

1984 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 Color	Seeds per kilogram	Phytophthora Root Reaction	
				% Plant Loss ¹	Distributor ²
Maple Presto	2200	light-brown	6390	12	SeCan
Maple Amber ³	2450	brown	5850	17	public variety
McCall	2550	yellow	6310	35	public variety
Maple Arrow	2550	brown	5770	24	public variety
Bicentennial	2600	brown	4570	9	SeCan
Evans	2700	yellow	6090	29	public variety
Ace ³	2800	yellow	4030	25	W.G. Thompson & Sons Ltd.
0877	2800	light-gray	5670	29	Pioneer Hi-Bred Ltd.
Crusader	2900	yellow	5780	28	W.G. Thompson & Sons Ltd.
Hodgson	2900	buff	5950	13	public variety
APIO	2900	yellow	5780	31	King Grain Ltd.
Prestige	2900	brown	6040	45	King Grain Ltd.
A1564	2900	yellow	5920	11	Maple Leaf Mills
S 1346	2950	yellow	5530	10	Northrup King Seeds Ltd.
BI52	2950	yellow	5850	5	Northrup King Seeds Ltd.
A1937	2950	buff	6230	11	Maple Leaf Mills
Hawk	3000	black	5710	7	W.G. Thompson & Sons Ltd.
1677	3000	yellow	6990	25	Pioneer Hi-Bred Ltd.
1981	3000	black-brown	5010	19	Pioneer Hi-Bred Ltd.
Eagle	3000	buff	6170	11	W.G. Thompson & Sons Ltd.
Coles	3050	yellow	5320	15	public variety
DSR 171	3050	black	6230	22	U.C.O.
B203	3050	yellow	6670	8	Northrup King Seeds Ltd.
A248I	3100	buff	6100	26	Maple Leaf Mills
A2575	3100	buff	6060	16	Maple Leaf Mills
Falcon	3100	yellow	6410	32	W.G. Thompson & Sons Ltd.
B220	3100	yellow	6330	30	King Grain Ltd.
Dawn	3100	yellow	6540	25	U.C.O.
Kentland	3100	buff	6520	6	Northrup King Seeds Ltd.
Premier	3100	yellow	6240	9	King Grain Ltd.
Starlite	3100	yellow	6270	20	Maple Leaf Mills
S2596	3100	brown	5470	18	Northrup King Seeds Ltd.
Amsoy 71	3150	yellow	5780	37	public variety
Corsoy 79	3150	yellow	6580	3	public variety
Harcor	3150	Yellow	6490	25	public variety

1 Three-year average (1981-83) in a field heavily infested with phytophthora (See Disease and Insect Control in Soybeans).

2 See Distributor Addresses in General Section.

3 Metribuzin should not be used on Maple Amber 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 9 trials at Ottawa, Flora Brussels and Kemptville	Maple Presto+	2250	2.1	76	100	67	1.2
	Maple Amber	2450	2.6	95	108	71	1.4
	McCall	2550	2.8	103	112	72	1.5
	Maple Arrow	2550	2.9	106	114	77	1.6
	Bicentennial	2600	3.0	110	116	79	2.2
	Evans	2700	3.0	110	125	88	2.4
	Average Yield		2.7				
3-year average of 9 trials at Woodstock, Denfield, and Centralia	Maple Arrow	2550	2.8	98	108	67	1.4
	Bicentennial	2600	2.9	100	109	69	1.7
	Evans	2700	2.7	93	114	76	1.5
	0877	2800	2.9	100	116	79	1.7
	Ace	2800	3.2	111	117	69	1.5
	Hodgson	2900	2.8	98	120	81	1.6
	Average Yield		2.9				
3-year average of 8 trials at Fingal (clay), Inwood (clay) and Ridgetown (loam)	Evans	2700	3.0	87	116	84	1.9
	Crusader	2850	3.4	99	119	87	2.2
	Prestige	2900	3.2	93	120	92	2.5
	Hodgson	2900	3.4	99	121	88	1.7
	AP 10	2900	3.4	99	121	87	2.4
	A 1564	2900	3.3	96	122	84	2.2
	S1346	2950	3.4	99	123	77	1.3
	B152	2950	3.6	105	123	78	1.5
	A1937	2950	3.5	102	124	89	2.0
	Hawk	3000	3.4	99	126	80	2.7
	1677	3000	3.5	102	127	88	2.2
	1981	3000	3.5	102	127	93	2.1
	Coles	3050	3.4	99	128	104	2.9
	DSR171	3050	3.5	102	128	96	2.4
	B203	3050	3.5	102	128	89	2.3
	Premier	3100	3.4	99	130	90	2.2
	A2575	3100	3.6	105	131	99	1.8
Kentland	3100	3.6	105	131	91	2.3	
S2596	3100	3.6	105	132	87	1.8	
Starlite	3100	3.6	105	133	99	2.7	
	Average Yield		3.4				

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Agronomic Data (Cont'd.)

Testing Areas	Cultivar	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 9 trials at Chatham (loam), Woodslee (clay), and Malden (loam)	Hodgson	2900	3.4	102	111	84	1.6
	Prestige	2900	3.2	97	111	90	2.2
	A1564	2900	3.3	100	112	91	2.1
	S1346	2950	3.4	102	112	76	1.1
	A 1937	2950	3.4	102	113	85	1.7
	1981	3000	3.3	100	114	86	2.2
	1677	3000	3.3	100	115	83	1.6
	Eagle	3000	3.2	97	117	81	1.7
	Coles	3050	3.3	100	117	96	2.6
	DSR171	3050	3.3	100	117	93	2.2
	A2481	3100	3.4	102	118	84	1.6
	A2575	3100	3.3	100	119	93	1.4
	Falcon	3100	3.2	97	118	89	1.3
	B220	3100	3.3	100	119	90	1.5
	Dawn	3100	3.3	100	119	96	2.6
	Kentland	3100	3.4	102	120	89	2.0
	Premier	3100	3.3	100	119	86	1.9
	Starlite	3100	3.3	100	120	94	2.5
	S2596	3100	3.4	102	120	83	1.4
	Amsoy 71	3150	3.3	100	121	101	2.4
Corsoy 79	3150	3.3	100	121	97	2.5	
Harcor	3150	3.3	100	121	100	2.8	
Average Yield			3.31				

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.

+ Maple Presto is a very early variety considered to be too early and too low yielding for general use in Ontario. However, this variety may be considered for late planting situations in short season areas.