

2019 SOYBEAN VARIETY GUIDE

This publication features the results from MSPG-sponsored trials.

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KEY FOR SOYBEAN VARIETY TABLES

Manitoba Variety Zone – Soybean varieties are organized into four maturity zones – very early-, early-, mid- and long-season. These categories reflect the *Manitoba Soybean Maturity Zones* map, based on long-term heat unit and frost-free period data. Varieties fit into respective zones based on average relative days to maturity. Each zone indicates the longest season varieties that should be selected for a given region.

Company Maturity Group – The maturity ranking provided by seed suppliers, indicating growing season length. Triple zero (000) and double zero (00) soybean varieties are best suited to Manitoba. Varieties currently tested in Manitoba range from 000 (earliest) to 0.1 (longest).

Type

RR1 = Roundup Ready 1 soybeans with glyphosate herbicide tolerance

R2Y = Genuity® Roundup Ready 2 Yield® soybeans with glyphosate herbicide tolerance

R2X = Roundup Ready 2 Xtend® soybeans with dicamba and glyphosate herbicide tolerance

DTM +/- Check – The number of days from planting to full maturity (R8 or 95% brown pod). It is expressed as + or – days relative to the check variety. Actual days to maturity for the check variety is found in the shaded area at the bottom of the table. Average days to maturity is calculated from multiple site years. Maturity can vary by year, which is why it is important to use long-term data for variety selection.

Hilum Colour – The hilum is the area of a soybean seed that was previously attached to the pod. Hilum colour is a marketing factor that varies among soybean varieties. Hilum colour can be clear (CL), yellow (Y), imperfect yellow (IY), grey (GR), light brown (LB), brown (BR), tan (TN), imperfect black (IB) or black (BL).

Table 1. Field risk of IDC based on carbonate and soluble salt soil test levels.

| Soluble Salt (mmhos/cm) | Carbonate (%) | | |
|----------------------------|---------------|-----------|-----------|
| | 0 to 2.5 | 2.6 to 5 | >5.0 |
| 0 to 0.25 | Low | Low | Moderate |
| 0.26 to 0.50 | Low | Moderate | High |
| 0.50 to 1.0 | Moderate | High | Very high |
| >1.0 | High | Very high | Extreme |

Source: Agvise Laboratories

IDC Rating and Group – The iron deficiency chlorosis (IDC) rating is the severity of IDC on a scale of one to five at the V2 to V3 stages. Ratings are conducted over three to five weeks, or until the symptoms dissipate. The greater the value, the more severe and persistent the IDC symptoms. Lower IDC ratings perform better on soils prone to IDC. Ratings are reported as the three-year average from a site near Winnipeg that is prone to IDC. Each variety is also assigned a group to indicate the overall level of tolerance.

IDC Ratings

| | |
|------------------------------------|--|
| 1 = green leaves | 4 = brown dead tissue between green veins |
| 2 = yellowish leaves | 5 = severe chlorosis and a stunted growing point |
| 3 = green veins with yellow leaves | |

IDC Groups

T = tolerant ST = semi-tolerant S = susceptible

Table 2. Resistance to *Phytophthora sojae* (rps) genes currently available in Manitoba for control of Phytophthora root rot.

| Race of <i>P. sojae</i> | Rps Gene | | | | |
|-------------------------|----------|----|----|----|---|
| | 1a | 1c | 1k | 3a | 6 |
| New Pathotype | S | S | S | S | R |
| 25 | S | S | S | R | R |
| 4 | S | S | R | R | R |
| 28 | S | R | S | R | R |
| 3 | S | R | R | R | R |

S = susceptible R = resistant

Source: Debra McLaren, AAFC

SCN – Variety resistance to soybean cyst nematode (SCN). The presence of SCN was confirmed for the first time in Manitoba in 2019. For full details of SCN findings, visit manitobapulse.ca.

PRR – Phytophthora root rot (PRR) race-specific resistance genes for each variety. Resistance genes that correspond with prevalent races in Manitoba are listed in Table 2. A new pathotype was most prevalent in Manitoba in 2018, according to Agriculture and Agri-Food Canada research. Soybean varieties with the rps 6 gene are resistant to this new pathotype.



