | Widely adaptable to precipitation, temperature, elevation, and low fertility soil. |
| Russian Wild Ryegrass | Pasture | Long | Excellent | Very High | Low | Very High | Can be grown on a wide range of soils. Most productive on fertile loams. |
| Smooth Bromegrass | Hay & Pasture | Long | Excellent | Moderate | Moderate | Low to Moderate | Well adapted to all soils in Manitoba. |
| Tall Fescue | Pasture | Medium | Good | Moderate | Moderate to High | High | Variety of soils. Does well on wet, poorly drained soils. |
| Tall Wheatgrass | Hay & Pasture | Medium | Excellent | Low | High | High | Adapted to saline and imperfectly drained alkali soils. |
| Timothy | Hay & Pasture | Medium | Good | Low | High | Low | Cool moist areas with good drainage. |

NATIVE GRASSES

| | | | | | | | |
|---------------------|----------------|--------|-----------|------------------|------------------|-----------------|---|
| Awned Wheatgrass | Hay & Pasture | Medium | Good | Moderate | Moderate | Low to Moderate | Prefers moderately sandy to loam soils with good moisture and drainage. Found in moist flats, meadows and low growing bushes. |
| Big Bluestem | Pasture | Long | Good | Low to Moderate | Moderate | Low to Moderate | Grows under a wide range of conditions. |
| Green Needlegrass | Pasture | Long | Good | High | Moderate | Low to Moderate | Performs best on medium to heavy textured soils. Prefers moist sites with good drainage. |
| Little Bluestem | Pasture | Long | Good | High | Low | Moderate | Sandy, gravelly soils with shallow water table or where snow accumulates. Common on prairie upland. |
| Northern Wheatgrass | Pasture | Long | Good | Very High | Moderate | Moderate | Prefers medium to coarse textured soil. |
| Prairie Cord Grass | Hay & Riparian | Long | Good | Low to Moderate | High | Low to Moderate | Wide range of soils (sand to clay) - does best on seasonally dry areas, marsh edges, wet meadows, drainageways. |
| Reed Canarygrass | Hay & Pasture | Long | Good | Moderate | Very High | Low | Moist cool climate. Poorly drained areas subject to temporary flooding. |
| Side Oats Grama | Hay & Pasture | Long | Good | Moderate to High | Low | Low to Moderate | Adapted to a range of soils. Performs best on fine textured soils. Found on rocky ridges, open grasslands and hillsides. |
| Slender Wheatgrass | Hay & Pasture | Medium | Good | Moderate | Moderate | High | Widely adapted - prefers sandy loams. |
| Switch Grass | Pasture | Medium | Fair | Low | Moderate | Moderate | It has potential for good summer pasture when enough moisture. Grows best on loam and sandy loams. |
| Western Wheatgrass | Hay & Pasture | Long | Excellent | High | Moderate to High | High | Widely adapted - prefers heavy moderately alkaline soil. Tolerates periodic flooding. |

Source: Manitoba Agriculture, Food and Rural Development — Forage Adaptation & Comparison Guide

Comments:

The silage corn hybrid trial was tested and the data donated by the Manitoba Corn Committee.

The data presented is for one year only. Use with caution.

All hybrids were evaluated at a plant population of 28,000 plants per acre. Plots are planted at a higher rate and thinned to achieve the target population.

Yields are corrected to 65% moisture content.

The Manitoba Corn Committee publishes the annual results along with more detailed lab analysis in their brochure. The brochure is available by calling the Manitoba Corn Growers Association office at 204-745-6661.

