



## This publication features the results from MPGA sponsored trials.

Contents of this publication can only be reproduced with the permission of MPGA.

The evaluation of pulse and soybean varieties across five different crop types (soybeans, edible beans, peas, faba beans and lentils) found within this publication are made possible with your continued support through your MPGA check-off levy.

### TRIAL LOCATION AND DESIGN

The evaluation of dry beans was conducted at four locations (Morden, Winkler, Carman, and Portage la Prairie), under wide row (60 cm) conditions. At each location, the cultivars were repeated three times. There were 39 entries in the evaluation, separated into small- (navy, black), medium- (pinto, pink, yellow) and large-seeded (cranberry and light red kidney).

### IS ONE VARIETY BETTER THAN ANOTHER?

Look at the LSD (Least Significant Difference) and CV (Coefficient of Variation) that are printed within each trial. For all wide row edible bean trials, the LSD represents the amount of beans (in lbs/ac) that two varieties must differ before you can say with a 95% chance of certainty that a difference exists for those varieties in the same trial. Coefficient of Variation is a measurement describing the amount of variation caused by factors unrelated to cultivars, such as non-uniform

field spots, loss of plants, various water and fertilizer conditions, human errors, etc. Lower CVs (less than 15%) indicate a more uniform trial that will demonstrate the true differences between varieties. For example, an edible bean trial has an overall mean yield of 2944 lbs/ac, a CV of 6%, and LSD of 300 lbs/ac. The low CV indicates the trial has very little experimental errors and the LSD indicates varieties that vary in yield by more than 300 lbs/ac are truly different.

In each table, **check varieties are bolded** for easier comparison with other varieties. The best way to determine the suitability of

a variety in your area is to compare it to the check, in as many different locations and years as possible. Some new cultivars or advanced breeding lines are included in the 2014 evaluation, but most entries have been tested in multiple years.

*We acknowledge the hard work of all the people who plant, maintain, take notes, harvest the plots, and are responsible for the data contained within this publication. We appreciate the hard work of the staff at Agriculture and Agri-Food Canada, Morden Research Station the WADO, PCDF, PESAI and CMDC research facilities and the private research companies, without whom this publication would not have been possible.*

### EDIBLE BEAN TRIALS – SEEDING AND HARVEST DATES

	Seeding Date	Harvest Date
Wide Row Edible Bean – Morden	May 27	September 16
Wide Row Edible Bean – Carman	May 27	October 6
Wide Row Edible Bean – Portage	May 29	September 26
Wide Row Edible Bean – Winkler	May 28	September 16
Narrow Row Edible Bean – Boissevain	May 21	October 18
Narrow Row Edible Bean – Morden	June 3	September 16
Narrow Row Edible Bean – Roblin	May 27	September 26
Narrow Row Edible Bean – Arborg	May 27	October 15

### SOYBEAN TRIALS – SEEDING AND HARVEST DATES LISTED WITHIN TABLES

Natto soybean data is available on MPGA website – [www.manitobapulse.ca](http://www.manitobapulse.ca)

## KEY – APPLICABLE TO ALL EDIBLE BEAN CHARTS

Agronomic Traits		Disease Traits
<b>Yield</b>	lbs/acre	<b>Field Rating:</b>
<b>Maturity</b>	Number of days to when 90% of plants ready to combine	<b>Bacterial Blight Severity (0–5)</b>
<b>Plant Type (1–3)</b>	1 = Determinate bush 2 = Indeterminate bush, erect stem and branches 2a: Without guides 2b: With guides and ability to climb 3 = Indeterminate bush with weak and prostrate stem and branches 3a: Short guides with no ability to climb 3b: Long guides with ability to climb	0 = No observable lesions or other signs of infection 1 = < 5% of plant area (leaf and stem-hypocotyls) diseased 2 = 5–10% of plant area diseased 3 = 10–25% of plant area diseased 4 = 25–50% of plant area diseased 5 = 50–100% of plant area diseased or death of seedling
<b>Plant Height</b>	Plant height in cm, rated at flowering	<b>Bacterial Blight Incidence</b> – % leaf tissue infected
<b>Lodging (1–5)</b>	Rated at maturity 1 = upright      5 = flat on the ground	<b>Anthraxnose Incidence</b> – % plant tissue infected
<b>Pod Ht (&gt; 5 cm)</b>	% of pods above 5 cm from the ground	<b>Rust Incidence</b> – % plant tissue infected
<b>Seed Weight</b>	Grams per 1000 seeds	<b>White Mould Incidence</b> – % plant tissue infected
<b>Seed Quality (1–5)</b>	Based on size, shape, colour and wrinkle-free seed coat 1 = very good      5 = very poor	

## KEY – APPLICABLE TO ALL CHARTS

<b>CV</b>	Coefficient of Variation. The statistical measure of random variation in a trial. CV less than 15% generally indicates more uniform trial and conclusive data.
<b>LSD</b>	Least Significant Difference. The amount that two varieties must differ before it can be said with a 95% chance of certainty that a true difference exists.

# WIDE ROW DRY BEAN SCREENING TRIAL – SMALL SEED

## Carman

MARKET CLASS/Variety	Yield (lbs/ac)	Days to Maturity	CBB Sever 0–5	CBB Incid %	Anthr Incid %	Rust %	WM Incid %	Days to Flower	HT cm	PD HT % >5cm	TKW g	Qual 1–5
<b>NAVY</b>												
<b>Envoy</b>	<b>1947</b>	<b>103</b>	<b>1</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54</b>	<b>44</b>	<b>90</b>	<b>212</b>	<b>2</b>
Avalanche	2780	104	1	16	0	0	0	55	41	80	213	2
Bolt	2576	100	2	16	0	0	0	53	36	77	237	2
Cargo	1778	102	2	14	0	0	0	55	36	70	208	2
H60-111	2483	101	1	13	0	0	0	53	39	90	210	2
H60-224	2834	97	2	19	0	0	0	52	35	70	197	2
Indi	2669	106	1	11	0	0	0	55	37	80	202	2
ISB 1815-2	2281	104	2	11	0	0	0	55	51	83	204	2
ISB 1816	2402	103	2	11	0	0	0	54	40	90	216	3
Lightning	2153	103	2	19	0	0	0	54	43	73	172	2
NA6-27-2	2174	105	1	13	0	0	0	54	39	80	214	3
NAV 1200	2526	106	2	13	0	0	0	52	40	87	243	2
Portage	1980	103	1	16	0	0	0	55	40	80	185	3
Spark	1663	105	2	8	0	0	0	54	41	87	222	2
T9903	2247	103	1	6	0	0	0	53	36	77	197	3
T9905	2293	99	2	15	0	0	0	54	36	83	180	3
Mean	2299	103	2	13	0	0	0	54	40	81	207	2
<b>BLACK</b>												
<b>Eclipse</b>	<b>2645</b>	<b>103</b>	<b>2</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>33</b>	<b>70</b>	<b>205</b>	<b>3</b>
ACUG 10-B3	3045	102	1	11	0	0	0	53	35	77	202	2
BKB 1312	2376	101	2	13	0	0	0	53	33	80	212	3
Blackjack	2258	104	2	14	0	0	0	53	36	87	218	3
Carman	2665	102	1	3	0	0	0	54	40	80	265	3
CDC Jet	2058	105	1	14	0	0	0	54	35	80	195	2
CDC SuperJet	2102	100	3	29	0	0	0	52	39	80	199	2
cob 2159-00	2818	103	1	7	0	0	0	54	40	77	211	3
GTS 1103	2513	103	1	11	0	0	0	55	42	83	177	3
ISB TR3	2034	97	2	19	0	0	0	53	41	90	213	3
Mean	2452	102	2	13	0	0	0	53	37	80	209	3
<b>Overall Trial Mean</b>	<b>2358</b>	<b>102</b>	<b>2</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54</b>	<b>39</b>	<b>81</b>	<b>208</b>	<b>2</b>
CV%	13											
LSD (lbs/ac)	501											

## Morden

MARKET CLASS/Variety	Days to Maturity	CBB Sever 0–5	CBB Incid %	Anthr Incid %	Rust %	WM Incid %	Days to Flower	HT cm	LDG 1–5	PD HT % >5cm	TKW g	Qual 1–5
<b>NAVY</b>												
<b>Envoy</b>	<b>89</b>	<b>3</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44</b>	<b>40</b>	<b>1</b>	<b>57</b>	<b>178</b>	<b>2</b>
Avalanche	92	3	17	0	0	0	47	58	2	53	207	3
Bolt	91	3	18	0	0	0	47	72	1	50	219	2
Cargo	88	3	17	0	0	0	45	40	1	47	165	2
H60-111	93	3	9	0	0	0	48	55	1	43	180	3
H60-224	94	3	7	0	0	0	49	72	1	57	204	3
Indi	94	3	13	0	0	0	48	58	1	57	168	3
ISB 1815-2	93	3	20	0	0	0	47	52	1	50	154	3
ISB 1816	93	3	17	0	0	0	47	55	1	53	157	3
Lightning	91	3	23	0	0	0	46	52	1	43	191	3
NA6-27-2	92	3	15	0	0	0	44	52	1	50	189	2
NAV 1200	90	3	10	0	0	0	47	57	1	53	203	3
Portage	89	3	2	0	0	0	44	37	1	33	190	2
Spark	87	3	25	0	0	0	45	38	1	53	168	3
T9903	91	3	10	0	0	0	47	53	1	50	204	3
T9905	93	3	12	0	0	0	50	65	1	53	205	2
Mean	91	3	14	0	0	0	47	53	1	50	186	3
<b>BLACK</b>												
<b>Eclipse</b>	<b>96</b>	<b>3</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>58</b>	<b>1</b>	<b>57</b>	<b>198</b>	<b>2</b>
ACUG 10-B3	96	3	17	0	0	0	47	62	1	63	176	2
BKB 1312	94	3	13	0	0	0	49	50	1	53	203	3
Blackjack	95	3	25	0	0	0	50	62	2	47	196	3
Carman	88	3	23	0	0	0	48	50	1	33	193	3
CDC Jet	93	3	12	0	0	0	50	53	1	53	192	2
CDC SuperJet	88	3	10	0	0	0	49	47	1	43	188	2
cob 2159-00	96	3	15	0	0	0	49	70	2	47	247	2
GTS 1103	95	3	11	0	0	0	50	62	1	53	208	3
ISB TR3	96	3	27	0	0	0	49	55	2	50	192	3
Mean	94	3	16	0	0	0	49	57	1	50	199	2
<b>Overall Trial Mean</b>	<b>92</b>	<b>3</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>55</b>	<b>1</b>	<b>50</b>	<b>191</b>	<b>3</b>
CV%	greater than 15%											

