

1985 ONTARIO REPORT - SOYBEANS

Choose a variety that will mature every year in your locality. See Heat Unit Map. When you intend to sow fall wheat following a soybean crop, consider a soybean variety earlier than a full-season variety for your area.

Soybean Variety Recommendations and Description

| Variety | Heat Units Required | Hilum Colour | Seeds Per Kilogram | Phytophthora | Distributor ² |
|--------------------------|---------------------------|-----------------|--------------------------|---|---------------------------|
| | | | | Root Rot Reaction % Plant Loss ¹ | |
| Maple Ridge ³ | 2400 | yellow | 6760 | 15 | SeCan |
| Maple Amber ³ | 2450 | brown | 5710 | 9 | public variety |
| Baron ³ | 2450 | dark brown | 5650 | 17 | W.G. Thompson & Sons Ltd. |
| Maple Isle | 2500 | yellow | 5490 | 33 | Public Variety |
| Apache ³ | 2550 | gray | 4900 | 26 | W.G. Thompson & Sons Ltd. |
| McCall | 2550 | yellow | 6210 | 41 | public variety |
| Maple Arrow | 2550 | brown | 5500 | 22 | public variety |
| KG 30 | 2600 | dark brown | 6580 | 24 | King Grain Ltd. |
| Bicentennial | 2600 | brown | 4670 | 4 | SeCan |
| Evans | 2700 | yellow | 6290 | 31 | public variety |
| Ace ³ | 2800 | yellow | 4310 | 17 | W.G. Thompson & Sons Ltd. |
| 877 | 2800 | light gray | 5650 | 27 | Pioneer Hi-Bred Ltd. |
| Crusader | 2900 | yellow | 6100 | 28 | W.G. Thompson & Sons Ltd. |
| Hodgson | 2900 | buff | 5850 | 15 | public variety |
| J82 | 2900 | dark brown | 6800 | 40 | Jacques Seed Co. |
| KG 71 | 2900 | buff | 6710 | 18 | King Grain Ltd. |
| S1460 | 2950 | buff | 6540 | 11 | Northrup King Seeds Ltd. |
| 1282 | 2900 | buff | 5210 | 27 | Pioneer Hi-Bred Ltd. |
| AP10 | 2900 | yellow | 6290 | 29 | King Grain Ltd. |
| Prestige | 2900 | brown | 6040 | 45 | King Grain Ltd. |
| A1564 | 2900 | yellow | 5850 | 13 | Maple Leaf Mills |
| S1346 | 2950 | yellow | 5680 | 10 | Northrup King Seeds Ltd. |
| B152 | 2950 | yellow | 6330 | 2 | Northrup King Seeds Ltd. |
| A1937 | 2950 | buff | 6140 | 13 | Maple Leaf Mills |
| Hawk | 3000 | black | 5880 | 5 | W.G. Thompson & Sons Ltd. |
| 1677 | 3000 | yellow | 7300 | 27 | Pioneer Hi-Bred Ltd. |
| 1981 | 3000 | black brown | 5050 | 17 | Pioneer Hi-Bred Ltd. |
| Coles | 3050 | yellow | 5240 | 20 | public variety |
| DSR 171 | 3050 | black | 6210 | 21 | U.C.O. |
| B203 | 3050 | yellow | 6620 | 6 | Northrup King Seeds Ltd. |
| A2575 | 3100 | buff | 5950 | 19 | Maple Leaf Mills |
| B220 | 3100 | yellow | 6620 | 36 | King Grain Ltd. |
| Dawn | 3100 | yellow | 6710 | 24 | U.C.O. |
| Elgin | 3100 | black | 5850 | 10 | public variety |
| Jewel | 3100 | yellow | 6710 | 36 | W.G. Thompson & Sons Ltd. |
| Kentland | 3100 | buff | 6290 | 7 | Northrup King Seeds Ltd. |
| Merlin | 3100 | yellow | 6760 | 7 | W.G. Thompson & Sons Ltd. |
| Premier | 3100 | yellow | 5950 | 7 | King Grain Ltd. |
| Starlite | 3100 | yellow | 6060 | 22 | Maple Leaf Mills |
| S2596 | 3100 | brown | 5880 | 20 | Northrup King Seeds Ltd. |
| Corsoy 79 | 3150 | yellow | 6850 | 4 | public variety |
| Harcor | 3150 | yellow | 6670 | 29 | public variety |
| J103 | 3150 | yellow | 6410 | 22 | Jacques Seed Co. |
| A3127 | 3300 | black | 6760 | 6 | Maple Leaf Mills |

¹ Three-year average (1982-84) in a field heavily infested with *Phytophthora*. Not all races of *Phytophthora* root rot are found at this site. Thus the relative ranking of varieties for plant loss may differ in fields that have other races present.

