



Pulse Variety Evaluation in 2009

This publication features the results from MPGA sponsored trials.

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The results within this publication are made possible with your continued support through your MPGA check-off levy. Financial assistance was also received from the Agri-Food Research and Development Initiatives (ARDI). The 2009 dry bean variety evaluation trial was coordinated by the MPGA and conducted by the Agriculture and Agri-Food Canada (AAFC) Morden Research Station dry bean program. Due to the delayed harvest, this publication contains only data from the long season wide row trials, and the format may be different from what you see in the Manitoba Seed Guide.

Trial location and design

The evaluation 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 59 entries in the evaluation, separated into small- (navy, black), medium- (pinto, small red, pink, great northern), and large-seeded (cranberry, kidney). **Planting dates:** Winkler (May 28), Morden (June 3),

Portage (June 6), and Carman (June 12). **Harvest dates:** Winkler (September 15), Morden (September 24), Portage (September 24), Carman (October 13).

Is one variety better than another?

Look at the CV (Coefficient of Variation) and LSD (Least Significant Difference) that are printed within each trial. Coefficient of Variation is a measurement describing the amount of variation caused by factors unrelated with cultivars, such as un-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 all wide row edible bean trials the LSD represents the amount of beans (in lbs/acre) 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. For example, the Morden wide row small bean trial has an overall mean yield of 2768 lb/acre, a CV of 7%, and LSD of 245 lb/acre.

The low CV indicates the trial has very little experimental errors and the LSD indicates that varieties yields that vary by more than 240 lb/acre 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 see it in pairs with the checks, and in as many different settings and even years as possible. Some new cultivars or advanced breeding lines are included in the 2009 evaluation. But most entries have been tested in multiple years. The evaluation data from previous years are maintained and accessible at the MPGA website http://www.manitobapulse.ca/production-variety_results.htm.

We appreciate the hard work of the staff at Agriculture and Agri-Food Canada, Morden Research Station for conducting the Wide Row Screening Trials and providing crop yield, disease and seed quality data. In addition, we acknowledge the contributions of all the other contractors who plant, monitor and harvest the plots.

KEY – APPLICABLE TO ALL EDIBLE BEAN CHARTS

Agronomic Traits		Disease Traits
Yield	lb/acre	Field Rating:
Maturity	Number of days to when 90% of plants ready to combine	Bacterial Blight Severity (0–5)
Plant Type (1–3)	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
Plant Height	Plant height in cm, rated at maturity	Bacterial Blight Incidence – % leaf tissue infected
Lodging (1–5)	Rated at maturity 1 = upright 5 = flat on the ground	Anthraco-nose Incidence – % plant tissue infected
Pod Ht (> 5 cm)	% of pods above 5 cm from the ground	Rust Incidence – % plant tissue infected
Seed Weight	Grams per 1000 seeds	White Mould Incidence – % plant tissue infected
Seed Quality (1–5)	Based on size, shape, colour and wrinkle-free seed coat 1 = very good 5 = very poor	

KEY – APPLICABLE TO ALL CHARTS

CV	Coefficient of Variation. The statistical measure of random variation in a trial. CV less than 15% generally indicates more uniform trial and conclusive data.
LSD	Least Significant Difference. The amount (lb/acre or %) that two varieties must differ before it can be said with a 95% chance of certainty that a true difference exists.
Check	Cultivar used in a trial as standard for statistical comparison. Selected based on popularity or superior performance of a cultivar in a market class.