## SMALL SEED continued

## Portage

MARKET CLASS/Variety	Yield (lbs/ac)	Days to Maturity	CBB Sever 0-5	CBB Incid %	Anthr Incid %	Rust %	WM Incid %	Days to Flower	HT cm	PD HT % >5cm	TKW g	Qual 1-5
<b>NAVY</b>												
<b>Envoy</b>	<b>1962</b>	<b>97</b>	<b>2</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>43</b>	<b>77</b>	<b>183</b>	<b>3</b>
Avalanche	2121	100	2	10	0	0	0	54	52	80	179	2
Bolt	2280	100	3	10	0	0	0	52	54	83	232	3
Cargo	1714	95	1	17	0	0	0	52	40	77	188	2
H60-111	2390	103	1	8	0	0	0	50	53	77	194	2
H60-224	1943	102	1	7	0	0	0	54	54	80	196	3
Indi	2233	102	2	20	0	0	0	55	56	83	171	3
ISB 1815-2	2172	105	1	8	0	0	0	54	56	83	167	2
ISB 1816	2191	99	1	12	0	0	0	52	52	63	195	2
Lightning	2099	99	2	23	0	0	0	53	51	70	205	3
NA6-27-2	2260	99	2	13	0	0	0	51	54	73	190	3
NAV 1200	2418	104	2	10	0	0	0	53	52	87	215	3
Portage	2068	98	1	5	0	0	0	50	51	70	191	2
Spark	1819	96	2	20	0	0	0	53	44	77	174	3
T9903	2323	102	2	12	0	0	0	53	50	83	212	2
T9905	2416	106	1	7	0	0	0	55	55	80	208	2
Mean	2151	100	2	13	0	0	0	53	51	78	194	3
<b>BLACK</b>												
<b>Eclipse</b>	<b>2813</b>	<b>100</b>	<b>1</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>55</b>	<b>54</b>	<b>77</b>	<b>192</b>	<b>2</b>
ACUG 10-B3	2745	102	1	7	0	0	0	53	52	80	192	2
BKB 1312	2532	101	2	13	0	0	0	53	51	87	207	3
Blackjack	2305	102	1	13	0	0	0	53	49	80	206	3
Carman	2281	102	1	10	0	0	0	56	43	83	203	2
CDC Jet	2099	104	1	7	0	0	0	53	51	80	205	2
CDC SuperJet	2032	98	1	7	0	0	0	54	52	73	205	2
cob 2159-00	2064	102	1	5	0	0	0	55	45	73	246	2
GTS 1103	2391	103	0	3	0	0	0	55	57	80	191	2
ISB TR3	1702	104	2	22	0	0	0	55	50	73	195	2
Mean	2296	102	1	10	0	0	0	54	50	79	204	2
<b>Overall Trial Mean</b>	<b>2207</b>	<b>101</b>	<b>1</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>51</b>	<b>78</b>	<b>198</b>	<b>2</b>
CV%	10											
LSD (lbs/ac)	362											

## Winkler

MARKET CLASS/Variety	Yield (lbs/ac)	Days to Maturity	CBB Sever 0-5	CBB Incid %	Anthr Incid %	Rust %	WM Incid %	Days to Flower	HT cm	PD HT % >5cm	TKW g	Qual 1-5
<b>NAVY</b>												
<b>Envoy</b>	<b>2972</b>	<b>96</b>	<b>3</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>43</b>	<b>77</b>	<b>192</b>	<b>3</b>
Avalanche	2307	96	3	17	0	0	0	39	58	77	205	3
Bolt	2734	94	3	20	0	0	0	53	68	90	217	2
Cargo	2672	93	2	30	0	0	0	50	46	73	184	2
H60-111	2510	107	1	3	0	0	0	49	63	73	195	2
H60-224	2578	106	1	5	0	0	0	54	61	80	198	3
Indi	2916	102	2	20	0	0	0	55	69	87	179	3
ISB 1815-2	2659	99	2	20	0	0	0	54	64	87	174	2
ISB 1816	2123	93	3	43	0	0	0	54	66	83	161	3
Lightning	2878	100	2	10	0	0	0	54	59	80	216	2
NA6-27-2	2698	97	2	17	0	0	0	50	54	90	193	3
NAV 1200	2458	100	2	22	0	0	0	54	60	87	219	2
Portage	2737	96	2	23	0	0	0	52	59	90	197	3
Spark	1994	92	2	30	0	0	0	51	54	67	160	2
T9903	2491	97	2	30	0	0	0	53	59	83	210	3
T9905	2613	100	2	20	0	0	0	56	71	90	202	3
Mean	2584	98	2	21	0	0	0	52	60	82	194	3
<b>BLACK</b>												
<b>Eclipse</b>	<b>2589</b>	<b>94</b>	<b>1</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>56</b>	<b>62</b>	<b>83</b>	<b>189</b>	<b>3</b>
ACUG 10-B3	2148	96	2	20	0	0	0	53	63	90	171	4
BKB 1312	2668	92	2	33	0	0	0	54	67	77	191	3
Blackjack	2573	102	2	17	0	0	0	53	56	70	197	3
Carman	2767	102	2	27	0	0	0	54	58	90	199	3
CDC Jet	2359	102	1	12	0	0	0	54	54	80	191	3
CDC SuperJet	2804	99	1	17	0	0	0	53	57	83	197	3
cob 2159-00	2235	105	1	5	0	0	0	55	54	70	232	3
GTS 1103	2618	104	1	10	0	0	0	56	61	73	202	2
ISB TR3	2163	94	3	27	0	0	0	53	53	80	185	3
Mean	2492	99	2	18	0	0	0	54	59	80	195	3
<b>Overall Trial Mean</b>	<b>2549</b>	<b>98</b>	<b>2</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>59</b>	<b>81</b>	<b>194</b>	<b>3</b>
CV%	8											
LSD (lbs/ac)	341											

# WIDE ROW DRY BEAN SCREENING TRIAL – MEDIUM SEED

## Carman

MARKET CLASS/Variety	Yield (lbs/ac)	Days to Maturity	CBB Sever 0–5	CBB Incid %	Anthr Incid %	Rust %	WM Incid %	Days to Flower	HT cm	PD HT % >5cm	TKW g	Qual 1–5
<b>PINTO</b>												
<b>Windbreaker</b>	<b>2055</b>	<b>94</b>	<b>2</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>50</b>	<b>70</b>	<b>392</b>	<b>3</b>
CDC WM-2	1977	105	1	8	0	0	0	54	47	77	427	3
ISB P1	1544	105	2	11	0	0	0	54	38	70	366	3
ISB P2	1469	105	1	6	0	0	0	50	30	81	322	3
ISB P3	1719	93	2	19	0	0	0	53	50	87	386	3
Mariah	2219	99	3	19	0	0	0	53	36	81	382	2
Medicine Hat	2319	100	2	10	0	0	0	55	32	57	419	3
Monterrey	2522	99	3	13	0	0	0	53	46	90	414	3
ND-307	1999	99	2	8	0	0	0	54	64	70	384	4
PIN 1012	2375	98	2	11	0	0	0	52	47	81	357	3
PIN 1314	2136	99	2	15	0	0	0	54	37	57	378	3
Stampede	2800	98	1	6	0	0	0	53	36	60	389	3
Mean	2095	100	2	12	0	0	0	53	43	73	384	3
<b>GREAT NORTHERN</b>												
<b>Beryl R</b>	<b>1909</b>	<b>102</b>	<b>1</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54</b>	<b>47</b>	<b>90</b>	<b>419</b>	<b>3</b>
99118	2072	102	2	11	0	0	0	52	46	77	444	3
Aries	2208	102	2	19	0	0	0	54	44	74	421	3
Coyne	2678	100	3	16	0	0	0	51	42	90	361	3
Mean	2217	102	2	15	0	0	0	53	45	83	411	3
<b>PINK</b>												
Rosetta	2187	100	2	10	0	0	0	52	41	84	394	3
<b>YELLOW</b>												
CDC Sol	1777	99	2	16	0	0	0	52	48	77	346	3
<b>Overall Trial Mean</b>	<b>2109</b>	<b>100</b>	<b>2</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>43</b>	<b>76</b>	<b>389</b>	<b>3</b>
CV%	11											
LSD (lbs/ac)	387											

## Morden

MARKET CLASS/Variety	Yield (lbs/ac)	Days to Maturity	CBB Sever 0–5	CBB Incid %	Anthr Incid %	Rust %	WM Incid %	Days to Flower	HT cm	LDG 1–5	PD HT % >5cm	TKW g	Qual 1–5
<b>PINTO</b>													
<b>Windbreaker</b>	<b>1429</b>	<b>88</b>	<b>3</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>67</b>	<b>2</b>	<b>43</b>	<b>369</b>	<b>2</b>
CDC WM-2	1045	87	3	4	0	0	0	43	60	2	27	343	2
ISB P1	1415	88	3	13	0	0	0	47	78	1	50	324	2
ISB P2	1105	87	3	8	0	0	0	48	65	1	30	329	2
ISB P3	1212	85	3	7	0	0	0	47	77	1	30	320	2
Mariah	1341	88	3	4	0	0	0	49	53	1	43	315	2
Medicine Hat	1289	84	3	15	0	0	0	48	53	1	27	323	2
Monterrey	1987	89	3	12	0	0	0	49	75	1	60	334	2
ND-307	1278	90	3	9	0	0	0	49	60	2	40	346	2
PIN 1012	1172	87	3	3	0	0	0	48	62	1	37	316	1
PIN 1314	1035	87	3	8	0	0	0	47	50	1	37	328	2
Stampede	1555	93	3	5	0	0	0	49	62	2	53	336	2
Mean	1322	88	3	8	0	0	0	48	63	1	40	332	2
<b>GREAT NORTHERN</b>													
<b>Beryl R</b>	<b>1233</b>	<b>86</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>46</b>	<b>52</b>	<b>2</b>	<b>40</b>	<b>259</b>	<b>2</b>
99118	1439	88	3	10	0	0	0	48	52	1	37	297	2
Aries	1586	92	3	22	0	0	0	48	62	1	57	331	2
Coyne	1252	88	3	7	0	0	0	48	43	1	40	300	1
Mean	1377	89	3	11	0	0	0	47	52	2	43	297	2
<b>PINK</b>													
Rosetta	1407	96	3	15	0	0	0	50	60	1	50	306	3
<b>YELLOW</b>													
CDC Sol	926	85	3	20	0	0	0	42	40	2	43	372	2
<b>Overall Trial Mean</b>	<b>1317</b>	<b>88</b>	<b>3</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>47</b>	<b>59</b>	<b>1</b>	<b>41</b>	<b>325</b>	<b>2</b>
CV%	15												
LSD (lbs/ac)	323												

