## Variety Description Key

A "CHECK CHARACTERISTICS" box has been placed at the bottom of each table, to display the long term yield, # of site years, maturity and any other check attributes.

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

"Resistance to" ratings: HS = highly susceptible; S = susceptible; MS = moderately susceptible; MR = moderately resistant; R = resistant; n/a = not available.

Site Years Tested is the cumulative number of locations over the years that a variety has been tested against the check variety. The more site years, the more dependable the data.

Indicates a variety that is protected by Plant Breeder's Rights or a variety where protection has been applied for but not yet granted at time of printing.

## Key to 2012 Yield Tables

Yields derived over 2 or more growing seasons are the best indicator of variety performance. For new varieties, "2012 Average Yield" over all sites is more reliable than data from a single location. Use single site year data with caution.

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.

Sign Diff = Significant Difference. Indicates if a real difference exists between varieties at an individual site.

## Canola Comments

For specific notes regarding the canola tables, refer to the CANOLA COMMENTS at the top of page 53.

## Soybean Comments

For specific notes regarding the soybean tables, refer to the SOYBEAN COMMENTS at the top of page 64.

# Oilseed Crops

# VT 500G

## Yields big. Stands strong.

### Sets a new standard...World Class Standability!

VT 500 G canola takes maximum nitrogen rates without lodging. This unique trait allows farmers to maximize fertility with confidence. Get the yield you're looking for and swath it faster with VT 500 G.

For more information, visit your Viterra ag retail or **seed.viterra.ca**

### NITROGEN RATE IMPACT ON LODGING




*Data extracted from the 2011 Viterra Performance Checks.*

POWERED BY VT GENETICS

VITERRA™

genuity ROUNDUP READY CANOLA

Do it with sulfur — MAXIMIZE YOUR YIELDS

Do it with phosphate — ESSENTIAL FOR PLANT LIFE

### Canola Comments

The Variety Descriptions table summarizes the performance of canola varieties that will be available for planting in spring 2013. The post-registration Canola Performance Trial (CPT) was designed to be more reflective of field practices. This includes the use of the appropriate herbicide products matching herbicide tolerant (HT) varieties.

The CPT information within *Seed Manitoba* 2013 and on-line, provides both data sources which have been reviewed through a protocol and data audit process. The data presented was collected based on a specific scientifically designed protocol to ensure comparisons are unbiased. Detailed notes on other variety attributes and trial management are at www.canolaperformancetrials.ca

Performance at individual locations can be compared within the HT group and between groups, but the best performance indicator is to compare varieties over multiple sites. This also includes comparing performance of small plot trials with field scale trial results. The trial design included grouping by herbicide tolerance so the LSD (Least Significant Difference) has been included for each HT group to determine if yield difference between varieties are significant. Using the compassions of the yield performance to the standard 73-75RR that is included in all small plot and field scale trials, comparisons can be made between HT groups and between small plot and field scale trials.

### Data Sources

Data presentation in the long and mid season canola growing zones trials table (page 54, 56) was collected from small plot, replicated trials, that are typically less than 1/4 acre in size. Varieties have been entered by the representative marketing company for testing.

Field scale trials range (page 54, 58) from 0.5 to 1.5 acres in size and are managed by growers using their typical production practices. The trials are planted, swathed, harvested, and in some cases sprayed by growers using the respective herbicide systems according to established protocols. The performance results presented are those varieties that were also included in the testing under small plot, replicated trials.

### Blackleg Rating for Canola

The rating represents a variety's blackleg tolerance relative to the highly susceptible variety Westar. Varieties with a resistant (R) or moderately resistant (MR) rating for blackleg have shown the greatest ability to suppress blackleg incidence and severity, but can still develop some lesions or cankers. Individual field performance and tolerance may vary from tolerance levels reported in the registration trials. In fields showing higher than expected levels of blackleg or where there has been history of a tight rotation with canola, it may be necessary to lengthen rotation to achieve sufficient blackleg control.

## CANOLA *(continued)*

***Comments:***

All varieties tested in the 2012 Canola Performance Trials are hybrid canola varieties.

### Variety Descriptions

| Distributor | Variety (B.napus) | Average Yield MID-LONG Zone bu/ac | Average Yield MID-LONG Zone % of 73-75RR | LONG Season Zone (4 trials) Yield (bu/ac) | LONG Season Zone (4 trials) Maturity (days) | LONG Season Zone (4 trials) Lodging (1-5) | LONG Season Zone (4 trials) Height (inches) | MID Season Zone (13 trials) Yield (bu/ac) | MID Season Zone (13 trials) Maturity (days) | MID Season Zone (13 trials) Lodging (1-5) | MID Season Zone (13 trials) Height (inches) | WCC/RRC Blackleg Tolerance |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Clearfield Tolerant** | | | | | | | | | | | |
| BrettYoung | 5525 CL | 46 | 91 | 41 | 92 | 1.4 | 46 | 47 | 96 | 2.5 | 43 | R |
| BrettYoung | 5535 CL | 42 | 85 | 40 | 88 | 1.5 | 45 | 43 | 93 | 3.2 | 40 | R |
| Viterra | VR 9560 CL | 49 | 98 | 44 | 92 | 1.8 | 47 | 51 | 97 | 3.0 | 45 | R |
| | *LSD (bu/ac)* | | | *6* | | | | *7* | | | | |
| | **Liberty Tolerant** | | | | | | | | | | | |
| Bayer CropScience | 5440 | 50 | 100 | 42 | 91 | 1.2 | 46 | 53 | 95 | 1.9 | 43 | R |
| Bayer CropScience | L120 | 45 | 89 | 38 | 90 | 1.4 | 44 | 47 | 95 | 2.3 | 41 | R |
| Bayer CropScience | L130 | 49 | 97 | 43 | 89 | 1.3 | 44 | 51 | 93 | 2.2 | 42 | R |
| Bayer CropScience | L150 | 49 | 99 | 41 | 90 | 1.8 | 46 | 52 | 96 | 2.9 | 42 | R |
| Bayer CropScience | L154 | 52 | 103 | 44 | 91 | 1.5 | 46 | 54 | 96 | 2.5 | 44 | R |
| Bayer CropScience | L159 | 51 | 101 | 43 | 92 | 1.4 | 49 | 53 | 96 | 2.1 | 45 | R |
| | *LSD (bu/ac)* | | | *6* | | | | *5* | | | | |
| | **Roundup Tolerant** | | | | | | | | | | | |
| CANTERRA SEEDS | CANTERRA 1970 | 47 | 94 | 36 | 93 | 1.3 | 48 | 50 | 97 | 2.2 | 44 | R |
| CANTERRA SEEDS | CANTERRA 1990 | 48 | 96 | 38 | 90 | 1.7 | 45 | 51 | 96 | 3.0 | 41 | R |
| CANTERRA SEEDS | CANTERRA 1999 † | 51 | 101 | 45 | 90 | 1.5 | 45 | 52 | 95 | 3.0 | 42 | R |
| BrettYoung | 6050 RR | 45 | 90 | 39 | 88 | 2.2 | 43 | 47 | 94 | 3.4 | 40 | R |
| BrettYoung | 6060 RR | 47 | 94 | 38 | 93 | 1.4 | 47 | 50 | 98 | 2.6 | 43 | R |
| DEKALB | 72-65 RR | 45 | 91 | 38 | 90 | 2.2 | 42 | 48 | 96 | 3.3 | 41 | R |
| DEKALB | 73-45 RR | 47 | 93 | 43 | 88 | 2.2 | 41 | 48 | 93 | 3.2 | 39 | R |
| DEKALB | 73-75 RR | 50 | 100 | 45 | 89 | 1.8 | 44 | 52 | 95 | 3.4 | 41 | R |
| DEKALB | 74-44 BL† | 47 | 94 | 40 | 90 | 1.6 | 43 | 50 | 94 | 2.9 | 41 | R |
| DEKALB | 74-47 CR† | 52 | 100 | — | — | — | — | 52 | 96 | 3 | 42 | R |
| FP Genetics | 94H04 | 44 | 89 | 39 | 88 | 1.9 | 46 | 46 | 94 | 3.5 | 40 | R |
| Cargill - Victory Hybrid | V12-1* | 49 | 99 | 40 | 91 | 1.8 | 45 | 52 | 97 | 2.8 | 43 | R |
| Viterra | VR 9559 G | 49 | 97 | 43 | 91 | 1.6 | 47 | 50 | 97 | 2.4 | 44 | R |
| Viterra | VT 520 G† | 49 | 94 | 39 | 94 | 1.2 | 48 | 52 | 98 | 1.7 | 45 | MR |
| | *LSD (bu/ac)* | | | *5* | | | | *6* | | | | |
| **GRAND MEAN (bu/ac)** | | 48 | | 41 | 90 | 1.6 | 45 | 50 | 96 | 2.7 | 42 | |

* Indicates varieties with Specialty oil profiles
† Indicates varieties with interim registration.

## CANOLA PERFORMANCE TRIAL — Field Scale Trial Location Data Summary

| Variety | Yield LONG Zone bu/ac | Yield LONG Zone % of 73-75RR | Yield LONG Zone Sites | Yield MID Zone bu/ac | Yield MID Zone % of 73-75RR | Yield MID Zone Sites |
|---|---|---|---|---|---|---|
| 5440 | 41 | 97 | 12 | 44 | 107 | 16 |
| L120 | 34 | 81 | 1 | 37 | 91 | 6 |
| L130 | 41 | 97 | 17 | 44 | 106 | 20 |
| L150 | 38 | 91 | 18 | 41 | 100 | 26 |
| L154 | 41 | 98 | 12 | 41 | 99 | 15 |
| L159 | 39 | 94 | 12 | 40 | 99 | 14 |
| CANTERRA 1970 | 41 | 98 | 2 | 41 | 100 | 4 |
| CANTERRA 1990 | 39 | 94 | 12 | 41 | 101 | 21 |
| CANTERRA 1999 | 43 | 103 | 1 | 42 | 102 | 6 |
| 6060 RR | 39 | 94 | 11 | 40 | 99 | 15 |
| 72-65 RR | 39 | 94 | 9 | 41 | 101 | 17 |
| 73-15 RR | — | — | — | 44 | 108 | 9 |
| 73-45 RR | 41 | 98 | 9 | 42 | 103 | 20 |
| 74-44 BL | 39 | 93 | 16 | 43 | 106 | 21 |
| 74-47 CR | 42 | 99 | 4 | 41 | 101 | 12 |
| 73-75 RR | 42 | 100 | 24 | 41 | 100 | 43 |

PIONEER
PROTECTOR®
SCLEROTINIA

DUPONT
PIONEER®

# Revolutionizing sclerotinia control from the ground up.

With high levels of sclerotinia this year, it's top-of-mind for many growers. Sclerotinia robs canola yields and costs growers millions of dollars in lost revenue each year.

Now there's a revolutionary way to limit these losses: Pioneer Protector® Sclerotinia Resistance* – the *first and only* sclerotinia resistant trait on the market. It puts your first line of defense against this costly disease *right in the seed*, to help protect your yield potential through to harvest.

Control sclerotinia from the ground up.
With Pioneer Protector Sclerotinia Resistance.

**www.pioneer.com**

*Field results show that Pioneer Protector® Sclerotinia resistance can reduce the incidence of sclerotinia in a canola crop by over 50%. Individual results may vary. Depending on environmental and agronomic conditions, growers planting Pioneer Protector Sclerotinia resistant hybrids may still require a fungicide application to manage sclerotinia in their crop.