2009 WIDE ROW SCREENING TRIAL – SMALL SEED SIZE

Morden

MARKET CLASS/Variety	Yield lb/acre	Days to Maturity	Plant Type 1–3	Ht cm	Ldg 1–5	Pod Ht %>5cm	CBB Sever 0–5	CBB Incid %	Anth Incid %	Rust %	WM Incid %	TKW g	Qual 1–5
NAVY													
Envoy	2334	106	1	37	1.3	85	3	27	0	0	2	203	1.3
AC Cruiser	2550	105	2a	62	1.3	87	3	20	0	0	0	195	2.0
Galley	2465	106	2a	62	1.3	88	3	30	0	0	2	222	2.7
Cargo	2447	105	1	40	2.0	87	3	27	0	0	3	203	2.0
Lightning	2947	105	2a	48	1.0	93	3	25	0	0	0	208	2.7
H96204	2909	105	1	40	1.0	93	3	8	0	0	0	202	2.0
H96048	3225	106	2a	58	1.3	93	3	8	0	0	1	200	1.3
DJ091010	2647	105	1	53	1.3	80	3	20	0	0	2	157	1.3
HY4181	2882	107	2a	78	2.0	83	3	20	0	0	3	194	2.0
HR177	2768	107	1	45	1.3	88	3	28	0	0	0	197	2.0
GTS 549	2318	105	1	42	1.7	82	3	18	0	0	1	211	1.0
N252185	3180	106	1	53	2.3	77	3	27	0	0	4	171	1.3
OAC 05-1	2169	103	1	42	1.3	88	3	33	0	0	6	182	2.7
T9903	2540	105	1	57	1.3	85	3	20	0	0	1	200	1.7
T9905	3320	105	1	50	1.7	83	3	27	0	0	0	196	2.0
T10601	2866	106	1	48	2.0	85	3	20	0	0	3	211	2.0
2098	2938	106	1	55	1.0	95	3	25	0	0	1	184	2.7
5061	2640	104	1	45	1.3	90	3	22	0	0	0	194	2.7
Mean	2730	105	–	51	1.5	87	3	23	0	0	2	196	2.0
BLACK													
CDC Jet	2376	105	1	53	1.0	83	3	20	0	0	0	197	2.0
Black Violet	2868	107	1	48	1.3	92	3	17	0	0	3	197	2.7
Eclipse	3149	105	1	52	1.0	95	3	27	0	0	1	196	1.3
Shania	2652	106	1	47	1.0	93	3	25	0	0.7	1	185	2.0
BK04-001	3301	107	1	45	1.0	90	3	23	0	0	3	236	1.7
BK05-009	2660	106	1	40	1.0	95	3	23	0	0	1	210	3.0
5222	2924	108	2a	50	2.0	85	3	28	0	0	4	215	3.0
5226	2523	103	2a	48	1.0	93	3	22	0	0	0	188	3.7
6252	3115	109	1	57	2.0	88	3	27	0	0	1	196	2.0
8580963	2787	105	2a	42	1.0	88	3	22	0	0	4	210	2.7
Mean	2836	106	–	48	1.2	90	3	23	0	0	2	203	2.4
Overall Trial Mean	2768	106	–	50	1.4	88	3	23	0	0	2	199	2.1
CV%	7												
LSD	245												

Winkler

MARKET CLASS/Variety	Yield lb/acre	Days to Maturity	Plant Type 1–3	Ht cm	Ldg 1–5	Pod Ht %>5cm	CBB Sever 0–5	CBB Incid %	Anth Incid %	Rust %	WM Incid %	TKW g	Qual 1–5
NAVY													
Envoy	1593	111	1	57	3.0	72	3	33	0	0	60	163	1.0
AC Cruiser	2910	112	2a	77	1.7	87	3	33	0	0	47	183	2.0
Galley	2655	111	2a	75	1.0	88	3	27	0	0	33	201	3.3
Cargo	2244	111	1	45	2.3	73	3	33	0	0	60	171	2.0
Lightning	3002	115	1	70	2.0	87	3	37	0	0	14	201	3.3
H96204	2423	108	1	72	1.0	93	3	10	0	0	27	185	2.3
H96048	3156	113	2a	57	2.0	87	3	10	0	0	47	197	2.3
DJ091010	1895	111	2a	92	3.3	72	3	28	0	0	60	145	3.7
HY4181	2377	112	1	55	3.3	70	3	18	0	0	53	193	3.7
HR177	3175	114	2a	85	1.7	88	3	33	0	0	32	196	2.3
GTS 549	2065	114	1	65	2.3	73	3	17	0	0	48	199	3.3
N252185	1854	113	1	62	3.3	67	3	30	0	0	60	159	2.0
OAC 05-1	2117	100	1	53	1.3	78	3	30	0	0	53	159	3.3
T9903	2374	112	1	70	2.7	77	3	25	0	0	57	196	2.0
T9905	2871	113	1	83	2.0	83	3	33	0	0	47	190	2.3
T10601	2834	112	1	70	2.0	85	3	32	0	3.3	38	205	1.7
2098	2223	111	1	75	2.7	83	3	37	0	0	58	179	3.3
5061	2843	106	1	50	2.0	85	3	32	0	0	53	192	2.3
Mean	2478	111	–	67	2.2	80	3	28	0	0	47	184	2.6
BLACK													
CDC Jet	2338	112	1	72	2.0	87	3	27	0	0	57	196	1.3
Black Violet	2311	112	1	70	3.0	82	3	22	0	0	57	202	2.0
Eclipse	2594	112	1	72	1.3	95	3	33	0	0	60	189	2.0
Shania	2652	115	1	80	2.0	83	3	40	0	0	33	191	2.3
BK04-001	2701	110	1	70	1.0	95	3	27	0	0	47	213	2.0
BK05-009	2944	113	2a	62	1.3	92	3	30	0	0	37	205	2.7
5222	2579	113	2a	80	3.0	78	3	35	0	0	53	221	3.0
5226	2009	110	2a	73	2.0	80	3	25	0	0	60	197	2.7
6252	2511	115	1	82	2.7	85	3	30	0	0	43	196	2.7
8580963	1787	110	2a	70	1.7	88	3	30	0	0	60	183	2.0
Mean	2443	112	–	73	2.0	87	3	30	0	0	51	199	2.3
Overall Trial Mean	2466	111	–	69	2.1	83	3	28	0	0	48	190	2.5
CV%	7												
LSD	226												