| CHU ¹ | Hybrid | Technology/ Genetic Traits ² | Distributor | St. Pierre | | | | | | |
|------------------|-----------------|--|--------------------------|----------------------|------------------------------|------------|------------|------------|------------------------------------|------------------------------------|
| | | | | 65% Yield (Mt/ac) | Moisture ³ (%) | TDN (%) | ADF (%) | NDF (%) | Milk/Acre ⁴ (lbs/ac) | Beef/Acre ⁵ (lbs/ac) |
| 2125 | A4177G3 RIB | VT3P | PRIDE Seeds | 19.5 | 59.8 | 61.0 | 35.3 | 57.6 | 17,845 | 1,524 |
| 2150 | YUKON R | RR2 | Elite Seeds | 21.9 | 66.2 | 63.2 | 33.2 | 54.7 | 19,080 | 1,773 |
| 2175 | PS 2210VT2P RIB | GENVT2P | DLF Pickseed Canada Inc. | 23.8 | 66.2 | 67.4 | 29.3 | 49.7 | 21,039 | 2,060 |
| 2200 | PS 2320RR | RR2 | DLF Pickseed Canada Inc. | 24.2 | 64.5 | 68.8 | 28.0 | 48.0 | 19,456 | 2,130 |
| 2200 | FUSION RR | RR2 | Elite Seeds | 20.3 | 67.1 | 62.3 | 34.0 | 55.1 | 16,146 | 1,624 |
| 2200 | E47A17 R | RR2 | Elite Seeds | 21.5 | 67.5 | 67.4 | 29.3 | 50.6 | 20,756 | 1,855 |
| 2200 | LR 9676VT2PRIB | VT2PRIB | Legend Seeds | 18.5 | 64.3 | 67.5 | 29.2 | 48.3 | 15,848 | 1,599 |
| 2200 | V30787 | RR | Northstar Seeds | 21.1 | 58.9 | 66.8 | 29.8 | 47.8 | 19,429 | 1,810 |
| 2200 | A4415G2 RIB | VT2P | PRIDE Seeds | 19.8 | 61.2 | 61.5 | 34.8 | 55.9 | 16,915 | 1,564 |
| 2200 | TH4578 | RR | Thunder Seeds | 24.6 | 58.0 | 64.1 | 32.3 | 53.6 | 23,638 | 2,026 |
| 2200 | TH 7677VT2P RIB | VT2P | Thunder Seeds | 25.5 | 64.8 | 68.0 | 28.7 | 48.0 | 23,762 | 2,225 |
| 2225 | TH 7578VT2P RIB | VT2P | Thunder Seeds | 21.9 | 63.7 | 65.2 | 31.3 | 53.0 | 20,541 | 1,831 |
| 2250 | X14123VH | B/RR | DOW Seeds | 24.1 | 66.4 | 69.1 | 27.6 | 46.6 | 22,256 | 2,140 |
| 2250 | 4085 | HXT/LL/RR | DOW Seeds | 22.0 | 67.4 | 75.5 | 21.6 | 33.4 | 18,533 | 2,133 |
| 2250 | LR 9579RR | RR2 | Legend Seeds | 19.6 | 66.8 | 57.9 | 38.1 | 60.6 | 18,843 | 1,454 |
| 2250 | MZ 1482R | RR | Maize Seeds Inc. | 18.9 | 57.7 | 60.5 | 35.7 | 58.4 | 18,633 | 1,465 |
| 2250 | TH4126 | RR | Thunder Seeds | 23.0 | 67.0 | 70.2 | 26.6 | 45.5 | 20,750 | 2,069 |
| 2300 | DS80A27 | SSX | DOW Seeds | 22.8 | 65.6 | 77.3 | 20.0 | 36.9 | 20,925 | 2,258 |
| 2300 | LF 730CBR | GENVT3P | Maize Seeds Inc. | 21.5 | 66.4 | 61.1 | 35.1 | 56.9 | 18,867 | 1,690 |
| 2300 | A4705HMRR | RR2 | PRIDE Seeds | 19.7 | 66.1 | 64.0 | 32.4 | 55.2 | 16,673 | 1,619 |
| 2350 | HZ 675 | GTCBLL | Horizon Seeds | 22.9 | 69.1 | 66.9 | 29.8 | 48.7 | 19,829 | 1,961 |
| 2350 | A4939G2 RIB | VT2P | PRIDE Seeds | 20.6 | 69.3 | 65.9 | 30.7 | 51.1 | 19,556 | 1,744 |
| 2350 | TH 7681VT2P RIB | VT2P | Thunder Seeds | 24.5 | 64.2 | 68.2 | 28.5 | 48.2 | 21,379 | 2,149 |
| 2350 | HZ1885 | Agrisure 3010 | Horizon Seeds | 19.2 | 67.4 | 68.3 | 28.4 | 47.9 | 19,126 | 1,686 |
| 2375 | HZ 730GT | GT | Horizon Seeds | 22.2 | 56.1 | 60.9 | 35.3 | 57.2 | 20,976 | 1,738 |
| 2375 | A5095G2 RIB | VT2P | PRIDE Seeds | 21.1 | 67.0 | 68.0 | 28.7 | 47.2 | 17,269 | 1,841 |
| 2400 | E50P52 R | VT2P | Elite Seeds | 23.4 | 64.5 | 67.2 | 29.5 | 48.8 | 21,226 | 2,014 |
| 2400 | HX 13103T | 3000GT | Horizon Seeds | 22.7 | 60.0 | 61.2 | 35.0 | 57.0 | 20,768 | 1,784 |
| 2400 | HX 15203T | 3000GT | Horizon Seeds | 24.6 | 63.0 | 67.4 | 29.3 | 49.0 | 21,494 | 2,132 |
| 2400 | DKC 32-12RIB | GENVT2P | Monsanto Canada | 25.8 | 62.5 | 68.8 | 27.9 | 48.0 | 23,506 | 2,281 |
| 2400 | AS1047RR EDF | RR2 | PRIDE Seeds | 22.9 | 69.8 | 66.9 | 29.7 | 50.5 | 19,299 | 1,962 |
| 2425 | TMF8106 | SSX | DOW Seeds | 22.9 | 70.7 | 62.8 | 33.5 | 54.3 | 22,102 | 1,843 |
| 2475 | PS 2552RR | RR2 | DLF Pickseed Canada Inc. | 21.1 | 67.3 | 66.0 | 30.6 | 49.7 | 20,009 | 1,785 |
| 2475 | TMF86H77 | SSX | DOW Seeds | 25.2 | 67.2 | 71.2 | 25.7 | 44.0 | 22,491 | 2,309 |
| 2475 | A5433G3 RIB | VT3P | PRIDE Seeds | 22.2 | 68.8 | 55.4 | 40.4 | 64.2 | 27,119 | 1,575 |
| 2500 | VENZA R | RR2 | Elite Seeds | 25.1 | 68.4 | 60.6 | 35.6 | 59.0 | 25,110 | 1,951 |
| 2525 | TMF91Q25 | SSX | DOW Seeds | 23.6 | 71.0 | 73.8 | 23.2 | 43.0 | 20,634 | 2,239 |
| 2550 | X14008GH | B/RR | DOW Seeds | 25.9 | 64.9 | 66.3 | 30.3 | 50.2 | 23,770 | 2,200 |
| 2600 | X14225SX | SSX | DOW Seeds | 23.2 | 67.8 | 71.4 | 25.5 | 43.6 | 21,775 | 2,123 |
| 2600 | F2F298 | HX1/LL/RR | DOW Seeds | 22.2 | 68.4 | 69.8 | 27.0 | 47.0 | 18,134 | 1,988 |
| 2650 | TMF94L37 | SX | DOW Seeds | 27.9 | 67.0 | 71.2 | 25.7 | 44.7 | 23,069 | 2,544 |
| 2650 | E57L62 R | VT2P | Elite Seeds | 24.0 | 71.6 | 67.1 | 29.6 | 49.3 | 23,546 | 2,065 |
| 2650 | DKC 37-93RIB | GENVT2P | Monsanto Canada | 23.4 | 66.3 | 66.7 | 29.9 | 49.8 | 22,922 | 2,005 |
| 2700 | TH4188 | RR | Thunder Seeds | 21.7 | 68.1 | 62.0 | 34.3 | 56.3 | 18,123 | 1,726 |
| Site Average | | | | 22.4 | 65.4 | | | | | |
| CV | | | | 12.0 | 5.5 | | | | | |
| Sign Diff | | | | Yes | Yes | | | | | |
| LSD | | | | 4.4 | 5.9 | | | | | |
| Planting Date | | | | May 17, 2016 | | | | | | |
| Harvest Date | | | | September 22, 2016 | | | | | | |

1 Each company assigns a corn heat unit (CHU) rating to each of their hybrids. The CHU rating is a measure of relative maturity and is one criteria for choosing a hybrid which is suitable for your growing region.

2 The Canadian Seed Trade Association (CSTA) website provides a database for corn hybrids available in Canada, available at <http://cdnseed.org/list-of-corn-hybrids/>. Information provided includes technology brand name and refuge requirements. BT, HX1, CB, YGCB, VT2PRIB, - resistance to European corn borer; RR, RR2, GT - glyphosate herbicide tolerant; LL - Liberty herbicide tolerant.

