

# 1978 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 Descriptions**

Variety	Heat Units Required	Hilum Color	Seeds Per Kilogram	Phytophthora Root Rot Reaction*	Source
<sup>1</sup> Maple Arrow	2600	brown	5280	T	Public Variety
<sup>2</sup> Vansoy	2600	yellow	6050	T	Public Variety
Beechwood	2600	black	4950	MT	Stewart Seeds Ailsa Craig
Evans	2700	yellow	5830	T	Public Variety
Harlon**	2800	yellow	5940	MS	Public Variety
Nairn**	2900	yellow	5940	MS	Stewart Seeds Ailsa Craig
Hodgson	2900	buff	6160	T	Public Variety
Steele**	2900	yellow	5940	S	Public Variety
Wells	3050	black-brown	6160	MT	Public Variety
Harosoy 63**	3100	yellow	5720	MS	Public Variety
Viking	3100	buff & yellow	6160	T	W. G. Thompson & Sons Ltd. Blenheim, Ontario
Harwood**	3150	yellow	5060	MS	Public Variety
Harcor	3150	yellow	6600	T	Public Variety
Dawn	3150	yellow	6160	T	United Co-operatives of Ontario, 296 Richmond St., Chatham, Ontario
Amsoy 71	3200	yellow	5940	MT	Public Variety
XK505**	3200	black	5720	MT	St. Clair Grain & Feed Box 490, Chatham, Ont.

\*Field Reaction T (Tolerant); MT (Moderately Tolerant); MS (Moderately Susceptible); S (Susceptible). 3-year average in a field at Woodslee heavily infested with Race 6. See section on soybean diseases.

\*\*May be removed from the recommended list in the future because of poor tolerance to Phytophthora root rot.

<sup>1</sup>Seed supplies limited in 1978.

<sup>2</sup>May be removed from the recommended list in the future because of low yield.

## Agronomic Data

Testing Areas	Variety	Heat Unit Rating	Yield Tonnes per Hectare*	Days from Planting to Maturity	Plant Height cm	Lodging 1 = standing 5 = flat
3-year average of 9 trials at Ottawa, Kemptville & Elora	Maple Arrow	2550	3.0	114	78	1.4
	Vansoy	2600	2.4	120	85	2.0
	Beechwood	2600	2.6	124	91	2.6
	Evans	2700	3.2	130	91	2.5
3-year average of 7 trials at London, Oil City & Ridgetown	Evans	2700	3.2	119	86	2.0
	Harlon	2800	3.1	124	92	2.0
	Nairn	2900	3.3	123	93	2.0
	Hodgson	2900	3.5	126	91	2.0
	Steele	2900	3.1	126	94	2.5
	Wells	3050	3.2	130	98	1.5
	Harosoy 63	3100	3.3	131	110	3.0
3-year average of 7 trials at Ridgetown, Woodslee & Harrow	Hodgson	2900	3.7	121	88	2.0
	Steele	2900	3.4	120	91	2.0
	Wells	3050	3.4	123	93	1.5
	Harosoy 63	3100	3.4	125	102	2.5
	Viking	3100	3.5	126	99	2.5
	Harwood	3150	3.4	127	98	2.5
	Harcor	3150	3.8	127	100	2.5
	Dawn	3150	3.7	128	97	2.5
	Amsoy 71	3200	3.6	128	102	3.0
	XK 505	3200	3.4	129	101	2.5

\*1 tonne/ha = 893 lb/acre

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