IDC Rating 1



IDC Rating 1.7



IDC Rating 2.1



IDC Rating 2.5



IDC Rating 3.5



IDC Rating 4.0

HERBICIDE TOLERANT SOYBEANS ♦ VARIETY DESCRIPTIONS ♦ EASTERN MANITOBA

| Manitoba Maturity Zone | Company Maturity Group | Variety | Type | Average DTM +/- Check† | Yield % Check | Site Years Tested | Hilum Colour | IDC | | Resistance | |
|------------------------|------------------------|-------------------|------------|------------------------|---------------|-------------------|--------------|--------------|-------|------------|---------|
| | | | | | | | | Rating (1-5) | Group | SCN | PRR |
| Very Early-Season Zone | 000.8 | LS TRI8XT | R2X | -10 | 86 | 2 | BL | 1.9 | ST | yes | 1c |
| | 000.5 | NocomaR2 | R2Y | -9 | 94 | 12 | BL | 2.0 | ST | - | 1c |
| | 000.9 | S0009-M2 | R2Y | -9 | 89 | 12 | IY | 2.0 | ST | - | 6 |
| | 00.4 | TH89004 R2X | R2X | -8 | 94 | 2 | BR | 1.8 | ST | - | 1c |
| | 000.7 | PS 00078 XRN | R2X | -7 | 95 | 8 | BL | 1.9 | ST | yes | 1c |
| | 00.2 | Devo R2X | R2X | -6 | 94 | 8 | BR | 1.8 | ST | - | - |
| Early-Season Zone | 000.9 | RX000918 | R2X | -6 | 103 | 2 | BL | 1.7 | T | yes | 1c |
| | 00.1 | P001A48X | R2X | -5 | 99 | 2 | TN | 1.7 | T | - | 1c |
| | 00.1 | PV 11s001 RR2 | R2Y | -5 | 90 | 12 | Y | 1.9 | ST | - | 1c |
| | 000.7 | Karpo R2 | R2Y | -5 | 104 | 2 | GR | 2.2 | ST | - | - |
| | 00.2 | RX00218 | R2X | -5 | 89 | 8 | BR | 1.9 | ST | - | - |
| | 000.2 | Notus R2 | R2Y | -5 | 103 | 8 | BL | 1.6 | T | - | 1c |
| | 00.3 | P003A97X | R2X | -5 | 99 | 2 | GR | 1.9 | ST | yes | 1k |
| | 00.1 | Torro R2 | R2Y | -5 | 100 | 12 | BL | 2.2 | ST | - | - |
| | 00.2 | NSC Redvers RR2X | R2X | -4 | 97 | 2 | BL | 1.9 | ST | yes | 1c |
| | 000.9 | PV 15s0009 R2X | R2X | -4 | 99 | 8 | BL | 2.0 | ST | yes | 1c |
| | 00.4 | NSC Culross RR2X | R2X | -3 | 98 | 2 | BL | 1.7 | T | - | 1c |
| | 00.1 | LS 001XT | R2X | -3 | 105 | 8 | BL | 1.7 | T | yes | 1k |
| | 00.5 | Lono R2 | R2Y | -3 | 107 | 8 | Y | 2.0 | ST | - | 1c |
| | Mid-Season Zone | 00.3 | Dinero R2X | R2X | -2 | 97 | 8 | IY | 1.7 | T | - |
| 00.4 | | TH 32004R2Y | R2Y | -2 | 102 | 2 | BL | 1.7 | T | - | 1c |
| 00.1 | | Prince R2X | R2X | -2 | 94 | 8 | BL | 1.7 | T | - | 1k |
| 00.6 | | S006-M4X | R2X | -2 | 98 | 8 | IY | 1.9 | ST | - | 1c |
| 00.5 | | S007-Y4 | R2Y | -2 | 103 | 12 | IY | 2.0 | ST | - | 1c |
| 00.5 | | P005A83X | R2X | -1 | 104 | 2 | BL | 1.8 | ST | yes | 1c |
| 00.5 | | S006-W5 | R2X | -1 | 96 | 12 | IY | 2.5 | S | - | 1a,3a |
| 00.3 | | Mahony R2 | R2Y | -1 | 99 | 12 | BL | 2.9 | S | - | - |
| 000.9 | | Akras R2 | R2Y | -1 | 107 | 12 | BL | 1.7 | T | - | 1c |
| 00.3 | | B0030L1 | R2Y | -1 | 93 | 2 | BR | 1.9 | ST | - | - |
| 00.5 | | P005A27X | R2X | -1 | 106 | 8 | BR | 1.8 | ST | - | 1c |
| 00.1 | | Sunna R2X | R2X | 0 | 104 | 8 | GR | 1.7 | T | yes | 1c |
| 00.7 | | P007A90R | RR1 | 0 | 100 | 13 | BL | 1.7 | T | yes | 1c |
| 00.4 | | Bourke R2X | R2X | 0 | 106 | 8 | BL | 1.8 | ST | - | 1k |
| 00.3 | | DKB003-29 | R2X | 0 | 99 | 12 | BL | 1.7 | T | yes | - |
| 00.6 | | NSC Sperling RR2Y | R2Y | 0 | 107 | 8 | IY | 1.7 | T | - | 1a |
| 00.6 | | PS 0068 XR | R2X | 0 | 104 | 5 | BL | 1.8 | ST | - | 1c |
| 00.5 | | Foote R2 | R2X | 0 | 95 | 12 | IY | 1.8 | ST | - | 1c |
| 00.3 | | TH 33003R2Y | R2Y | 1 | 100 | 13 | BR | 1.9 | ST | - | 1c |
| 00.3 | | PS 0044 XRN | R2X | 1 | 96 | 12 | BL | 1.8 | ST | yes | 1a,1k |
| 00.5 | | Gray R2 | R2Y | 1 | 98 | 10 | BL | 1.9 | ST | - | 1c |
| 00.6 | | P006A37X | R2X | 1 | 107 | 8 | BR | 1.8 | ST | - | 1c |
| 00.6 | | Dugaldo R2X | R2X | 1 | 100 | 10 | IY | 2.1 | ST | - | 1c,1a,6 |
| 00.5 | | TH 33005R2Y | R2Y | 1 | 100 | 8 | IB | 1.9 | ST | - | 1c |
| 00.3 | | TH 87003 R2X | R2X | 1 | 100 | 12 | BL | 1.7 | T | yes | 1c |
| 00.4 | | B0040L1 | R2Y | 2 | 94 | 8 | BR | 1.7 | T | - | - |
| 00.7 | | P007A08X | R2X | 2 | 114 | 2 | GR | 1.8 | ST | - | 1c |
| 00.5 | Barker R2X | R2X | 2 | 103 | 10 | BL | 1.8 | ST | yes | 1k | |
| 00.4 | PV 16s004 R2X | R2X | 2 | 100 | 8 | BL | 1.9 | ST | yes | 1k | |
| 00.5 | DKB005-52 | R2X | 2 | 100 | 13 | BL | 1.8 | ST | yes | 1c | |
| 00.6 | DKB006-99 | R2X | 2 | 102 | 6 | BL | 1.8 | ST | yes | 3a | |
| Long-Season Zone | 00.8 | PV 14s008 RR2 | R2Y | 3 | 104 | 8 | IY | 1.7 | T | - | - |
| | 00.5 | LS Eclipse | R2Y | 3 | 106 | 5 | BL | 2.2 | ST | yes | 1c |
| | 00.7 | TH 88007R2X | R2X | 3 | 102 | 9 | BL | 1.8 | ST | - | 1c |
| | 00.6 | B0066L1 | R2Y | 3 | 96 | 2 | Y | 1.9 | ST | yes | 1k |
| | 00.7 | RX00797 | R2X | 4 | 100 | 11 | BL | 1.7 | T | yes | 1c |
| | 00.5 | TH 88005R2XN | R2X | 4 | 100 | 9 | BL | 1.8 | ST | yes | 1c |
| | 00.7 | PV 12s007 R2X | R2X | 4 | 103 | 12 | BL | 1.8 | ST | - | - |
| | 00.9 | NSC Jordan RR2Y | R2Y | 4 | 108 | 5 | BL | 2.1 | ST | - | 1c |
| | 00.7 | PS 0074 R2 | R2Y | 4 | 108 | 10 | BR | 1.7 | T | - | - |
| | 00.7 | LS 007XT | R2X | 4 | 113 | 5 | BL | 1.8 | ST | - | 1c |
| | 00.6 | DKB006-29 | R2X | 5 | 102 | 11 | BL | 1.7 | T | - | 1k |
| | 00.8 | NSC Winkler RR2X | R2X | 5 | 111 | 5 | BL | 1.8 | ST | yes | 1c |
| | 00.9 | P00A49X | R2X | 5 | 102 | 5 | BR | 1.7 | T | yes | 1c |
| | 00.5 | PV 10s005 RR2 | R2Y | 5 | 108 | 12 | BL | 1.9 | ST | - | - |
| | 00.5 | LS Mistral | R2Y | 5 | 107 | 9 | BL | 1.7 | T | - | 1c |
| | 00.6 | PRO 2525R2 | R2Y | 5 | 103 | 10 | BL | 1.7 | T | - | - |
| | 00.9 | NSC Aubigny RR2X | R2X | 6 | 103 | 1 | BL | 1.6 | T | yes | 1k |