3 Moisture content at harvest.

4 Milk per Acre was calculated using Milk 2006, a model developed by the University of Wisconsin Extension Service.

5 Beef per acre was calculated on the assumption that one pound of beef is produced for every six pounds of TDN.

ANNUAL FORAGE — Variety Descriptions

Variety descriptions for wheat, barley and oat crop types can be found in the Cereal Crops section of SEED Manitoba 2017 pages xxxx

Field pea variety information can be found on page XX

Quality is highly dependent on plant maturity at harvest. For optimum quality: harvest barley at early-mid dough stage; oats & triticale at milk-early dough stage; peas at early pod formation; millet at early heading.

| Variety | Seed Source | | | Days to Maturity (Banjo) | Resistance Level | | | | |
|--------------------------|-------------|------------|----------------------|--------------------------|------------------|-----------|-----------|------|----------|
| | | | | | Lodging | Stem Rust | Leaf Rust | Bunt | Fusarium |
| TRITICALE | | | | | | | | | |
| AC Alta | 12 | — | — | -1 | G | R | R | R | — |
| AC Certa | 12 | — | — | -3 | G | R | R | R | I |
| Banjo | 4 | — | — | 100 days | G | R | R | R | — |
| Pronghorn | 12 | — | — | -4 | G | R | R | R | I |
| SANDRO | 4 | — | — | -3 | G | R | R | R | — |
| | Seed Source | Seed Color | Seed Size (seeds/lb) | Days to Head | Days to Maturity | | | | |
| FOXTAIL MILLET | | | | | | | | | |
| Yellow (Golden German) | 13 | Yellow | 160-170,000 | 75-90 | 95-110 | | | | |
| Red (Siberian) | 13 | Red | 169-170,000 | 55-70 | 70-90 | | | | |
| PROSO MILLET | | | | | | | | | |
| Green (Crown) | 13 | Gray/Green | 70-90,000 | 50-60 | 85-90 | | | | |
| Red (Cerise) | 13 | Red | 70-90,000 | 50-60 | 85 | | | | |
| Yellow (AC Prairie Gold) | 17 | Yellow | 70-90,000 | 50-60 | 75 | | | | |

ANNUAL FORAGE — Yield Comparisons

| Variety | Manitoba Mean ¹ | | Yield at Test Sites % of check ¹ | | | | | Forage Quality ² | | | | |
|-------------------|----------------------------|-------------|---|-----------------------|-----------------------|----------|---------|-----------------------------|--------|---------|----------------------------|------------|
| | % of Virden | % of Ranger | Arborg | Boissevain/ Melita | Hamiota/ Minnedosa | Rosebank | Roblin | RFV (%) | CP (%) | TDN (%) | Beef ³ (lbs/ac) | Site Years |
| BARLEY | | | | | | | | | | | | |
| AC Ranger (6F) | 105 (12) | 100 (24) | 100 (6) | 100 (6) | — — | 100 (6) | 100 (6) | 123 | 9.8 | 65 | 1011 | (6) |
| CDC Austenson(2)☉ | — | 100 (4) | 102 (1) | 101 (1) | — — | 88 (1) | 102 (1) | 123 | 9.6 | 63 | 1099 | (1) |
| CDC Cowboy (2F)☉ | — | 103 (24) | 101 (6) | 97 (6) | — — | 103 (6) | 110 (6) | 112 | 9.6 | 63 | 1018 | (6) |
| CDC Mindon(2)☉ | — | 97 (8) | 95 (2) | 93 (2) | — — | 94 (2) | 107 (2) | 133 | 9.0 | 64 | 1043 | (2) |
| Champion(2)☉ | — | 107 (12) | 107 (3) | 97 (3) | — — | 108 (3) | 116 (3) | 136 | 12.1 | 65 | 1185 | (3) |
| Chigwell(6)☉ | — | 96 (4) | 87 (1) | 97 (1) | — — | 98 (1) | 103 (1) | 115 | 8.8 | 62 | 1038 | (1) |
| Desperado(6F)☉ | — | 105 (4) | 104 (1) | 104 (1) | — — | 104 (1) | 111 (1) | 111 | 7.7 | 61 | 1099 | (1) |
| Lacey (6W)☉ | — | 92 (12) | 89 (3) | 101 (3) | — — | 93 (3) | 86 (3) | 111 | 10.4 | 66 | 878 | (3) |
| Virden (6F) | 100 (28) | 99 (13) | 100 (7) | 100 (7) | 100 (4) | 100 (3) | 100 (3) | 103 | 10.4 | 63 | 910 | (3) |
| Variety | Manitoba Mean ¹ | | Yield at Test Sites % of check ¹ | | | | | Forage Quality ² | | | | |
| | % of Triple Crown | | Arborg | Boissevain/ Melita | Hamiota/ Minnedosa | Rosebank | Roblin | RFV (%) | CP (%) | TDN (%) | Beef ³ (lbs/ac) | Site Years |
| OATS | | | | | | | | | | | | |
| Furlong☉ | 97 (11) | | 103 (3) | 102 (3) | — — | 75 (2) | 101 (3) | 111 | 11.0 | 64 | 997 | (3) |
| Jordan☉ | 102 (12) | | 94 (3) | 102 (3) | — | 94 (3) | 97 (3) | 98 | 9.3 | 61 | 1061 | (3) |
| Pinnacle☉ | 95 (26) | | 99 (5) | 99 (8) | 100 (4) | 90 (3) | 94 (4) | 100 | 8.8 | 60 | 1049 | (3) |
| Triactor☉ | 99 (8) | | 105 (2) | 101 (2) | — | 92 (2) | 98 (2) | 107 | 9.2 | 61 | 1177 | (2) |
| Triple Crown | 100 (34) | | 100 (7) | 100 (10) | 100 (4) | 100 (5) | 100 (6) | 113 | 10.4 | 61 | 1058 | (6) |
| Variety | Manitoba Mean ¹ | | Yield at Test Sites % of check ¹ | | | | | Forage Quality ² | | | | |
| | % of Banjo | | Arborg | Boissevain/ Melita | Hamiota/ Minnedosa | Rosebank | Roblin | RFV (%) | CP (%) | TDN (%) | Beef ³ (lbs/ac) | Site Years |
| TRITICALE | | | | | | | | | | | | |
| AC Alta | 104 (11) | | 82 (1) | 117 (4) | 94 (4) | — | — | — | — | — | — | — |
| AC Certa | 99 (11) | | 93 (1) | 104 (4) | 93 (4) | — | — | — | — | — | — | — |
| Banjo | 100 (19) | | 100 (3) | 100 (6) | 100 (4) | — | — | 105 | 10.4 | 61 | 1052 | (2) |
| Pronghorn | 108 (3) | | 108 (2) | — | — | — | — | — | — | — | — | — |
| SANDRO | 101 (11) | | 81 (1) | 108 (4) | 98 (4) | — | — | — | — | — | — | — |
| TR-196 | 88 (4) | | 92 (1) | 72 (1) | — | 97 (1) | 89 (1) | 106 | 9.0 | 61 | 856 | (2) |