Carman

MARKET CLASS/Variety	Yield lb/acre	Days to Maturity	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Anth Incid %	Rust %	WM Incid %	TKW g	Qual 1-5
NAVY													
Envoy	1171	105	1	40	2.0	73	3	25	0	0	18	179	1.7
AC Cruiser	2840	115	2a	50	1.7	72	3	7	0	0	7	202	2.3
Galley	2654	114	2a	47	2.0	83	3	20	0	0	7	201	2.7
Cargo	1185	106	1	45	2.0	80	3	23	0	0	22	174	1.7
Lightning	2834	111	1	50	1.3	85	3	7	0	0	3	193	2.7
H96204	2312	101	1	42	1.3	92	3	2	0	0	12	194	3.0
H96048	2560	112	2a	50	1.0	92	3	8	0	0	9	188	2.7
DJ091010	3004	110	2a	65	3.0	75	3	3	0	0	8	159	2.3
HY4181	2517	110	1	72	2.0	82	3	2	0	0	6	200	3.0
HR177	2533	113	2a	48	1.3	92	3	20	0	0	2	180	3.0
GTS 549	2374	111	1	52	2.0	73	3	3	0	0	8	208	3.3
N252185	2676	114	1	52	2.7	75	3	4	0	0	10	165	1.7
OAC 05-1	1630	99	1	43	1.0	92	3	30	0	0	37	169	3.3
T9903	2384	110	1	38	1.0	82	3	5	0	0	4	199	1.7
T9905	2657	107	1	45	1.7	93	3	4	0	0	2	190	2.0
T10601	2128	111	1	43	1.3	83	3	23	0	0	6	201	2.0
2098	1766	115	1	45	2.0	87	3	13	0	0	2	194	4.0
5061	2383	99	1	45	1.7	87	3	30	0	0	4	174	3.0
Mean	2311	109	-	48	1.7	83	3	13	0	0	9	187	2.6
BLACK													
CDC Jet	2892	109	1	42	1.7	88	3	6	0	0	13	197	2.0
Black Violet	2628	114	1	43	1.7	83	3	4	0	0	6	206	3.0
Eclipse	2748	110	1	48	1.3	93	3	3	0	0	6	190	1.3
Shania	2596	115	1	48	2.0	83	3	4	0	0	1	175	1.7
BK04-001	2090	106	1	43	1.3	90	3	6	13	0	8	215	1.7
BK05-009	2911	108	2a	48	1.0	92	3	2	0	0	9	205	2.0
5222	2257	114	2a	43	1.3	82	3	3	0	0	3	203	2.3
5226	1632	106	2a	50	1.3	80	3	8	0	0	15	184	4.0
6252	2934	112	1	47	2.0	93	3	2	0	0	3	185	3.0
8580963	1730	108	2a	45	1.3	90	3	4	0	0	27	202	2.3
Mean	2442	110	-	46	1.5	87	3	4	1.3	0	9	196	2.3
Overall Trial Mean	2358	109	-	47	1.6	85	3	10	0.5	0	9	190	2.5
CV%	6												
LSD	180												

Portage

MARKET CLASS/Variety	Yield lb/acre	Days to Maturity	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Anth Incid %	Rust %	WM Incid %	TKW g	Qual 1-5
NAVY													
Envoy	1810	105	1	45	3.0	73	3	6	0	0	35	165	1.7
AC Cruiser	2478	107	2a	67	2.3	87	3	16	0	0	23	168	1.3
Galley	2509	106	2a	58	2.3	87	3	21	0	0	22	184	2.0
Cargo	1970	106	1	43	2.3	75	3	16	0	0	33	168	1.0
Lightning	2937	106	1	65	2.3	90	3	7	0	0	12	183	2.0
H96204	2597	105	1	60	1.3	90	3	6	0	0	25	178	2.0
H96048	2490	108	2a	57	2.7	85	3	5	0	0	18	178	2.0
DJ091010	2168	107	2a	50	3.0	73	3	10	0	0	42	154	2.7
HY4181	2439	109	1	57	3.0	78	3	6	0	0	20	191	3.3
HR177	3230	111	2a	62	2.7	88	3	8	0	0	33	175	2.0
GTS 549	2220	106	1	52	3.3	73	3	5	0	0	25	184	1.3
N252185	2624	105	1	55	4.0	72	3	7	0	0	36	150	2.3
OAC 05-1	2125	102	1	52	3.3	80	3	13	0	0	43	154	4.0
T9903	2374	106	1	58	2.3	83	3	16	0	0	35	173	2.3
T9905	3485	111	1	67	2.3	82	3	6	0	0	27	196	1.7
T10601	2096	105	1	60	3.0	85	3	20	0	0	40	170	1.0
2098	2254	109	1	65	1.7	83	3	33	0	0	5	175	3.0
5061	2970	105	1	55	3.0	87	3	28	0	0	15	179	2.0
Mean	2488	107	-	57	2.7	82	3	13	0	0	27	174	2.1
BLACK													
CDC Jet	2657	106	1	68	2.7	85	3	8	0	0	22	195	1.7
Black Violet	2152	104	1	63	2.3	83	3	13	0	0	40	197	2.7
Eclipse	2657	104	1	60	1.7	93	3	13	0	0	20	183	2.0
Shania	2409	106	1	68	2.7	85	3	16	0	0	21	180	2.0
BK04-001	2171	105	1	57	1.7	93	3	13	0	0	52	208	1.7
BK05-009	3089	105	2a	62	2.0	93	3	8	0	0	10	203	1.7
5222	2287	107	2a	62	2.7	80	3	17	0	0	37	214	1.7
5226	2226	104	2a	62	2.3	83	3	15	0	0	25	194	3.0
6252	2442	109	1	78	2.3	83	3	4	0	0	21	190	1.3
8580963	1396	103	2a	62	2.0	87	3	8	0	0	42	178	1.3
Mean	2349	105	-	64	2.2	87	3	12	0.0	0	29	194	1.9
Overall Trial Mean	2438	106	-	60	2.5	83	3	12	0.0	0	28	181	2.0
CV%	17												
LSD	550												