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HERBICIDE TOLERANT SOYBEANS ♦ VARIETY DESCRIPTIONS continued

| Manitoba Maturity Zone | Company Maturity Group | Variety | Type | Average DTM +/- Check [†] | Yield % Check | Site Years Tested | Hilum Colour | IDC | | Resistance | |
|------------------------|--|--------------|------|------------------------------------|---------------|-------------------|--------------|--------------|-------|------------|-----|
| | | | | | | | | Rating (1-5) | Group | SCN | PRR |
| Long-Season Zone | 0.1 | Hydra R2 | R2Y | 6 | 105 | 5 | BL | 2.1 | ST | - | 1k |
| | 00.8 | PRO 03X74 | R2X | 7 | 112 | 5 | BR | 1.7 | T | - | 1c |
| | 00.8 | Astro R2 | R2Y | 7 | 113 | 5 | BL | 1.7 | T | - | 1k |
| | 00.9 | P00A75X | R2X | 7 | 116 | 1 | IB | 1.7 | T | - | 1k |
| | 00.9 | PRO 2535R2 | R2Y | 8 | 110 | 5 | BL | 1.7 | T | - | 1k |
| | 00.5 | Vidar R2X | R2X | 9 | 102 | 7 | BL | 1.7 | T | yes | 1c |
| | 00.9 | TH89009 R2XN | R2X | 9 | 121 | 1 | BL | 1.6 | T | yes | 1k |
| | 00.9 | PRO 2625 R2 | R2Y | 14 | 112 | 5 | BL | 1.7 | T | - | - |
| | Experimental lines that are being tested/proposed for registration in Canada | | | | | | | | | | |
| | 00.6 | PV 19-S2 | R2X | 4 | 97 | 1 | IB | 2.0 | ST | yes | 1c |
| CHECK CHARACTERISTICS | | | | | | | | | | | |
| P007A90R | | | | 115 | 44 | 13 | | | | | |
| | | | | DTM | bu/ac | site years | | | | | |

† Maturity ratings were averaged across the Carman, Morris, Portage la Prairie and St. Adolphe core sites over multiple years.

HERBICIDE TOLERANT SOYBEANS ♦ YIELDS BY LOCATION ♦ EASTERN MANITOBA

| Manitoba Maturity Zone | Company Maturity Group | Variety | Average DTM +/- Check [†] | 2019 Yield % Check | | | | |
|------------------------|------------------------|-------------------|------------------------------------|---------------------|--------|------------|----------|--------------|
| | | | | Early Sites | | Core Sites | | |
| | | | | Arborg [‡] | Carman | Morris* | Portage* | St. Adolphe* |
| Very Early-Season Zone | 000.8 | LS TRI8XT | -10 | 92 | 81 | 84 | 69 | 67 |
| | 000.5 | NocomaR2 | -9 | 99 | 91 | 76 | 74 | 74 |
| | 000.9 | S0009-M2 | -9 | 101 | 82 | 93 | 88 | 83 |
| | 00.4 | TH89004 R2X | -8 | 101 | 88 | 94 | 86 | 75 |
| | 000.7 | PS 00078 XRN | -7 | 92 | 94 | 79 | 96 | 61 |
| | 00.2 | Devo R2X | -6 | 90 | 77 | 94 | 90 | 75 |
| | 000.9 | RX000918 | -6 | 111 | 95 | 100 | 94 | 85 |
| Early-Season Zone | 00.1 | P001A48X | -5 | 105 | 92 | 93 | 99 | 82 |
| | 00.1 | PV 11s001 RR2 | -5 | 95 | 73 | 69 | 78 | 63 |
| | 000.7 | Karpo R2 | -5 | 103 | 106 | 108 | 99 | 99 |
| | 00.2 | RX00218 | -5 | 88 | 82 | 78 | 91 | 70 |
| | 000.2 | Notus R2 | -5 | 110 | 104 | 100 | 96 | 87 |
| | 00.3 | P003A97X | -5 | 108 | 90 | 98 | 81 | 76 |
| | 00.1 | Torro R2 | -5 | 100 | 87 | 99 | 68 | 73 |
| | 00.2 | NSC Redvers RR2X | -4 | 95 | 98 | 85 | 78 | 74 |
| | 000.9 | PV 15s0009 R2X | -4 | 102 | 97 | 91 | 78 | 73 |
| | 00.4 | NSC Culross RR2X | -3 | 104 | 92 | 108 | 98 | 86 |
| | 00.1 | LS 001XT | -3 | 105 | 98 | 98 | 91 | 83 |
| | 00.5 | Lono R2 | -3 | 117 | 100 | 104 | 99 | 97 |
| | Mid-Season Zone | 00.3 | Dinero R2X | -2 | 96 | 87 | 92 | 80 |
| 00.4 | | TH 32004R2Y | -2 | 104 | 100 | 94 | 91 | 80 |
| 00.1 | | Prince R2X | -2 | 94 | 97 | 88 | 88 | 76 |
| 00.6 | | S006-M4X | -2 | 103 | 101 | 101 | 102 | 83 |
| 00.5 | | S007-Y4 | -2 | 118 | 100 | 124 | 100 | 95 |
| 00.5 | | P005A83X | -1 | 112 | 96 | 96 | 98 | 94 |
| 00.5 | | S006-W5 | -1 | 89 | 96 | 96 | 90 | 70 |
| 00.3 | | Mahony R2 | -1 | 92 | 95 | 91 | 94 | 84 |
| 000.9 | | Akras R2 | -1 | 130 | 105 | 114 | 96 | 106 |
| 00.3 | | B0030L1 | -1 | 94 | 92 | 89 | 91 | 89 |
| 00.5 | | P005A27X | -1 | 103 | 105 | 101 | 93 | 86 |
| 00.1 | | Sunna R2X | 0 | 112 | 94 | 99 | 101 | 90 |
| 00.7 | | P007A90R | 0 | 100 | 100 | 100 | 100 | 100 |
| 00.4 | | Bourke R2X | 0 | 105 | 100 | 103 | 95 | 96 |
| 00.3 | | DKB003-29 | 0 | 91 | 97 | 89 | 90 | 82 |
| 00.6 | | NSC Sperling RR2Y | 0 | 117 | 104 | 110 | 104 | 88 |
| 00.6 | | PS 0068 XR | 0 | - | 89 | 104 | 111 | 103 |
| 00.5 | | Foote R2 | 0 | 88 | 103 | 95 | 93 | 82 |
| 00.3 | | TH 33003R2Y | 1 | 102 | 99 | 96 | 104 | 83 |
| 00.3 | | PS 0044 XRN | 1 | 101 | 98 | 107 | 92 | 84 |
| 00.5 | | Gray R2 | 1 | - | 102 | 95 | 97 | 88 |
| 00.6 | | P006A37X | 1 | 109 | 110 | 100 | 102 | 88 |
| 00.6 | | Dugaldo R2X | 1 | - | 102 | 100 | 105 | 83 |
| 00.5 | TH 33005R2Y | 1 | 92 | 103 | 106 | 103 | 87 | |