| Variety | Manitoba Mean ¹ % of 4010 | Yield at Test Sites % of check ¹ | | | | | Forage Quality ² | | | | |
|---|--|---|-----------------------|-----------------------|----------|---------|-----------------------------|-----------|------------|-------------------------------|---------------|
| | | Arborg | Boissevain/ Melita | Hamiota/ Minnedosa | Rosebank | Roblin | RFV (%) | CP (%) | TDN (%) | Beef ³ (lbs/ac) | Site Years |
| PEAS | | | | | | | | | | | |
| 40-10 (Check) | 100 (22) | 100 (5) | — | — | — | 100 (4) | 122 | 16 | 57 | 980 | (4) |
| CDC Leroy | 105 (22) | 96 (5) | — | — | — | 95 (4) | 154 | 16 | 63 | 1136 | (4) |
| CDC Minuet | 95 (22) | 97 (5) | — | — | — | 100 (4) | 155 | 16 | 64 | 1050 | (4) |
| CDC Sonata | 104 (22) | 98 (5) | — | — | — | 96 (4) | 141 | 17 | 60 | 1077 | (4) |
| CDC Tucker | 105 (22) | 94 (5) | — | — | — | 99 (4) | 142 | 16 | 62 | 1118 | (4) |
| Trapper | 90 (22) | 83 (5) | — | — | — | 87 (4) | 129 | 17 | 58 | 898 | (4) |
| Variety | Manitoba Mean ¹ % of check | Yield at Test Sites % of check ¹ | | | | | Forage Quality ² | | | | |
| | | Arborg | Boissevain/ Melita | Hamiota/ Minnedosa | Rosebank | Roblin | RFV (%) | CP (%) | TDN (%) | Beef ³ (lbs/ac) | Site Years |
| FOXTAIL MILLET | | | | | | | | | | | |
| Yellow (Golden German) | 100 (9) | 100 (1) | 100 (3) | — | 100 (2) | 100 (3) | 85 | 9.4 | 59 | 828 | (3) |
| Red (Siberian) | 93 (9) | 78 (1) | 90 (3) | — | 99 (2) | 105 (3) | 89 | 9.7 | 59 | 791 | (3) |
| Check - Golden German average DM yield 5602 lb/ac (6273 kg/ha) over 9 site years. | | | | | | | | | | | |
| PROSO MILLET | | | | | | | | | | | |
| Green (Crown) | 100 (10) | 100 (1) | 100 (3) | — | 100 (3) | 100 (3) | 99 | 10.2 | 61 | 823 | (3) |
| Red (Cerise) | 101 (10) | 91 (1) | 109 (3) | — | 93 (3) | 112 (3) | 98 | 10.4 | 61 | 862 | (3) |
| Yellow (AC Prairie Gold) | 102 (10) | 95 (1) | 100 (3) | — | 91 (3) | 121 (3) | 99 | 10.5 | 61 | 836 | (3) |
| Check - Crown average DM yield 4639 lb/ac (5195 kg/ha) over 10 site years. | | | | | | | | | | | |
| CHECK VARIETIES | | | | | | | | | | | |
| | Virden | 8788 | lb/ac | | | | | | | | |
| | AC Ranger | 6292 | lb/ac | | | | | | | | |
| | Triple Crown | 9927 | lb/ac | | | | | | | | |
| | Banjo | 10148 | lb/ac | | | | | | | | |
| | 40-10 | 9192 | lb/ac | | | | | | | | |

1 Data collected over 6 years (2003-2008) on six sites: Arborg, Roblin (MB), Sutherland, Floral (SK), Lacombe, Edmonton (AB).

2 Forage quality: average values from a Manitoba Forage Council test in 2005-2010 on 4 sites (Arborg, Melita, Roblin, Rosebank).

3 Relative Feed Value (RFV), Crude Protein (CP), Total Digestive Nutrients (TDN). Beef, is an estimation of pounds of beef produced under optimum feeding conditions using a rule of thumb that one pound of beef requires an average of 6 lbs of TDN.

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results for your farm.

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ALFALFA — Variety Descriptions

| Variety | Root Type ¹ | Use ² | Fall ³ | Winter | Maturity ⁵ | Resistance Level: ⁶ | | | Notes ⁷ | Seed Source |
|------------------------------|------------------------|------------------|-------------------|------------------------|-----------------------|--------------------------------|----|-----|---|-------------|
| | | | Dormancy | Hardiness ⁴ | | BW | VW | PRR | | |
| 53Q60 | Taproot | H,P | 3 | 3.0 | Early | HR | R | HR | | 10 |
| 54Q25 | Taproot | H,P | 4 | — | — | HR | HR | HR | | 10 |
| 54V46 | Taproot | H | 4 | 3.0 | — | R | R | R | | 10 |
| 54V54 | Taproot | H | 4 | 2.5 | — | HR | HR | HR | | 10 |
| Able | Taproot | H,P | 2.5 | 2.9 | Early | HR | HR | HR | | 9 |
| AC Blue J | Taproot | H | — | — | Medium | HR | R | R | | 14 |
| AC Grazeland Br [®] | Taproot | P,H | 2 | — | Medium | R | S | — | Bloat reduced | 9 |
| AC Longview | Taproot | H | 3 | 2.9 | Medium | HR | R | — | | 9 |
| AC Manitou | — | — | — | — | — | — | — | — | — | — |
| AC Totem | — | — | — | — | — | — | — | — | — | — |
| Algonquin | Taproot | H,P | 2 | 2.1 | Medium | HR | S | S | | 13 |
| AmeriStand 201+Z | Taproot | H | 2 | 1.7 | — | HR | HR | HR | Sunken crown | 17 |
| Apica | Taproot | H | 3 | 2.3 | Early | R | S | S | | 15 |
| AT05 | — | — | — | — | — | — | — | — | — | — |
| Beaver | Taproot | H,P | 2 | 2.1 | Medium | R | S | S | | 13 |
| Equinox | Taproot | H | 3.5 | — | Medium | HR | HR | HR | | 17 |
| Forerunner | Taproot | H | 2 | — | Early | HR | HR | HR | Multifoliate | 5 |
| Gala | Taproot | H | 2 | 2.7 | Early | HR | HR | HR | Multifoliate | 17 |
| Halo | Taproot | H | 4 | | | R | R | R | (HR)-Anthracnose, Fusarium; (R)-Aphanomyces | 17 |
| Heinrichs | Creeping | P,H | 1 | 2.1 | Medium-Late | R | — | — | | 17 |
| LRC07 4151L | — | — | — | — | — | — | — | — | — | — |
| Matrix | Creeping | P,H | 2 | — | Medium | HR | MR | R | Resistant pea aphid | 6 |
| Multi5301 | Taproot | H | 3 | 2.9 | Early-Medium | HR | R | R | Multifoliate | 6, 8 |
| Pickseed 2065MF | Taproot | H | 3.7 | 2.0 | — | HR | R | HR | Multifoliate | 9 |
| Pickseed 3006 | Creeping | P,H | 2 | — | — | HR | MR | MR | | 9 |
| Rambler | Creeping | P,H | 1 | — | Late | MR | S | S | | 13 |
| Rangelander | Creeping | P,H | 1 | 2.0 | Late | S | S | S | | 14 |
| Runner | Creeping | P,H | 2 | 2.6 | Medium-Late | HR | S | — | | 7 |
| SC A101 | — | — | — | — | — | — | — | — | — | — |
| Spredor 4 | Creeping | P,H | 1.5 | 2.0 | Medium | HR | HR | HR | | 17 |
| Spyder | Creeping | P,H | 1 | 1.0 | Medium-Late | HR | R | R | | 2 |
| Starbuck | Taproot | H | 3.7 | — | — | HR | R | HR | Multifoliate | 9 |
| Stealth SF | Taproot | H | 4 | 1.9 | Early | HR | R | HR | | 7 |
| Survivor | Taproot | H | 3 | — | Medium | HR | R | HR | Sunken Crown | 2 |
| Tophand | Taproot | H | 4 | — | Medium | HR | HR | HR | Multifoliate | 7 |
| Trident II | Taproot | H | 3 | — | Early | | | | | 3 |
| Ultra | Taproot | H | 3 | — | Medium | | | R | | 5 |

Check - Beaver Average Dry Matter Yield 8990 lb/ac (10,058 kg/ha) over 150 site years.