2009 WIDE ROW SCREENING TRIAL – MEDIUM SEED SIZE

Morden

MARKET CLASS/Variety	Yield lb/acre	Days to Maturity	Plant Type 1–3	Ht cm	Ldg 1–5	Pod Ht %>5cm	CBB Sever 0–5	CBB Incid %	Anth Incid %	Rust %	WM Incid %	TKW g	Qual 1–5
PINTO													
Maverick	2521	102	2b	58	2.0	82	3	15	0	0	0	385	2.0
Pintoba	2067	101	2b	68	2.0	83	3	15	0	0	1	380	3.3
Winmor	1825	103	2a	70	2.0	85	3	13	0	0	1	384	3.0
Windbreaker	1941	104	1	65	2.0	82	3	12	0	0	1	377	2.7
Island	1928	102	2a	62	1.0	83	3	22	0	0	0	362	2.0
Mariah	2223	100	1	42	1.0	87	3	15	0	0	3	371	2.3
Medicine Hat	1958	102	2a	38	1.0	87	3	20	0	0	1	382	3.0
Stampede	2357	105	1	58	1.0	92	3	20	0	0	2	349	2.7
ND-307	2357	105	2a	60	2.0	87	3	20	0	0	2	411	3.0
P239222	2226	102	2a	38	1.7	83	3	16	0	0	0	390	2.7
P35161	2339	100	2a	38	1.7	82	3	20	0	0	4	365	3.7
1223	2302	101	2a	48	1.0	92	3	20	0	0	2	347	3.3
6189	2484	104	2a	75	1.0	95	3	20	0	0	1	350	2.0
6203	2433	104	1	62	1.0	90	3	15	0	0	1	352	3.0
Mean	2212	103	–	56	1.5	86	3	17	0	0	1	372	2.8
SMALL RED													
AC Earlired	2198	101	1	38	2.0	82	3	22	0	0	1	326	2.3
SR05-008	1649	102	2a	42	2.0	87	3	20	0	0	1	376	2.0
GS780	1736	105	1	40	2.0	77	3	22	0	0	0	229	2.0
Mean	1861	103	–	40	2.0	82	3	21	0	0	1	310	2.1
PINK													
Pink Floyd	1977	103	2a	48	2.0	78	3	22	0	0	1	328	3.7
ROG 922	1739	104	2a	58	1.0	85	3	17	0	0	2	396	3.0
Mean	1858	104	–	53	1.5	82	3	20	0	0	1	362	3.4
GREAT NORTHERN													
Beryl R	2412	103	1	48	1.7	80	3	15	0	0	0	393	4.0
Gemini	2116	104	2a	47	2.0	82	3	18	0	0	0	345	3.0
99118	2518	106	2a	68	2.0	82	3	15	0	0	0	340	3.3
99136	2198	104	1	58	1.0	88	3	22	0	0	4	375	2.7
Mean	2311	104	–	55	1.7	83	3	18	0	0	1	363	3.3
Overall Trial Mean	2152	103	–	53	2	85	3	18	0	0	1	361	2.8
CV%	7												
LSD	218												