## Portage

MARKET CLASS/Variety	Yield (lbs/ac)	Days to Maturity	CBB Sever 0-5	CBB Incid %	Anthr Incid %	Rust %	WM Incid %	Days to Flower	HT cm	PD HT % >5cm	TKW g	Qual 1-5
<b>PINTO</b>												
<b>Windbreaker</b>	<b>2426</b>	<b>97</b>	<b>1</b>	<b>8</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>53</b>	<b>41</b>	<b>30</b>	<b>398</b>	<b>3</b>
CDC WM-2	1801	92	2	23	0	10	0	49	39	70	405	3
ISB P1	1690	100	2	13	0	23	0	52	42	47	366	4
ISB P2	1733	96	2	18	0	10	0	51	45	33	369	3
ISB P3	1743	97	3	23	0	27	0	52	44	53	367	3
Mariah	2091	93	1	5	0	0	0	54	44	63	319	2
Medicine Hat	2212	91	2	23	0	2	0	51	44	50	408	2
Monterrey	2345	97	1	10	0	3	0	53	52	77	334	3
ND-307	2131	102	2	17	0	10	0	52	44	53	418	3
PIN 1012	2121	96	0	3	0	5	0	54	45	67	341	2
PIN 1314	2009	91	1	13	0	3	0	52	42	57	365	3
Stampede	2127	98	1	5	0	3	0	53	52	70	353	3
Mean	2036	96	2	14	0	8	0	52	45	56	370	3
<b>GREAT NORTHERN</b>												
<b>Beryl R</b>	<b>1810</b>	<b>98</b>	<b>1</b>	<b>17</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>51</b>	<b>43</b>	<b>60</b>	<b>285</b>	<b>3</b>
99118	1846	99	2	20	0	0	0	52	39	60	345	2
Aries	2654	99	3	17	0	5	0	51	51	70	352	2
Coyne	1788	95	2	17	0	7	0	52	42	40	345	2
Mean	2024	98	2	18	0	4	0	52	44	58	332	2
<b>PINK</b>												
Rosetta	2538	102	1	10	0	0	0	48	45	63	337	3
<b>YELLOW</b>												
CDC Sol	793	103	2	13	0	12	0	46	38	50	453	3
<b>Overall Trial Mean</b>	<b>1992</b>	<b>97</b>	<b>2</b>	<b>14</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>52</b>	<b>44</b>	<b>56</b>	<b>364</b>	<b>3</b>
CV%	13											
LSD (lbs/ac)	444											

## Winkler

MARKET CLASS/Variety	Yield (lbs/ac)	Days to Maturity	CBB Sever 0-5	CBB Incid %	Anthr Incid %	Rust %	WM Incid %	Days to Flower	HT cm	PD HT % >5cm	TKW g	Qual 1-5
<b>PINTO</b>												
<b>Windbreaker</b>	<b>2441</b>	<b>92</b>	<b>2</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54</b>	<b>51</b>	<b>80</b>	<b>351</b>	<b>4</b>
CDC WM-2	2428	95	2	20	0	0	0	51	53	70	370	3
ISB P1	2109	96	2	30	0	0	0	54	71	83	359	3
ISB P2	2267	97	2	20	0	0	0	51	57	77	367	3
ISB P3	2099	95	1	23	0	0	0	53	77	77	366	4
Mariah	1846	92	2	23	0	0	0	55	64	87	341	4
Medicine Hat	3003	95	2	17	0	0	0	53	59	77	364	3
Monterrey	2245	97	2	20	0	0	0	51	69	90	319	3
ND-307	2276	99	2	13	0	0	0	53	64	87	388	4
PIN 1012	2673	94	2	20	0	0	0	54	55	73	362	3
PIN 1314	2650	93	1	12	0	0	0	53	64	83	389	4
Stampede	1956	95	1	10	0	0	0	54	60	77	323	4
Mean	2333	95	2	18	0	0	0	53	62	80	358	4
<b>GREAT NORTHERN</b>												
<b>Beryl R</b>	<b>2326</b>	<b>95</b>	<b>2</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>48</b>	<b>73</b>	<b>305</b>	<b>3</b>
99118	3002	101	2	20	0	0	0	49	63	83	360	2
Aries	2499	98	2	17	0	0	0	52	61	90	352	3
Coyne	2792	99	2	23	0	0	0	53	52	77	333	2
Mean	2655	98	2	20	0	0	0	51	56	81	338	3
<b>PINK</b>												
Rosetta	3296	104	2	10	0	0	0	49	66	90	311	4
<b>YELLOW</b>												
CDC Sol	3345	105	2	12	0	0	0	46	49	80	464	3
<b>Overall Trial Mean</b>	<b>2514</b>	<b>97</b>	<b>2</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>52</b>	<b>60</b>	<b>81</b>	<b>357</b>	<b>3</b>
CV%	8											
LSD (lbs/ac)	322											

# WIDE ROW DRY BEAN SCREENING TRIAL – LARGE SEED

## Carman

MARKET CLASS/Variety	Yield (lbs/ac)	Days to Maturity	CBB Sever 0–5	CBB Incid %	Anthr Incid %	Rust %	WM Incid %	Days to Flower	HT cm	PD HT % >5cm	TKW g	Qual 1–5
<b>CRANBERRY</b>												
<b>Cran 09</b>	<b>2264</b>	<b>106</b>	<b>2</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>39</b>	<b>80</b>	<b>620</b>	<b>3</b>
BRB 1031	1789	106	3	30	0	0	0	43	41	80	629	2
Etna	1597	105	3	23	0	0	0	46	44	90	528	3
Krimson	1767	93	2	20	0	0	0	45	41	70	577	4
Mean	1854	103	2	23	0	0	0	44	41	80	588	3
<b>LIGHT RED KIDNEY</b>												
<b>Pink Panther</b>	<b>1413</b>	<b>107</b>	<b>2</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>39</b>	<b>70</b>	<b>477</b>	<b>2</b>
09351	2159	106	3	30	0	0	0	44	42	87	592	4
09357	1868	95	2	27	0	0	0	46	36	70	588	4
09378	1630	106	2	27	0	0	0	43	41	60	621	3
Mean	1767	103	2	24	0	0	0	44	39	72	569	3
<b>Overall Trial Mean</b>	<b>1610</b>	<b>92</b>	<b>2</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>39</b>	<b>36</b>	<b>67</b>	<b>515</b>	<b>3</b>
CV%	12											
LSD (lbs/ac)	389											

## Morden

MARKET CLASS/Variety	Days to Maturity	CBB Sever 0–5	CBB Incid %	Anthr Incid %	Rust %	WM Incid %	Days to Flower	HT cm	LDG 1–5	PD HT % >5cm	TKW g	Qual 1–5
<b>CRANBERRY</b>												
<b>Cran 09</b>	<b>88</b>	<b>3</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>47</b>	<b>47</b>	<b>2</b>	<b>40</b>	<b>382</b>	<b>3</b>
BRB 1031	91	3	33	0	0	0	42	42	1	43	417	3
Etna	88	3	37	0	0	0	42	40	1	30	440	3
Krimson	96	3	22	0	0	0	43	42	2	30	450	3
Mean	91	3	33	0	0	0	43	43	2	36	422	3
<b>LIGHT RED KIDNEY</b>												
<b>Pink Panther</b>	<b>88</b>	<b>3</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42</b>	<b>45</b>	<b>1</b>	<b>37</b>	<b>410</b>	<b>3</b>
09351	88	3	23	0	0	0	42	45	1	27	445	3
09357	88	3	22	0	0	0	42	42	1	27	436	3
09378	88	3	22	0	0	0	42	42	1	27	484	2
Mean	88	3	22	0	0	0	42	43	1	29	444	3
<b>Overall Trial Mean</b>	<b>89</b>	<b>3</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>43</b>	<b>1</b>	<b>33</b>	<b>433</b>	<b>3</b>
CV%	greater than 15%											

## Portage

MARKET CLASS/Variety	Yield (lbs/ac)	Days to Maturity	CBB Sever 0-5	CBB Incid %	Anthr Incid %	Rust %	WM Incid %	Days to Flower	HT cm	PD HT % >5cm	TKW g	Qual 1-5
<b>CRANBERRY</b>												
<b>Cran 09</b>	<b>2079</b>	<b>98</b>	<b>2</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>47</b>	<b>39</b>	<b>57</b>	<b>525</b>	<b>4</b>
BRB 1031	1562	96	2	40	0	0	0	46	36	80	554	3
Etna	2094	95	3	33	0	0	0	45	38	80	587	4
Krimson	1609	104	2	10	0	0	0	45	36	17	630	3
Mean	1836	98	2	26	0	0	0	46	37	58	574	4
<b>LIGHT RED KIDNEY</b>												
<b>Pink Panther</b>	<b>1966</b>	<b>103</b>	<b>2</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>45</b>	<b>41</b>	<b>60</b>	<b>609</b>	<b>2</b>
09351	1464	95	1	10	0	0	0	44	38	80	572	3
09357	1434	100	2	13	0	0	0	45	44	60	577	2
09378	1369	95	2	17	0	0	0	45	37	77	607	3
Mean	1558	98	2	14	0	0	0	45	40	69	591	3
<b>Overall Trial Mean</b>	<b>1697</b>	<b>98</b>	<b>2</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>45</b>	<b>39</b>	<b>64</b>	<b>582</b>	<b>3</b>
CV%	12											
LSD (lbs/ac)	345											

