

1981 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*	Distributor**
Maple Presto	2200	light-brown	5780	18	public variety
Maple Arrow	2550	brown	5290	19	public variety
McCall	2550	yellow	5920	23	public variety
Evans	2700	yellow	6140	27	public variety
Gesto	2800	yellow	5890	31	Stewart Seeds
A1564	2900	yellow	5590	11	Maple Leaf Mills
Hodgson	2900	buff	5880	23	public variety
Prestige	2900	brown	5430	28	King Grain Ltd.
51346	2900	yellow	5290	15	National N.K. Seeds
Hawk	2950	black	5710	11	W.G. Thompson & Sons
Starbuck	2950	buff	5850	14	Maple Leaf Mills
A2575	3000	buff	5850	14	Maple Leaf Mills
Olinda	3000	buff	6450	15	Stewart Seeds
Coles	3050	yellow	5080	13	public variety
Wells	3100	black-brown	5730	34	public variety
A2656	3150	black-brown	5680	16	Maple Leaf Mills
Falcon	3150	yellow	5750	37	W.G. Thompson & Sons
Kentland	3150	buff	5990	10	National N.K. Seeds
Premier	3150	yellow	5650	6	King Grain Ltd.
Starlite	3150	yellow	5880	28	Maple Leaf Mills
Amsoy 71	3200	yellow	5380	48	public variety
Dawn	3200	yellow	5950	24	U.C.O.
Harcor	3200	yellow	6150	17	public variety

*Three-year average (1978-80) in a field at Woodslee heavily infested with *Phytophthora* (see soybean diseases page 37).

** Distributor addresses are listed on page 56.

Agronomic Data

Testing Areas	Variety	Heat 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	2200	2.5	81	102	62	1.2
	Maple Arrow	2550	3.2	104	119	77	1.9
	McCall	2550	3.1	102	117	71	1.9
	Evans	2700	3.4	112	128	88	2.3
Average yield 3.05							
2-year average of 6 trials at Woodstock, Denfield and Centralia	Maple Arrow	2550	2.8	101	111	85	1.4
	Evans	2700	2.9	105	119	90	1.8
	Gesto	2800	2.7	97	122	92	2.1
	Hodgson	2900	2.7	97	128	95	1.8
Average yield 2.78							
3-year average of 8 trials at Fingal, Oil City, and Ridgetown	Evans	2700	2.7	91	121	77	1.2
	Gesto	2900	2.7	91	121	77	1.4
	A1564	2900	3.0	101	127	88	1.6
	Hodgson	2900	3.2	108	126	84	1.6
	Prestige	2900	3.0	101	127	86	1.6
	S1346	2900	3.2	108	127	70	1.0
	Hawk	2950	3.0	101	128	76	2.2
	Starbuck	2950	2.9	98	128	86	1.6
Coles	3050	3.0	101	130	99	2.4	
Wells	3050	3.0	101	131	87	1.2	
Average yield 2.97							
3-year average of 8 trials at Ridgetown, Woodslee and Malden	Hodgson	2900	3.6	105	121	88	1.7
	Starbuck	2950	3.4	99	122	94	2.1
	Olinda	3000	3.4	99	124	94	2.2
	A2575	3050	3.4	99	125	97	1.4
	Coles	3050	3.4	99	125	102	2.4
	Wells	3100	3.3	96	126	96	1.5
	A2656	3150	3.5	102	127	102	2.4
	Falcon	3150	3.3	96	127	96	1.6
	Kentland	3150	3.5	102	127	90	2.0
	Premier	3150	3.5	102	127	91	2.0
	Starlite	3150	3.5	102	127	96	2.3
	Amsoy 71	3200	3.2	93	128	105	2.1
	Dawn	3200	3.6	105	128	98	2.5
Harcor	3200	3.5	102	128	100	2.6	
Average yield							

* t/ha = 1 tonne per hectare = 15 bu / acre.

** 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.