# CANOLA PERFORMANCE TRIAL — Long and Mid Season Zone Plot Location Data

| | LONG Season Zone 2012 Yield (bu/ac) | | | | | MID Season Zone 2012 Yield (bu/ac) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Variety (B.napus) | Boissevain, MB | Dauphin, MB | Melita, MB | Portage la Prairie, MB | AVERAGE YIELD | Arborg, MB | Aberdeen, SK | Foam Lake, SK | North Battleford, SK | Saskatoon, SK | Indian Head, SK | Swift Current, SK | Melfort, SK | Scott, SK | Yorkton, SK | Forestburg, AB | Vulcan, AB | Fort Saskatchewan, AB | AVERAGE YIELD |
| **Clearfield** | | | | | | | | | | | | | | | | | | | |
| 5525 CL | 38 | 35 | 34 | 58 | **41** | 40 | 34 | 57 | 63 | 62 | 34 | 25 | 38 | 46 | 45 | 61 | 48 | 63 | **47** |
| 5535 CL | 41 | 30 | 39 | 53 | **40** | 40 | 29 | 50 | 53 | 54 | 27 | 24 | 38 | 38 | 45 | 48 | 48 | 64 | **43** |
| VR 9560 CL | 44 | 39 | 34 | 58 | **44** | 41 | 37 | 56 | 64 | 71 | 35 | 27 | 46 | 52 | 51 | 66 | 47 | 70 | **51** |
| *LSD (bu/ac)* | *4* | *7* | *5* | *10* | ***6*** | *8* | *4* | *8* | *6* | *7* | *5* | *4* | *8* | *7* | *6* | *6* | *3* | *12* | ***7*** |
| **Liberty Link** | | | | | | | | | | | | | | | | | | | |
| 5440 | 34 | 39 | 37 | 57 | **42** | 39 | 40 | 61 | 65 | 73 | 32 | 25 | 52 | 53 | 56 | 57 | 49 | 82 | **53** |
| L120 | 40 | 31 | 26 | 53 | **38** | 25 | 31 | 55 | 63 | 68 | 33 | 22 | 46 | 47 | 49 | 56 | 46 | 66 | **47** |
| L130 | 46 | 35 | 32 | 57 | **43** | 37 | 32 | 61 | 65 | 69 | 28 | 26 | 51 | 50 | 53 | 58 | 51 | 78 | **51** |
| L150 | 39 | 36 | 31 | 58 | **41** | 35 | 36 | 64 | 66 | 76 | 32 | 25 | 50 | 50 | 52 | 66 | 49 | 78 | **52** |
| L154 | 40 | 40 | 36 | 58 | **44** | 35 | 39 | 65 | 69 | 77 | 32 | 26 | 49 | 51 | 62 | 69 | 49 | 81 | **54** |
| L159 | 42 | 32 | 36 | 60 | **43** | 37 | 36 | 68 | 66 | 75 | 31 | 27 | 51 | 52 | 58 | 62 | 50 | 80 | **53** |
| *LSD (bu/ac)* | *4* | *6* | *7* | *5* | ***6*** | *7* | *7* | *6* | *3* | *5* | *4* | *3* | *7* | *3* | *6* | *8* | *2* | *8* | ***5*** |
| **Roundup Ready** | | | | | | | | | | | | | | | | | | | |
| CANTERRA 1970 | 36 | 31 | 25 | 54 | **36** | 39 | 35 | 56 | 65 | 66 | 37 | 26 | 46 | 47 | 47 | 58 | 49 | 82 | **50** |
| CANTERRA 1990 | 29 | 34 | 36 | 54 | **38** | 43 | 41 | 55 | 64 | 67 | 42 | 26 | 46 | 49 | 45 | 62 | 52 | 69 | **51** |
| CANTERRA 1999† | 48 | 39 | 38 | 55 | **45** | 48 | 41 | 57 | 64 | 73 | 35 | 27 | 44 | 50 | 53 | 53 | 56 | 79 | **52** |
| 6050 RR | 44 | 29 | 34 | 49 | **39** | 35 | 39 | 53 | 57 | 64 | 29 | 25 | 38 | 44 | 43 | 51 | 54 | 82 | **47** |
| 6060 RR | 32 | 32 | 33 | 54 | **38** | 36 | 40 | 59 | 65 | 68 | 38 | 23 | 48 | 49 | 49 | 59 | 48 | 69 | **50** |
| 72-65 RR | 41 | 31 | 33 | 48 | **38** | 41 | 37 | 52 | 58 | 63 | 34 | 23 | 44 | 49 | 41 | 58 | 48 | 71 | **48** |
| 73-45 RR | 44 | 31 | 37 | 59 | **43** | 44 | 38 | 51 | 58 | 66 | 29 | 27 | 44 | 45 | 50 | 51 | 54 | 64 | **48** |
| 73-75 RR | 46 | 38 | 41 | 55 | **45** | 56 | 44 | 58 | 64 | 69 | 32 | 27 | 44 | 48 | 53 | 53 | 51 | 72 | **52** |
| 74-44 BL† | 39 | 33 | 32 | 55 | **40** | 39 | 41 | 53 | 61 | 67 | 37 | 26 | 45 | 45 | 50 | 58 | 51 | 72 | **50** |
| 74-47 CR† | — | — | — | — | | 47 | 45 | 60 | 63 | 71 | 33 | 26 | 41 | 49 | 58 | 52 | 51 | 75 | **52** |
| 94H04 | 40 | 33 | 30 | 52 | **39** | 40 | 37 | 48 | 57 | 65 | 31 | 24 | 43 | 46 | 39 | 57 | 49 | 63 | **46** |
| V12-1* | 42 | 34 | 35 | 51 | **40** | 37 | 42 | 66 | 64 | 72 | 34 | 27 | 51 | 50 | 47 | 73 | 47 | 69 | **52** |
| VR 9559 G | 41 | 39 | 37 | 55 | **43** | 48 | 40 | 60 | 63 | 67 | 36 | 27 | 43 | 49 | 48 | 60 | 50 | 65 | **50** |
| VT 520 G† | 35 | 36 | 33 | 52 | **39** | 41 | 33 | 60 | 61 | 67 | 32 | — | 44 | 50 | 55 | 61 | 43 | 74 | **52** |
| *LSD (bu/ac)* | *5* | *5* | *6* | *6* | ***5*** | *7* | *5* | *7* | *4* | *5* | *3* | *3* | *10* | *8* | *5* | *11* | *3* | *8* | ***6*** |
| **GRAND MEAN (bu/ac)** | 40 | 34 | 34 | 55 | **41** | 40 | 38 | 58 | 63 | 68 | 33 | 25 | 45 | 48 | 50 | 58 | 50 | 73 | **50** |
| CV% | 11 | 12 | 12 | 8 | | 14 | 10 | 9 | 5 | 5 | 7 | 7 | 10 | 10 | 8 | 10 | 4 | 9 | |
| **Seeding Date** | 18-May | 11-May | 08-May | 21-May | | 07-Jun | 19-May | 14-May | 14-May | 21-May | 20-May | 12-May | 01-Jun | 16-May | 15-May | 14-May | 18-May | 19-May | |

* Indicates varieties with Specialty oil profiles

† Indicates varieties with interim registration.

## Cargill Specialty Canola Program

# Pod for pod, Cargill Specialty Canola will make you more money.

Choose Cargill Specialty Canola for *premier, high-yielding hybrids*—from VICTORY® and InVigor® Health—that generate *unparalleled profits*. And enjoy the convenience of a simple program that saves you time and hassle. Want the proof? Go to cargillspecialtycanola.com.

VICTORY® HYBRID CANOLA

health InVigor®

genuity ROUNDUP READY CANOLA



*www.victorycanola.com*
*www.cargill.ca*

Cargill®

# CANOLA PERFORMANCE TRIAL — Field Scale Trial Location Data — *Manitoba only*

| | 2012 Yield: % 73-75 RR | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LONG Season Zone | | | | | | | | | | | | | | | | | MID Season Zone | | |
| Variety | Brandon[1] | Brandon[2] | Elie | Halbstadt | Hamiota | Howden | Kenton | Killarney | Lauder | Melita | Oakville | Portage La Prairie | Rossburn | Somerset[1] | Somerset[2] | St. Adolphe | Stonewall | Arborg | Dauphin | Swan River |
| 5440 | — | 93 | — | 94 | 105 | — | — | — | 97 | — | — | 89 | — | — | 91 | 83 | 93 | — | 100 | — |
| L120 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 101 |
| L130 | 87 | 96 | — | 93 | 108 | 86 | 108 | — | 97 | — | — | 90 | — | 95 | 102 | 81 | 89 | — | 112 | — |
| L150 | 103 | 90 | — | 94 | 94 | 75 | 105 | — | 93 | — | — | 85 | — | 95 | 93 | 76 | 86 | — | 108 | 69 |
| L154 | — | 98 | — | 104 | 95 | — | — | — | 99 | — | — | 92 | — | — | 105 | 88 | 96 | — | 112 | — |
| L159 | — | 94 | — | 99 | 96 | — | — | — | 99 | — | — | 83 | — | — | 94 | 81 | 86 | — | 98 | — |
| CANTERRA 1970 | — | — | — | — | — | — | — | — | — | — | 101 | — | 95 | — | — | — | — | — | — | — |
| CANTERRA 1990 | 94 | — | 93 | — | — | 85 | 102 | 100 | — | 100 | 97 | — | 95 | 94 | — | — | — | 81 | — | 126 |
| CANTERRA 1999 | — | — | — | — | — | — | — | — | — | — | 103 | — | — | | — | — | — | | — | — |
| 6060 RR | 95 | — | 87 | — | — | 83 | 106 | 96 | | 98 | — | — | 104 | 97 | — | — | — | 73 | — | 121 |
| 72-65 RR | 100 | — | 89 | — | — | 85 | 101 | 102 | — | — | — | — | — | 92 | — | — | — | 91 | — | 95 |
| 73-15 RR | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 93 |
| 73-45 RR | 102 | | 88 | — | — | 92 | 101 | 99 | — | — | — | — | — | 100 | — | — | — | 88 | — | 117 |
| 74-44 BL | 96 | 89 | 84 | — | — | 84 | 105 | 96 | — | 108 | — | 85 | 101 | 91 | 78 | — | 92 | 87 | 106 | 112 |
| 74-47 CR | — | — | 98 | — | — | — | — | 96 | — | 106 | — | — | — | — | — | — | — | 90 | — | — |
| 73-75 RR | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| **73-75 RR (bu/acre)** | 41 | 43 | 50 | 42 | 42 | 28 | 50 | 41 | 43 | 37 | 27 | 50 | 51 | 51 | 34 | 46 | 33 | 59 | 40 | 31 |

# FLAX

***New for 2013***

| Variety | Code | Breeder | Distributor | Seed Availability |
|---|---|---|---|---|
| AAC Bravo | FP 2270 | AAFC - Morden | FP Genetics | 2015 |
| CDC Glas | FP 2300 | Crop Development Centre | SeCan | 2014 |

**Varieties that have been supported for registration**

| | |
|---|---|
| FP 2308 | AAFC - Morden |
| FP 2314 | Crop Development Centre |
| FP 2325 | Viterra |

***Comments:***

All variety descriptions, with the exception of yield data, are based on data from the Flax Cooperative Registration Trials.

**AC Emerson** demonstrates the greatest tolerance to flax chlorosis.

All varieties are immune to rust.

The Canadian Grain Commission advises that the following oilseed flax varieties **CDC Mons, CDC Normandy** and Solin varieties **CDC Gold, 2047, 2126, 1084, 2090** and **2149** will be deregistered effective August 1, 2013.


# CleanStart®: The only advanced burndown solution for canola.

If you've got Roundup Ready® volunteer canola, you won't get it with glyphosate alone. No matter how hard you try.

Give your high-value canola crop a fighting chance.

Only **CleanStart** controls ALL volunteer canola between the 1 to 3 leaf stage… plus, burns off all emerged weeds controlled by glyphosate.