- 1 Creeping rooted alfalfa types can be more tolerant to grazing than tap rooted types, and may offer better winter hardiness.
- 2 Use: (H)Hay - developed for maximum yield; may have lower persistence under grazing;(P) Pasture - low growing, higher grazing tolerance. First letter is preferred use
- 3 FD: indicates the varieties characteristic to go dormant in fall. FD 9: will grow vigorously in fall; FD 2: will have little fall growth evident. Varieties with ratings of 1 - 4 are considered adequately winter hardy for Manitoba conditions while those of 5 or higher are not well adapted. Varieties with higher ratings should be managed carefully.
- 4 WH: ability of plants to survive winter and be productive next year. Ratings utilize North American approved Winter Hardiness Zone ratings. Varieties are compared against known check varieties (1=most hardy, 5=least hardy). Score of 1 indicates adaptation to all zones, score of 2 indicates adaptability in zones 2 and above, score of 3 indicates adaptability in 3 and above. (See Winter Hardiness Zone map in front of forage section). Scores are from the Manitoba Forage Council and 3rd party northern US tests using a minimum of 4 sites years of data over 2 winters. Grazing Tolerance: University of Manitoba study (1996 - 1999) determined winter hardiness was more influential than grazing tolerance to stand persistence under grazing.
- 5 Maturity rating indicates relative comparison of first flowering dates. Early varieties will bloom before late varieties, may provide more cuts/year, but are less hardy.
- 6 Disease Resistance:(HR) highly resistant; (R) resistance; (MR) moderately resistant; (S) no resistance. Bacterial Wilt (BW), Verticillium Wilt (VW) Phytophthora Root Rot (PRR).
- 7 Multifoliate varieties have genetic potential to produce 4 or more leaflets per leaf. This trait is influenced by environmental conditions.

| Variety | Yield at test sites % of Beaver | | | | | |
|--|---------------------------------|-----|--------------------------------|------|-------------------------------------|------|
| | Carberry ⁹ | | Neepawa-Rosebank ¹⁰ | | St.Adolphe-St. Pierre ¹¹ | |
| 53Q60 | — | — | 96 | (3) | 98 | (3) |
| 54Q25 | — | — | 84 | (3) | 104 | (2) |
| 54V46 | — | — | 102 | (3) | 99 | (3) |
| 54V54 | — | — | 103 | (3) | 100 | (3) |
| Able | — | — | 97 | (2) | — | — |
| AC Blue J | 98 | (4) | 101 | (26) | 100 | (20) |
| AC Grazeland Br [®] | — | — | 96 | (3) | 104 | (3) |
| AC Longview | — | — | 95 | (3) | 98 | (6) |
| AC Manitou | 108 | (4) | — | — | — | — |
| AC Totem | 103 | (4) | — | — | — | — |
| Algonquin | — | — | 97 | (8) | 98 | (5) |
| AmeriStand 201+Z | — | — | 100 | (9) | 95 | (3) |
| Apica | — | — | 114 | (3) | — | — |
| AT05 | 101 | (4) | — | — | — | — |
| Beaver | 100 | (4) | 100 | (48) | 100 | (35) |
| Equinox | — | — | 104 | (9) | 99 | (2) |
| Forerunner | — | — | 108 | (3) | — | — |
| Gala | — | — | — | — | 109 | (2) |
| Halo | — | — | 107 | (1) | — | — |
| Heinrichs | — | — | 103 | (8) | 95 | (5) |
| LRC07 4151L | 102 | (4) | — | — | — | — |
| Matrix | — | — | 85 | (3) | 104 | (3) |
| Multi5301 | — | — | 97 | (5) | 104 | (3) |
| Pickseed 2065MF | — | — | 92 | (3) | 110 | (3) |
| Pickseed 3006 | — | — | 94 | (3) | 101 | (3) |
| Rambler | 94 | (4) | 96 | (46) | 92 | (32) |
| Rangelander | 90 | (4) | 96 | (26) | 94 | (19) |
| Runner | — | — | 100 | (2) | — | — |
| SC A101 | 103 | (4) | — | — | — | — |
| Spredor 4 | — | — | 104 | (9) | 96 | (3) |
| Spyder | — | — | 94 | (3) | 86 | (2) |
| Starbuck | — | — | 83 | (2) | 97 | (3) |
| Stealth SF | — | — | 121 | (3) | 100 | (2) |
| Survivor | — | — | 102 | (3) | 109 | (3) |
| Tophand | — | — | 105 | (3) | 102 | (3) |
| Trident II | — | — | 105 | (8) | — | — |
| Ultra | — | — | 108 | (3) | — | — |
| Check - Beaver Average Dry Matter Yield 8980 lb/ac (10,058 kg/ha) over 150 site years. | | | | | | |

8 These numbers represent the long term average yields as a percent of Beaver, on a per cut basis.

9 Carberry data is from 2011 to 2014

10 The Neepawa site was moved to Rosebank in 2004.

11 The St.Pierre site was moved to Kelburn Farms (St.Adolphe) in 2009. The average mean yields in this column contain data from the following:
Kelburn Farms (2009-2011);St.Pierre (1999-2008); Steinbach (1993-1998).