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| Manitoba Maturity Zone | Company Maturity Group | Variety | Average DTM +/- Check† | 2019 Yield % Check | | | | |
|---|------------------------|------------------|------------------------|--------------------|--------|------------|----------|--------------|
| | | | | Early Sites | | Core Sites | | |
| | | | | Arborg‡ | Carman | Morris* | Portage* | St. Adolphe* |
| Mid-Season Zone | 00.3 | TH 87003 R2X | 1 | 99 | 94 | 98 | 82 | 98 |
| | 00.4 | B0040L1 | 2 | 92 | 100 | 79 | 85 | 65 |
| | 00.7 | P007A08X | 2 | 117 | 110 | 111 | 108 | 99 |
| | 00.5 | Barker R2X | 2 | - | 96 | 104 | 95 | 77 |
| | 00.4 | PV 16s004 R2X | 2 | 100 | 102 | 109 | 95 | 92 |
| | 00.5 | DKB005-52 | 2 | 95 | 95 | 104 | 97 | 89 |
| | 00.6 | DKB006-99 | 2 | 80 | 104 | 96 | 99 | 81 |
| | 00.8 | PV 14s008 RR2 | 3 | - | 116 | 103 | 101 | 89 |
| | 00.5 | LS Eclipse | 3 | - | 105 | 106 | 106 | 98 |
| | 00.7 | TH 88007R2X | 3 | - | 109 | 109 | 103 | 104 |
| Long-Season Zone | 00.6 | B0066L1 | 3 | 78 | 115 | 102 | 97 | 78 |
| | 00.7 | RX00797 | 4 | 99 | 97 | 95 | 105 | 85 |
| | 00.5 | TH 88005R2XN | 4 | - | 95 | 107 | 100 | 78 |
| | 00.7 | PV 12s007 R2X | 4 | - | 106 | 98 | 96 | 90 |
| | 00.9 | NSC Jordan RR2Y | 4 | - | 108 | 107 | 111 | 91 |
| | 00.7 | PS 0074 R2 | 4 | - | 113 | 96 | 99 | 101 |
| | 00.7 | LS 007XT | 4 | - | 107 | 112 | 111 | 100 |
| | 00.6 | DKB006-29 | 5 | 83 | 108 | 112 | 99 | 91 |
| | 00.8 | NSC Winkler RR2X | 5 | - | 110 | 94 | 106 | 101 |
| | 00.9 | P00A49X | 5 | - | 112 | 117 | 101 | 97 |
| | 00.5 | PV 10s005 RR2 | 5 | - | 114 | 114 | 113 | 81 |
| | 00.5 | LS Mistral | 5 | - | 116 | 118 | 117 | 105 |
| | 00.6 | PRO 2525R2 | 5 | - | 99 | 109 | 103 | 95 |
| | 00.9 | NSC Aubigny RR2X | 6 | - | 103 | 100 | 99 | 88 |
| | 0.1 | Hydra R2 | 6 | - | 108 | 143 | 112 | 103 |
| | 00.8 | PRO 03X74 | 7 | - | 113 | 106 | 108 | 84 |
| | 00.8 | Astro R2 | 7 | - | 116 | 113 | 102 | 100 |
| | 00.9 | P00A75X | 7 | - | 116 | 121 | 102 | 90 |
| | 00.9 | PRO 2535R2 | 8 | - | 113 | 121 | 105 | 93 |
| | 00.5 | Vidar R2X | 9 | - | 109 | 119 | 108 | 106 |
| 00.9 | TH89009 R2XN | 9 | - | 121 | 132 | 104 | 104 | |
| 00.9 | PRO 2625 R2 | 14 | - | 120 | 141 | 116 | 99 | |
| Experimental lines that are being tested/proposed for registration in Canada | | | | | | | | |
| | 00.6 | PV 19-52 | 4 | - | 97 | 75 | 88 | 71 |
| CHECK CHARACTERISTICS | | | | | | | | |
| | | P007A90R | 115 | 41 | 38 | 29 | 37 | 29 |
| | | | DTM | | | bu/ac | | |
| | | | CV % | 8.2 | 6.4 | 6.3 | 8.6 | 7.2 |
| | | | LSD % | 13 | 10.4 | 10 | 14 | 10 |
| | | | Sign. Diff. | yes | yes | yes | yes | yes |
| | | | Seeding Date | May 21 | May 23 | May 28 | May 28 | May 20 |
| | | | Harvest Date | Oct 9 | Oct 8 | Nov 5 | Nov 5 | Nov 4 |

† Maturity ratings were averaged across the Carman, Morris, Portage la Prairie and St. Adolphe core sites over multiple years. ‡ Dashes indicate that varieties were not tested at the Arborg site. * Days to maturity and yields from 2019 were not factored into long-term averages due to harvest delays.

HERBICIDE TOLERANT SOYBEANS ♦ VARIETY BY DESCRIPTIONS & YIELDS BY LOCATION ♦ WESTERN MANITOBA

| Manitoba Maturity Zone | Company Maturity Group | Variety | Average DTM +/- Check† | Yield % Check | Site Years Tested | IDC | | Resistance | | 2019 Yield % Check | |
|------------------------|---|-----------------|------------------------|---------------|-------------------|--------------|-------|------------|-------|--------------------|--------|
| | | | | | | Rating (1-5) | Group | SCN | PRR | Hamiota | Melita |
| Very Early-Season Zone | 000.5 | Amirani R2 | -7 | 87 | 2 | 1.9 | ST | - | - | 85 | 89 |
| | 000.7 | B00071RX | -6 | 79 | 2 | 1.7 | T | - | 1k | 74 | 87 |
| | 000.6 | NSC Leroy RR2Y | -6 | 83 | 17 | 2.2 | ST | - | - | 79 | 77 |
| | 000.4 | Varuna R2 | -5 | 81 | 2 | 1.9 | ST | - | - | 84 | 77 |
| | 000.7 | S0007-B7X | -4 | 89 | 2 | 1.7 | T | - | 1c | 84 | 95 |
| | 000.7 | CP00719RX | -4 | 80 | 2 | 2.0 | ST | - | - | 78 | 81 |
| | 000.8 | NSC Watson RR2Y | -3 | 96 | 22 | 2.1 | ST | - | 6 | 75 | 94 |
| | 000.5 | NocomaR2 | -3 | 95 | 12 | 2.0 | ST | - | 1c | 88 | 84 |
| | 000.9 | S0009-M2 | -2 | 99 | 22 | 2.0 | ST | - | 6 | 97 | 96 |
| | Experimental lines that are being tested/proposed for registration in Canada | | | | | | | | | | |
| | 000.5 | NSC EXP0005X | -2 | 86 | 2 | 2.0 | ST | - | 1a | 84 | 88 |
| Early-Season Zone | 000.7 | Fresco R2X | -1 | 86 | 2 | 2.2 | ST | - | 1a | 88 | 83 |
| | 000.5 | TH890005 R2XN | 0 | 85 | 7 | 1.8 | ST | yes | 1c,1k | 87 | 95 |
| | 000.7 | PS 00078 XRN | 0 | 93 | 7 | 1.9 | ST | yes | 1c | 93 | 88 |