Winkler

MARKET CLASS/Variety	Yield lb/acre	Days to Maturity	Plant Type 1–3	Ht cm	Ldg 1–5	Pod Ht %>5cm	CBB Sever 0–5	CBB Incid %	Anth Incid %	Rust %	WM Incid %	TKW g	Qual 1–5
PINTO													
Maverick	2116	104	2b	85	2.3	65	3	30	0	0	53	341	2.3
Pintoba	2354	102	2b	97	2.3	80	X	X	0	X	60	313	2.7
Winmor	2211	101	2a	90	2.7	78	X	X	0	X	50	298	3.0
Windbreaker	2523	107	1	72	3.0	70	3	25	0	0	53	319	2.7
Island	2056	100	2a	98	2.3	78	3	28	0	0	45	301	2.7
Mariah	1709	104	2a	83	2.3	72	X	X	0	X	52	283	2.7
Medicine Hat	2372	102	2a	82	2.3	77	3	25	0	0	45	315	2.3
Stampede	1801	102	2a	78	1.7	73	3	18	0	0	48	291	3.0
ND-307	1880	103	2a	82	1.7	72	3	25	0	0	53	334	3.0
P239222	1544	104	2b	87	2.7	70	3	22	0	0	60	289	2.3
P35161	1296	103	1	72	3.3	73	3	25	0	0	58	253	3.3
1223	2095	103	2a	82	1.7	82	X	X	0	X	55	272	3.7
6189	2546	108	2a	103	2.0	78	3	23	0	0	58	311	3.3
6203	2183	107	1	95	1.3	73	3	25	0	0	53	316	4.0
Mean	2049	104	–	86	2.3	74	3	25	0	0	53	303	2.9
SMALL RED													
AC Earlired	1915	97	1	43	2.7	73	X	X	0	X	55	262	3.0
SR05-008	1843	102	2a	65	2.3	70	3	27	0	0	55	303	2.3
GS780	2077	107	1	55	4.0	63	3	25	0	0	42	213	2.3
Mean	1945	102	–	54	3.0	69	3	26	0	0	51	259	2.5
PINK													
Pink Floyd	2032	102	2b	72	3.7	60	X	X	0	X	57	296	3.7
ROG 922	2225	102	2b	88	2.0	80	3	28	0	0	50	349	3.3
Mean	2128	102	–	80	2.9	70	3	28	0	0	54	323	3.5
GREAT NORTHERN													
Beryl R	2189	102	2a	77	2.7	68	3	23	0	0	60	250	3.0
Gemini	2031	106	2a	87	3.0	63	3	20	0	0	42	288	3.3
99118	2210	106	1	90	1.0	87	3	28	0	0	56	301	3.3
99136	2484	104	2b	85	1.7	77	3	25	0	0	52	360	2.0
Mean	2228	105	–	85	2.1	74	3	24	0	0	53	300	2.9
Overall Trial Mean	2074	103	–	81	2.4	73	3	25	0	0	53	298	2.9
CV%	7												
LSD	197												

X – not enough leaves to rate

Carman

MARKET CLASS/Variety	Yield lb/acre	Days to Maturity	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Anth Incid %	Rust %	WM Incid %	TKW g	Qual 1-5
PINTO													
Maverick	2144	110	2b	70	3.0	65	3	8	0	0	14	350	2.7
Pintoba	2555	110	2b	87	3.0	67	3	10	0	0	14	362	3.3
Winmor	1697	107	2a	67	3.0	68	3	11	0	0	13	345	3.3
Windbreaker	2587	107	1	72	2.3	67	3	3	0	0	17	343	2.7
Island	1734	102	2a	79	2.3	77	3	7	0	0.3	32	336	2.7
Mariah	1806	101	1	48	2.0	80	3	6	0	0	31	318	2.7
Medicine Hat	2041	101	2a	55	2.0	75	3	7	0	0	8	361	3.0
Stampede	1509	112	1	57	1.3	68	3	7	0	0	23	329	3.7
ND-307	2263	115	2a	65	2.0	65	3	3	0	0	23	370	3.7
P239222	1864	112	2a	49	3.0	65	3	4	0	0	17	341	3.3
P35161	1404	107	2a	43	3.0	67	3	8	0	0	28	283	3.0
1223	1921	103	2a	68	2.3	68	3	8	0	0	29	298	3.3
6189	2447	114	2a	80	2.7	68	3	4	0	0	16	319	4.3
6203	2134	115	1	58	2.0	83	3	8	0	0	6	354	4.3
Mean	2008	108	-	64	2.4	70	3	7	0	0	19	336	3.3
SMALL RED													
AC Earlired	1359	101	1	42	2.0	70	3	9	0	0	27	281	2.7
SR05-008	1623	101	2a	67	2.3	73	3	6	0	0	28	320	2.7
GS780	1894	115	1	38	3.0	65	3	5	0	0	9	216	2.7
Mean	1625	106	-	49	2.4	69	3	7	0	0	21	272	2.7
PINK													
Pink Floyd	2082	101	2a	62	3.0	68	3	10	0	0	8	307	4.0
R0G 922	1830	107	2a	67	2.3	67	3	11	0	0	8	366	2.3
Mean	1956	104	-	65	2.7	68	3	11	0	0	8	337	3.2
GREAT NORTHERN													
Beryl R	1919	102	1	78	2.7	63	3	5	0	0	14	271	2.7
Gemini	1831	100	2a	57	2.3	68	3	10	0	0	8	305	3.0
99118	2056	116	2a	70	2.3	70	3	10	0	0	3	332	2.3
99136	2169	111	1	68	2.0	68	3	7	0	0	11	358	2.7
Mean	1994	107	-	68	2.3	67	3	8	0	0	9	317	2.7
Overall Trial Mean	1951	107	-	63	2.4	69	3	7	0	0	17	325	3.1
CV%	7												
LSD	188												