**1-800-868-5444** **www.nufarm.ca**



Nufarm

## FLAX *(continued)*

### Variety Descriptions

| Variety | Site Years Tested | Yield bu/acre | Maturity +/- 102 days | Height +/- 27 inches | Seed Size TKW | Oil Content | Oil Quality[1] Iodine Number | Oil Quality[1] ALA Content | Resistance Level: Lodging[2] | Resistance Level: Fusarium Wilt | Resistance Level: Powdery Mildew |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAC Bravo | 4 | 31 | 1 | 0 | 6.4 | 44.6 | 194.0 | 60.2 | G | MR | MR |
| AC Carnduff | 6 | 30 | 0 | -1 | 5.6 | 44.7 | 192.3 | 57.0 | VG | MR | MR |
| AC Emerson | 30 | 31 | -2 | -1 | 6.4 | 43.8 | 196.1 | 59.3 | G | R | R |
| AC Watson | 3 | 30 | -2 | -2 | 6.2 | 44.4 | 192.7 | 57.1 | VG | MR | R |
| CDC Arras | 13 | 31 | 0 | -2 | 6.1 | 45.2 | 189.2 | 54.4 | G | MR | MS |
| CDC Bethune | 102 | 32 | 0 | 0 | 5.8 | 45.6 | 188.6 | 54.7 | G | MR | MR |
| CDC Glas | 4 | 32 | 1 | 1 | 5.2 | 45.8 | 192.0 | 56.6 | G | MR | MR |
| CDC Sanctuary | 15 | 32 | 3 | 1 | 5.8 | 45.6 | 190.7 | 57.2 | G | MR | MR |
| CDC Sorrel | 49 | 33 | 1 | 1 | 6.4 | 45.1 | 192.7 | 57.8 | F | MR | MR |
| Flanders | 1 | 31 | 1 | -2 | 5.3 | 45.4 | 191.9 | 57.2 | F | MR | MR |
| Hanley | 69 | 31 | -2 | -2 | 5.7 | 44.7 | 197.7 | 58.6 | VG | R | MR |
| Lightning | 40 | 32 | 1 | -2 | 6.0 | 47.6 | 192.5 | 56.1 | G | MR | R |
| Macbeth | 29 | 32 | 0 | -1 | 6.2 | 47.7 | 193.1 | 56.7 | G | R | MR |
| NorLin | 50 | 30 | 0 | -1 | 5.7 | 43.5 | 189.7 | 56.7 | VG | MR | MS |
| Prairie Blue | 68 | 32 | 1 | -1 | 5.2 | 46.3 | 192.2 | 57.3 | VG | MR | MR |
| Prairie Grande | 40 | 31 | -2 | -4 | 5.8 | 45.6 | 192.9 | 57.5 | G | MR | MR |
| Prairie Sapphire | 26 | 33 | 2 | -1 | 5.8 | 48.1 | 193.1 | 57.2 | G | MR | MR |
| Prairie Thunder | 47 | 31 | 0 | -3 | 5.9 | 45.3 | 194.7 | 57.9 | G | R | MR |
| Taurus | 39 | 31 | 0 | -1 | 5.6 | 45.6 | 187.0 | 53.9 | VG | MR | R |
| Vimy | 4 | 31 | 1 | 0 | 6.1 | 45.0 | 191.9 | 57.6 | F | MR | MS |
| **Varieties that have been supported for registration** | | | | | | | | | | | |
| FP 2308 | 4 | 31 | 1 | 0 | 5.8 | 45.5 | 191.8 | 57.5 | G | MR | MR |
| FP 2314 | 4 | 31 | 1 | 1 | 5.7 | 45.5 | 194.4 | 59.1 | G | MR | MR |
| FP 2325 | 4 | 31 | 2 | 2 | 6.4 | 45.8 | 194.5 | 61.9 | G | MR | R |
| **GRAND MEAN (bu/acre)** | | 31 | | | | | | | | | |
| **LSD (0.05)** | | 2 | | | | | | | | | |

1 Oil quality of flax is based on the amount of linolenic acid measured in the seed or as measured by iodine value which is calculated from the fatty acid composition of the seed. A higher iodine value and/or higher ALA content indicates a higher overall oil quality in the seed.

2 VG = Very Good; G = Good; FG = Fair to Good; F = Fair; PF = Poor to Fair; P = Poor.

### Yield Comparisons

| Variety | 2012 Average Yield (bu/acre) | 2012 Yield (bu/acre) Boissevain | Dauphin | Hamiota | Morden |
|---|---|---|---|---|---|
| AAC Bravo | 21 | 18 | 16 | 30 | 20 |
| CDC Bethune | 21 | 16 | 16 | 29 | 21 |
| CDC Sanctuary | 21 | 16 | 18 | 31 | 20 |
| CDC Glas | 23 | 19 | 19 | 33 | 20 |
| Prairie Sapphire | 24 | 15 | 23 | 37 | 21 |
| **Varieties that have been supported for registration** | | | | | |
| FP 2308 | 21 | 17 | 18 | 27 | 22 |
| FP 2314 | 21 | 17 | 16 | 29 | 21 |
| FP 2325 | 20 | 19 | 16 | 26 | 20 |
| **SITE GRAND MEAN (bu/acre)** | | 17 | 18 | 30 | 21 |
| CV% | | 8.3 | 6.0 | 4.0 | 5.1 |
| LSD (bu/acre) | | — | 2 | 2 | — |
| Sign Diff | | No | Yes | Yes | No |
| **Seeding Date** | | 18-May | 11-May | 15-May | 17-May |
| **Harvest Date** | | 27-Aug | 06-Sep | 24-Sep | 27-Aug |

# Your purchase isn't a small decision. So we make a big promise with our 100% Money Back Guarantee.*


**TITAN OUTLET STORE**

**Guaranteed Iron at a Guaranteed Steal.**

*A division of Titan Machinery – 80+ locations strong*

## Click to see our huge inventory at titanoutletstore.com

When it's time to replace a piece of farm machinery, Titan Outlet Stores should be your only choice. We promise a ***100% Money Back Guarantee**** and ***One Year/500 Hour Power Train Warranty**** on every piece of equipment purchased. Click on ***titanoutletstore.com*** to see and hear a short, informative video on every piece of our large inventory.

**218.333.3700 / 701.830.8007 Moorhead, Minnnesota | 712.239.0888 Cherokee, Iowa**

*Some restrictions apply.

# MUSTARD

***Comments:***

All varieties are rated resistant tolerance to blackleg.

Data is donated and approved for publication by the Prairie Recommending Committee for Oilseeds (PRCO).

## Variety Descriptions[1]

| Variety | Yield % Check | Site Years Tested | Days to Maturity +/- Check | Height +/- Check | Mucilage[2] cS* ml/g | Fixed Oil % Seed | Protein % Seed |
|---|---|---|---|---|---|---|---|
| **Yellow - Sinapis alba** | **% of AC Pennant** | | **+/- AC Pennant** | | | | |
| AC Pennant | 100 | 94 | 0 | 0 | 42.0 | 29.4 | 34.7 |
| AC Base | 100 | 94 | +1 | +3 | 38.3 | 29.2 | 34.7 |
| Ace | 98 | 94 | +2 | +5 | 46.7 | 29.0 | 35.3 |
| Adante | 100 | 94 | +1 | +5 | 51.9 | 28.2 | 35.6 |
| **Oriental - Brassica juncea** | **% of Cutlass** | | **+/- Cutlass** | | | | |
| AC Vulcan | 98 | 85 | 0 | +1 | — | 40.6 | 29.6 |
| Cutlass | 100 | 85 | 0 | 0 | — | 41.1 | 29.2 |
| Forge | 97 | 85 | +2 | +10 | — | 38.8 | 29.7 |
| **Brown - Brassica juncea** | **% of Commercial Brown** | | **+/- Commercial Brown** | | | | |
| Centennial Brown | 102 | 85 | 0 | +4 | — | 36.6 | 30.0 |
| Commercial Brown | 100 | 85 | 0 | 0 | — | 38.1 | 28.8 |
| Duchess | 103 | 85 | 0 | +1 | — | 38.2 | 28.8 |
| **CHECK CHARACTERISTICS** | | | | | | | |
| Yellow - AC Pennant | 1716 | 94 | 91 | 96 | | | |
| Oriental - Cutlass | 2078 | 85 | 91 | 114 | | | |
| Brown - Commercial Brown | 1890 | 85 | 92 | 111 | | | |
| | lb/ac | site years | days | cm | | | |

1 All varieties are tested at all locations (Co-operative Mustard Test location) from a 10 year period of 1999-2008.
2 Mucilage is a measure of viscosity.

# YOUR Ticket to the Premier Regional Seed Company!

ADMIT ALL **LEGEND** ADMIT ALL

"People, Products and Service good enough to be called LEGEND."

## FEATURING:

high-yielding corn & soybean genetics
new lineup of performing traits
proven agronomic information

Legend seeds

For more beans per pod and more bushels per acre, make sure your soybeans have the trait technology that's leading the way to higher yield potential.

call your local Legend Seeds dealer or Delmar Commodities

**204.331.3696**

questions or to find your Legend dealer visit:

**www.legendseeds.ca**

**"KNOW"ing there is a Difference.**

*Plan to visit one of our KNOWledge plots in 2013!*

# SOYBEANS

### NOTES FOR ALL SOYBEAN TABLES

**Maturity Notes: Always Use More Than 1 Criteria to Evaluate Maturity.**

1 Soybean varieties have been organized into 3 maturity zones - short, mid and long season areas. Although there are no variety restrictions, the short season grouping is meant to be a starting point for new growers in the outer production areas. The long season group is targeted for the southern Manitoba generally south of Highway 23, with the mid season grouping making up the bulk of the production area in between the short and long season area.

2 Company Crop Heat Unit ratings are assigned to assist growers select varieties suitable for their area. Unfortunately Company Heat Unit ratings do not always reflect the actual maturity in Manitoba. Growers should never rely on just 1 criteria for judging maturity. Experimental lines are not assigned a HU rating until they become registered.

3 Relative days to maturity (dtm) is the number of days from seeding to plant maturity (95% of the pods on the plant are mature with seeds rattling in the pods when plant is shaken) and is expressed as + or - days from the check. Growers need to be cautious when using only one year data when evaluating maturity and yield. Using multiple year maturity data when available will give you a better indication on how a variety will mature with different growing seasons. Actual days to maturity for the check is found in the grey Check Box at the bottom of the table.

**General Notes:**

1 Roundup Ready and Conventional soybean varieties are evaluated separately from Roundup Ready type varieties, meaning direct comparison of varieties between different tables is not possible. All trials are solid seeded at 210,000 plants/acre.

2 Hilum colour can range from Yellow (Y), ImperfectYellow (IY), Grey (G), Brown (BR), Buff (BF) or Black (BL) and is solely a marketing issue. The hilum is the point on the soybean seed where it attaches to the pod.

3 Relative Seeds/lb, these were the seed numbers of the varieties entered into the trial. Soybean seed size can vary greatly between varieties and even from seed lot to seed lot of the same variety. Growers should use the seed size for their seed lot when calculating seeding rates.

4 Lodging is rated at harvest; 1=standing upright, 5= flat along the ground. A rating of 3 or more can promote white mold within the crop canopy.

5 Iron Deficiency Chlorosis (IDC) rating scores 1=green leaves, 2=yellowish leaves, 3=green veins with yellow leaves, 4=brown dead tissue between green veins, 5=severe chlorosis and a stunted growing point. Ratings were taken from 4 sites prone to iron chlorosis over the last 2 years. IDC tolerant varieties are varieties with lower IDC Scores and perform better on soils prone to iron deficiency.

6 Iron Deficiency Chlorosis (IDC) grouping is used because varieties will have different visual rating scores from year to year. Numerical ratings which are close but are in different groupings will show similar symptoms. Both numerical and groupings should be considered together when judging IDC. Tolerant=leaves stayed green, Semi Tolerant=leaves when yellow then turned green, Susceptible= leaves went chlorotic and had dead patches on their leaves and were often stunted.

7 Soybeans are not eligible for MASC Production Insurance in all parts of the province - consult your local agent for more details.

# WESTERN MANITOBA SOYBEAN ADAPTATION TRIAL

***Comments*:**

The Adaptation Soybean variety trial was tested and the data donated by the Manitoba Pulse Growers Association.

Soybeans do not qualify for MASC's AgriInsurance at Roblin or Hamiota.