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HERBICIDE TOLERANT SOYBEANS ♦ VARIETY DESCRIPTIONS & YIELDS BY LOCATION ♦ WESTERN MANITOBA continued

| Manitoba Maturity Zone | Company Maturity Group | Variety | Average DTM +/- Check† | Yield % Check | Site Years Tested | IDC | | Resistance | | 2019 Yield % Check | |
|---|------------------------|------------------|------------------------|---------------|-------------------|--------------|-------|--------------|-------------|--------------------|--------|
| | | | | | | Rating (1–5) | Group | SCN | PRR | Hamiota | Melita |
| Early-Season Zone | 00.1 | NSC Reston RR2Y | 0 | 100 | 32 | 2.4 | S | – | 1k | 100 | 100 |
| | 00.1 | PV 11s001 RR2 | 1 | 90 | 12 | 1.9 | ST | – | 1c | 85 | 90 |
| | 000.5 | DKB0005-44 | 1 | 92 | 7 | 1.9 | ST | yes | 1c | 95 | 93 |
| | 00.1 | LS 001E020 | 2 | 81 | 2 | 1.7 | T | – | – | 80 | 82 |
| | 00.3 | S003-Z4X | 2 | 104 | 2 | 1.8 | ST | – | 1c | 101 | 108 |
| | 00.1 | Torro R2 | 2 | 97 | 12 | 2.2 | ST | – | – | 92 | 92 |
| | 000.7 | Karpo R2 | 2 | 105 | 2 | 2.2 | ST | – | – | 103 | 109 |
| | 000.2 | Notus R2 | 2 | 99 | 16 | 1.6 | T | – | 1c | 93 | 106 |
| | 000.8 | LS TR18XT | 2 | 93 | 7 | 1.9 | ST | yes | 1c | 86 | 86 |
| | 00.4 | TH89004 R2X | 2 | 100 | 2 | 1.8 | ST | – | 1c | 97 | 104 |
| | 000.9 | RX000918 | 2 | 95 | 7 | 1.7 | T | yes | 1c | 91 | 99 |
| | 00.3 | RX Cedo | 3 | 97 | 7 | 1.9 | ST | – | – | 85 | 90 |
| | 00.6 | Renuka R2X | 3 | 102 | 2 | 1.7 | T | – | 1c | 99 | 107 |
| | 000.9 | Fisher R2X | 3 | 89 | 2 | 1.8 | ST | yes | 1k | 84 | 95 |
| | 00.3 | DKB003-29 | 3 | 98 | 11 | 1.7 | T | yes | – | 93 | 100 |
| | 00.1 | P001A48X | 3 | 98 | 2 | 1.7 | T | – | 1c | 92 | 105 |
| | 00.5 | S006-W5 | 3 | 104 | 16 | 2.5 | S | – | 1a,3a | 93 | 103 |
| | 00.2 | Devo R2X | 3 | 89 | 2 | 1.8 | ST | – | – | 92 | 86 |
| | 00.5 | P005A83X | 3 | 103 | 2 | 1.8 | ST | yes | 1c | 97 | 110 |
| | 00.1 | LS 001XT | 3 | 100 | 7 | 1.7 | T | yes | 1k | 87 | 95 |
| | 000.9 | PV 15s0009 R2X | 3 | 98 | 6 | 2.0 | ST | yes | 1c | 88 | 97 |
| | 00.3 | McLeod R2 | 3 | 104 | 31 | 1.8 | ST | – | – | 91 | 106 |
| | 00.3 | P003A97X | 4 | 100 | 2 | 1.9 | ST | yes | 1k | 93 | 109 |
| | 00.5 | S007-Y4 | 4 | 108 | 26 | 2.0 | ST | – | 1c | 100 | 117 |
| | 00.3 | Dinero R2X | 4 | 89 | 2 | 1.7 | T | – | – | 81 | 100 |
| | 00.4 | TH 32004R2Y | 4 | 108 | 22 | 1.7 | T | – | 1c | 104 | 109 |
| | 00.3 | Mahony R2 | 4 | 106 | 25 | 2.9 | S | – | – | 100 | 111 |
| | 00.3 | TH 87003 R2X | 4 | 103 | 13 | 1.7 | T | yes | 1c | 84 | 100 |
| 00.1 | Sunna R2X | 4 | 100 | 6 | 1.7 | T | yes | 1c | 90 | 102 | |
| 00.5 | P005A27X | 4 | 104 | 7 | 1.8 | ST | – | 1c | 91 | 108 | |
| 00.1 | Prince R2X | 4 | 93 | 6 | 1.7 | T | – | 1k | 81 | 112 | |
| Experimental lines that are being tested/proposed for registration in Canada | | | | | | | | | | | |
| | 000.9 | PV 19-S1 | -1 | 93 | 2 | 1.9 | ST | – | 6 | 96 | 87 |
| | 00.3 | NSC EXP002E | 3 | 78 | 2 | 2.0 | ST | – | – | 77 | 79 |
| | 000.9 | SVX0009X95 | 4 | 96 | 2 | 1.9 | ST | – | – | 95 | 98 |
| Mid-Season Zone | 00.2 | LS Solaire | 5 | 102 | 16 | 2.3 | S | yes | 1c,1k | 78 | 101 |
| | 00.3 | NSC Newton RR2X | 5 | 89 | 11 | 2 | ST | – | – | 82 | 91 |
| | 00.7 | P007A90R | 5 | 95 | 2 | 1.7 | T | yes | 1c | 85 | 109 |
| | 00.3 | PS 0044 XRN | 5 | 99 | 12 | 1.8 | ST | yes | 1a,1k | 97 | 102 |
| | 000.9 | Akras R2 | 5 | 107 | 26 | 1.7 | T | – | 1c | 102 | 112 |
| | 00.3 | B0030L1 | 5 | 97 | 2 | 1.9 | ST | – | – | 90 | 107 |
| | 00.2 | NSC Redvers RR2X | 5 | 91 | 6 | 1.9 | ST | yes | 1c | 86 | 110 |
| | 000.9 | DKB0009-89 | 6 | 97 | 7 | 1.7 | T | yes | 1c,1k | 93 | 97 |
| | 00.6 | S006-M4X | 6 | 99 | 2 | 1.9 | ST | – | 1c | 98 | 101 |
| | 00.6 | P006A37X | 6 | 110 | 6 | 1.8 | ST | – | 1c | 94 | 119 |
| | 00.5 | Foote R2 | 6 | 101 | 11 | 1.8 | ST | – | 1c | 91 | 109 |
| | 00.6 | RX Acron | 6 | 95 | 2 | 1.8 | ST | yes | – | 89 | 102 |
| | 00.5 | Kudo R2X | 6 | 102 | 2 | 1.6 | T | – | – | 98 | 107 |
| | 00.4 | Bourke R2X | 6 | 101 | 2 | 1.8 | ST | – | 1k | 97 | 106 |
| | 00.4 | PV 16s004 R2X | 8 | 100 | 6 | 1.9 | ST | yes | 1k | 89 | 120 |
| | 00.4 | CP00419RX | 8 | 100 | 2 | 1.9 | ST | yes | 1k | 89 | 115 |
| | 00.5 | PV 10s005 RR2 | 9 | 104 | 11 | 1.9 | ST | – | – | 64 | 111 |
| | 00.4 | B0040L1 | 9 | 91 | 2 | 1.7 | T | – | – | 81 | 104 |
| 00.5 | CP00519RX | 9 | 93 | 2 | 1.8 | ST | yes | 1k | 82 | 109 | |
| Experimental lines that are being tested/proposed for registration in Canada | | | | | | | | | | | |
| | 00.6 | PV 19-S2 | 5 | 92 | 2 | 2.0 | ST | yes | 1c | 79 | 109 |
| | 00.5 | EXP005B | 6 | 107 | 2 | 2.0 | ST | yes | 1k | 94 | 125 |
| CHECK CHARACTERISTICS | | | | | | | | | | | |
| | | NSC Reston RR2Y | 119 | 51 | 32 | | | | | 51 | 38 |
| | | | DTM | bu/ac | site years | | | | | | bu/ac |
| | | | | | | | | | CV % | 6.4 | 6.1 |
| | | | | | | | | | LSD % | 9 | 10 |
| | | | | | | | | | Sign. Diff. | yes | yes |
| | | | | | | | | Seeding Date | | May 16 | May 13 |
| | | | | | | | | Harvest Date | | Oct 17 | Sep 25 |