OTHER LEGUME — Variety Descriptions and Yield Comparisons *(All Varieties have Limited Data)*

| Variety | Manitoba Mean % of Check | Use ¹ | Winter Hardiness ² | Regrowth | Maturity | Notes ³ | Seed Source |
|---|-----------------------------|------------------|----------------------------------|----------|------------|--------------------|----------------|
| BIRDSFOOT TREFOIL | | | | | | | |
| AC Langille | 95 (5) | P | G | Good | Early | non-bloating | 17 |
| Bull | 97 (3) | P | G | Good | | non-bloating | 9 |
| Empire | 87 (4) | P | F | Medium | | non-bloating | 13 |
| Leo | 100 (19) | P | G | | Early | non-bloating | 13 |
| OAC Bright | 96 (3) | P | E | Medium | | non-bloating | 9 |
| Upstart | 102 (5) | P | G | | | non-bloating | 9 |
| Check - Leo average Dry Matter Yield 5610 lb/ac (6299 kg/ha) over 19 site years | | | | | | | |
| CICER MILKVETCH | | | | | | | |
| Oxley | 100 (11) | P | E | — | — | non-bloating | 9 |
| Windsor | 119 (6) | P | E | — | — | non-bloating | 17 |
| Check - Oxley average Dry Matter Yield 4544 lb/ac (5102 kg/ha) over 11 site years | | | | | | | |
| YELLOW SWEET CLOVER | | | | | | | |
| Norgold | 100 (1) | H | — | — | Very Early | low coumarin | 14 |
| Yukon | 102 (1) | H | — | — | Early | | 13 |
| Check - Norgold average Dry Matter Yield 4254 lb/ac (4772 kg/ha) over 1 site year | | | | | | | |
| SAINFOIN | | | | | | | |
| Nova | 100 (11) | H,P | — | — | — | non-bloating | 14 |
| Check - Nova average Dry Matter Yield 4336 lb/ac (4856 kg/ha) over 11 site years | | | | | | | |
| NATIVE LEGUME SPECIES | | | | | | | |
| Limited data for the following marketed Native Legume Species | | | | | | | |
| Purple Prairie Clover, White Prairie Clover, American Vetch | | | | | | | 6, 17 |

1 Use Classes: H - Hay use P - Pasture.

2 Winter Hardiness: Ratings based on winter hardiness with check variety: (F) Fair; (G) Good; (E) Excellent.

3 Coumarin is a substance with anti-coagulant properties that is present in all sweet clover varieties. However, newer varieties have been developed with sub-acute levels.

GRASS SPECIES — Variety Descriptions and Yield Comparisons

| Variety | Manitoba Mean % of Check | Use ¹ | Maturity | Notes ² | Seed Source |
|--|-----------------------------|------------------|--------------|--------------------|----------------|
| ANNUAL RYEGRASS | | | | | |
| Italian | | | | | |
| Barmultra | 101 | (3) | | | 17 |
| Fabio | — | — | | | 2 |
| Maris Ledger | 100 | (8) | | | 13 |
| Max | — | | | | 9 |
| Nabucco | 99 | (3) | Early/medium | | 7 |
| Check - Maris Ledger average DM yield 7597 lb/ac (8536 kg/ha) over 8 site years. | | | | | |
| WESTERWOLD | | | | | |
| Aubade | 100 | (9) | Early | | 2 |
| Elunaria | 101 | (3) | | | 7 |
| SW Botrus | — | | | | 9 |
| Sabroso | 105 | (3) | | | 17 |
| Check - Aubade average DM yield 7913 lb/ac (8891 kg/ha) over 9 site years. | | | | | |
| CREEPING FOXTAIL | | | | | |
| Garrison | 100 | (3) P | | | 9 |
| Check - Garrison DM Average yield 2650 lb/ac (2973 kg/ha) over 3 site years | | | | | |
| CREEPING RED FESCUE | | | | | |
| Boreal | 100 | (10) P | Early | | 13 |
| Check - Boreal average DM yield 4739 lb/ac (5321kg/ha) over 10 site years. | | | | | |
| CRESTED WHEATGRASS | | | | | |
| AC Goliath | 103 | (18) — | | — | 14 |
| AC Parkland | — | P | | — | 9 |
| Fairway | 93 | (17) H, P | | Diploid | 13 |
| Kirk | 100 | (35) H, P | | Tetraploid | 14 |
| Nordan | 93 | (17) H, P | | Tetraploid | 13 |
| Parkway | 91 | (17) H, P | | Diploid | 9 |
| Check - Kirk average DM Yield 5724 lb/ac (6416 kg/ha) over 35 site years. | | | | | |

| Variety | Manitoba Mean % of Check | Use ¹ | Maturity | Notes ² | Seed Source |
|--|-----------------------------|------------------|----------|--------------------|--------------------------|
| INTERMEDIATE WHEATGRASS | | | | | |
| Chief | 100 | (9) | H | | 14 |
| Clarke | 97 | (5) | H | | 8 |
| Check - Chief average DM Yield 5329 lb/ac (5978 kg/ha) over 9 site years. | | | | | |
| MEADOW BROME | | | | | |
| Fleet | 100 | (40) | P,H | | 14 |
| Montana | 99 | (15) | P,H | | 17 |
| MBA | | | | | 9 |
| Paddock | 101 | (10) | P,H | Early | 14 |
| S9522 | 93 | (2) | | | |
| Check - Fleet average DM Yield 4807 lb/ac (5383 kg/ha) over 40 site years. | | | | | |
| MEADOW x SMOOTH BROMEGRASS | | | | | |
| AC Success | — | — | P,H | Hybrid | 9 |
| Bigfoot | — | — | P,H | Hybrid | 2 |
| Knowles® | 103 | (12) | P,H | Hybrid | 17 |
| S9478B | 92 | (2) | | | |
| Check - Fleet average DM Yield 4498 lb/ac (5054 kg/ha) over 12 site years. | | | | | |
| MEADOW FESCUE | | | | | |
| Ensign | 100 | (25) | P,H | | 9 |
| Epic | — | | P,H | Early-Medium | 2 |
| Prevail | | | | | 7 |
| Sigmund | — | | P,H | Early-Medium | 9 |
| Check - Ensign average DM Yield 4157 lb/ac (4667 kg/ha) over 25 site years. | | | | | |
| MEADOW FOXTAIL | | | | | |
| Mountain | 127 | (5) | P | | 13 |
| Check - Dan average DM Yield 4696 lb/ac (5272 kg/ha) over 7 site years | | | | | |
| ORCHARDGRASS | | | | | |
| AC Nordic | 97 | (6) | P,H | Late | Winter Hardiness - VG 2 |
| Baridana | — | | P,H | Late | 17 |
| Early Arctic | 99 | (5) | P,H | Medium | Winter Hardiness - E 7 |
| Kay | 100 | (53) | P,H | Late | Winter Hardiness - G 9 |
| Killarney | | | | | 17 |
| Kootaney | | | | | 9 |
| Okay | — | | H,P | Very Late | Winter Hardiness - VG 11 |
| OG426 | 113 | (2) | | | |
| Check - Kay average DM Yield 4487 lb/ac (5029 kg/ha) over 59 site years. | | | | | |
| PUBESCENT WHEATGRASS | | | | | |
| Greenleaf | — | | P,H | — | 17 |
| QUACKGRASS x BLUEBUNCH WHEATGRASS | | | | | |
| NewHy | — | | P,H | — | 17 |
| REED CANARYGRASS3 | | | | | |
| Bellevue | — | | P, H | Early | Low alkaloid 9 |
| Marathon | — | | P,H | Medium | Low alkaloid 7, 17 |
| Rival | 100 | (21) | P,H | — | Low alkaloid 2 |
| Vantage | 112 | (21) | P,H | Early | Low alkaloid 10 |
| Venture | 108 | (21) | P,H | Very Early | Low alkaloid 7 |
| Check - Rival average DM Yield 4746 lb/ac (5324 kg/ha) over 21 site years. | | | | | |
| RUSSIAN WILD RYEGRASS | | | | | |
| Swift | 100 | (6) | P,H | | 14 |
| Check - Swift average DM yield 3951lb/ac (4432 kg/ha) over 6 site years. | | | | | |
| SLENDER WHEATGRASS | | | | | |
| Revenue | 100 | (6) | P,H | | 9 |
| Check - Revenue average DM yield 3928 lb/ac (4407 kg/ha) over 6 site years. | | | | | |
| SMOOTH BROMEGRASS | | | | | |
| AC Rocket® | 105 | (15) | H | | 17 |
| Bravo | 98 | (7) | H, P | Early | 9 |
| Carlton | 100 | (65) | H, P | | 13 |
| Magna | 99 | (26) | H, P | | 14 |
| Check - Carlton average DM Yield 5796 lb/ac (6491 kg/ha) over 65 site years. | | | | | |
| TALL FESCUE | | | | | |
| Courtenay | 100 | (28) | P,H | Late | Winter Hardiness - G 7 |
| Kokanee | 96 | (9) | P,H | | Winter Hardiness - G 2 |
| Maximize | 92 | (7) | P,H | Late | 9 |
| Swag | 85 | (2) | | | |
| Check - Courtenay average DM Yield 5751 lb/ac (6441 kg/ha) over 28 site years. | | | | | |