Portage

MARKET CLASS/Variety	Yield lb/acre	Days to Maturity	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Anth Incid %	Rust %	WM Incid %	TKW g	Qual 1-5
PINTO													
Maverick	-	104	2b	57	4.0	67	3	5	0	0	14	332	1.3
Pintoba	-	104	2b	51	3.3	77	3	7	0	0	41	311	2.7
Winmor	-	102	2a	57	2.7	77	3	14	0	0.3	33	314	1.7
Windbreaker	-	104	1	54	4.3	67	3	2	0	0	28	308	1.3
Island	-	102	2a	58	3.0	77	3	17	0	0	41	297	1.7
Mariah	-	102	1	57	3.0	73	3	3	0	0	27	335	2.3
Medicine Hat	-	102	2a	54	2.7	75	3	15	0	0	25	332	2.0
Stampede	-	105	1	52	2.3	77	3	4	0	0	30	289	2.0
ND-307	-	105	2a	61	3.3	73	3	7	0	0	40	322	2.0
P239222	-	102	2a	59	3.0	68	3	7	0	0	37	308	1.7
P35161	-	102	2a	47	3.7	78	3	6	0	0	33	268	2.7
1223	-	102	2a	60	1.0	82	3	4	0	0	23	289	2.3
6189	-	105	2a	65	2.7	82	3	4	0	0	30	319	2.0
6203	-	103	1	71	1.7	72	3	4	0	0	30	332	2.3
Mean	-	103	-	57	2.9	75	3	7	0	0	31	311	2.0
SMALL RED													
AC Earlired	-	102	1	46	3.0	72	3	4	0	0	33	281	2.3
SR05-008	-	102	2a	53	3.7	75	3	12	0	0	47	278	2.0
GS780	-	106	1	56	4.3	63	3	3	0	0	15	220	1.7
Mean	-	103	-	52	3.7	70	3	6	0	0	32	260	2.0
PINK													
Pink Floyd	-	103	2a	47	4.3	63	3	17	0	0	30	296	3.0
R0G 922	-	102	2a	61	2.0	80	3	14	0	0	32	314	2.3
Mean	-	103	-	54	3.2	72	3	16	0	0	31	305	2.7
GREAT NORTHERN													
Beryl R	-	105	1	47	4.0	70	3	9	0	0	47	249	2.7
Gemini	-	103	2a	49	4.0	65	3	7	0	0	19	254	3.0
99118	-	107	2a	69	3.0	83	3	7	0	0	22	321	1.7
99136	-	106	1	58	2.7	77	3	14	0	0	15	345	2.3
Mean	-	105	-	56	3.4	74	3	9	0	0	26	292	2.4
Overall Trial Mean	-	103	-	56	3.1	74	3	8	0	0	30	301	2.1
CV%	-												
LSD	-												

2009 WIDE ROW SCREENING TRIAL – LARGE SEED SIZE

Morden

MARKET CLASS/Variety	Yield lb/acre	Days to Maturity	Plant Type 1–3	Ht cm	Ldg 1–5	Pod Ht %>5cm	CBB Sever 0–5	CBB Incid %	Anth Incid %	Rust %	WM Incid %	TKW g	Qual 1–5
CRANBERRY													
Cran 09	2014	103	1	37	1.7	77	3	28	0	0	0	523	3.7
Etna	1481	104	1	38	1.3	77	3	27	0	0	0	584	2.7
BD1003	2026	105	1	42	1.3	82	3	25	0	0	0	594	2.3
Mean	1841	104	–	39	1.4	79	3	27	0	0	0	567	2.9
LIGHT KIDNEY													
Pink Panther	1559	103	1	40	1.0	87	3	30	0	0	0	593	2.0
Foxfire	1605	102	1	40	1.0	88	3	23	0	0	0	517	2.3
Mean	1582	103	–	40	1.0	88	3	27	0	0	0	555	2.2
WHITE/DARK KIDNEY													
GTS 402	2149	103	1	45	1.0	85	3	27	0	0	0	484	2.3
GTS 401	1910	106	1	43	1.3	85	3	27	0	0	0	452	2.3
ROG 802 (DK)	1593	103	1	42	1.0	85	3	27	0	0	0	514	2.0
Mean	1884	104	–	43	1.1	85	3	27	0	0	0	483	2.2
Overall Trial Mean	1792	104	–	41	1.2	83	3	27	0	0	0	533	2.5
CV%	6												
LSD	147												