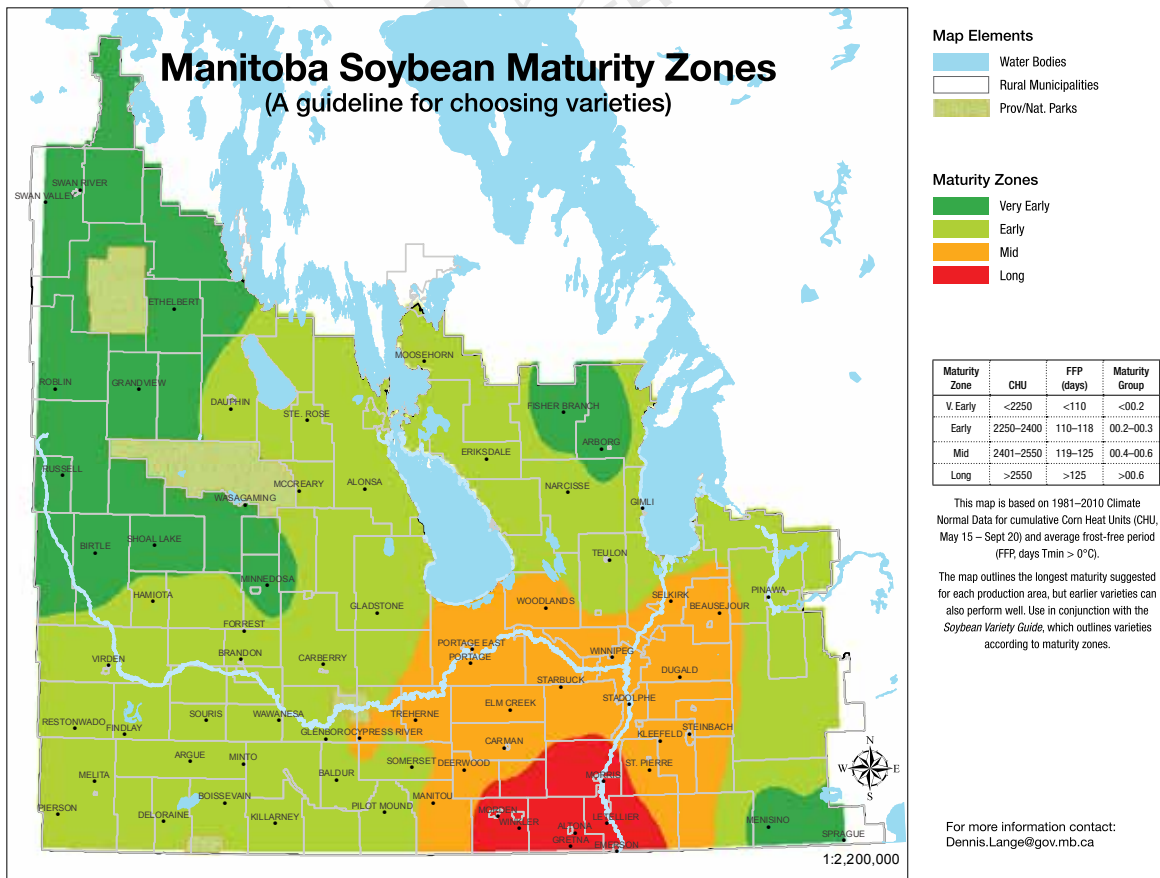
† Maturity ratings were averaged across the Dauphin, Hamiota and Melita sites over multiple years.

HERBICIDE TOLERANT SOYBEANS ♦ YIELDS BY LOCATION ♦ FIRST YEAR ENTRY LEVEL

2019 Yield % Check

| Manitoba Maturity Zone | Variety | Average DTM +/- Check† | Carman | Morris | St. Adolphe | |
|---|---|------------------------|--------|--------|-------------|----|
| Very Early-Season Zone | Varuna R2 | -15 | 89 | 89 | 70 | |
| | Amirani R2 | -15 | 90 | 92 | 80 | |
| | CP000719RX | -12 | 80 | 79 | 77 | |
| | LS 001E020 | -7 | 75 | 71 | 59 | |
| | Experimental lines that are being tested/proposed for registration in Canada | | | | | |
| Early-Season Zone | PV 19-S1 | -9 | 80 | 87 | 85 | |
| | SVX0009X95 | -5 | 92 | 98 | 89 | |
| Mid-Season Zone | S003-Z4X | -4 | 113 | 97 | 89 | |
| | Renuka R2X | -3 | 107 | 89 | 87 | |
| | RX Cedo | -1 | 92 | 89 | 89 | |
| | Merritt R2X | -1 | 112 | 101 | 95 | |
| | TH 33003R2Y | 0 | 105 | 98 | 95 | |
| | P007A90R | 0 | 100 | 100 | 100 | |
| | RX Acron | 0 | 93 | 98 | 93 | |
| | CP00419RX | 0 | 99 | 98 | 97 | |
| | Experimental lines that are being tested/proposed for registration in Canada | | | | | |
| | Long-Season Zone | NSC EXP002E | -1 | 73 | 64 | 59 |
| NSC EXP006X | | 1 | 122 | 104 | 86 | |
| CBZ517A5-C0DNN | | 2 | 113 | 105 | 104 | |
| CP00519RX | | 3 | 105 | 106 | 92 | |
| Experimental lines that are being tested/proposed for registration in Canada | | | | | | |
| CHECK CHARACTERISTICS | EXP005B | 3 | 108 | 92 | 103 | |
| | SVX06X93N | 15 | 142 | 124 | 96 | |
| P007A90R | | 115 | 31 | 31 | 29 | |
| DTM | | | | bu/ac | | |
| CV % | | | 8.4 | 5.7 | 6.5 | |
| LSD % | | | 14 | 9 | 9 | |
| Sign. Diff. | | | yes | yes | yes | |
| Seeding Date | | | May 23 | May 28 | May 20 | |
| Harvest Date | | | Oct 8 | Nov 5 | Nov 4 | |

† Maturity ratings were averaged across the Carman, Morris and St. Adolphe core sites in 2019.