In 2012, trials were located at Boissevain, Carberry, Melita, Roblin and Hamiota. However, Boissevain and Carberry trials were lost due to weather issues and the Melita and Roblin trials were harvested but data was deemed unacceptable for publication.

| Variety | Company Heat Units | Yield % Check | Site Years Tested | Days to[1] Maturity +/- Check | | 2012 Yield: % of 23-10RY Hamiota |
|---|---|---|---|---|---|---|
| 23-10RY | 2325 | 100 | 6 | 0 | | 100 |
| Pekko R2 | 2325 | 101 | 6 | 1 | | 103 |
| NSC Libau RR2Y | 2375 | 90 | 1 | 1 | | 90 |
| 900Y71 | 2450 | 97 | 6 | 1 | | 98 |
| 004R21 | 2425 | 102 | 6 | 2 | | 93 |
| 900Y61 | 2425 | 96 | 6 | 2 | | 88 |
| Bishop R2 | 2450 | 87 | 1 | 2 | | 87 |
| Vito R2 | 2450 | 97 | 1 | 3 | | 97 |
| 24-10RY | 2425 | 97 | 6 | 4 | | 94 |
| TH 32004R2Y | 2425 | 110 | 6 | 4 | | 112 |
| Sampsa R2 | 2425 | 99 | 6 | 4 | | 92 |
| HS 006RYS24 | 2450 | 100 | 6 | 4 | | 88 |
| **Experimental lines that have been supported for registration in Canada** | | | | | | |
| HX 007RY32 | | 81 | 1 | 3 | | 81 |
| LS 002R23 | | 94 | 1 | 3 | | 94 |
| NSM EXP 1225 R2 | | 91 | 1 | 1 | | 91 |
| SC2375R2 | | 95 | 1 | 4 | | 95 |
| TH 33003R2Y | | 95 | 1 | 3 | | 95 |
| **CHECK CHARACTERISTICS** | | | | | **23-10RY (bu/acre)** | 60 |
| 23-10 RY | | 50 bu/acre | 6 site years | 125 days to maturity | CV% | 6.1 |
| | | | | | LSD% | 9.5 |
| | | | | | Sign Diff | Yes |
| | | | | | **Seeding Date** | 15-May |
| | | | | | **Harvest Date** | 1-Oct |

1 Maturity ratings based only on 2012 data at the Hamiota location.

# GET AHEAD AND STAY AHEAD

PEKKO R2

SAMPSA R2

ELITE

## MAKE YOUR MOVE EARLY WITH ELITE SOYBEANS FROM BRETTYOUNG

Blast out of the ground fast with Elite® brand soybeans from BrettYoung, and stay ahead of the pack with industry leading performance.

Pekko R2 is the earliest maturing GENRR2Y soybean on the market and takes off early, displays high pod set and finishes strong. Choose Pekko R2 for impressive, reliable yields.

Or choose Sampsa R2 to deliver very rapid and vigorous emergence, high performance and outstanding yield in the medium maturity group.

In the end, it all comes down to performance and BrettYoung brings a new standard of excellence to the field.

brettyoung.ca • 800-665-5015

**JON MONTGOMERY**
2010 Olympic Gold Medalist – Skeleton
2008 World Championship Silver Medalist

**JOIN JON'S TEAM!**
**BrettYoung.ca/JoinJonsTeam**

genuity ROUNDUP READY 2 YIELD SOYBEANS

BrettYoung™

# NATTO SOYBEANS

***Comments:***

OAC Prudence is not a natto type soybean; it is used as a check to determine the yield potential of natto type soybeans compared to conventional soybeans.

The Natto Soybean variety trials were tested and the data donated by Manitoba Pulse Growers Association.

### Variety Descriptions

| Manitoba Variety Grouping | Company Heat Unit | Variety | Relative Days to Maturity +/- Check Average | 2012 | 2011 | 2010 | Yield % Check | Site Years Tested | Lodging | Seeds/lbs | IDC Rating (1-5) | 2012 Yield: % of OAC Prudence Carman | St. Adolphe | Morris | Rosebank | Morden |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Short Season | 2375 | AC QGC 12N | -8 | — | -7 | -9 | 77 | 40 | 2.8 | 5200 | 2.3 | — | — | — | — | — |
| Mid Season | 2475 | OAC Prudence | 0 | 0 | 0 | 0 | 100 | 49 | 1.7 | 2300 | 1.6 | 100 | 100 | 100 | 100 | 100 |
| **Experimental lines that have been supported for registration in Canada** | | | | | | | | | | | | | | | | |
| | | Colibri | 3 | — | 3 | — | 81 | 22 | 1.2 | 7350 | — | — | — | — | — | — |
| | | OT 08-05 | 2 | 1 | 1 | 3 | 91 | 20 | 2.3 | 4300 | — | 106 | 104 | 92 | 86 | 89 |
| **CHECK CHARACTERISTICS** | | | | | | | | | | | **OAC Prudence (bu/acre)** | 48 | 36 | 38 | 75 | 74 |
| OAC Prudence | | | 115 | 114 | 106 | 125 | 49 | 49 | | | CV% | 3.9 | 4.8 | 6.1 | 6.5 | 6.9 |
| | | | days to maturity | | | | bu/acre | site years | | | LSD% | 8 | 9 | 10 | 10 | 12 |
| | | | | | | | | | | | Sign Diff | Yes | Yes | Yes | Yes | Yes |
| | | | | | | | | | | | **Seeding Date** | 14-May | 09-May | 12-May | 17-May | 16-May |
| | | | | | | | | | | | **Harvest Date** | 14-May | 09-May | 12-May | 17-May | 16-May |

1 Lodging and maturity ratings (1-5) were averaged across the Morris, St. Adophe and Carman sites.

# get Richer™

## Never has a name meant so much.

Our NSC Richer RR2Y is the test-plot proven highest yielder. You get a mid-season bean and wide rows, not to mention...a bit richer.

At NorthStar Genetics, we know beans!

NorthStar GENETICS

# CONVENTIONAL SOYBEANS

**Comments:**

The Conventional Soybean variety trial was tested and the data donated by Manitoba Pulse Growers Association.

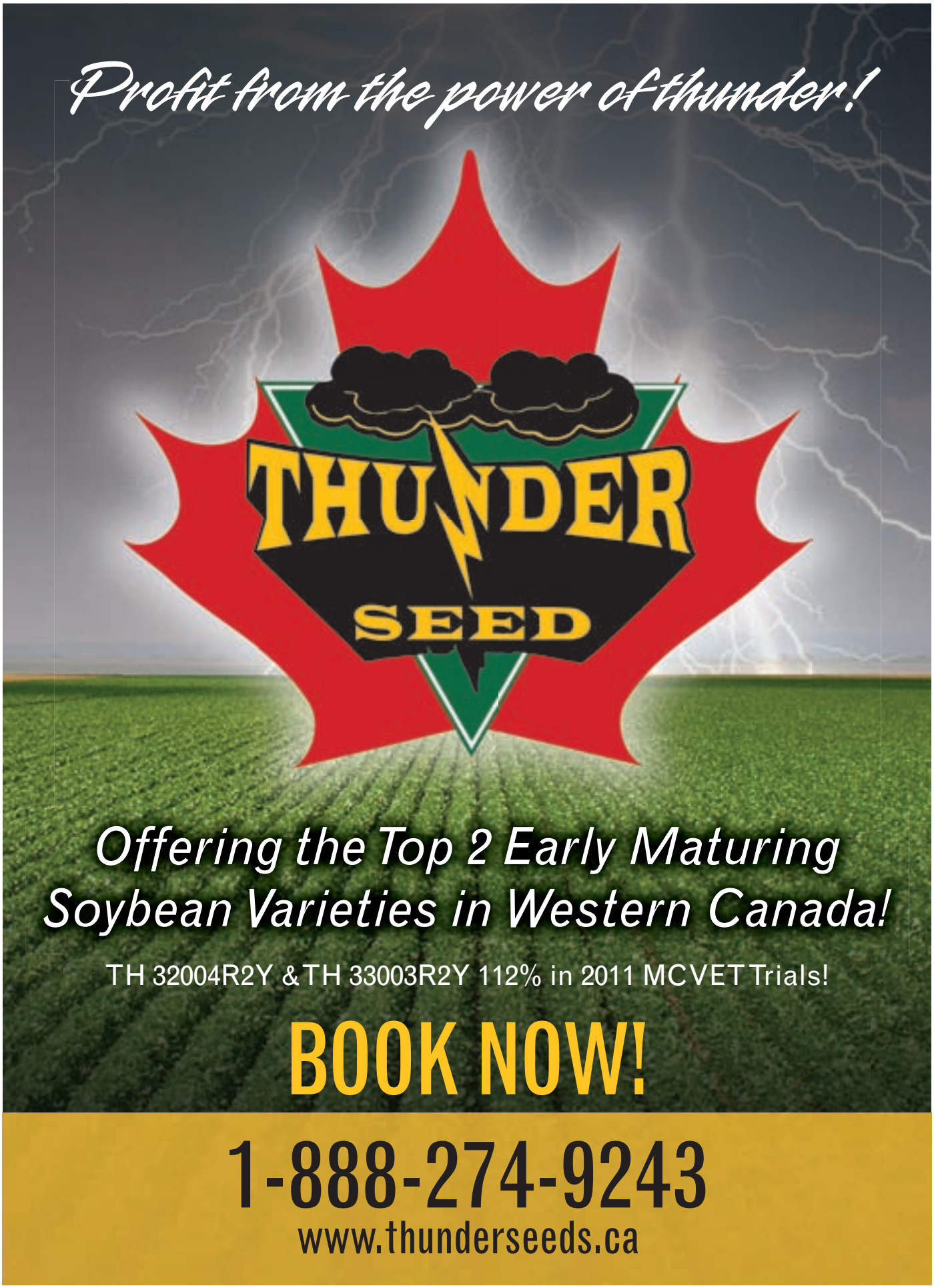
## Variety Descriptions

| Manitoba Variety Zones | Company Heat Unit | Variety | Relative Days to Maturity + / - Check Average | 2012 | 2011 | 2010 | Yield % Check | Site Years Tested | Hilum Colour | Relative Seeds/lb | Lodging[1] (1-5) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2450 | OAC Prudence | 0 | 0 | 0 | 0 | 100 | 84 | Y | 1851 | 1.7 |
| | 2500 | DH863 | 4 | 4 | 5 | — | 87 | 10 | Y | 2230 | 1.6 |
| Mid | 2550 | DH404 | 4 | 4 | — | — | 82 | 10 | IY | 2300 | 1.6 |
| Season | | **Experimental lines are being tested/proposed for registration in Canada** | | | | | | | | | |
| Zone | | OT09-03 | 2 | 1 | 3 | 3 | 105 | 17 | Y | 2151 | 1.8 |
| | | SeCan 11-05C | 1 | 0 | 2 | — | 105 | 11 | Y | 2356 | 1.4 |
| | | OAC 11-02C | 4 | 4 | — | — | 110 | 5 | Y | 2634 | 1.6 |
| | | **Experimental lines are being tested/proposed for registration in Canada** | | | | | | | | | |
| Long | | OAC 11-03C | 7 | 7 | — | — | 111 | 5 | IY | 2628 | 1.9 |
| Season | | SeCan 11-06C | 5 | 4 | 5 | — | 111 | 11 | LBR | 2006 | 1.8 |
| Zone | | OAC 11-04C | 8 | 8 | — | — | 107 | 5 | LB | 2216 | 1.3 |
| | | SeCan 11-10C | 7 | 8 | 7 | — | 103 | 11 | IY | 2618 | 2.2 |
| **CHECK CHARACTERISTICS** | | | | | | | | | | | |
| OAC Prudence | | | 115 | 114 | 106 | 125 | 49 | 84 | | | |
| | | | | days to maturity | | | bu/acre | site years | | | |