## Winkler

MARKET CLASS/Variety	Yield (lbs/ac)	Days to Maturity	CBB Sever 0-5	CBB Incid %	Anthr Incid %	Rust %	WM Incid %	Days to Flower	HT cm	PD HT % >5cm	TKW g	Qual 1-5
<b>CRANBERRY</b>												
<b>Cran 09</b>	<b>2609</b>	<b>95</b>	<b>3</b>	<b>43</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>51</b>	<b>80</b>	<b>476</b>	<b>3</b>
BRB 1031	2713	93	3	40	0	0	0	47	48	90	532	3
Etna	2429	93	3	43	0	0	0	44	48	90	549	3
Krimson	2250	100	2	10	0	0	0	45	52	70	594	4
Mean	2500	95	3	34	0	0	0	46	50	83	537	3
<b>LIGHT RED KIDNEY</b>												
<b>Pink Panther</b>	<b>2834</b>	<b>104</b>	<b>2</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44</b>	<b>52</b>	<b>90</b>	<b>606</b>	<b>4</b>
09351	3000	101	1	17	0	0	0	45	52	70	599	3
09357	3079	100	2	20	0	0	0	43	54	80	627	3
09378	2477	101	2	23	0	0	0	44	45	70	645	3
Mean	2847	101	2	18	0	0	0	44	51	78	619	3
<b>Overall Trial Mean</b>	<b>2674</b>	<b>98</b>	<b>2</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>45</b>	<b>50</b>	<b>80</b>	<b>578</b>	<b>3</b>
CV%	9											
LSD (lbs/ac)	410											

## WIDE ROW DRY BEAN SCREENING TRIAL – SUMMARY

MARKET CLASS/Variety	Yield (lbs/ac)	Days to Maturity	CBB Sever 0–5	CBB Incid %	Anthr Incid %	Rust %	WM Incid %	Days to Flower	HT cm	PD HT % >5cm	TKW g	Qual 1–5
<b>NAVY</b>												
<b>Envoy</b>	<b>2294</b>	<b>96</b>	<b>2</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>43</b>	<b>75</b>	<b>191</b>	<b>3</b>
Avalanche	2402	98	2	15	0	0	0	49	52	73	201	2
Bolt	2530	96	3	16	0	0	0	51	57	75	226	2
Cargo	2055	95	2	19	0	0	0	50	41	67	186	2
H60-111	2461	101	2	8	0	0	0	50	52	71	195	2
H60-224	2452	100	2	9	0	0	0	52	55	72	199	3
Indi	2606	101	2	16	0	0	0	53	55	77	180	3
ISB 1815-2	2371	100	2	15	0	0	0	52	56	76	175	2
ISB 1816	2239	97	2	21	0	0	0	52	53	72	182	3
Lightning	2377	98	2	19	0	0	0	52	51	67	196	2
NA6-27-2	2378	98	2	15	0	0	0	50	50	73	197	3
NAV 1200	2467	100	2	14	0	0	0	52	52	78	220	2
Portage	2261	96	2	12	0	0	0	50	47	68	191	3
Spark	1825	95	2	21	0	0	0	51	44	71	181	3
T9903	2354	98	2	14	0	0	0	51	49	73	206	3
T9905	2441	100	2	13	0	0	0	54	57	77	199	3
<b>BLACK</b>												
<b>Eclipse</b>	<b>2682</b>	<b>98</b>	<b>2</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>52</b>	<b>72</b>	<b>196</b>	<b>2</b>
ACUG 10-B3	2646	99	2	14	0	0	0	52	53	78	185	3
BKB 1312	2525	97	2	18	0	0	0	52	50	74	203	3
Blackjack	2379	101	2	17	0	0	0	52	51	71	204	3
Carman	2571	98	2	16	0	0	0	53	48	72	215	3
CDC Jet	2172	101	2	11	0	0	0	53	48	73	196	2
CDC SuperJet	2313	96	2	16	0	0	0	52	49	70	197	2
cob 2159-00	2373	102	2	8	0	0	0	53	52	67	234	3
GTS 1103	2507	101	1	9	0	0	0	54	55	72	194	2
ISB TR3	1966	98	3	24	0	0	0	53	50	73	196	3
<b>PINTO</b>												
<b>Windbreaker</b>	<b>2088</b>	<b>93</b>	<b>2</b>	<b>12</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>52</b>	<b>52</b>	<b>56</b>	<b>378</b>	<b>3</b>
CDC WM-2	1813	95	2	14	0	3	0	49	50	61	386	3
ISB P1	1689	97	2	17	0	6	0	52	57	63	354	3
ISB P2	1643	96	2	13	0	3	0	50	49	55	347	3
ISB P3	1693	93	2	18	0	7	0	51	62	62	360	3
Mariah	1874	93	2	13	0	0	0	53	49	69	339	3
Medicine Hat	2206	93	2	16	0	0	0	52	47	53	378	3
Monterrey	2275	96	2	14	0	1	0	52	61	79	350	3
ND-307	1921	98	2	12	0	3	0	52	58	63	384	3
PIN 1012	2085	94	2	9	0	1	0	52	52	64	344	2
PIN 1314	1958	93	2	12	0	1	0	52	48	58	365	3
Stampede	2109	96	2	6	0	1	0	52	52	65	350	3
<b>GREAT NORTHERN</b>												
<b>Beryl R</b>	<b>1820</b>	<b>95</b>	<b>2</b>	<b>14</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>50</b>	<b>47</b>	<b>66</b>	<b>317</b>	<b>3</b>
99118	2090	97	2	15	0	0	0	50	50	64	361	2
Aries	2237	98	2	19	0	1	0	51	54	73	364	3
Coyne	2127	95	2	16	0	2	0	51	45	62	335	2
<b>PINK</b>												
Rosetta	2357	100	2	11	0	0	0	50	53	72	337	3
<b>YELLOW</b>												
CDC Sol	1710	98	2	15	0	3	0	47	44	63	409	3
<b>CRANBERRY</b>												
<b>Cran 09</b>	<b>2317</b>	<b>97</b>	<b>3</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>46</b>	<b>44</b>	<b>64</b>	<b>501</b>	<b>3</b>
BRB 1013	2021	96	3	36	0	0	0	45	42	73	533	3
Etna	2040	95	3	34	0	0	0	44	43	73	526	3
Krimson	1875	98	2	15	0	0	0	45	43	47	563	4
<b>LIGHT RED KIDNEY</b>												
<b>Pink Panther</b>	<b>2071</b>	<b>100</b>	<b>2</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>44</b>	<b>64</b>	<b>526</b>	<b>3</b>
09351	2207	98	2	20	0	0	0	44	44	66	552	3
09357	2127	96	2	20	0	0	0	44	44	59	557	3
09378	1825	97	2	22	0	0	0	44	41	58	589	3



# NARROW ROW DRY BEAN SCREENING TRIAL

MARKET CLASS/Variety					Morden					
	Arborg	Roblin	Boissevain	Morden	Days to Maturity	Plant Ht cm	LDG 1-5	Pod Ht >5cm	Arborg	Boissevain
	Yield (lbs/ac)								Days to Maturity	
<b>NAVY</b>										
<b>Envoy</b>	<b>1905</b>	<b>2104</b>	<b>4087</b>	<b>1418</b>	<b>90</b>	<b>43</b>	<b>1</b>	<b>50</b>	<b>113</b>	<b>121</b>
3458-7	1624	3128	3843	1631	89	43	1	37	107	118
2918-25	2162	4406	2524	2267	89	45	1	63	104	119
Portage	1537	2262	3684	1567	89	37	1	30	109	126
<b>BLACK</b>										
2921-14	1887	3444	3649	1603	85	42	1	37	106	119
CDC Blackcomb	2089	3698	3402	1962	90	43	1	50	111	126
CDC Jet	2273	2702	4040	1804	91	47	1	57	115	126
CDC Marmot	1827	3260	4173	1888	77	38	1	47	95	115
CDC SuperJet	2318	2968	4058	2179	91	48	1	50	112	122
Eclipse	2341	1809	5454	2281	91	47	1	50	117	128
Mean	1996	2978	3891	1860	88	43	1	47	109	122
<b>PINTO</b>										
<b>CDC Pintium</b>	<b>1872</b>	<b>3111</b>	<b>1981</b>	<b>1882</b>	<b>80</b>	<b>42</b>	<b>1</b>	<b>53</b>	<b>100</b>	<b>115</b>
CDC WM-2	1991	3125	3949	1430	86	47	1	40	107	120
Mariah	2306	2142	5440	2320	89	47	1	50	112	120
Medicine Hat	2274	3103	4602	1821	87	48	1	43	110	119
AC Island	2112	2809	4412	1387	82	57	1	43	109	120
Stampede	2714	1772	4962	2323	92	60	1	53	112	122
Mean	2211	2677	4224	1860	86	50	1	47	108	119
<b>Overall Trial Mean</b>	<b>2077</b>	<b>2865</b>	<b>4016</b>	<b>1860</b>	<b>87</b>	<b>46</b>	<b>1</b>	<b>46</b>	<b>109</b>	<b>121</b>
CV%	13	12	8	13						
LSD	442	579	514	407						

## NOTES FOR ALL SOYBEAN TABLES

**PLEASE NOTE: Experimental lines that are being tested in Manitoba – Due to recent changes to the requirements for registration for soybeans, lines which are not registered will be listed under this category.**

**MATURITY NOTES – always use more than one criteria to evaluate maturity**

- 1 Soybean varieties have been organized into three maturity zones – short-, mid- and long-season areas. Although there are no variety restrictions, the **short-season** grouping is meant to be a starting point for new growers in the outer production areas. The **long-season** group is targeted for southern Manitoba generally south of highway 23, with the **mid-season** grouping making up the bulk of the production area between the short- and long-season area.
- 2 Company Crop Heat Unit (CHU) ratings are assigned to assist growers to select varieties suitable for their area. Unfortunately Company Heat Unit ratings do not always reflect the actual maturity in Manitoba. Growers should never rely on just one criteria for judging maturity. Experimental lines are not assigned a CHU rating until they become registered.
- 3 Maturity grouping is a ranking of maturity provided by seed suppliers. These rankings are assigned to varieties to assist growers to select varieties suited for their area. For future years, maturity grouping will be used instead of CHU ranking.
- 4 Relative days to maturity (dtm) is the number of days from seeding to plant maturity (95% of the pods on the plant are mature with seeds rattling in the pods when plant is shaken) and is expressed as + or - days from the check. Growers need to be cautious when using only one-year data when evaluating maturity and yield. Using multiple-year maturity data when available will give you a better indication on how a variety will mature with different growing seasons. Actual days to maturity for the check is found in the grey Check box at the bottom of the table.