GRASS SPECIES (continued)

| Variety | Manitoba Mean % of Check | Use ¹ | Maturity | Notes ² | Seed Source |
|---|-----------------------------|------------------|----------|--------------------|----------------|
| TALL WHEATGRASS | | | | | |
| Orbit | 100 | (6) | P,H | | 14 |
| Check - Orbit Average DM yield 4216 lb/ac (4730 kg/ha) over 6 site years. | | | | | |
| TIMOTHY | | | | | |
| Basho | 99 | (18) | H | Medium | 14 |
| Champ | 98 | (25) | H,P | Early | 13 |
| Climax | 100 | (88) | H,P | Medium-Late | 13 |
| Drummond | 96 | (14) | H | Very Late | 9 |
| Farol | 74 | (10) | H | Late | 9, 17 |
| Grindstad | 99 | (9) | H,P | Early | 17 |
| Richmond | 103 | (23) | H,P | Very Early | 9 |
| Tuukka | 99 | (11) | H | Late | 16 |
| Limited data for the following marketed varieties. | | | | | |
| AC Pratt | 92 | (2) | | | |
| Alexander | 85 | (6) | H | Late | 16 |
| Bottnia II | 104 | (5) | H,P | Medium | 17 |
| Colt | 100 | (3) | H | Medium | 17 |
| Express | 112 | (6) | H,P | Medium-Late | 7 |
| Promesse | 100 | (6) | H,P | Medium | 2 |
| ST1 | 90 | (2) | | | |
| Check - Climax average DM Yield 4742 lb/ac (5315 kg/ha) over 92 site years. | | | | | |
| NATIVE GRASS SPECIES | | | | | |
| Limited data for the following marketed Warm Season Native Grass Species | | | | | |
| Little Bluestem, Big Bluestem, Sand Bluestem, Indiangrass, Prairie Sandreed | | | | | 1,2,6,7 |
| Sideoats, Grama, Blue Gramma, Switchgrass and Prairie Cordgrass, Western Wheatgrass | | | | | 9, 11, 16, 17 |
| Limited data for the following marketed Cool Season Native Grass Species | | | | | |
| Canada Wildrye, Green Needlegrass, Western Wheatgrass | | | | | 1,2,6,7 |
| Northern Wheatgrass, Streambank Wheatgrass and, Needle and Thread gass. | | | | | 9, 11, 16, 17 |

1 Use Classes: H - Hay use P - Pasture use. Pasture type varieties tend to display better regrowth.

2 Notes: Reed Canarygrass - Alkaloids adversely affect the nervous system and the rumen digestion.

3 Winter Hardiness: Based on winter hardiness with check variety: (F) Fair; (G) Good; (VG) Very Good; (E) Excellent.

DISTRIBUTOR CONTACTS — Forage Seed

| | | | | | |
|---|-----------------------------------|----------------|----|--------------------------------------|------------------------------|
| 1 | Blight Native Seeds..... | 1-204-267-2686 | 10 | Pioneer Hi-Bred Ltd..... | 1-800-265-9435 |
| 2 | BrettYoung | 1-800-665-5015 | 11 | Prairie Habitats..... | 1-204-467-9371 |
| 3 | Canterra Seeds | 1-877-439-7333 | 12 | Progressive Seeds Ltd. | 1-403-782-6169 |
| 4 | Dyck Forages and Grasses Ltd..... | 1-888-204-1000 | 13 | Public Variety..... | Contact Manitoba Agriculture |
| 5 | Federated Coops Ltd..... | 1-306-664-1700 | 14 | SeCan | 1-800-665-7333 |
| 6 | Interlake Forage Seeds | 1-800-990-1390 | 15 | S.S. Johnson Seeds..... | 1-800-363-9442 |
| 7 | Northstar Seed Ltd..... | 1-800-430-5955 | 16 | Vandaele Seeds Ltd. | 1-204-665-2384 |
| 8 | Oldenburg Inc..... | 1-204-348-2294 | 17 | Crop Production Services Canada..... | 1-800-661-3334 |
| 9 | Pickseed Canada | 1-800-263-7425 | | | |

DISTRIBUTOR CONTACTS — Corn Silage

| | | | | |
|--------------------------------------|---------------|----------------|-------------------------------|-----------------------|
| Crop Production Services Canada..... | Proven Seed | 1-403-652-5820 | Maizex Seeds Inc. | 1-877-682-1720 |
| Delmar Commodities..... | Legend Seeds | 1-204-331-3696 | Monsanto Canada Inc. | DEKALB 1-800-667-4944 |
| DLF Pickseed Canada Inc..... | PICKSEED | 1-204-633-0088 | Northstar Seed Ltd. | 1.800.430.5955 |
| DuPont Pioneer | Pioneer | 1-800-265-9435 | NorthStar Genetics Ltd..... | 1-204-262-2425 |
| Elite Seeds | BrettYoung | 1-800-665-5015 | PRIDE Seeds | 1-800-265-5280 |
| Horizon Seeds Canada Inc. | Horizon Seeds | 1-855-983-7255 | Thunder Seed Canada Inc. | 1-306-213-8888 |
| Dow AgroSciences..... | Dow Seeds | 1-800-265-7403 | | |