1 Lodging and Maturity ratings are averaged across the 2012 St. Adolphe, Carman and Morris sites.

## YIELD COMPARISONS

| Manitoba Variety Zones | Variety | 2012 Average Yield | Site Years Tested | 2012 Yield: % of OAC Prudence Arborg | Carman | St. Adolphe | Morris | Rosebank | Morden |
|---|---|---|---|---|---|---|---|---|---|
| | OAC Prudence | 100 | 5 | 100 | 100 | 100 | 100 | 100 | 100 |
| Mid | DH863 | 80 | 4 | 16 | 120 | 122 | 92 | — | — |
| Season | DH404 | 76 | 4 | 20 | 104 | 109 | 99 | — | — |
| Zone | **Experimental lines are being tested/proposed for registration in Canada** | | | | | | | | |
| | OT09-03 | 111 | 5 | — | 123 | 120 | 110 | 97 | 112 |
| | SeCan 11-05C | 109 | 5 | — | 124 | 115 | 95 | 108 | 106 |
| | OAC 11-02C | 110 | 5 | — | 127 | 117 | 102 | 99 | 112 |
| | **Experimental lines are being tested/proposed for registration in Canada** | | | | | | | | |
| Long | OAC 11-03C | 111 | 5 | — | 121 | 119 | 113 | 97 | 114 |
| Season | SeCan 11-06C | 116 | 5 | — | 128 | 124 | 110 | 102 | 120 |
| Zone | OAC 11-04C | 107 | 5 | — | 119 | 123 | 105 | 91 | 108 |
| | SeCan 11-10C | 107 | 5 | — | 119 | 126 | 102 | 85 | 114 |
| **CHECK CHARACTERISTICS** | **OAC Prudence (bu/acre)** | | | 60 | 48 | 36 | 38 | 75 | 74 |
| | CV% | | | 11.3 | 3.9 | 4.8 | 6.1 | 6.5 | 6.9 |
| | LSD% | | | 15 | 8 | 9 | 10 | 10 | 12 |
| | Sign Diff | | | Yes | Yes | Yes | Yes | Yes | Yes |
| | **Seeding Date** | | | 17-May | 14-May | 09-May | 12-May | 17-May | 16-May |
| | **Harvest Date** | | | 28-Sep | 24-Sep | 18-Sep | 24-Sep | 27-Sep | 19-Sep |


Profit from the power of thunder!
THUNDER
SEED
Offering the Top 2 Early Maturing
Soybean Varieties in Western Canada!
TH 32004R2Y & TH 33003R2Y 112% in 2011 MCVET Trials!
BOOK NOW!
1-888-274-9243
www.thunderseeds.ca

# ROUNDUP READY SOYBEANS

***New for 2013***

| Variety | Previous Code | Distributor | Seed Availability |
|---|---|---|---|
| 004R21 | LS004R21 | Delmar Commodities | 2012 |
| 23-10RY | 23-10RY | DEKALB | 2012 |
| 90Y01 | PH11002 | DuPont Pioneer | 2013 |
| 90Y21 | PH11005 | DuPont Pioneer | 2013 |
| Astro R2 | 32006R27 | Quarry Seeds Ltd | 2012 |
| Bishop R2 | SC-1001 | SeCan | 2012 |
| Beurling R2 | SC-2500RR | SeCan | 2012 |
| Currie R2 | SC-2500RR | SeCan | 2012 |
| LS 003R22 | LS 003R22 | Delmar Commodities | 2012 |
| LS 005R22 | LS 005R22 | Delmar Commodities | 2012 |
| LS 006R21 | LS 006R21 | Delmar Commodities | 2013 |
| LS 007R22 | LS 007R22 | Delmar Commodities | 2012 |
| LS 005R22 | LS 0005 RR2 | Delmar Commodities | 2012 |
| NSC Elie RR2Y | NSMR2-EXP 110 | Northstar Genetics Manitoba | 2012 |
| NSC Richer RR2Y | NSMR2-EXP 80 | Northstar Genetics Manitoba | 2012 |
| Pekko R2 | CFS11.1.01R2 | BrettYoung Seeds Ltd./Elite | 2012 |
| PS 0074 R2 | EXP00712 RS | PRIDE Seeds | 2013 |
| PS 0083 R2 | EXPO33R2 | PRIDE Seeds | 2012 |
| S00-B7 | X2R00721 | Syngenta Canada | 2013 |
| Sampsa R2 | CFS11.301R2 | BrettYoung Seeds Ltd./Elite | 2012 |
| TH 32004R2Y | 32004 | Quarry Seeds Ltd | 2012 |
| TH 33008R2Y | TH 33008R2Y | Quarry Seeds Ltd | — |
| Vito R2 | PR1182713R2 | Northstar Genetics Manitoba | 2013 |

***Comments:***

The Roundup Ready Soybean variety trial was tested and the data donated by the Manitoba Pulse Growers Association.

### Variety Descriptions

| Manitoba Variety Zones | Company Heat Unit | Variety | Type[1] | Relative Days to Maturity[2] + / - Check Average | 2012 | 2011 | 2010 | Yield % Check | Site Years Tested | Hilum Colour | Relative Seeds/lb | Lodging[3] (1-5) | IDC[4] Rating (1-5) | IDC[4] Grouping |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2375 | 29002RR | RR1 | -7 | -9 | -6 | -7 | 86 | 29 | Y | 3300 | 1.0 | 2.6 | Susceptible |
| | 2325 | Pekko R2 | R2Y | -5 | -6 | -3 | — | 101 | 10 | BL | 2580 | 1.1 | 2.0 | Semi Tolerant |
| | 2325 | 23-10RY | R2Y | -4 | -6 | -3 | — | 103 | 12 | BL | 2600 | 1.3 | 2.0 | Semi Tolerant |
| Short | 2450 | Bishop R2 | R2Y | -3 | -4 | -2 | — | 99 | 11 | IY | 2782 | 1.7 | 2.8 | Susceptible |
| Season | 2350 | Vito R2 | R2Y | -2 | -3 | -1 | — | 101 | 10 | GR | 3004 | 1.4 | 1.8 | Semi Tolerant |
| Zone | 2350 | NSC Anola RR2Y | R2Y | -2 | -2 | -2 | — | 107 | 10 | BL | 3374 | 1.2 | 1.9 | Semi Tolerant |
| | 2375 | NSC Libau RR2Y | R2Y | -2 | -3 | -1 | — | 101 | 12 | BL | 3122 | 1.1 | 1.9 | Semi Tolerant |
| | 2425 | TH 32004R2Y | R2Y | -2 | -3 | -1 | — | 110 | 14 | BL | 3200 | 1.3 | 1.9 | Semi Tolerant |
| | 2450 | 900Y71 | RR1 | -2 | -1 | 0 | -4 | 101 | 21 | IY | 2750 | 1.1 | 1.6 | Tolerant |
| | 2425 | 004R21 | R2Y | -1 | -2 | -1 | — | 100 | 14 | BL | 3070 | 1.1 | 1.7 | Tolerant |
| | | **Experimental lines that have been supported for registration in Canada** | | | | | | | | | | | | |
| | | NSM EXP 1225 R2 | R2Y | -5 | -5 | — | — | 105 | 6 | Y | 3190 | 1.1 | 2.7 | Susceptible |
| | | LS 002R23 | R2Y | -2 | -2 | — | — | 103 | 6 | BL | 3000 | 1.0 | 2.1 | Semi Tolerant |
| | | SC2375R2 | R2Y | -2 | -2 | — | — | 105 | 6 | BL | 2830 | 1.0 | NT | NT |
| | 2425 | S00-B7 | R2Y | -2 | -2 | — | — | 93 | 5 | BL | 2550 | 1.4 | NT | NT |
| | 2475 | Chadburn R2 | R2Y | -2 | -3 | 0 | — | 101 | 13 | BL | 3301 | 1.0 | 1.6 | Tolerant |
| | 2425 | 24-10RY | R2Y | -2 | -2 | -1 | — | 107 | 16 | IB | 3016 | 1.1 | 1.9 | Semi-Tolerant |
| | 2425 | Sampsa R2 | R2Y | -1 | -1 | -1 | — | 111 | 10 | IB | 2467 | 1.0 | 2.0 | Semi Tolerant |
| | 2425 | LS 003R22 | R2Y | -1 | -1 | 0 | — | 108 | 12 | BL | 2650 | 1.2 | 1.8 | Semi Tolerant |
| | 2425 | NSC Elie RR2Y | R2Y | -1 | -1 | 0 | — | 107 | 13 | BL | 2425 | 1.3 | 2.1 | Semi Tolerant |
| | 2450 | 27005RR | RR1 | 0 | 0 | — | — | 98 | 40 | BR | 3500 | 1.1 | 1.7 | Tolerant |
| | 2500 | NSC Portage RR | RR1 | 0 | 0 | 0 | 0 | 100 | 53 | BR | 3768 | 1.3 | 1.8 | Semi Tolerant |
| | 2450 | HS 006RYS24 | R2Y | 0 | 0 | 0 | — | 103 | 11 | BL | 2900 | 1.5 | 1.6 | Tolerant |
| | 2425 | 900Y61 | RR1 | 0 | 0 | 0 | — | 101 | 17 | BR | 2800 | 1.3 | 1.7 | Tolerant |
| Mid | 2500 | Beurling R2 | R2Y | 1 | 0 | 1 | — | 94 | 11 | BL | 2611 | 1.8 | 2.6 | Semi Tolerant |
| Season | 2500 | PS 0083 R2 | R2Y | 1 | 1 | 1 | — | 97 | 10 | BL | 2800 | 1.0 | 2.3 | Susceptible |
| Zone | 2525 | 90Y01 | RR1 | 1 | 1 | — | — | 97 | 11 | IY | 2900 | 1.3 | 1.8 | Tolerant |
| | 2475 | NSC Richer RR2Y | R2Y | 1 | 2 | 0 | — | 109 | 10 | BL | 3808 | 1.8 | 1.7 | Semi Tolerant |
| | 2475 | PS 0074 R2 | R2Y | 1 | 1 | — | — | 92 | 5 | BR | 3425 | 1.4 | 1.6 | Tolerant |
| | 2475 | LS 005R22 | R2Y | 1 | 1 | — | — | 99 | 5 | BL | 3300 | 1.4 | 1.8 | Semi Tolerant |
| | 2550 | NSC Jaden RR2Y | R2Y | 2 | 2 | — | 3 | 108 | 12 | BL | 3144 | 1.6 | 1.7 | Tolerant |
| | 2475 | LS 006R21 | R2Y | 1 | 1 | 2 | — | 106 | 17 | BL | 2800 | 1.2 | 1.8 | Semi Tolerant |

