

# 1982 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.

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### Soybean Variety Recommendations and Description

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Variety	Heat Units Required	Hilum Color	Seeds per kilogram	Phytophthora Root Rot		Distributor**
				Reaction	% Plant Loss*	
Maple Presto	2200	light-brown	6030	18		public variety
Maple Amber***	2450	brown	5560	21		public variety
McCall	2550	yellow	6030	28		public variety
Maple Arrow	2550	brown	5030	25		public variety
Evans	2700	yellow	6040	24		public variety
Gesto	2800	yellow	6880	23		Stewart Seeds
0877	2800	light-gray	5750	32		Pioneer Hi-Bred Ltd.
Hodgson	2900	buff	5810	18		public variety
A1564	2900	yellow	5650	11		Maple Leaf Mills
Prestige	2900	brown	5920	32		King Grain Ltd.
S1346	2900	yellow	5100	16		National N.K. Seeds Ltd.
Hawk	2950	black	5590	10		W.G. Thompson & Sons
1677	3000	yellow	6670	25		Pioneer Hi-Bred Ltd.
Wells	3000	black-brown	5900	41		public variety
Coles	3050	yellow	5170	14		public variety
Olinda	3050	buff	6140	16		Stewart Seeds
A2575	3050	buff	5780	18		Maple Leaf Mills
Falcon	3050	yellow	5780	41		W.G. Thompson & Sons
Corsoy 79 <sup>1</sup>	3100	yellow	6020	8		public variety
Dawn	3100	yellow	5990	26		U.C.O.
Kentland	3100	buff	5850	8		National N.K. Seeds Ltd.
S2596	3100	brown	5020	16		National N.K. Seeds Ltd.
Premier	3100	yellow	5650	7		King Grain Ltd.
Starlite	3100	yellow	5850	32		Maple Leaf Mills
Harcor	3150	yellow	6210	20		public variety
Amsoy 71	3200	yellow	5210	38		public variety

\* Three-year average (1979-81) in a field at Woodslee heavily infested with phytophthora (See soybean diseases page 39).

\*\* Distributor addresses are listed on page 58.

\*\*\* Metribuzin should not be used on Maple Amber.

<sup>1</sup>Seed supplies will be limited in 1982.

## Agronomic Data

Testing Areas	Variety	Heat Unit Rating	Yield* (t/ha)	Yield** 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	2.7	81	102	69	1.3
	Maple Amber	2450	3.3	99	113	78	1.9
	McCall	2550	3.5	104	117	78	2.0
	Maple Arrow	2560	3.6	107	120	82	2.1
	Evans	2700	3.7	110	129	93	2.4
	Average yield		3.37				
2-year average of 6 trials at Woodstock, Denfield, and Centralia	Maple Arrow	2550	2.8	101	110	77	1.5
	Evans	2700	2.8	101	118	85	1.8
	Gesto	2800	2.6	94	120	86	2.2
	0877	2800	2.9	105	121	85	1.7
	Hodgson	2900	2.7	98	126	90	1.7
	Average yield		2.76				
3-year average of 8 trials at Fingal, Oil City, Inwood, and Ridgetown	Evans	2700	3.0	92	120	84	1.5
	Gesto	2700	3.0	92	120	86	1.8
	Hodgson	2900	3.4	104	124	91	1.7
	A1564	2900	3.3	101	126	95	1.8
	Prestige	2900	3.2	98	126	93	1.9
	S1346	2900	3.4	104	127	77	1.1
	Hawk	2950	3.3	101	128	79	2.5
	1677	3000	3.6	110	129	89	2.0
	Wells	3000	3.2	98	129	92	1.3
Coles	3050	3.3	101	131	106	2.5	
	Average yield		3.27				
3-year average of 8 trials at Fletcher, Woodslee, and Malden	Hodgson	2900	3.6	102	120	89	1.9
	1677	3000	3.5	100	123	88	2.3
	Wells	3000	3.3	94	124	95	1.5
	Coles	3050	3.4	98	125	100	2.8
	Olinda	3050	3.4	96	125	95	2.6
	A2575	3050	3.5	99	126	98	1.7
	Falcon	3050	3.3	94	126	94	1.7
	Corsoy 79	3100	3.6	103	127	100	2.6
	Dawn	3100	3.6	104	127	99	2.8
	Kentland	3100	3.6	103	127	91	2.4
	S2596	3100	3.6	102	127	84	1.6
	Premier	3100	3.6	103	127	92	2.3
	Starlite	3100	3.6	103	127	97	2.6
	Harcor	3150	3.6	102	128	101	3.0
	Amsoy 71	3200	3.4	98	129	104	2.6
	Average yield		3.50				

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

\*\* 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.