**GENERAL NOTES**

- 1 Roundup Ready, Conventional soybean varieties are evaluated separately from Roundup Ready type varieties, meaning direct comparison of varieties between different tables is not possible. All trials are solid seeded at 210,000 seeds/acre.
- 2 Hilum colour can range from Yellow (Y), ImperfectYellow (IY), Grey (G), Brown (BR), Buff (BF), Tan(TN) or Black (BL) and is solely a marketing issue. The hilum is the point on the soybean seed where it attaches to the pod.
- 3 Relative seeds/lb – these were the seed numbers of the varieties entered into the trial. Soybean seed size can vary greatly between varieties and even from seed lot to seed lot of the same variety. Growers should use the seed size for their seed lot when calculating seeding rates.
- 4 Lodging is rated at harvest; 1=standing upright, 5=flat along the ground. A rating of 3 or more can promote white mould within the crop canopy.
- 5 Iron Deficiency Chlorosis (IDC) rating scores 1=green leaves, 2=yellowish leaves, 3=green veins with yellow leaves, 4=brown dead tissue between green veins, 5=severe chlorosis and a stunted growing point. Ratings were taken from four sites prone to iron chlorosis over the last two years. IDC tolerant varieties are varieties with lower IDC scores and perform better on soils prone to iron deficiency chlorosis.
- 6 Iron Deficiency Chlorosis (IDC) grouping is used because varieties will have different visual rating scores from year to year. Numerical ratings, which are close but are in different groupings, will show similar symptoms. Both numerical and groupings should be considered together when judging IDC. Tolerant=leaves stayed green, Semi Tolerant=leaves when yellow then turned green, Susceptible=leaves went chlorotic and had dead patches on their leaves and were often stunted.

## CONVENTIONAL SOYBEANS

Manitoba Variety Zone	Company Heat Unit	Variety	Relative Days to Maturity <sup>1</sup> + / - of Check				Yield % Check	Site Years Tested	Colour	Relative Seeds/lb	Lodging <sup>2</sup>	
			Average	2014	2013	2012					Clay	Loam
	2400	AAC Edward (OT11-01 )	-4	-4	-2	-5	103	13	IY	2640	1.0	1.0
Short Season Zone	<b>Experimental lines that are being tested in Manitoba</b>											
		EXP 700	-6	-6	-	-	77	6	Y	2900	1.0	1.0
		OT13-07	-3	-3	-	-	99	6	Y	2340	1.0	1.0
		OT13-05	-2	-2	-	-	91	6	Y	2930	1.0	1.0
	2450	OAC Prudence	0	0	0	0	100	95	Y	2655	1.0	1.0
	2400	AAC Mandor	3	4	3	1	108	26	Y	2467	1.0	1.0
Mid- Long Season Zone	<b>Experimental lines that are being tested in Manitoba</b>											
		OT13-08	3	3	-	-	104	6	IY	2690	1.0	1.0
		SeCan 11-05C	3	5	5	0	106	20	Y	3128	1.0	1.0
		OT11-03	5	5	5	5	107	14	Y	2455	1.0	1.0
		OAC 11-02C	6	8	6	4	110	8	Y	2400	1.0	1.0
		JARI	8	8	-	-	108	6	IY	2481	1.0	1.0
		OT13-04	9	9	-	-	107	6	Y	2750	1.0	1.0
<b>CHECK CHARACTERISTICS</b>			114	115	114	114	49	95				
OAC Prudence			days to maturity				bu/acre	site years				

<sup>1</sup> Maturity ratings for 2014 are averaged across Carman, Morris, St. Adolphe

<sup>2</sup> Lodging ratings are averaged across loam (Carman) and clay (St. Adolphe, Morris) soil.

## YIELD BY LOCATION – CONVENTIONAL SOYBEANS

Manitoba Variety Zone	Variety	2014 Average Yield	Site Years Tested	2014 Yield: % of OAC Prudence								
				Early Sites		Core Sites				Late Sites		
				Arborg	Stonewall	Carman	Morris	Portage	St. Adolphe	Rosebank	Morden	
	AAC Edward OT11-01	95	6	82	96	98	92	107	98	-	-	
Short Season Zone	<b>Experimental lines that are being tested in Manitoba</b>											
		EXP 700	77	6	75	66	59	85	89	86	-	-
		OT13-07	99	6	86	104	103	95	106	108	-	-
		OT13-05	91	6	88	101	84	100	86	88	-	-
	OAC Prudence	100	8	100	100	100	100	100	100	100	100	
	AAC Mandor	113	6	103	132	116	116	105	116	-	-	
Mid- Long Season Zone	<b>Experimental lines that are being tested in Manitoba</b>											
		OT13-08	104	6	-	-	109	97	102	110	100	106
		SeCan 11-05C	102	6	88	117	118	96	91	110	-	-
		OT11-03	96	6	-	-	90	107	79	86	103	107
		OT11-02C	96	6	-	-	105	114	71	94	95	97
		JARI	108	6	107	122	134	104	77	108	-	-
		OT13-04	107	6	-	-	109	105	94	118	100	117
<b>CHECK CHARACTERISTICS</b>		OAC Prudence (bu/acre)		57	29	43	46	43	45	49	48	
		CV%		13.3	7.1	8.4	4.6	7.6	4.7	4.7	5.1	
		LSD%		23	13	14	8	13	8	9	10	
		Sign Diff		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
		<b>Seeding Date</b>		23-May	23-May	22-May	24-May	04-Jun	29-May	27-May	23-May	
		<b>Harvest Date</b>		15-Oct	10-Oct	02-Oct	07-Oct	17-Oct	08-Oct	15-Oct	01-Oct	

# WESTERN MANITOBA SOYBEAN ADAPTATION TRIAL

In 2014, trials were located at Boissevain, Carberry, Hamiota, and Roblin.

## VARIETY DESCRIPTIONS

Variety	Maturity Grouping	Company Heat Unit	Yield % Check	Site Years Tested	Relative Days to Maturity <sup>1</sup> + / - of Check			2014 Yield % of 23-10RY			
					Average	2014	2013	Boissevain	Hamiota	Roblin	Carberry
P001T34R ☼	000	2300	77	8	-7	-6	-7	72	68	77	73
P002T04R ☼	00.2	2325	99	4	-3	-3	-	94	105	117	87
NSC Moosomin RR2Y	000	2300	95	8	-3	-3	-2	83	101	99	86
TH 33003R2Y	00.3	2400	105	9	0	3	-2	105	117	87	108
NSC Anola RR2Y	00.2	2350	110	8	0	3	-2	114	125	92	113
23-10RY	00.1	2325	100	15	0	0	0	100	100	100	100
NSC Reston RR2Y	00.1	2325	99	9	2	2	2	100	97	92	106
LS002R24N	00.2	2375	109	8	1	2	0	110	105	97	109
TH 32004R2Y	00.4	2425	113	14	2	3	1	112	122	89	113
NSC Gladstone RR2Y	00.4	2375	107	8	2	4	0	109	104	88	105
900Y61	00.6	2425	100	14	3	3	2	100	112	79	102
LS 002R23	00.2	2375	105	9	2	4	1	97	108	87	104
23-60RY	00.3	2375	107	8	1	-2	5	113	110	96	110
PS 0035 NR2	00.3	2375	106	8	2	3	1	114	111	91	107
McLeod R2	00.3	2375	108	9	2	4	0	113	99	91	111
NSC Tilston RR2Y	00.4	2375	107	9	3	5	0	103	112	101	100
Pekko R2	00.3	2325	98	14	3	5	1	89	118	105	113
Bishop R2	00.2	2350	99	9	2	3	0	83	101	122	101
S007-Y4	00.7	2350	117	4	4	4	-	113	122	118	116
900Y71	00.7	2450	102	14	3	5	1	108	116	80	101
Akras R2	00.9	2375	111	4	5	5	-	102	122	99	122
Notus R2	00.6	2300	94	4	4	4	-	95	93	81	103
Vito R2	00.3	2350	95	9	4	6	2	82	97	74	103
LS 003R24N	00.3	2350	101	4	5	5	-	106	96	97	102
TH 33005R2Y	00.5	2450	108	8	5	7	3	99	111	65	121
Hero R2	00.4	2375	103	4	6	6	-	108	119	76	105
Sampsa R2	00.8	2425	100	14	6	7	5	113	122	98	108
TH 35002R2Y	00.2	2375	84	4	5	5	-	79	102	47	104
HS 006RYS24	00.6	2450	100	10	6	6	-	100	105	90	103
HS 007RY32	00.7	2500	106	5	6	6	-	127	124	81	113
24-10RY	00.5	2425	102	10	7	7	-	109	112	85	124

### Experimental lines that are being tested in Manitoba

MKZ613A3		100	4	3	5	-		100	114	70	111
MK913A4		99	4	1	1	-		88	104	91	114
CFS13.2.01 R2		110	4	7	7	-		93	116	113	122
LS NorthWester		108	4	1	1	-		106	110	98	115
SC 2350R2		115	4	5	5	-		118	113	104	120

### CHECK CHARACTERISTICS

23-10RY	51 bu/acre	15 site years	131	127 days to maturity	135	23-10RY (bu/acre)	66	46	49	65
						CV%	5.6	6.7	10.4	7.0
						LSD%	9	11	18	10
						Sig Diff	Yes	Yes	Yes	Yes

**Seeding Date** 21-May 17-May 27-May 26-May

**Harvest Date** 17-Oct 14-Oct 14-Oct 09-Oct

<sup>1</sup>Maturity based on data from Boissevain, Hamiota and Roblin.