CONVENTIONAL SOYBEANS ♦ VARIETY DESCRIPTIONS

| Manitoba Maturity Zone | Company Maturity Group | Variety | Average DTM +/- Check | Yield % Check | Site Years Tested | Hilum Colour | IDC | | |
|------------------------------|---|--------------|-----------------------|---------------|-------------------|--------------|--------------|-------|--|
| | | | | | | | Rating (1-5) | Group | |
| Early-Season Zone | 00.3 | AAC Dale | -3 | 112 | 15 | Y | 2.3 | S | |
| | 000.9 | AAC Halli | -3 | 101 | 30 | Y | 2.1 | ST | |
| | 000.6 | Siberia | -2 | 112 | 2 | IY | 2.0 | ST | |
| | Experimental lines that are being tested/proposed for registration in Canada | | | | | | | | |
| | 00.2 | SVX17T000S1 | -9 | 98 | 11 | IY | 2.1 | ST | |
| | 00.2 | OT 16-01 | -4 | 108 | 15 | Y | 1.7 | T | |
| | 00.2 | OT18-09 | -2 | 114 | 2 | Y | 1.9 | ST | |
| | 00.3 | Maxus | 0 | 99 | 13 | IY | 2.1 | ST | |
| | 00.3 | OAC Prudence | 0 | 100 | 127 | Y | 1.6 | T | |
| | 00.5 | OAC Morden | 4 | 107 | 37 | Y | 2.0 | ST | |
| Mid-Season Zone | 00.6 | AAC Mandor | 5 | 110 | 37 | Y | 2.2 | ST | |
| | 00 | Kebek | 5 | 99 | 8 | Y | 1.8 | ST | |
| | 00.8 | DH401 | 6 | 98 | 8 | IY | 2.3 | S | |
| | 00.9 | DH863 | 6 | 96 | 20 | IY | 2.3 | S | |
| | 00.8 | Meteor | 6 | 101 | 8 | IY | 2.3 | S | |
| | 00.6 | Opus | 6 | 104 | 13 | IY | 2.2 | ST | |
| | Experimental lines that are being tested/proposed for registration in Canada | | | | | | | | |
| | 00.5 | SVX17T00S15 | -1 | 112 | 8 | IY | 2.3 | S | |
| | 00.2 | SVX19T00S1 | -1 | 90 | 2 | IY | 2.1 | ST | |
| | 00.7 | SVX17T0S12 | 1 | 113 | 8 | IY | 1.9 | ST | |
| | 00 | SC10-11.97 | 2 | 110 | 8 | Y | 2.0 | ST | |
| | 00.2 | PR110196Z012 | 3 | 138 | 1 | IY | 2.3 | S | |
| | 00.6 | OT 16-06 | 4 | 122 | 13 | Y | 2.4 | S | |
| | 00.5 | DL 18.3001 | 4 | 103 | 2 | BL | 2.2 | ST | |
| | 000.8 | PR110187Z017 | 6 | 117 | 1 | IY | 2.5 | S | |
| | 00.7 | SEMS 14-142 | 6 | 132 | 1 | Y | 1.9 | ST | |
| | 00.8 | OT 18-01 | 6 | 123 | 7 | Y | 2.0 | ST | |
| | 00.9 | SVX17T0S15 | 6 | 109 | 2 | IY | 2.0 | ST | |
| | 00.7 | SEMS 14-640 | 6 | 123 | 1 | IY | 2.3 | S | |
| | 000 | SVX20T000S2 | 6 | 92 | 2 | IY | 2.3 | S | |
| Long-Season Zone | 00.5 | Bennie | 7 | 119 | 1 | IY | 2.1 | ST | |
| | 00.9 | Jari | 7 | 108 | 23 | IY | 2.0 | ST | |
| | 0.3 | Astor | 12 | 119 | 7 | Y | 2.0 | ST | |
| | 0.3 | Panorama | 14 | 115 | 7 | Y | 1.9 | ST | |
| | Experimental lines that are being tested/proposed for registration in Canada | | | | | | | | |
| | 00 | PR110212Z046 | 7 | 126 | 1 | IY | 2.1 | S | |
| | 00 | SC10-13.70 | 8 | 113 | 1 | Y | 2.0 | ST | |
| | 00.9 | OT 18-14 | 8 | 136 | 7 | Y | 2.0 | ST | |
| | 0.1 | SVX17T00S23 | 8 | 144 | 1 | IY | 2.0 | ST | |
| | 00.8 | OT 18-12 | 8 | 124 | 7 | Y | 2.2 | ST | |
| | 00 | SC11-70.B33 | 9 | 95 | 2 | IY | 2.3 | S | |
| | 00 | SVX19T00S3 | 9 | 86 | 2 | IY | 2.1 | ST | |
| | 0.4 | DL18.3005 | 10 | 156 | 1 | BF | 2.3 | S | |
| | 0.3 | DL18.3004 | 11 | 134 | 1 | CL | 2.3 | S | |
| 00.8 | OT19-01 | 12 | 153 | 1 | Y | 2.0 | ST | | |
| 0.1 | SVX20T0S11 | 17 | 121 | 1 | IY | 1.7 | T | | |
| CHECK CHARACTERISTICS | | | | | | | | | |
| OAC Prudence | | | 115 | 48 | 127 | | | | |
| | | | DTM | bu/ac | site years | | | | |

† Maturity ratings were averaged across the Carman, Morris and St. Adolphe core sites over multiple years.

CONVENTIONAL SOYBEANS ♦ YIELDS BY LOCATION ♦ EASTERN MANITOBA

| Manitoba Maturity Zone | Company Maturity Group | Variety | Average DTM +/- Check† | 2019 Yield % Check | | | | | |
|------------------------|---|--------------|------------------------|--------------------|-------------|------------|---------|--------------|--|
| | | | | Early Sites | | Core Sites | | | |
| | | | | Arborg‡ | Beausejour* | Carman | Morris* | St. Adolphe* | |
| Early-Season Zone | 00.3 | AAC Dale | -3 | 109 | 102 | 115 | 108 | 113 | |
| | 000.9 | AAC Halli | -3 | 103 | 108 | 97 | 111 | 105 | |
| | 000.6 | Siberia | -2 | 113 | 112 | 110 | 114 | 100 | |
| | Experimental lines that are being tested/proposed for registration in Canada | | | | | | | | |
| | 00.2 | SVX17T000S1 | -9 | 111 | 93 | 104 | 94 | 106 | |
| Mid-Season Zone | 00.2 | OT 16-01 | -4 | 98 | 112 | 116 | 103 | 110 | |
| | 00.2 | OT18-09 | -2 | 109 | 136 | 119 | 108 | 110 | |
| | 00.3 | Maxus | 0 | - | - | 117 | 102 | 98 | |
| | 00.3 | OAC Prudence | 0 | 100 | 100 | 100 | 100 | 100 | |
| | 00.5 | OAC Morden | 4 | - | - | 128 | 110 | 112 | |
| | 00.6 | AAC Mandor | 5 | 131 | 94 | 120 | 114 | 109 | |
| | 00 | Kebek | 5 | 83 | 94 | 115 | 104 | 90 | |