Winkler

MARKET CLASS/Variety	Yield lb/acre	Days to Maturity	Plant Type 1–3	Ht cm	Ldg 1–5	Pod Ht %>5cm	CBB Sever 0–5	CBB Incid %	Anth Incid %	Rust %	WM Incid %	TKW g	Qual 1–5
CRANBERRY													
Cran 09	1958	109	1	62	1.7	80	3	23	0	0	49	465	3.7
Etna	1998	107	1	63	1.7	80	3	28	0	0	83	573	3.0
BD1003	1931	110	1	60	2.3	80	3	20	0	0	43	596	3.3
Mean	1962	109	–	62	1.9	80	3	24	0	0	58	545	3.3
LIGHT KIDNEY													
Pink Panther	2664	109	1	63	1.3	82	3	28	0	0	28	630	3.3
Foxfire	2654	108	1	62	1.3	80	3	28	0	0	23	567	2.3
Mean	2659	109	–	63	1.3	81	3	28	0	0	26	599	2.8
WHITE/DARK KIDNEY													
GTS 402	1772	109	1	60	1.3	82	3	30	0	0	40	490	3.3
GTS 401	1833	105	1	63	1.7	80	3	27	0	0	18	464	3.3
ROG 802 (DK)	2028	108	1	63	2.3	77	3	35	0	0	20	511	2.3
Mean	1877	107	–	62	1.8	80	3	31	0	0	26.0	488	3.0
Overall Trial Mean	2105	108	–	62	1.7	80	3	27	0	0	38	537	3.1
CV%	6												
LSD	175												

Carman

MARKET CLASS/Variety	Yield lb/acre	Days to Maturity	Plant Type 1–3	Ht cm	Ldg 1–5	Pod Ht %>5cm	CBB Sever 0–5	CBB Incid %	Anth Incid %	Rust %	WM Incid %	TKW g	Qual 1–5
CRANBERRY													
Cran 09	1100	108	1	43	2.0	70	4	32	0	0	17	472	3.7
Etna	1042	110	1	37	1.0	70	4	33	0	0	9	549	3.0
BD1003	1612	114	1	40	3.0	70	3	5	0	0	5	602	2.7
Mean	1251	111	–	40	2.0	70	3	23	0	0	10	541	3.1
LIGHT KIDNEY													
Pink Panther	1667	111	1	42	2.0	80	3	12	0	0	5	652	2.7
Foxfire	1776	109	1	42	1.0	70	3	32	0	0	6	550	2.3
Mean	1722	110	–	42	1.5	75	3	22	0	0	6	601	2.5
WHITE/DARK KIDNEY													
GTS 402	1112	114	1	45	1.0	73	3	15	0	0	22	442	3.3
GTS 401	1462	110	1	45	2.0	70	3	2	0	0	6	449	2.3
ROG 802 (DK)	1670	110	1	47	1.3	70	3	15	0	0	8	496	2.0
Mean	1415	111	–	46	1.4	71	3	11	0	0	12	462	2.5
Overall Trial Mean	1430	111	–	43	1.7	72	3	18	0	0	10	527	2.8
CV%	7												
LSD	144												

LARGE SEED SIZE continued

Portage

MARKET CLASS/Variety	Yield lb/acre	Days to Maturity	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Anth Incid %	Rust %	WM Incid %	TKW g	Qual 1-5
CRANBERRY													
Cran 09	2104	103	1	48	2.7	75	3	33	0	0	27	519	3.0
Etna	2229	105	1	45	1.7	72	3	27	0	0	12	548	2.7
BD1003	2192	105	1	52	2.7	78	3	2	0	0	32	553	3.3
Mean	2175	104	-	48	2.4	75	3	21	0	0	24	540	3.0
LIGHT KIDNEY													
Pink Panther	2692	106	1	48	1.3	82	3	7	0	0	14	561	3.3
Foxfire	2838	104	1	55	1.3	87	3	8	0	0	7	533	2.7
Mean	2765	105	-	52	1.3	85	3	8	0	0	11	547	3.0
WHITE/DARK KIDNEY													
GTS 402	2235	103	1	43	2.3	83	3	18	0	0	17	493	2.7
GTS 401	2532	106	1	50	2.7	83	3	2	0	0	7	434	1.7
R0G 802 (DK)	1965	104	1	48	1.7	85	3	5	0	0	9	503	1.7
Mean	2244	104	-	47	2.2	84	3	8	0	0	11	477	2.0
Overall Trial Mean	2348	105	-	49	2.1	81	3	13	0	0	16	518	2.6
CV%	15												
LSD	517												