## ROUNDUP READY SOYBEANS

### New varieties for 2015

Variety	Previous Code	Distributor	Seed Availability	Variety	Previous Code	Distributor	Seed Availability
23-60RY	FLZ612A4	DEKALB	2014	P008T22R2 ☼	PH13001	DuPont Pioneer	2014
Akras R2	CFS12.3.02 R2	Brett Young	2015	P008T70R ☼	PH13003	DuPont Pioneer	2014
Hero R2	SC2380 R2	Secan	2014	PRO 2525R2	PRO 2525R2	Sevita International	2014
LS002R24N	LS002R24N	Delmar Commodities	2014	PRO 2535R2	PRO 2535R2	Sevita International	2014
LS005R24	LS005R24	Delmar Commodities	2014	PS 0035 NR2	EXP00313R2	PRIDE Seeds	2014
Notus R2	AURA R2	Brett Young	2015	S00-N6	S00-N6	Syngenta Canada	2014
NSC Gladstone RR2Y	NSC Gladstone RR2Y	Northstar Genetics Manitoba	2014	TH 33005R2Y	TH 33005R2Y	Quarry Seed Ltd	2014
NSC Sanford R2Y	009G12A1	Northstar Genetics Manitoba	2014	TH 34006R2Y	TH 34006R2Y	Quarry Seed Ltd	2014
P002T04R ☼	P002T04R	DuPont Pioneer	2014	TH 35002R2Y	TH 35002R2Y	Quarry Seed Ltd	2014

variety descriptions follow next page

# ROUNDUP READY SOYBEANS – VARIETY DESCRIPTIONS

Manitoba Variety Zone	Company Heat Unit	Maturity Grouping	Variety	1Type	Relative Days to Maturity <sup>2</sup> + / - of Check				Yield % Check	Site Years Tested	Hilum Colour	Relative Seeds/ lb	Lodging <sup>3</sup>		IDC <sup>4</sup>			Notes <sup>5</sup>
					Average	2014	2013	2012					Clay	Loam	Rating (1–5)	Grouping		
Short Season Zone	2300	000	P001T34R ☼	RR1	-10	-11	-12	-8	68	18	BR	3138	1.0	1.0	2.1	ST	-	
	2300	000	NSC Moosomin RR2Y	R2Y	-7	-6	-8	-	82	13	BR	3200	1.0	1.0	2.3	ST	-	
	2325	00.2	P002T04R ☼	RR1	-7	-7	-	-	76	7	TN	3059	1.0	1.0	2.4	S	1k	
	2325	00.1	23-10RY	R2Y	-5	-6	-4	-4	95	25	BL	2313	1.0	1.0	1.8	ST	1c	
	2325	00.3	Pekko R2	R2Y	-4	-3	-5	-5	96	23	BL	2402	1.0	1.0	1.8	ST	-	
	2325	00.1	NSC Reston RR2Y	R2Y	-4	-4	-5	-4	96	19	BL	3369	1.0	1.0	2.7	S	1k	
	2350	00.2	Bishop R2	R2Y	-4	-4	-4	-3	93	24	IY	2614	1.0	1.0	2.4	S	-	
	2350	00.7	S007-Y4	R2Y	-4	-3	-4	-	108	13	IY	2841	1.0	1.0	1.8	ST	1c	
	2375	00.3	23-60RY	R2Y	-3	-3	-3	-	103	13	BL	2440	1.0	1.0	1.7	T	-	
	2375	00.3	PS 0035 NR2	R2Y	-3	-2	-3	-	102	13	BL	2550	1.0	1.0	1.8	ST	SCN	
	2425	00.4	TH 32004R2Y	R2Y	-2	-1	-4	-1	104	25	BL	3200	1.0	1.0	1.8	ST	1c	
	2375	00.2	LS 002R24N	R2Y	-2	-2	-2	-	104	13	BL	2796	1.0	1.0	1.8	ST	SCN	
	2350	00.2	NSC Anola RR2Y	R2Y	-2	0	-4	-1	102	23	BL	2720	1.0	1.0	1.8	ST	1c	
	2375	00.2	LS 002R23	R2Y	-2	-2	-2	-1	97	19	BL	2796	1.0	1.3	1.8	ST	-	
	2375	00.2	TH 35002R2Y	R2Y	-2	-2	-	-	92	7	BL	2970	1.0	1.0	1.6	T	-	
	<b>Experimental lines that are being tested in Manitoba</b>																	
				MKZ913A4	R2Y	-5	-5	-	-	95	7	BL	2536	1.0	1.0	1.9	ST	-
				MKZ613A3	R2Y	-4	-4	-	-	97	7	BL	2751	1.0	1.0	1.7	T	-
				PH 14001	RR1	-3	-3	-	-	85	7	BL	2562	1.0	1.0	NT	NT	1c
				LS Northwester	R2Y	-3	-3	-	-	93	7	BL	2450	1.0	1.3	1.9	ST	-
			SC2350	R2Y	-3	-3	-	-	109	7	BL	2110	1.0	1.0	2.6	S	-	
			PH 14003	RR1	-3	-3	-	-	83	7	BR	3433	1.0	1.0	NT	NT	1c	
Mid Season Zone	2375	00.3	McLeod R2	R2Y	-1	-2	-2	0	102	19	BL	2268	1.0	1.0	1.6	T	-	
	2400	00.6	S00-N6	R2Y	-1	-2	0	-	101	13	BL	2507	1.0	1.0	2.2	ST	-	
	2375	00.4	NSC Gladstone RR2Y	R2Y	-1	-1	-1	-	100	13	BL	2570	1.0	1.3	2.0	ST	-	
	2300	00.6	Notus R2	R2Y	-1	-1	-	-	93	7	BL	2122	1.0	1.0	1.6	T	-	
	2350	00.3	Vito R2	R2Y	-1	0	-1	-1	96	23	GR	3366	1.0	1.0	1.9	ST	1k	
	2375	00.9	Akras R2	R2Y	-1	0	-2	0	104	18	BL	2183	1.0	1.0	1.6	T	-	
	2375	00.4	NSC Libau RR2Y	R2Y	-1	-1	0	-1	99	25	BL	2886	1.0	1.0	1.8	ST	1c	
	2350	00.3	LS 003R24N	R2Y	-1	-1	0	-	101	7	BL	2583	1.0	1.0	1.7	T	-	
	2475	00.6	Chadburn R2	R2Y	0	1	-1	-1	100	26	BL	2612	1.0	1.0	1.5	T	-	
	2400	00.3	TH 33003 R2Y	R2Y	0	1	-2	0	100	22	BR	3000	1.0	1.0	2.1	ST	1c	
	2375	00.4	NSC Tilston RR2Y	R2Y	0	0	-1	1	100	23	BL	2810	1.0	1.0	1.8	ST	-	
	2400	00.4	004R21	R2Y	0	0	0	0	100	31	BL	2938	1.0	1.0	1.5	T	1a	
	2450	00.5	TH 33005R2Y	R2Y	0	2	-2	1	112	19	BL	2800	1.0	1.0	1.8	ST	1c,1k	
	2425	00.8	Sampsa R2	R2Y	0	0	0	1	105	21	BL	2270	1.0	1.0	2.0	ST	1c	
	2475	00.6	TH 34006R2Y	R2Y	1	1	0	-	107	12	IB	2500	1.0	1.0	2.0	ST	-	
	2425	00.5	24-10RY	R2Y	1	2	0	0	105	31	BL	2948	1.0	1.0	1.9	ST	1k	
	2450	00.5	Gray R2	R2Y	1	1	0	1	100	19	BL	2662	1.0	1.0	1.9	ST	1c	
	2450	00.5	PRO 2525R2	R2Y	1	1	-	-	114	7	BL	2101	1.0	1.2	1.7	T	1c	
	2425	00.6	900Y61 ☼	RR1	1	2	-1	2	94	25	BR	2468	1.0	1.0	1.5	T	1c	
	2450	00.6	HS 006RYS24	R2Y	1	1	1	1	101	24	BL	2900	1.0	1.0	1.6	T	SCN	
2475	00.8	P008T70R ☼	RR1	1	1	1	-	110	13	BR	2396	1.0	1.0	1.8	ST	1k		
2425	00.5	NSC Sanford R2Y	R2Y	1	2	0	-	105	13	GR	2650	1.0	1.7	2.0	ST	-		
2450	00.7	900Y71 ☼	RR1	1	2	1	1	97	25	TN	2502	1.0	1.0	1.7	T	1c		
2375	00.4	Hero R2	R2Y	2	2	1	-	100	13	BL	2075	1.0	1.5	2.2	ST	1c		
<b>Experimental lines that are being tested in Manitoba</b>																		
			EXP 00813BNR2	R2Y	-1	-1	-	-	107	6	IY	2700	1.0	1.0	1.7	T	-	
			PH 14002	RR1	-1	-	-	-	94	7	BR	2799	1.0		NT	NT	1c	
			FLZ612A3	R2Y	0	0	-	-	99	7	BL	2404	1.0	1.0	1.6	T	-	
			CFS13.2.01 R2	R2Y	0	2	-1	-	107	13	Y	2508	1.0	1.0	1.9	ST	-	
Long Season Zone	2500	00.7	HS 007RY32	R2Y	1	0	2	2	114	12	BL	2950	1.0	1.0	1.8	ST	1c,1k	
	2475	00.8	P008T22R2 ☼	R2Y	2	2	2	-	104	13	TN	2329	1.0	1.0	1.5	T	1c	
	2475	00.7	24-61RY	R2Y	3	2	3	-	105	12	BL	2751	1.0	1.0	1.6	T	1c	
	2500	00.8	PS 0074 R2	R2Y	3	4	1	3	113	17	BR	2900	1.0	2.0	1.6	T	-	
	2475	00.7	NSC Richer RR2Y	R2Y	3	3	2	3	110	22	BL	3390	1.0	1.3	1.5	T	1c	
	2475	00.5	LS 005R22	R2Y	3	2	3	3	104	17	BL	2344	1.0	1.0	1.8	ST	-	
	2450	00.6	NSC Niverville RR2Y	R2Y	3	4	2	2	112	17	BL	3690	1.0	1.2	1.6	T	SCN,1c	
	2500	00.7	LS 007R22	R2Y	3	3	2	4	110	17	BL	2725	1.0	1.8	2.0	ST	-	
	2500	00.9	S00-T9	R2Y	3	4	1	4	114	17	BL	2302	1.0	1.0	1.6	T	1k	
	2475	00.5	LS 005R24	R2Y	3	2	4	-	110	12	BL	2755	1.0	1.8	1.7	ST	-	
	2475	00.8	PS 0083 R2	R2Y	3	3	3	3	97	22	BL	2600	1.0	1.0	2.5	S	-	
	2500	00.8	Currie R2	R2Y	4	4	5	3	109	23	BL	2594	1.0	1.0	1.8	ST	1k	
	2475	00.9	25-10RY	R2Y	4	4	4	5	110	20	BL	2630	1.0	1.3	1.9	ST	1c	
	2525	00.7	Astro R2	R2Y	6	6	6	5	115	20	BL	2800	1.0	1.7	1.8	ST	1c	
	2575	00.9	PRO 2535R2	R2Y	7	7	-	-	117	6	BL	2402	1.0	2.0	1.6	T	1k	
	<b>Experimental lines that are being tested in Manitoba</b>																	
				NSC Arnaud RR2Y	R2Y	2	2	-	-	114	6	BL	2720	1.0	1.7	2.0	ST	-
				CFS12.5.01 R2	R2Y	4	4	-	-	109	6	BL	2281	1.0	1.2	2.0	ST	-
				NSC EXP 1319 R2	R2Y	4	4	-	-	108	6	BL	2440	1.0	1.3	3.2	S	-
				CFS13.3.01 R2	R2Y	5	5	-	-	116	6	BL	2259	1.0	1.0	NT	NT	-

### CHECK CHARACTERISTICS

004R21	117	117	120	115	50	31
	days to maturity			bu/acre		site years

<sup>1</sup> R2Y Indicates Genuity Roundup Ready 2 Yield™ Soybeans

<sup>2</sup> Maturity Ratings for 2014 are averaged across Carman, Morris, St. Adolphe

<sup>3</sup> Lodging ratings are averaged across loam (Carman) and clay (St. Adolphe, Morris) soil.