continued ►

CONVENTIONAL SOYBEANS ♦ YIELDS BY LOCATION ♦ EASTERN MANITOBA continued

| Manitoba Maturity Zone | Company Maturity Group | Variety | Average DTM +/- Check† | 2019 Yield % Check | | | | | |
|---|---|--------------|------------------------|--------------------|-------------|------------|---------|--------------|-----|
| | | | | Early Sites | | Core Sites | | | |
| | | | | Arborg‡ | Beausejour* | Carman | Morris* | St. Adolphe* | |
| Mid-Season Zone | 00.8 | DH401 | 6 | 76 | 112 | 119 | 98 | 96 | |
| | 00.9 | DH863 | 6 | - | - | 114 | 98 | 99 | |
| | 00.8 | Meteor | 6 | 95 | 110 | 109 | 105 | 108 | |
| | 00.6 | Opus | 6 | - | - | 107 | 97 | 105 | |
| | Experimental lines that are being tested/proposed for registration in Canada | | | | | | | | |
| | 00.5 | SVX17T00S15 | -1 | 100 | 115 | 109 | 109 | 105 | |
| | 00.2 | SVX19T00S1 | -1 | 80 | 95 | 102 | 100 | 103 | |
| | 00.7 | SVX17T0S12 | 1 | 98 | 95 | 116 | 115 | 111 | |
| | 00 | SC10-11.97 | 2 | 92 | 106 | 119 | 101 | 97 | |
| | 00.2 | PR110196Z012 | 3 | - | - | 138 | 108 | 115 | |
| | 00.6 | OT 16-06 | 4 | - | - | 125 | 116 | 103 | |
| | 00.5 | DL 18.3001 | 4 | 106 | 123 | 100 | 112 | 101 | |
| | 000.8 | PR110187Z017 | 6 | - | - | 117 | 118 | 117 | |
| | 00.7 | SEMS 14-142 | 6 | - | - | 132 | 113 | 123 | |
| | 00.8 | OT 18-01 | 6 | - | - | 127 | 118 | 122 | |
| | 00.9 | SVX17T0S15 | 6 | 92 | 98 | 130 | 110 | 103 | |
| | 00.7 | SEMS 14-640 | 6 | - | - | 123 | 93 | 98 | |
| | 000 | SVX20T000S2 | 6 | 87 | 96 | 98 | 103 | 107 | |
| | Long-Season Zone | 00.5 | Bennie | 7 | - | - | 119 | 107 | 114 |
| | | 00.9 | Jari | 7 | - | - | 120 | 114 | 119 |
| 0.3 | | Astor | 12 | - | - | 139 | 126 | 112 | |
| 0.3 | | Panorama | 14 | - | - | 127 | 117 | 96 | |
| Experimental lines that are being tested/proposed for registration in Canada | | | | | | | | | |
| 00 | | PR110212Z046 | 7 | - | - | 126 | 116 | 110 | |
| 00 | | SC10-13.70 | 8 | - | - | 113 | 114 | 107 | |
| 00.9 | | OT 18-14 | 8 | - | - | 144 | 152 | 138 | |
| 0.1 | | SVX17T00S23 | 8 | - | - | 144 | 120 | 122 | |
| 00.8 | | OT 18-12 | 8 | - | - | 140 | 119 | 126 | |
| 00 | | SC11-70.B33 | 9 | 83 | 99 | 110 | 116 | 107 | |
| 00 | | SVX19T00S3 | 9 | 54 | 120 | 125 | 111 | 119 | |
| 0.4 | | DL18.3005 | 10 | - | - | 156 | 114 | 116 | |
| 0.3 | | DL18.3004 | 11 | - | - | 134 | 135 | 125 | |
| 00.8 | OT19-01 | 12 | - | - | 153 | 119 | 114 | | |
| 0.1 | SVX20T0S11 | 17 | - | - | 121 | 149 | 118 | | |
| CHECK CHARACTERISTICS | | | | | | | | | |
| OAC Prudence | | | 115 | 29 | 34 | 36 | 31 | 23 | |
| | | | DTM | bu/ac | | | | | |
| | | | CV % | 11.4 | 8.3 | 7.5 | 6.5 | 8.5 | |
| | | | LSD % | 18 | 15 | 15 | 12 | 15 | |
| | | | Sign. Diff. | yes | yes | yes | yes | yes | |
| | | | Seeding Date | May 21 | May 21 | May 23 | May 28 | May 20 | |
| | | | Harvest Date | Oct 8 | Nov 5 | Oct 8 | Nov 5 | Nov 3 | |

† Maturity ratings were averaged across the Carman, Morris and St. Adolphe core sites over multiple years. ‡ Dashes indicate that varieties were not tested at the Arborg site. * Days to maturity and yields from 2019 were not factored into long-term averages due to harvest delays.

CONVENTIONAL SOYBEANS ♦ YIELDS BY LOCATION ♦ WESTERN MANITOBA

| Manitoba Maturity Zone | Company Maturity Group | Variety | Average DTM +/- Check† | Yield % Check | Site Years Tested | Hilum Colour | 2019 Yield % Check | | |
|------------------------------|---|--------------|------------------------|---------------|-------------------|--------------|--------------------|------------|--|
| | | | | | | | Melita | Swan River | |
| Early-Season Zone | 00.4 | AAC Edward | -6 | 89 | 2 | IY | 98 | 79 | |
| | 000.9 | AAC Halli | -2 | 93 | 2 | Y | 94 | 91 | |
| | 00.3 | OAC Prudence | 0 | 100 | 7 | Y | 100 | 100 | |
| | 00.3 | AAC Dale | 0 | 106 | 2 | Y | 100 | 112 | |
| | 000.6 | Siberia | 0 | 98 | 2 | IY | 102 | 94 | |
| Mid-Season Zone | 00.3 | Maxus | 2 | 92 | 4 | Y | 98 | 84 | |
| | Experimental lines that are being tested/proposed for registration in Canada | | | | | | | | |
| | 000.8 | PR110187Z017 | 3 | 105 | 2 | IY | 111 | 98 | |
| 00 | PR110212Z046 | 6‡ | 104 | 2 | IY | 109 | 98 | | |
| CHECK CHARACTERISTICS | | | | | | | | | |
| OAC Prudence | | | 118 | 36 | 7 | | 39 | 31 | |
| | | | DTM | bu/ac | site years | | bu/ac | | |
| | | | CV % | | | | 5.1 | 8.2 | |
| | | | LSD % | | | | 9 | 14 | |
| | | | Sign. Diff. | | | | yes | yes | |
| | | | Seeding Date | | | | May 13 | May 24 | |
| | | | Harvest Date | | | | Sep 25 | Oct 11 | |

† Maturity ratings were averaged across the Melita and Swan River sites over multiple years. ‡ Did not reach full maturity in Swan River.