| Manitoba Variety Zones | Company Heat Unit | Variety | Type[1] | Relative Days to Maturity[2] + / - Check Average | 2012 | 2011 | 2010 | Yield % Check | Site Years Tested | Hilum Colour | Relative Seeds/lb | Lodging[3] (1-5) | IDC[4] Rating (1-5) | IDC[4] Grouping |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Experimental lines that have been supported for registration in Canada** | | | | | | | | | | | | |
| | | TH 33003R2Y | R2Y | -1 | -1 | -1 | — | 106 | 11 | BR | 3000 | 1.6 | 1.9 | Semi Tolerant |
| | | TH 33005R2Y | R2Y | -1 | -1 | — | — | 113 | 6 | BL | 2800 | 1.2 | 2.1 | Semi Tolerant |
| | | TH 33006R2Y | R2Y | 1 | 0 | 2 | — | 99 | 10 | IY | 2900 | 1.0 | 2.1 | Semi Tolerant |
| | | TH 33007R2Y | R2Y | 1 | 1 | 2 | — | 106 | 11 | BR | 2700 | 1.2 | 2.1 | Semi Tolerant |
| | | HX 007RY32 | R2Y | 0 | 0 | — | — | 109 | 6 | BL | 2950 | 1.3 | NT | NT |
| | | SC2450R2 | R2Y | 0 | 0 | — | — | 100 | 6 | BL | 3310 | 1.1 | NT | NT |
| | | DAS007R3 | R2Y | 1 | 1 | — | — | 105 | 6 | BR | 2900 | 1.1 | NT | NT |
| | | MK0011A5 | R2Y | 0 | 0 | — | — | 102 | 6 | BL | 2820 | 1.2 | NT | NT |
| | | X2R00922 | R2Y | 2 | 2 | — | — | 110 | 5 | BL | 2875 | 1.3 | NT | NT |
| | 2500 | NSC Osborne RR2Y | R2Y | 2 | 2 | 3 | 2 | 109 | 20 | BL | 2894 | 1.3 | 1.9 | Semi Tolerant |
| | 2500 | Currie R2 | R2Y | 2 | 1 | 3 | — | 110 | 11 | BL | 2752 | 1.6 | 2.0 | Semi Tolerant |
| | 2475 | 900Y81 | RR1 | 2 | 2 | 3 | — | 97 | 17 | BR | 2700 | 1.0 | 1.2 | Tolerant |
| Long | 2475 | LS 007R22 | R2Y | 3 | 3 | — | — | 109 | 5 | BL | 3550 | 1.9 | 2.3 | Semi Tolerant |
| Season | 2500 | 25-10RY | R2Y | 3 | 4 | 2 | — | 110 | 17 | BL | 2345 | 1.3 | 2.2 | Semi Tolerant |
| Zone | 2525 | Astro R2 | R2Y | 3 | 4 | 3 | — | 112 | 10 | BL | 2800 | 1.6 | 1.8 | Semi Tolerant |
| | 2525 | 90M01 | RR1 | 3 | 3 | 3 | 3 | 96 | 39 | Y | 2950 | 1.0 | 1.7 | Tolerant |
| | 2550 | S01-K8 | R2Y | 5 | 5 | 5 | — | 99 | 10 | BL | 2500 | 1.0 | 2.2 | Semi Tolerant |
| | 2575 | 90Y21 | RR1 | 4 | 4 | — | — | 91 | 5 | Y | 2900 | 1.0 | 1.7 | Tolerant |
| | 2550 | TH 33008R2Y | R2Y | 10 | 10 | — | — | 102 | 5 | BR | 2800 | 1.2 | 2.7 | Susceptible |
| | | **Experimental lines that have been supported for registration in Canada** | | | | | | | | | | | | |
| | | G8- NSMR2-EXP G8A | R2Y | 4 | 5 | 4 | — | 102 | 10 | BL | 3370 | 1.3 | 2.9 | Susceptible |
| | | CFS12.3.01 | R2Y | 10 | 10 | — | — | 108 | 5 | IB | 3130 | 1.4 | 2.6 | Susceptible |
| **CHECK CHARACTERISTICS** | | | | | | | | | | | | | | |
| NSC Portage RR | | | | 118 days to maturity | 117 | 110 | 127 | 51 bu/ac | 53 site years | | | | | |

1 R2Y Indicates Genuity Roundup Ready 2 Yield Soybeans
2 Maturity ratings for 2012 are average across the Carman, Morris and St. Adolphe sites.
3 Lodging ratings are averaged across Carman and St. Adolphe
4 NT - Varieties were not tested in IDC Trial in 2012

## ROUNDUP READY SOYBEANS *(continued)*

### Yield Comparisons

| Manitoba Variety Zone | Variety | 2012 Average Yield | Site Years Tested | 2012 Yield: % of NSC Portage RR | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Beausejour | Arborg | Stonewall | Carman | Morris | St. Adolphe | Rosebank | Morden |
| | 29002RR | 88 | 8 | 88 | 109 | 104 | 74 | 91 | 87 | 94 | 73 |
| | Pekko R2 | 102 | 5 | — | 121 | 106 | 84 | 104 | 98 | — | — |
| | 23-10RY | 103 | 6 | 90 | 126 | 110 | 100 | 99 | 95 | — | — |
| | Bishop R2 | 99 | 5 | — | 106 | 100 | 104 | 87 | 94 | — | — |
| Short | Vito R2 | 103 | 5 | — | 119 | 111 | 93 | 93 | 98 | — | — |
| Season | NSC Anola RR2Y | 110 | 5 | — | 112 | 119 | 111 | 106 | 102 | — | — |
| Zone | NSC Libau RR2Y | 102 | 6 | 95 | 98 | 110 | 114 | 99 | 98 | — | — |
| | TH 32004R2Y | 109 | 8 | 96 | 139 | 104 | 111 | 105 | 107 | 111 | 104 |
| | 900Y71 | 99 | 6 | 98 | 111 | 103 | 101 | 92 | 90 | — | — |
| | 004R21 | 97 | 8 | 74 | 98 | 111 | 106 | 91 | 98 | 105 | 104 |
| | **Experimental lines that have been supported for registration in Canada** | | | | | | | | | | |
| | NSM EXP 1225 R2 | 106 | 6 | 105 | 133 | 110 | 89 | 94 | 101 | — | — |
| | LS 002R23 | 103 | 6 | 91 | 132 | 107 | 90 | 99 | 102 | — | — |
| | SC2375R2 | 105 | 6 | 107 | 122 | 118 | 82 | 98 | 106 | — | — |
| | S00-B7 | 93 | 5 | — | — | — | 95 | 96 | 91 | 92 | 93 |
| | Chadburn R2 | 101 | 8 | 80 | 108 | 106 | 110 | 101 | 105 | 103 | 96 |
| | 24-10RY | 110 | 8 | 93 | 114 | 108 | 133 | 103 | 104 | 109 | 109 |
| | Sampsa R2 | 112 | 5 | — | 113 | 112 | 125 | 99 | 106 | — | — |
| | LS 003R22 | 109 | 6 | 106 | 111 | 114 | 110 | 102 | 112 | — | — |
| | NSC Elie RR2Y | 106 | 8 | 84 | 120 | 110 | 114 | 95 | 100 | 120 | 102 |
| | 27005RR | 97 | 8 | 104 | 71 | 106 | 101 | 95 | 97 | 99 | 101 |
| | NSC Portage RR | 100 | 8 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | HS 006RYS24 | 101 | 6 | 102 | — | — | 116 | 92 | 101 | 99 | 97 |
| | 900Y61 | 101 | 6 | 97 | 101 | 106 | 117 | 82 | 96 | — | — |
| Mid | Beurling R2 | 88 | 5 | — | — | — | 82 | 94 | 94 | 79 | 92 |
| Season | PS 0083 R2 | 94 | 5 | — | 96 | 110 | 84 | 94 | 90 | — | — |
| Zone | 90Y01 | 98 | 5 | — | — | — | 108 | 92 | 99 | 89 | 100 |
| | NSC Richer RR2Y | 106 | 5 | — | — | — | 121 | 111 | 102 | 99 | 100 |
| | PS 0074 R2 | 92 | 5 | — | 51 | 114 | 95 | 101 | 102 | — | — |
| | LS 005R22 | 99 | 5 | — | — | — | 111 | 100 | 96 | 95 | 96 |
| | NSC Jaden RR2Y | 106 | 5 | — | — | — | 108 | 101 | 110 | 100 | 107 |
| | LS 006R21 | 107 | 5 | — | — | — | 117 | 110 | 104 | 100 | 107 |
| | **Experimental lines that have been supported for registration in Canada** | | | | | | | | | | |
| | TH 33003R2Y | 103 | 6 | 90 | — | — | 118 | 103 | 99 | 101 | 104 |
| | TH 33005R2Y | 113 | 6 | 115 | — | — | 125 | 108 | 118 | 104 | 107 |
| | TH 33006R2Y | 99 | 5 | — | — | — | 94 | 101 | 97 | 96 | 105 |
| | TH 33007R2Y | 104 | 5 | — | — | — | 113 | 91 | 99 | 101 | 108 |
| | HX 007RY32 | 109 | 6 | 105 | — | — | 119 | 107 | 101 | 113 | 105 |
| | SC2450R2 | 100 | 6 | 105 | 97 | 107 | 100 | 89 | 96 | — | — |
| | DAS007R3 | 106 | 6 | 106 | — | — | 110 | 100 | 106 | 107 | 106 |
| | MK0011A5 | 102 | 6 | 92 | — | — | 117 | 93 | 103 | 106 | 100 |
| | X2R00922 | 110 | 5 | — | — | — | 112 | 104 | 108 | 110 | 112 |
| | NSC Osborne RR2Y | 100 | 5 | — | — | — | 90 | 104 | 102 | 99 | 105 |
| | Currie R2 | 109 | 5 | — | — | — | 124 | 105 | 109 | 106 | 103 |
| | 900Y81 | 90 | 6 | 96 | 65 | 94 | 103 | 94 | 89 | — | — |
| | LS 007R22 | 109 | 5 | — | — | — | 123 | 108 | 109 | 100 | 105 |
| Long | 25-10RY | 108 | 5 | — | — | — | 112 | 102 | 104 | 106 | 112 |
| Season | Astro R2 | 107 | 5 | — | — | — | 132 | 100 | 103 | 98 | 102 |
| Zone | 90M01 | 90 | 8 | 100 | 42 | 95 | 91 | 94 | 94 | 96 | 98 |
| | S01-K8 | 100 | 5 | — | — | — | 90 | 95 | 98 | 101 | 108 |
| | 90Y21 | 91 | 5 | — | — | — | 87 | 93 | 97 | 94 | 85 |
| | TH 33008R2Y | 102 | 5 | — | — | — | 118 | 82 | 83 | 108 | 109 |
| | **Experimental lines that have been supported for registration in Canada** | | | | | | | | | | |
| | G8 R2 | 97 | 5 | | — | — | 102 | 95 | 94 | 94 | 100 |
| | CFS12.3.01 | 108 | 5 | — | — | — | 135 | 94 | 97 | 111 | 100 |
| **CHECK CHARACTERISTICS** | **NSC Portage RR (bu/acre)** | | | 54 | 50 | 47 | 56 | 36 | 54 | 55 | 78 |
| | CV% | | | 9.0 | 7.1 | 6.2 | 5.8 | 6.5 | 4.8 | 5.0 | 8.0 |
| | LSD% | | | 14.3 | 11.8 | 10.6 | 9.3 | 10.3 | 7.6 | 8.2 | 13.2 |
| | Sign Diff | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | **Seeding Date** | | | 17-May | 17-May | 17-May | 14-May | 12-May | 10-May | 17-May | 16-May |
| | **Harvest Date** | | | 27-Sep | 29-Sep | 21-Sep | 24-Sep | 24-Sep | 13-Sep | 27-Sep | 18-Sep |

# TOTAL PERFORMANCE

DUPONT
PIONEER

## Soybeans for maximum yield

Yield potential isn't something you take for granted. It's a top priority all season long. Pioneer® brand soybean varieties have the newest genetics with key defensive and agronomic traits to accelerate top-end yield performance. And with early maturity, varieties like Pioneer® brand **900Y61** (RR) and **900Y71** (RR) are bred to perform in Manitoba.

Pioneer soybeans. Total performance for maximum yield.

**www.pioneer.com**

# SUNFLOWERS - NON-OIL TYPE

***Comments*:**

The 2012 sunflower trials were tested and data donated by the National Sunflower Association of Canada Inc.

All sunflower varieties currently available are susceptible to sclerotinia rot. Weather conditions and presence of sclerotinia inoculum play a major role in disease development and severity.

Seed sizing information will be posted in January 2013 at www.seedmb.ca.

More detailed information from individual trials will be distributed to NSAC members in good standing in the December 2012 edition of the Canadian Sunflower Grower magazine.