<sup>4</sup> Iron Deficiency Chlorosis (IDC) Groupings – These ratings determined at a

separate trial near Winnipeg that is prone to IDC. ST = Semi-Tolerant T = Tolerant S = Susceptible NT = Not Tested

<sup>5</sup> Notes 2a, 1c, etc. Phytoph. Resist. genes SCN – SCN Resistance

☼ Plant Breeders' Rights

**YIELD BY LOCATION – ROUNDUP READY SOYBEANS**

2014 Yield: % of 004R21

Manitoba Variety Zone	Variety	2014 Average Yield	Site Years Tested	Early Sites			Core Sites				Late Sites		
				Arborg	Beausejour	Stonewall	Carman	Morris	Portage	St. Adolphe	Morden	Rosebank	
Short Season Zone	P001T34R ☼	55	7	50	59	43	54	48	69	64	-	-	
	NSC Moosomin RR2Y	81	7	74	57	81	92	82	85	98	-	-	
	P002T04R ☼	76	7	74	58	70	66	76	100	89	-	-	
	23-10RY	92	7	100	84	80	97	90	99	89	-	-	
	Pekko R2	97	7	96	84	104	85	101	97	114	-	-	
	NSC Reston RR2Y	86	7	74	64	91	86	93	99	100	-	-	
	Bishop R2	91	7	99	68	90	95	93	91	101	-	-	
	S007-Y4	112	7	115	112	106	113	107	107	121	-	-	
	23-60RY	105	7	100	94	107	103	109	115	111	-	-	
	PS 0035 NR2	105	7	97	98	103	108	108	105	115	-	-	
	TH 32004R2Y	99	7	95	88	101	103	101	95	114	-	-	
	LS 002R24N	107	7	113	101	95	112	110	97	117	-	-	
	NSC Anola RR2Y	100	7	91	108	96	96	103	101	109	-	-	
	LS 002R23	90	7	92	70	92	88	95	95	95	-	-	
	TH 35002R2Y	92	7	85	77	93	93	102	86	104	-	-	
	<b>Experimental lines that are being tested in Manitoba</b>												
		MKZ913A4	95	7	92	81	102	99	91	94	109	-	-
		MKZ613A3	97	7	93	94	98	99	102	90	103	-	-
	PH 14001	85	7	74	75	78	95	83	90	99	-	-	
	LS NorthWester	93	7	87	92	92	85	99	91	105	-	-	
	SC2350	109	7	114	94	96	112	106	113	124	-	-	
	PH 14003	83	7	69	62	81	90	89	98	92	-	-	
Mid Season Zone	McLeod R2	98	7	94	81	95	103	103	98	113	-	-	
	S00-N6	102	7	103	104	97	104	107	102	99	-	-	
	NSC Gladstone RR2Y	100	7	80	105	99	104	103	100	111	-	-	
	Notus R2	93	7	83	71	85	104	104	92	111	-	-	
	Vito R2	94	7	94	85	99	86	96	98	104	-	-	
	Akras R2	104	7	106	91	100	104	98	109	121	-	-	
	NSC Libau RR2Y	97	7	86	99	97	92	100	98	107	-	-	
	LS 003R24N	101	7	89	95	101	113	111	88	112	-	-	
	Chadburn R2	101	7	86	105	98	104	103	99	112	-	-	
	TH 33003R2Y	97	7	91	88	100	109	99	90	102	-	-	
	NSC Tilston RR2Y	99	7	107	87	93	113	95	92	106	-	-	
	004R21	100	9	100	100	100	100	100	100	100	100	100	
	TH 33005R2Y	109	7	105	100	108	115	110	102	119	-	-	
	Sampsa R2	103	7	88	96	112	106	113	86	127	-	-	
	TH 34006R2Y	109	6	-	-	-	111	112	104	112	111	105	
	24-10RY	106	9	91	102	107	109	106	90	112	115	120	
	Gray R2	98	7	89	94	93	98	109	101	101	-	-	
	PRO 2525R2	114	7	110	115	102	118	121	106	124	-	-	
	900Y61 ☼	88	7	88	77	81	94	94	83	94	-	-	
	HS 006RYS24	96	7	79	86	94	114	101	96	104	-	-	
	P008T70R ☼	106	7	111	88	115	92	113	116	111	-	-	
	NSC Sanford R2Y	106	7	95	102	100	106	117	102	120	-	-	
900Y71 ☼	94	7	98	87	95	94	92	95	98	-	-		
Hero R2	102	7	99	92	96	116	98	95	115	-	-		
<b>Experimental lines that are being tested in Manitoba</b>													
	EXP 00813BNR2	107	6	-	-	-	97	108	105	110	116	106	
	PH 14002	94	7	81	81	96	99	96	104	104	-	-	
	FLZ612A3	99	7	98	88	94	100	107	96	108	-	-	
	CFS13.2.01 R2	109	7	122	100	102	110	105	106	115	-	-	
Long Season Zone	HS 007RY32	115	6	-	-	-	119	107	107	124	114	119	
	P008T22R2 ☼	103	7	98	87	101	109	111	110	105	-	-	
	24-61RY	106	6	-	-	-	116	106	96	108	103	105	
	PS 0074 R2	124	6	-	-	-	112	115	111	122	140	138	
	NSC Richer RR2Y	113	6	-	-	-	110	113	92	112	125	119	
	LS 005R22	109	6	-	-	-	104	106	99	117	112	115	
	NSC Niverville RR2Y	114	6	-	-	-	121	106	90	114	121	126	
	LS 007R22	114	6	-	-	-	107	126	91	122	122	116	
	S00-T9	114	6	-	-	-	103	118	107	123	116	121	
	LS 005R24	109	6	-	-	-	111	115	92	104	121	107	
	PS 0083 R2	93	6	-	-	-	78	94	73	87	112	103	
	Currie R2	113	6	-	-	-	103	119	88	116	131	114	
	25-10RY	119	6	-	-	-	118	116	115	119	118	126	
	Astro R2	122	6	-	-	-	113	121	103	126	133	131	
	PRO 2535R2	117	6	-	-	-	116	119	92	115	132	125	
<b>Experimental lines that are being tested in Manitoba</b>													
	NSC Arnaud RR2Y	114	6	-	-	-	113	112	92	121	122	121	
	CFS12.5.01 R2	109	6	-	-	-	104	110	75	117	126	116	
	NSC EXP 1319 R2	108	6	-	-	-	119	102	81	115	113	112	
	CFS13.3.01 R2	116	6	-	-	-	117	109	101	119	120	126	
<b>CHECK CHARACTERISTICS</b>		004R21 (bu/acre)		51	44	42	52	47	47	43	61	58	
		CV%		10.1	9.9	5.9	6.1	3.9	8.9	6.1	7.4	6.6	
		LSD%		16	16	10	10	6	14	10	12	11	
		Sign Dif		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
		<b>Seeding Date</b>		23-May	24-May	23-May	22-May	24-May	04-Jun	29-May	23-May	27-May	
		<b>Harvest Date</b>		15-Oct	22-Oct	10-Oct	02-Oct	07-Oct	17-Oct	08-Oct	01-Oct	15-Oct	

## FIELD PEAS

The Field Pea variety trial is coordinated with the Saskatchewan Regional Variety testing program, therefore the seed source is the same as used in Saskatchewan trials.

### New varieties for 2015

Variety	Code	Breeder	Distributor	Seed Availability
AAC Ardill ☼	MP 1892	AAFC – Lacombe	Wagon Wheel Seed Corp	2016
Abarth ☼	LN 4206	Limagrain Europe SA	FP Genetics	Available
AC Earlystar ☼	MP 1862	AAFC – Lacombe	CANTERRA SEEDS	2015
CDC Greenwater	CDC 2472-4	Crop Development Centre	Saskatchewan Pulse Growers	2017
CDC Limerick	CDC 2336-1	Crop Development Centre	Saskatchewan Pulse Growers	2016
CDC Amarillo	CDC 2462-30	Crop Development Centre	Saskatchewan Pulse Growers	2016
<b>Varieties that are being tested or proposed for registration</b>				
	MP 1867	AAFC – Lacombe	NA	NA