² See Distributor Addresses in General Section.

³ Metribuzin should not be used on Maple Ridge, Maple Amber, Baron, Apache or Ace

Agronomic Data

| Testing Areas | Variety | Heat Unit Rating | Yield ¹ (t/ha) | Yield ² index % | Days from planting to maturity | Plant Height(cm) | Lodging 1=standing 5=flat |
|--|---------------|------------------|---------------------------|----------------------------|--------------------------------|------------------|---------------------------|
| 3 year average of 10 trials at Ottawa, Elora, Inkerman & Brussels | Maple | 2400 | 2.4 | 89 | 104 | 64 | 1.0 |
| | Baron | 2450 | 2.5 | 94 | 106 | 71 | 1.2 |
| | Maple | 2450 | 2.5 | 94 | 107 | 73 | 1.1 |
| | Maple Isle | 2500 | 2.6 | 98 | 109 | 65 | 1.4 |
| | McCall | 2550 | 2.7 | 101 | 113 | 74 | 1.0 |
| | Maple | 2550 | 2.7 | 101 | 114 | 80 | 1.3 |
| | KG 30 | 2600 | 2.8 | 106 | 115 | 79 | 1.3 |
| | Bicentennial | 2600 | 2.8 | 106 | 116 | 82 | 1.7 |
| | Evans | 2700 | 2.9 | 111 | 123 | 89 | 2.6 |
| | Average Yield | | 2.7 | | | | |
| 3-year average of 7 trials at Woodstock, Denfield, Centralia, and London | McCall | 2550 | 2.4 | 89 | 103 | 64 | 1.2 |
| | Maple | 2550 | 2.6 | 96 | 107 | 70 | 1.2 |
| | Apache | 2550 | 2.6 | 96 | 108 | 65 | 1.3 |
| | Bicentennial | 2600 | 2.8 | 104 | 108 | 70 | 1.6 |
| | Evans | 2700 | 2.7 | 100 | 113 | 78 | 2.1 |
| | 0877 | 2800 | 2.8 | 104 | 115 | 80 | 1.6 |
| | Ace | 2800 | 2.8 | 104 | 116 | 67 | 1.4 |
| | J82 | 2900 | 2.8 | 104 | 117 | 84 | 1.6 |
| | Hodgson | 2900 | 2.8 | 104 | 119 | 85 | 1.5 |
| | 1282 | 2900 | 2.9 | 107 | 120 | 88 | 1.7 |
| | A1564 | 2900 | 2.8 | 104 | 122 | 88 | 1.6 |
| | Average Yield | | 2.7 | | | | |
| 3-year average of 8 trials at Fingal (slit loam) Inwood (clay) Ridgetown (clay loam) and London (loam) | 1282 | 2850 | 3.1 | 93 | 121 | 88 | 2.2 |
| | Crusader | 2850 | 3.4 | 102 | 121 | 87 | 2.6 |
| | Prestige | 2900 | 3.2 | 96 | 122 | 91 | 2.8 |
| | Hodgson | 2900 | 3.3 | 99 | 122 | 87 | 1.9 |
| | AP10 | 2900 | 3.3 | 99 | 123 | 88 | 2.6 |
| | KG71 | 2900 | 3.3 | 99 | 123 | 79 | 1.4 |
| | A1564 | 2900 | 3.2 | 96 | 124 | 99 | 2.5 |
| | A1937 | 2950 | 3.3 | 99 | 126 | 89 | 2.2 |
| | B152 | 2950 | 3.6 | 108 | 126 | 79 | 1.8 |
| | S1346 | 2950 | 3.3 | 99 | 126 | 74 | 1.4 |
| | S1460 | 2950 | 3.3 | 99 | 126 | 81 | 1.7 |
| | 1981 | 3000 | 3.2 | 96 | 128 | 94 | 2.3 |
| | Hawk | 3000 | 3.5 | 105 | 129 | 82 | 3.0 |
| | 1677 | 3000 | 3.4 | 102 | 129 | 90 | 2.3 |
| | B203 | 3050 | 3.3 | 99 | 130 | 87 | 2.4 |
| | Coles | 3050 | 3.3 | 99 | 130 | 108 | 3.4 |
| | DSR 171 | 3050 | 3.3 | 99 | 131 | 98 | 2.6 |
| | A2575 | 3100 | 3.5 | 105 | 132 | 99 | 2.0 |
| | Kentland | 3100 | 3.4 | 102 | 132 | 92 | 2.7 |
| | Premier | 3100 | 3.3 | 99 | 132 | 91 | 2.5 |
| S2596 | 3100 | 3.5 | 105 | 132 | 85 | 1.8 | |
| Starlite | 3100 | 3.3 | 99 | 136 | 101 | 3.1 | |
| | Average Yield | | 3.3 | | | | |