## Variety Descriptions

| | | | | 2012 Yield (lb/ac) | | | 2011 | % | Maturity[1] | Height[1] | Resistance to: | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Herb | | | | | | | | | | Verticillium | Downy[3] |
| Company | Variety | Type | DMR | Beausejour | Minto | Morden | Summary | Nutmeat | (days) | (inches) | Rust[2] | Wilt | Mildew |
| Seeds 2000 | 6946 | — | N | 2817 | 3571 | 4332 | 2563 | 58 | 122 | 68 | S | MR | HS |
| Seeds 2000 | 6946 DMR | — | Y | 3054 | 3813 | 4352 | 2711 | 57 | 120 | 68 | HS | MR | R |
| Seeds 2000 | 6950 | — | N | 2842 | 3583 | 4050 | 2675 | 56 | 123 | 70 | MR | MR | HS |
| Seeds 2000 | Jaguar DMR | CL | Y | 3313 | 3723 | 3585 | — | 50 | 123 | 67 | — | — | — |
| Seeds 2000 | Jaguar | CL | N | 2918 | 3770 | 3829 | 2456 | 52 | 122 | 67 | MS | MR | HS |
| Seeds 2000 | Sundance DMR | — | Y | 3276 | 3764 | 3391 | 2731 | 50 | 123 | 73 | HS | MR | MR |
| **Experimental lines are being tested/proposed for registration in Canada** | | | | | | | | | | | | | |
| CHS Sunflower | RH400 CL | CL | N | 3102 | 3483 | 3933 | 2848 | 48 | 122 | 72 | MR | MS | S |
| Seeds 2000 | X9180 EX DMR | ExSun | Y | 2951 | 3706 | 3781 | 2880 | 54 | 123 | 69 | HS | MS | MR |
| | **Site Grand Mean (lb/ac)** | | | 2895 | 3528 | 3796 | 2544 | | | | | | |
| | CV% | | | 9.4 | 6.2 | 10.6 | | | | | | | |
| | LSD (lb/ac) | | | 394 | 316 | 691 | | | | | | | |
| | Sign Diff | | | Yes | Yes | Yes | | | | | | | |
| | **Seeding Date** | | | 15-May | 14-May | 11-May | | | | | | | |
| | **Harvest Date** | | | 28-Sep | 12-Oct | 14-Sep | | | | | | | |

1 Average height and maturity dervied from data collected in the MCVET Sunflower trials in 2008-2012. Data from all sites accepted for yield.

2 Reaction indicated is to Races 2, 3, and 4 under controlled indoor conditions.

3 Reaction indicated is to Race 2.

MANITOBA

***Beausejour***
Carl Bangert
204-268-4294

***Carberry***
Kendell Kohinski
Redfern Farm Services
204-834-3356

***Carman***
Bud McKnight
Seeds Ltd.
204-745-2310

***Deloraine***
Paterson Grain
204-747-2333

***Elie***
Munro Farm Supplies
204-353-1250

***Gunton***
Paterson Grain
204-886-3401

***Holland***
Paterson Grain
204-526-2240

***Killarney***
Paterson Grain
204-523-8936

***Letellier***
Allan Calder
204-737-2605

***MacGregor***
Munro Farm Supplies
204-685-5685

***Melita***
Paterson Grain
204-522-3472

***Morden***
Norm/Philip
Hildebrand
204-822-3853

***Morris***
Paterson Grain
204-746-2281

***Neepawa***
Munro Farm Supplies
204-476-7580


***Niverville***
Terra *Flex* Ag
204-388-6565

MANITOBA

***Oakville***
Munro Farm Supplies
204-267-2701

***Pierson***
Paterson Grain
204-634-2291

***Portage la Prairie***
Munro Farm Supplies
204-857-8741

***Souris***
Fraser Ag
204-483-7333

***Steinbach***
Terra Flex Ag
204-326-4405

***Treherne***
Ian/Harvey
Pritchard
204-526-7169

***Westbourne***
Munro Farm Supplies
204-274-3050

***Winnipeg***
Bruce Stewart
204-633-6010

***Winnipeg Terminal***
Paterson Grain
204-694-4445

ALBERTA

***Brooks***
Jim Burton
403-362-4622

SASKATCHEWAN

***Carievale***
Paterson Grain
306-928-2202

| OIL SEED | ROUND TYPE | LONG TYPE |
|---|---|---|
| **Falcon** (ExpressSun®) | **6946** | **Jaguar** (Clearfield®) |
| | **6946 DMR** | **Jaguar DMR** (Clearfield®) |
| | **6950** | **Sundance DMR** |

# We have 'em all!! Call an Independent Sales Associate near you for details!

**SEEDS 2000 / P. O. Box 282 / Letellier, MB R0G 1C0 / 1-877-733-3636 / www.seeds2000.net**

# SUNFLOWERS - OIL TYPE

***Comments*:**

The 2012 sunflower trials were tested and data donated by the National Sunflower Association of Canada Inc.

All sunflower varieties currently available are susceptible to sclerotinia rot. Weather conditions and presence of sclerotinia inoculum play a major role in disease development and severity.

Oil content information will be posted in January 2013 at www.seedmb.ca.

More detailed information from individual trials will be distributed to NSAC members in good standing in the December 2012 edition of the Canadian Sunflower Grower magazine.

## Variety Descriptions

| Company | Variety | Oil Type | Herb Type | DMR | 2012 Yield (lb/ac) Beausejour | Minto | Morden | 2011 Summary | Maturity[1] (days) | Height[1] (inches) | Resistance to: Rust[2] | Verticillium Wilt | Downy[3] Mildew |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DuPont Pioneer | 63N82 | NS | ExSun | Y | 2322 | 3502 | 3420 | 2139 | 128 | 66 | S | MR | S |
| Seeds 2000 | Defender Plus | NS | — | Y | 2309 | 3320 | 3674 | 2357 | 123 | 62 | HS | MR | R |
| SYNGENTA Seed | IS 3433 NS/DM | NS | — | Y | 2683 | 3964 | 3814 | — | 127 | 61 | HS | MR | MR |
| Syngenta | 7120 HO/DM | HO | — | N | 2310 | 3492 | 3246 | — | 124 | 63 | S | MR | MR |
| Syngenta | 3495 NS/CL/DM | NS | CL | Y | 2768 | 3856 | 4171 | — | 126 | 73 | HS | MR | M |
| Seeds 2000 | X4219 | NS | ExSun | N | 2852 | 4076 | 3745 | 2272 | 126 | 64 | HS | MR | S |
| **Experimental lines are being tested/proposed for registration in Canada** | | | | | | | | | | | | | |
| DuPont Pioneer | P63ME70 | NS | ExSun | Y | 2502 | 4163 | 3783 | 2825 | 126 | 69 | HS | MR | R |
| DuPont Pioneer | P63ME80 | NS | ExSun | Y | 2638 | 3620 | 3581 | 2070 | 129 | 70 | HS | MR | R |
| Seeds 2000 | X6822 | HO | CL | Y | 2728 | 3508 | 3745 | — | 129 | 67 | — | — | — |
| Syngenta | SYN NX 24121 | HO | CL | Y | 2471 | 3095 | 3298 | — | 127 | 71 | MR | MR | R |
| | | **Grand Mean (lbs/ac)** | | | 2558 | 3660 | 3648 | 2334 | | | | | |
| | | CV% | | | 11.4 | 9.0 | 6.8 | | | | | | |
| | | LSD (lbs/ac) | | | — | 479 | 423 | | | | | | |
| | | Sign Diff | | | No | Yes | Yes | | | | | | |
| | | **Seeding Date** | | | 15-May | 14-May | 11-May | | | | | | |
| | | **Harvest Date** | | | 28-Sep | 12-Oct | 14-Sep | | | | | | |

1 Average height and maturity dervied from data collected in the MCVET Sunflower trials in 2008-2012. Data from all sites accepted for yield.
2 Reaction indicated is to Races 2, 3, and 4 under controlled indoor conditions.
3 Reaction indicated is to Race 2.

# Join the conversation

Are you dealing with issues in managing disease, insects, harvesting or storage?

## Join **Crop Chatter.**

If you are looking for advice, look no further than **CropChatter.com**. You can ask questions, post photos or just share your crop-management problems – and solutions – with other farmers.

### Visit CropChatter.com today and be part of the conversation.

crop chatter MANITOBA

Unbiased crop management advice

**www.cropchatter.com**

- Receive updates when new information is posted.
- See something you can't identify? Post a photo and Crop Chatter's team of experts can help. The answer will be shared with others.
- Add your thoughts and share your solutions with fellow farmers.

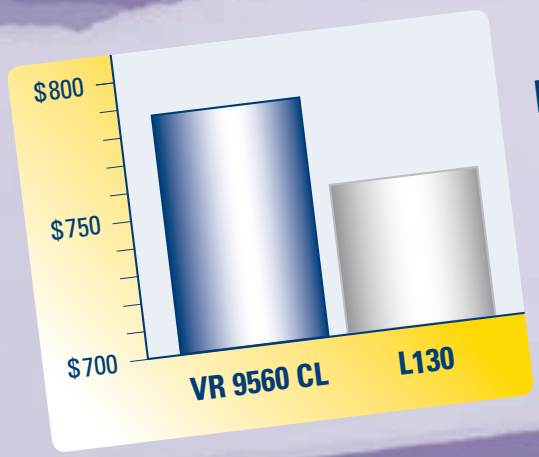
# VR9560CL

## Tremendous Profit Potential.

**Earn $30/MT ($0.68/bu) premium and FREE on-farm pick up.***

- Top performing Clearfield® hybrid second year in a row**
- R to Blackleg and Fusarium Wilt
- Very Good Lodging Resistance

For more information, visit your Viterra ag retail or **seed.viterra.ca**




Based on 2012 Canola Performance mid season zone trial. Commodity price based on $591.60/MT plus $30/MT premium on VR 9560 CL.

**Available at:** VITERRA™

**Performance based on 2012 Canola Performance Trials.

Clearfield® Production System for Canola

PIONEER® BRAND · CANOLA SEED

* Viterra production contract required. VR 9560 CL canola is a Viterra researched and recommended variety.
Clearfield® is a registered trademark of BASF Agricultural Products. All products listed are trademarks of their respective companies.

# Distributor Contacts for Varieties in Seed Manitoba 2013

Look up variety within the correct CROP KIND to find the company, then look for company phone number in the box at bottom of section.

## CANOLA

- see Canola table to determine which companies market specific varieties -

## FLAX

| | |
|---|---|
| AAC Bravo | FP Genetics |
| AC Carnduff | SeCan |
| AC Emerson | SeCan |
| AC Watson | Viterra |
| CDC Arras | FP Genetics |
| CDC Bethune | SeCan |
| CDC Glas | SeCan |
| CDC Sanctuary | SeCan |
| CDC Sorrel | SeCan |
| Flanders | SeCan |
| Hanley | SeCan |
| Lightning | CANTERRA SEEDS |
| Macbeth | Viterra |
| NorLin | SeCan |
| Prairie Blue | SeCan |
| Prairie Grande | SeCan |
| Prairie Sapphire | Alliance Seed Corporation |
| Prairie Thunder | CANTERRA SEEDS |
| Taurus | FP Genetics |
| Vimy | SeCan |

## MUSTARD

| | |
|---|---|
| **Sinapis alba** | |
| AC Base | Trade |
| AC Pennant | Trade |
| Ace | Viterra |
| Andante | Trade |
| **Brassica juncea** | |
| AC Vulcan | Trade |
| Centennial Brown | Trade |
| Cutlass | Trade |
| Duchess | Viterra |
| Forge | Viterra |

## CONVENTIONAL SOYBEANS

| | |
|---|---|
| OAC PRUDENCE | SeCan |
| DH404 | Sevita International |
| DH863 | Sevita International |

## NATTO SOYBEANS

| | |
|---|---|
| AC QGC 12N | Quarry Seeds Ltd. |

## ROUNDUP READY SOYBEANS

| | |
|---|---|
| 004R21 | Delmar Commodities |
| 23-10RY | DEKALB |
| 24-10RY | DEKALB |
| 25-10 RY | DEKALB |
| 27005RR | Quarry Seeds Ltd. |
| 29002RR | Quarry Seeds Ltd. |
| 900Y61 | DuPont Pioneer |
| 900Y71 | DuPont Pioneer |
| 900Y81 | DuPont Pioneer |