### VARIETY DESCRIPTIONS

Variety	Site Years Tested	Yield (bu/acre)	Relative Maturity	Relative Vine Length	Seed Size (TSW)	Resistance Level							
						Green Seed Coats <sup>1</sup>	Lodging	Powdery Mildew	Mycosphaerella blight	Fusarium Wilt <sup>2</sup>	Bleaching	Seed Coat Breakage	Seed Coat Dimpling <sup>3</sup>
<b>YELLOW</b>													
AAC Ardill ☼	2	72	M	M	240	n/a	G	VG	F	G	n/a	G	n/a
Abarth ☼	2	71	E	M	280	G	VG	VG	F	F	n/a	F	G
AC Earlystar ☼	2	72	E	M	210	G	G	VG	F	F	n/a	F	G
Agassiz ☼	39	74	M	M	230	G	G	VG	F	F	n/a	G	F
Argus ☼	14	69	M	M	230	G	G	VG	F	F	n/a	F	F
CDC Amarillo	2	74	M	M	230	G	VG	VG	F	G	n/a	F	F
CDC Bronco	31	62	M	M	230	G	G	VG	F	F	n/a	G	G
CDC Centennial	20	72	E	S	270	F	F	VG	F	F	n/a	G	G
CDC Golden	44	68	M	M	230	G	G	VG	F	F	n/a	G	G
CDC Hornet	30	70	M	M	220	G	G	VG	F	F	n/a	F	G
CDC Meadow	52	73	E	M	220	G	G	VG	F	F	n/a	G	G
CDC Mozart	34	70	M	S	220	F	F	VG	F	F	n/a	G	G
CDC Prosper	29	64	E	M	150	G	G	VG	F	G	n/a	G	F
CDC Saffron	16	73	M	M	250	G	G	VG	F	F	n/a	G	F
CDC Treasure	37	70	E	M	210	G	G	VG	F	G	n/a	F	F
Cutlass	65	67	M*	M*	220	G	G	VG	F	F	n/a	F	F
Eclipse ☼	62	71	M	M	250	G	G	VG	F	F	n/a	G	F
Hugo ☼	14	69	M	M	220	n/a	G	VG	F	G	n/a	G	n/a
Polstead ☼	35	70	M	M	280	F	G	VG	P	P	n/a	F	F
Reward ☼	20	71	M	L	240	F	G	VG	F	F	n/a	G	G
SW MIDAS ☼	29	69	E	M	220	G	G	VG	F	F	n/a	G	G
Sorento ☼	28	71	M	M	260	G	F	VG	F	F	n/a	G	F
Thunderbird ☼	26	71	M	M	220	F	G	VG	F	F	n/a	G	G
<b>GREEN</b>													
CDC Greenwater	2	75	L	M	220	n/a	G	VG	F	G	G	VG	G
CDC Limerick	2	67	L	M	210	n/a	VG	VG	F	F	G	VG	G
CDC Patrick	38	67	M	M	190	n/a	G	VG	F	G	G	G	G
CDC Pluto	9	68	M	M	160	n/a	F	VG	F	F	G	G	G
CDC Raezer	11	67	M	M	220	n/a	VG	VG	F	G	G	G	G
CDC Sage	19	59	M	M	220	n/a	G	VG	F	G	G	G	F
CDC Striker	57	65	M	M	230	n/a	VG	P	F	G	G	VG	G
CDC Tetris	25	68	L	M	210	n/a	G	VG	F	G	G	G	G
COOPER ☼	47	69	L	M	270	n/a	G	VG	F	F	G	F	G
<b>Varieties that have been supported for registration</b>													
MP 1867	2	55	M	M	230	n/a	G	VG	F	G	VG	VG	G
<b>OTHER PEA TYPES</b>													
CDC Mosaic (Maple)	17	60	L	M	180	n/a	G	VG	F	n/a	n/a	G	VG
CDC Rocket (Maple)	19	64	M	M	210	n/a	F	VG	F	n/a	n/a	G	VG
CDC Dakota (Dun)	19	75	M	M	205	n/a	VG	VG	F	n/a	n/a	G	VG
CDC Horizon (Silage)	17	63	M	L	170	G	G	VG	F	n/a	n/a	G	G
CDC Leroy (Silage)	20	62	M	L	150	G	F	VG	F	n/a	n/a	G	G
CDC Tucker (Silage)	21	64	M	L	170	F	G	VG	F	n/a	n/a	G	G
Stella (Silage) ☼	14	58	L	L	220	n/a	G	VG	F	n/a	n/a	G	n/a
<b>GRAND MEAN</b>		66											
<b>LSD (0.05)</b>		4											

<sup>1</sup> Green seed coats: G = 0–10%; F = 11–25%

<sup>2</sup> Varieties which show good disease tolerance to one strain of Fusarium wilt may be susceptible to other strains.

<sup>3</sup> Seed coat dimpling rating: VG = 0–5%; G = 6–20%; F = 21–50%

\*The relative maturity of the variety Cutlass is 99 days (Medium). Please add 3–4 days for each rating beyond Medium. The relative vine length for Cutlass is 34 inches (Medium).

☼ Plant Breeders' Rights

## YIELD COMPARISONS – FIELD PEAS

2014 Yield (bu/acre)

Variety	2014 Average Yield (bu/acre)	2014 Yield (bu/acre)	
		Arborg	Thornhill
<b>YELLOW</b>			
AAC Ardill ☪	100	100	100
Abarth ☪	97	93	101
AC Earlystar ☪	96	95	97
Agassiz ☪	96	96	95
CDC Amarillo	100	99	102
CDC Golden	95	93	96
CDC Meadow	94	92	97
CDC Saffron	97	97	98
<b>GREEN</b>			
CDC Greenwater	103	102	104
CDC Limerick	89	88	90
CDC Patrick	91	93	89
CDC Raezer	83	83	83
CDC Striker	88	86	90
CDC Tetris	92	90	93
<b>Varieties that have been supported for registration</b>			
MP 1867	70	64	76
<b>OTHER</b>			
CDC Dakota	99	97	101
<b>SITE GRAND MEAN (bu/acre)</b>		92	94
	CV%	5.1	5.3
	LSD (bu/acre)	8	8
	Sign Diff	Yes	Yes
	<b>Seeding Date</b>	24-May	15-May
	<b>Harvest Date</b>	10-Sep	13-Aug

## FABA BEANS

The faba bean variety trial was tested by MCVET and partially sponsored by the Manitoba Pulse Growers Association.

Traditionally, tannin faba bean with tan-coloured seed coats contain tannins and can't be fed directly to livestock. Zero tannin faba beans have white seed coats and flowers and can be fed directly to livestock.

### VARIETY DESCRIPTIONS

Variety	Yield (lbs/ac)	Site Years Tested	Seed Size TKW (g)	Maturity* (days)	2014 Yield % Check Variety	
					Arborg	Roblin
<b>Coloured Flower (Tannins)</b>						
CDC Fatima	4010	33	520	105	100	100
CDC SSNS-1	5579	11	335	105	98	87
Florent	5196	8	660	107	–	–
Taboar ☪	4689	13	480	107	98	96
<b>CHECK CHARACTERISTICS</b>					<b>CDC Fatima (lbs/ac)</b>	
CDC Fatima (Tannin)	4010	331			CV%	6.6
					LSD%	11
					Sign Diff	Yes
						8623
<b>White Flower (Zero Tannin)</b>						
CDC Snowdrop	5437	8	335	104	100	100
Snowbird ☪	5497	11	495	104	143	101
Tabasco ☪	5380	7	530	106	119	98
<b>CHECK CHARACTERISTICS</b>					<b>CDC Snowbird (lbs/ac)</b>	
CDC Snowbird (Zero Tannin)	5497	11			CV%	10.5
					LSD%	17
					Sign Diff	Yes
						8966

\*Maturity ratings are based on days until swathing, but will vary depending on seeding date ☪ Plant Breeders' Rights

# LENTILS

The lentil variety trial is coordinated with the Saskatchewan Regional Variety testing program, therefore the seed source is the same as used in Saskatchewan trials.

The lentil variety trial was tested by MCVET and partially sponsored by the Manitoba Pulse Growers Association.

Clearfield lentils are tolerant to the herbicide Odyssey. These varieties are easily identified by the "CL" designation at the end of the name.

## VARIETY DESCRIPTIONS

MARKET CLASS/Variety	Yield % Check	Site Years Tested	Maturity Rating <sup>1</sup>	Resistance Level		Seed Wt (TKW)	Cotyledon Colour	2014 Yield
				Ascochyta Blight	Anthracnose Race 1			% of CDC Maxim
								Melita
<b>SMALL GREEN</b>								
CDC Asterix	91	3	Early	G	F	26	Yellow	78
CDC Invincible CL	76	12	Early	G	G	35	Yellow	68
CDC Milestone	80	10	Early	G	VP	37	Yellow	–
Eston	82	7	Early	VP	VP	33	Yellow	–
<b>MEDIUM GREEN</b>								
CDC Imigreen CL	63	11	Medium	G	F	63	Yellow	–
CDC Impress CL	68	11	Medium	G	P	52	Yellow	–
CDC Richlea	76	7	Medium	VP	VP	51	Yellow	–
<b>LARGE GREEN</b>								
CDC Greenland	63	10	Med/Late	G	VP	64	Yellow	–
CDC Greenstar	101	1	Med/Late	G	F	73	Yellow	101
CDC Impower CL	65	5	Medium	G	P	74	Yellow	68
CDC Improve CL	70	11	Medium	F	VP	67	Yellow	–
CDC Plato	61	11	Med/Late	G	P	62	Yellow	–
Laird	54	7	Very Late	VP	VP	67	Yellow	–
<b>FRENCH GREEN</b>								
CDC Peridot CL	78	11	Early	G	P	40	Yellow	–
CDC Marble	109	3	Early/Med	F	G	32	Yellow	113
CDC QG-2	67	1	Early/Med	F	G	33	Yellow	67
<b>EXTRA SMALL RED</b>								
CDC Robin	78	10	Early	G	G	30	Red	–
CDC Impala CL	81	11	Early	G	G	31	Red	–
CDC Imperial CL	77	11	Early	G	G	30	Red	–
CDC Redbow	84	8	Early/Med	G	G	42	Red	–
CDC Rosebud	87	10	Early	G	G	29	Red	–
CDC Rosie	91	3	Early/Med	G	G	30	Red	83
CDC Rosetown	88	11	Early	G	G	31	Red	–
CDC Ruby	92	2	Early	G	G	29	Red	–
<b>SMALL RED</b>								
CDC Dazil	94	4	Early/Med	G	F	35	Red	85
CDC Imax CL	81	12	Medium	G	G	50	Red	71
CDC Impact CL	78	10	Early	G	P	34	Red	–
CDC Maxim CL	100	14	Early/Med	G	G	40	Red	100
CDC Red Rider	83	2	Early/Med	G	F	45	Red	–
CDC Redberry	97	11	Early/Med	G	G	42	Red	–
CDC Redcoat	78	8	Early	G	G	40	Red	–
CDC Scarlet	106	3	Early/Med	G	F	36	Red	105
<b>LARGE RED</b>								
CDC KR-1	79	9	Medium	G	G	56	Red	115
<b>CHECK CHARACTERISTICS</b>							CDC Maxim (lbs/ac)	2148
CDC Maxim	3329 lbs/ac	13 site years					CV%	14.7
							LSD (%)	29
							Sign Diff	Yes

<sup>1</sup> Ratings determined in Saskatchewan and may not be accurate under wetter growing conditions present in Manitoba.

**Seeding Date** 13-May  
**Harvest Date** 03-Sep