

1983 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 Rot Reaction % Plant Loss ¹	Distributor ²
Maple Presto	2200	light-brown	6290	20	public variety
Maple Amber ³	2450	brown	5850	22	public variety
McCall	2550	yellow	6370	40	public variety
Maple Arrow	2550	brown	5920	21	public variety
Evans	2700	yellow	6020	25	public variety
Ace ³	2800	yellow	4120	36	W.G. Thompson & Sons Ltd.
0877	2800	light-gray	5880	28	Pioneer Hi-Bred Ltd.
Crusader	2900	yellow	5750	28	W.G. Thompson & Sons Ltd.
Hodgson	2900	buff	5850	18	public variety
AP10	2900	yellow	5620	34	King Grain Ltd.
Prestige	2900	brown	5920	40	King Grain Ltd.
A1564	2900	yellow	5780	11	Maple Leaf Mills
S1346	2950	yellow	5370	16	Northrup King Seeds Ltd.
A1937	2950	buff	6140	13	Maple Leaf Mills
Hawk	3000	black	5660	10	W.G. Thompson & Sons Ltd.
1981	3000	black-brown	4840	20	Pioneer Hi-Bred Ltd.
Eagle	3000	buff	5990	16	W.G. Thompson & Sons Ltd.
1677	3000	yellow	6820	28	Pioneer Hi-Bred Ltd.
A2575	3050	buff	6060	19	Maple Leaf Mills
Coles	3050	yellow	5230	14	public variety
DSR171	3050	black	6210	16	U.C.O.
Falcon	3100	yellow	6210	39	W.G. Thompson & Sons Ltd.
B220	3100	yellow	5990	28	King Grain Ltd.
Dawn	3100	yellow	6370	28	U.C.O.
Kentland	3100	buff	6210	10	Northrup King Seeds Ltd.
Premier	3100	yellow	6170	8	King Grain Ltd.
Starlite	3100	yellow	6210	17	Maple Leaf Mills
S2596	3100	brown	5460	20	Northrup King Seeds Ltd.
Amsoy 71	3150	yellow	5560	39	public variety
Corsoy 79	3150	yellow	6370	7	public variety
Harcor	3150	yellow	6210	20	public variety

¹ Three-year average (1980-82) in a field heavily infested with phytophthora (See Disease and Insect Control in Soybeans).

² See Distributor Addresses.

³ Metribuzin should not be used on Maple Amber or Ace.

Agronomic Data

Testing Areas	Variety	Heat Unit Rating	Yield (t/ha)	Yield ² Index %	Days from Planting to Maturity	Plant Height (cm)	Lodging 1= standing 5 = flat
3-year average of 7 trials at Ottawa, Elora, and Kemptville	+Maple Presto	2250	2.3	77	102	71	1.2
	Maple Amber	2450	3.1	103	113	82	2.0
	McCall	2550	3.1	103	118	84	2.3
	Maple Arrow	2550	3.3	110	120	87	2.3
	Evans	2700	3.3	110	131	101	3.1
Average Yield 3.00							
3-year average of 8 trials at Woodstock, Denfield, and Centralia	Maple Arrow	2550	2.8	98	110	72	1.7
	Evans	2700	2.7	97	119	79	2.0
	0877	2800	2.8	99	120	80	1.8
	Ace	2800	3.1 ³	109	120	69	2.0
	Hodgson	2900	2.8	98	125	83	1.7
Average Yield 2.81							
3-year average of 9 trials at Fingal, Inwood, and Ridgetown	Evans	2700	3.0	89	121	82	1.5
	Crusader	2900	3.4	101	124	90	1.9
	Hodgson	2900	3.4	101	125	90	1.6
	AP10	2900	3.5	104	126	87	2.1
	Prestige	2900	3.3	98	126	90	2.1
	A1564	2900	3.3	98	127	94	1.8
	S1346	2950	3.4	101	129	74	1.2
	Hawk	3000	3.4	101	131	79	2.6
	1677	3000	3.6	107	131	88	2.2
	1981	3000	3.5	104	131	92	1.8
	Coles	3050	3.3	98	132	104	2.7
Average Yield 3.36							
3-year average of 8 trials at Fletcher, Woodslee, and Malden	Hodgson	2900	3.6	105	116	87	1.7
	Prestige	2900	3.3	96	116	92	2.2
	A1564	2900	3.4	99	117	94	2.1
	S1346	2900	3.6	105	117	78	1.1
	A1937	2950	3.5	102	118	87	1.9
	Hawk'	2950	3.2	93	119	78	3.0
	1981	2950	3.5	102	119	88	1.8
	1677	3000	3.4	99	120	88	2.3
	Eagle	3000	3.3	96	121	83	1.5
	Coles	3050	3.4	99	122	99	2.8
	DSR171	3050	3.4	99	122	95	2.3
	A2575	3050	3.4	99	123	98	1.5
	Falcon	3050	3.3	96	123	93	1.5
	B220	3100	3.4	99	124	92	1.4
	Premier	3100	3.6	105	124	89	2.1
	S2596	3100	3.4	99	124	84	1.4
	Dawn	3100	3.5	102	125	99	2.8
	Kentland	3100	3.5	102	125	90	2.2
	Starlite	3100	3.5	102	125	97	2.6
	Amsoy 71	3150	3.4	99	126	101	2.6
Corsoy 79	3150	3.4	99	126	102	2.7	
Harcor	3150	3.5	102	126	101	3.0	
Average Yield 3.42							

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.

³ Estimated comparative yield based on 7 trials only.

+ 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.