## ROUNDUP READY SOYBEANS

| | |
|---|---|
| 90M01 | DuPont Pioneer |
| 90Y01 | DuPont Pioneer |
| 90Y21 | DuPont Pioneer |
| Astro R2 | Quarry Seeds Ltd. |
| Beurling R2 | SeCan |
| Bishop R2 | SeCan |
| Chadburn R2 | SeCan |
| Currie R2 | SeCan |
| HS 006RYS24 | Hyland Seeds |
| LS 003R22 | Delmar Commodities |
| LS 005R22 | Delmar Commodities |
| LS 006R21 | Delmar Commodities |
| LS 007R22 | Delmar Commodities |
| NSC Anola RR2Y | North Star Genetics Manitoba |
| NSC Elie RR2Y | North Star Genetics Manitoba |
| NSC Jaden RR2Y | North Star Genetics Manitoba |
| NSC Libau RR2Y | North Star Genetics Manitoba |
| NSC Osborne RR2Y | North Star Genetics Manitoba |
| NSC Portage RR | North Star Genetics Manitoba |
| NSC Richer RR2Y | North Star Genetics Manitoba |
| Pekko R2 | BrettYoung |
| PS 0074 R2 | PRIDE Seeds |
| PS 0083 R2 | PRIDE Seeds |
| S00-B7 | Syngenta Canada |
| S01-K8 | Syngenta Canada |
| Sampsa R2 | BrettYoung |
| TH 32004R2Y | Quarry Seeds Ltd. |
| TH 33008R2Y | Quarry Seeds Ltd. |
| Vito R2 | North Star Genetics Manitoba |

## SUNFLOWERS

- see Sunflower table to determine which companies market specific varieties -

| DISTRIBUTOR | PHONE NUMBER |
|---|---|
| Alliance Seed Corporation | 1-877-270-2890 |
| Bayer CropScience | 1-888-283-6847 |
| BrettYoung | 1-800-665-5015 |
| CANTERRA SEEDS | 1-877-439-7333 |
| Cargill | 1-204-947-0141 |
| CHS Sunflower | 1-701-484-5313 |
| DEKALB | 1-800-667-4944 |
| Delmar Commodities | 1-888-974-7246 |
| FP Genetics | 1-877-791-1045 |
| Hyland Seeds | 1-800-265-7403 |
| North Star Genetics Manitoba | 1-701-454-6427 |
| DuPont Pioneer | 1-800-265-9435 |
| PRIDE Seeds | 1-800-265-5280 |
| Quarry Seeds Ltd. | 1-888-274-9243 |
| SeCan | 1-800-665-7333 |
| Seeds 2000 | 1-877-841-7447 |
| Sevita International | 1-613-989-5400 |
| Syngenta Canada Inc. | 1-877-964-3682 |
| Viterra | 1-800-569-4411 |

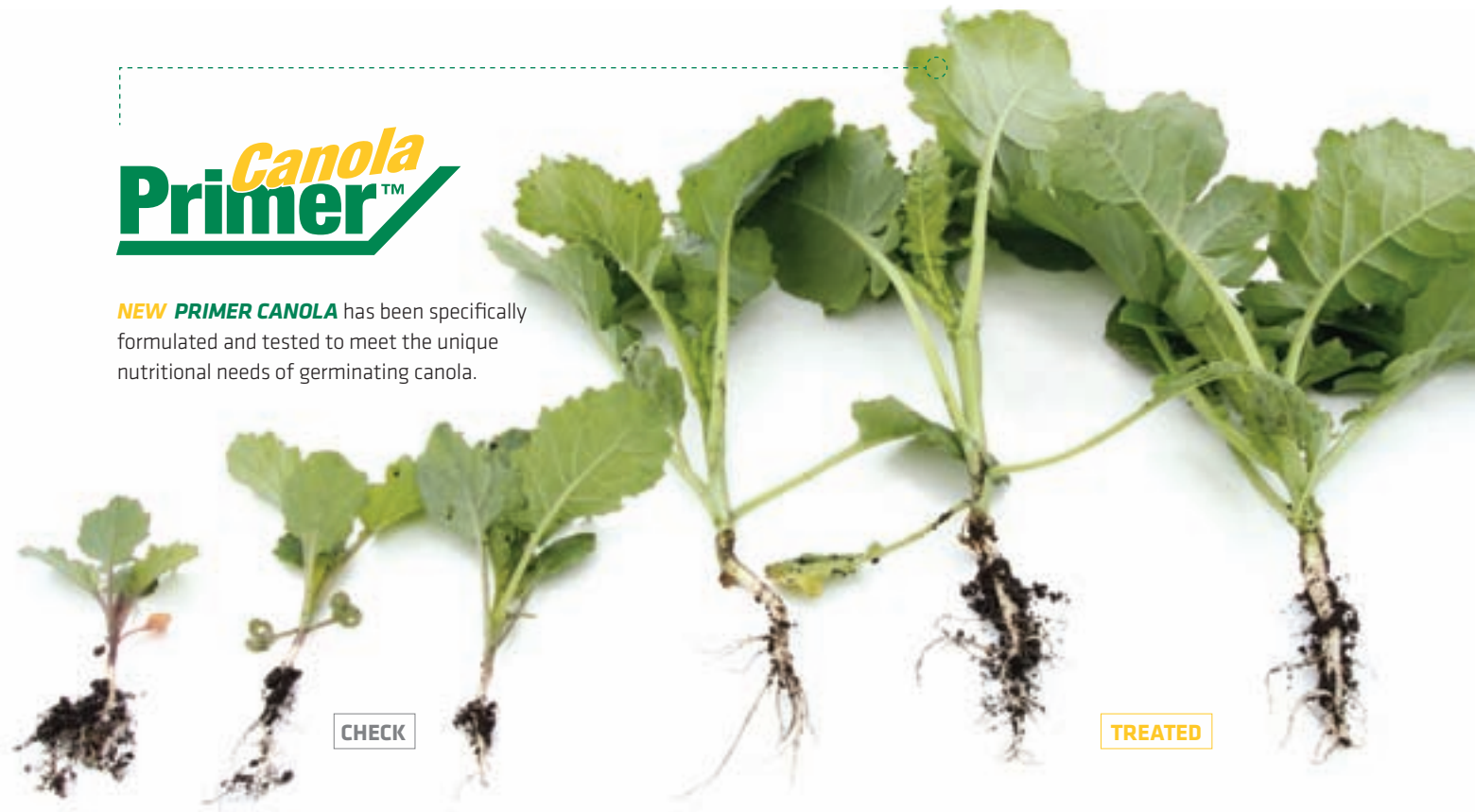
OMEX
the plant health professionals

# Stronger start. Faster finish.

**PRIMER**, **STARTER**, and **FOLIAR** nutrition products from Omex promote vigorous seedling emergence, help larger roots develop earlier and improve plant health – getting your crop off to a stronger start and to the finish line faster.

## Canola Primer™

**NEW PRIMER CANOLA** has been specifically formulated and tested to meet the unique nutritional needs of germinating canola.




Speak to an **Omex Plant Health Professional** today at **1-866-860-9660** or visit **omexcanada.com**.

# Growers List

## CANOLA

S=Select; F=Foundation; R=Registered; C=Certified; ♻ Indicates Plant Breeders' Rights protected. Other varieties may have PBR protection pending.

### 1918♻

| | | |
|---|---|---|
| Winnipeg; Canterra Seeds Ltd. | 204-988-9750 | C |
| Winnipeg; Canterra Seeds Ltd. | 204-988-9750 | C |

### RED RIVER 1861

| | | |
|---|---|---|
| Gilbert Plains; Tokar, Bob & Stoughton, Murray | 204-548-2805 | C |

## FLAX

### AAC Bravo♻

| | | |
|---|---|---|
| Domain; Manness, Ronald & Patricia & Graeme | 204-736-2622 | S |
| Somerset; Sierens, Joseph & Chris | 204-744-2883 | S |

### CDC BETHUNE♻

| | | |
|---|---|---|
| Boissevain; Froese, Wesley A.J. & Ian | 204-534-6846 | C |
| Boissevain; Latimer, Kevin B. & Duane E. | 204-534-6631 | C |
| Carman; Elias, Isaac | 204-745-3301 | C |
| Crystal City; Buchanan, Kenneth S.& Dean K. | 204-873-2661 | C |
| Domain; Manness, Clayton & Scott & Alan | 204-736-2922 | C |
| Domain; Manness, Ronald & Patricia & Graeme | 204-736-2622 | C |
| Killarney; Brinkschulte, Hermann | 204-523-7464 | R |
| Milden; Bailey, George & Roy G.& Ralph J.& C. & B. | 306-935-4702 | R |
| Notre Dame; Durand, Gabriel A. & Marc | 204-248-2268 | C |
| Oak River; Henry, Cameron & Mc Lean, Eric | 204-566-2422 | C |
| Oakville; Miller, Darcy Charles | 204-267-2283 | R |
| Reston; Greig, Fred L. & Fotheringham, John A. (Jack) | 204-877-3813 | C |

### CDC SORREL♻

| | | |
|---|---|---|
| Carman; Menold, Thomas | 204-745-3377 | C |
| Deloraine; Bolduc, Ronald And Bell, A.J. & J.C. | 204-747-2913 | C |
| Elie; Lachance, J.B. Adrien & Paul M. & Lionel | 204-353-2694 | C |
| Elphinstone; Gerrard, Jody | 204-759-2213 | C |
| Foxwarren; Graham, George Arthur | 204-683-2367 | R |
| Notre Dame; Durand, Leo | 204-248-2372 | C |
| Portage; Pugh, William G.& B.M. | 204-274-2179 | R |
| Sanford; Schlichting, Martin | 204-736-4068 | C |
| Somerset; Van Deynze, Marc | 204-744-2384 | C |
| Stonewall; Unger, Ronald K. & Darcy | 204-467-8630 | C |
| Wawanesa; Ellis, Warren P. & Simon | 204-824-2290 | C |

### HANLEY♻

| | | |
|---|---|---|
| La Salle; Wiens, Edward & Ernie | 204-736-2646 | C |
| Sanford; Bergen, Edward Harry & Tim | 204-736-2278 | R |
| Winnipeg; James, David J.& Dorothy | 204-222-8785 | C |

## FLAX

S=Select; F=Foundation; R=Registered; C=Certified; ♻ Indicates Plant Breeders' Rights protected. Other varieties may have PBR protection pending.

### LIGHTNING♻

| | | |
|---|---|---|
| Crandall; Doupe, Neil D. | 204-562-3632 | C |
| Plumas; Court, Randolph A. & Jeanine | 204-386-2354 | C |
| Somerset; Sierens, Joseph & Chris | 204-744-2883 | R |

### PRAIRIE SAPPHIRE♻

| | | |
|---|---|---|
| Arborg; Fridfinnson, Eric Numi | 204-376-5180 | C |
| Boissevain; Armstrong, Duncan T. & A.J. | 204-534-2566 | R |
| Roblin; Mann, Ryan L.C. | 204-937-2154 | C |

### PRAIRIE THUNDER♻

| | | |
|---|---|---|
| Reston; Greig, Fred L. & Fotheringham, John A. (Jack) | 204-877-3813 | R C |

## MUSTARD

### AAC A100♻

| | | |
|---|---|---|
| Winnipeg; Canterra Seeds Ltd. | 204-988-9750 | C |

## SOYBEANS

### 004R21

| | | |
|---|---|---|
| Altona; Martens, Wesley J. | 204-324-6061 | C |
| Dufrost; Catellier, Guy R. | 204-347-5534 | C |
| Gretna; Krahn, Kevin | 204-327-6444 | C |
| Morris; Enns, Art | 204-746-8522 | C |
| St. Jean Baptiste; Lafond, Normand | 204-758-3933 | C |
| Winkler; Delmar Commodity Ltd. | 888-974-7246 | C |

### 23-10RY

| | | |
|---|---|---|
| Tillsonburg; Monsanto Canada Inc. | 519-688-9888 | S F C |

### 24-10RY

| | | |
|---|---|---|
| Homewood; Froebe, Earl W., Bruce D. & Murray | 204-745-2868 | C |
| Tillsonburg; Monsanto Canada Inc. | 519-688-9888 | S C |

### 25-10RY

| | | |
|---|---|---|
| Tillsonburg; Monsanto Canada Inc. | 519-688-9888 | R C |

### 32004R2Y

| | | |
|---|---|---|
| Altona; Martens, Wesley J. | 204-324-6061 | C |
| Aubigny; Chartier, Remi | | C |
| Dufrost; Catellier, Guy R. | 204-347-5534 | C |
| Morris; Dueck , Arthur | 204-746-2026 | C |