(Continued on next page)

Agronomic Data (continued)

| Testing Areas | Variety | Heat Rating | Yield ¹ (t/ha) | Yield ² index % | Days from planting to maturity | Plant Height(cm) | Lodging 1=standing 5=flat |
|---|----------|-------------|---------------------------|----------------------------|--------------------------------|------------------|---------------------------|
| 3-year average of 10 trials at Chatham (loam), Tilbury (clay), Woodslee (clay), and Malden (loam) | Hodgson | 2900 | 3.0 | 100 | 110 | 77 | 1.4 |
| | AP10 | 2900 | 2.8 | 93 | 110 | 74 | 1.6 |
| | A1564 | 2900 | 2.9 | 97 | 110 | 82 | 1.6 |
| | B152 | 2950 | 3.0 | 100 | 110 | 65 | 1.0 |
| | S1346 | 2950 | 3.0 | 100 | 111 | 69 | 1.0 |
| | A1937 | 2950 | 3.1 | 103 | 112 | 81 | 1.4 |
| | 1677 | 3000 | 3.0 | 100 | 113 | 75 | 1.6 |
| | 1981 | 3000 | 3.0 | 100 | 113 | 80 | 1.5 |
| | Hawk | 3000 | 3.0 | 100 | 114 | 73 | 1.9 |
| | B203 | 3050 | 3.0 | 100 | 114 | 77 | 1.4 |
| | Coles | 3050 | 3.0 | 100 | 116 | 89 | 2.0 |
| | DSR171 | 3050 | 2.9 | 97 | 116 | 85 | 1.7 |
| | B220 | 3100 | 3.0 | 100 | 117 | 83 | 1.3 |
| | Dawn | 3100 | 3.0 | 100 | 117 | 88 | 2.1 |
| | A2575 | 3100 | 3.0 | 100 | 118 | 82 | 1.2 |
| | Premier | 3100 | 3.0 | 100 | 118 | 78 | 1.5 |
| | Starlite | 3100 | 3.0 | 100 | 119 | 86 | 1.9 |
| | S2596 | 3100 | 3.1 | 103 | 119 | 78 | 1.2 |
| | Elgin | 3100 | 3.2 | 107 | 119 | 75 | 1.5 |
| | Jewel | 3100 | 3.2 | 107 | 119 | 74 | 1.4 |
| Kentland | 3100 | 3.1 | 103 | 120 | 82 | 1.5 | |
| Merlin | 3100 | 3.1 | 103 | 120 | 87 | 1.7 | |
| Corsoy 79 | 3150 | 3.0 | 100 | 120 | 91 | 2.0 | |
| Harcor | 3150 | 3.0 | 100 | 120 | 92 | 2.2 | |
| J103 | 3150 | 3.1 | 103 | 122 | 82 | 1.4 | |
| A3127 | 3300 | 3.3 | 110 | 128 | 83 | 1.4 | |
| Average Yield | | | 3.0 | | | | |

1 t/ha = 1 tonne per hectare = 15 bu/ac

2 For each test area Yield Index is expressed as a percentage of the average yield of all recommended varieties grown in that test area.