Growers List



ALFALFA

S=Select; F=Foundation; R=Registered; C=Certified; ☼ Indicates Plant Breeders Rights (PBR) protection under UPOV 1978 and ☼ protected or pending under UPOV 1991; "*" listed varieties are eligible for seed class, but undergoing post-harvest seed testing for Additional Certification Requirements, at time of publication.

| | | |
|---|--------------|-----|
| 135 | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| 2010 | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | F C |
| 3010 | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| 4030 | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | F C |
| 5010 | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| 4010 BR | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| 4020 MF | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | F C |
| 54Q25 | | |
| Fisher Branch; Gregory, Lee R. & Adam..... | 204-372-6720 | C |
| 55Q27 | | |
| Fisher Branch; Gregory, Lee R. & Adam..... | 204-372-6720 | C |
| AAC MEADOWVIEW | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | F |
| ABLE | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| AC BRADOR | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | C |
| AC CARIBOU | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| AC GRAZELAND BR ☼ | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| AC MELODIE | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | C |
| ACTIS | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| ADRENALIN | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| AKORI | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| ALGONQUIN | | |
| Hodgson; Shergold, Carla | 204-372-6490 | C |
| ALTHEA | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | F C |
| ASSALT ST | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| BARRICADE SLT | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |

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| | | |
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| CALYPSO | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| CONCEPT | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| CORNERSTONE | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | F C |
| DAKOTA | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | F C |
| DYNASTY | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| ENDURANCE | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | F C |
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| GIBRALTAR | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| HAYGRAZER | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | C |
| INSTINCT | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| LEADER | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| LEXUS | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | C |
| MAGNUM 7 | | |
| Fisher Branch; Gregory, Lee R. & Adam | 204-372-6720 | F |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| MATRIX | | |
| Fisher Branch; Interlake Forage Seeds Ltd..... | 204-372-6920 | C |
| MEGAGRAZE | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | C |
| MULTI5301 | | |
| Fisher Branch; Gregory, Lee R. & Adam | 204-372-6720 | C |
| Fisher Branch; Interlake Forage Seeds Ltd..... | 204-372-6920 | C |
| MULTIPLIER 3 | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | C |
| OPTIMUS | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| PERFECTION | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | F C |
| PERFORMER | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | C |
| PICKSEED 2065MF | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| PICKSEED 3006 | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| PRIZE | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| QWEST | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | C |
| REBOUND PLUS | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| RESPONSE WT | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | C |
| RHINO | | |
| Fisher Branch; Gregory, Lee R. & Adam | 204-372-6720 | F |
| ROBUST | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | F C |
| RUGGED ST | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | C |
| RUNNER | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | F C |

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| SHOCKWAVE-BR | | |
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| SPYDER | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| STARBUCK | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| STEALTH SF | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | C |
| STOCKPILE | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| STRONGHOLD | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| SUPER NOVA | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| TH2 | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | C |
| TOPHAND | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | C |
| VISION | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |

ALSIKE CLOVER

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| AURORA | | |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| DAWN | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | F C |

BIRDSFOOT TREFOIL

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| AC LANGILLE | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | F |
| BRUCE | | |
| Fisher Branch; Interlake Forage Seeds Ltd..... | 204-372-6920 | C |
| BULL | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| EXACT | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | C |
| LEO | | |
| Cartier; Qually, Brent | 204-792-7274 | C |
| Fisher Branch; Danelak, George & Harvey G. | 204-372-6236 | C |
| Fisher Branch; Gregory, Lee R. & Adam | 204-372-6720 | C |
| Fisher Branch; Podaima, Mel J..... | 204-396-7905 | C |
| Fisher Branch; Podaima, Ryan..... | 204-372-6885 | C |
| St. Norbert; Brett-Young Seeds Limited..... | 204-261-7932 | C |
| WELLINGTON | | |
| Winnipeg; Pickseed Canada Inc..... | 204-633-0088 | F |

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| AAC ROYAL | | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | F | |
| AC KNOWLES ☼ | | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | F | C |
| AC ROCKET | | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | F | |
| AC SUCCESS ☼ | | | |
| Winnipeg; Pickseed Canada Inc. | 204-633-0088 | F | C |
| CARLTON | | | |
| St. Norbert; Brett-Young Seeds Limited | 204-261-7932 | | C |
| FLEET | | | |
| St. Norbert; Brett-Young Seeds Limited | 204-261-7932 | F | C |
| MBA | | | |
| Winnipeg; Pickseed Canada Inc. | 204-633-0088 | | C |
| MONTANA | | | |
| Winnipeg; Pickseed Canada Inc. | 204-633-0088 | | C |

CICER MILK VETCH

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| | | |
|--------------------------------|--------------|---|
| AC OXLEY II | | |
| Winnipeg; Pickseed Canada Inc. | 204-633-0088 | C |

MEADOW FESCUE

| | | |
|--|--------------|-----|
| PRADEL | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | F C |
| St. Norbert; Brett-Young Seeds Limited | 204-261-7932 | C |
| PREVAL | | |
| Neepawa; Northstar Seed Ltd. | 204-476-5241 | F C |

ORCHARDGRASS

| | | |
|--|--------------|---|
| EARLY ARCTIC | | |
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BELLE

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BIG BANG

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ELUNARIA

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LACTAL

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MATHILDE

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RACER 2

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SAINFOIN**AAC MOUNTAINVIEW**

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KOKANEE

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YUKON

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TIMOTHY

AC ANTOINE

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AC OPAL

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ARLAKA

Fisher Branch; Danelak, George & Harvey G.204-372-6236 C
Winnipeg; Pickseed Canada Inc.....204-633-0088 F C

BARPENTA

Neepawa; Northstar Seed Ltd.204-476-5241 F C

BASHO

Fisher Branch; Bernier, Edward L.....204-372-6937 C

CLAIR

Middlebro; Ewacha, Alex204-793-5273 C

CLIMAX

Beausejour; Horosko, Patrick B.....204-268-3583 C
Cartier; Qually, Brent204-792-7274 C
Fisher Branch; Cymbalisty, Donald John.....204-372-6468 C
Fisher Branch; Interlake Forage Seeds Ltd.....204-372-6920 C
Fisher Branch; Malenchak, Daniel Albert.....204-372-6471 C
Fisher Branch; Plishka, William204-372-6895 C
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DOLINA

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GLACIER

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HOKUO

Arborg; S.S. Johnson Seeds Limited.....204-376-5228 C
Fisher Branch; Bernier, Edward L.....204-372-6937 C

ITASCA

Dauphin; Ritchie, Raymond.....204-638-0364 C
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OVATION

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PROMESSE

Lac Du Bonnet; Brincheski, Robert John204-345-2858 C
Lac Du Bonnet; Mc Intosh, Paul Ramsay.....204-268-5081 C

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RICHMOND

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TIFFANY

Arborg; S.S. Johnson Seeds Limited.....204-376-5228 C

TILLER

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TITAN

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TREASURE

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CHIEF

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