See page 8 for Summary of Long Season Wide Row Dry Bean Regional Trials

2009 DRY BEAN REGIONAL NARROW ROW – THORNHILL

MARKET CLASS/Variety	Yield lb/acre	Days to Maturity	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Anth Incid %	Rust %	WM Incid %	TKW g	Qual 1-5
NAVY													
Envoy	627	103	1	43	1.0	73	3	22	0	2	1	186	2.7
OAC 05-1	1207	109	1	37	2.0	63	3	23	0	10	3	174	3.0
OAC Lightning	461	109	2a	40	2.0	72	3	20	0	0	5	187	3.7
Skyline	432	108	1	30	1.0	65	3	18	0	0	4	184	2.0
H96204	1049	107	1	40	1.3	77	3	20	0	0	1	190	3.3
Mean	755	107	-	38	1.5	70	3	21	0	2	3	184	2.9
BLACK													
CDC Jet	2393	105	2a	45	2.0	73	3	17	0	0	1	191	2.0
BK05-009	2659	106	1	42	1.0	83	3	25	0	11	2	202	2.7
1681a-6	2142	109	1	43	1.7	78	3	22	0	0	10	211	2.3
Mean	2398	107	-	43	1.6	78	3	21	0	4	4	201	2.3
PINTO													
CDC Pintium	1784	107	1	43	1.3	67	3	25	0	0	12	378	3.3
AC Ole	2823	108	2a	63	2.0	62	3	15	0	0	5	355	3.7
Island	2023	110	2a	70	2.0	67	3	22	0	0	2	363	3.0
Winmor	2453	109	2b	68	2.3	67	3	22	0	0	6	370	3.3
Winchester	2695	110	2a	58	2.3	70	3	22	0	0	1	363	3.0
CDC WM-2	1906	110	2a	53	1.7	70	3	13	0	2	3	370	3.0
CDC WM-1	1829	108	2a	43	2.0	72	3	17	0	0	12	333	3.7
Mean	2216	109	-	57	1.9	68	3	19	0	0	6	362	3.3
GREAT NORTHERN													
1702-17	2103	108	1	67	2.0	75	3	22	0	3	4	345	3.3
Overall Trial Mean	1787	108	-	49	1.7	71	3	20	0	1.8	5	275	3.0
CV%	7												
LSD	177												

SUMMARY – 2009 LONG SEASON WIDE ROW DRY BEAN REGIONAL TRIALS

MARKET CLASS/Variety	Yield lb/acre	Days to Maturity	Plant Type 1–3	Ht cm	Ldg 1–5	Pod Ht %>5cm	CBB Sever 0–5	CBB Incid %	Anth Incid %	Rust %	WM Incid %	TKW g	Qual 1–5
NAVY													
Envoy	1727	107	1	45	2.3	76	3	23	0	0	29	178	1.4
AC Cruiser	2695	110	2a	64	1.8	83	3	19	0	0	19	187	1.9
Galley	2571	109	2a	61	1.7	87	3	25	0	0	16	202	2.7
Cargo	1961	107	1	43	2.2	79	3	25	0	0	30	179	1.7
Lightning	2930	109	1	58	1.7	89	3	19	0	0	7	196	2.7
H96204	2560	105	1	54	1.2	92	3	7	0	0	16	190	2.3
H96048	2858	110	2a	56	1.8	89	3	8	0	0	19	191	2.1
DJ091010	2429	108	2a	65	2.7	75	3	15	0	0	28	154	2.5
HY4181	2554	110	1	66	2.6	78	3	12	0	0	21	195	3.0
HR177	2927	111	2a	60	1.8	89	3	22	0	0	17	187	2.3
GTS 549	2244	109	1	53	2.3	75	3	11	0	0	21	201	2.2
N252185	2583	110	1	56	3.1	73	3	17	0	0	28	161	1.8
OAC 05-1	2010	101	1	48	1.7	85	3	27	0	0	35	166	3.3
T9903	2418	108	1	56	1.8	82	3	17	0	0	24	192	1.9
T9905	3083	109	1	61	1.9	85	3	18	0	0	19	193	2.0
T10601	2481	109	1	55	2.1	85	3	24	0	0.8	22	197	1.7
2098	2295	110	1	60	1.9	87	3	27	0	0	17	183	3.3
5061	2709	104	1	49	2.0	87	3	28	0	0	18	185	2.5
BLACK													
CDC Jet	2566	108	1	59	1.9	86	3	15	0	0	23	196	1.8
Black Violet	2490	109	1	56	2.1	85	3	14	0	0	26	201	2.6
Eclipse	2787	108	1	58	1.3	94	3	19	0	0	22	190	1.7
Shania	2577	111	1	61	1.9	86	3	21	0	0.2	14	183	2.0
BK04-001	2566	107	1	54	1.3	92	3	17	3.2	0	27	218	1.8
BK05-009	2901	108	2a	53	1.3	93	3	16	0	0	14	206	2.4
5222	2512	111	2a	59	2.3	81	3	21	0	0	24	213	2.5
5226	2097	106	2a	58	1.7	84	3	18	0	0	25	191	3.4
6252	2750	111	1	66	2.3	87	3	16	0	0	17	192	2.3
8580963	1925	107	2a	55	1.5	88	3	16	0	0	33	193	2.1
PINTO													
Maverick	2521	102	2b	58	2.0	82	3	15	0	0	0	385	2.0
Pintoba	2067	101	2b	68	2.0	83	3	15	0	0	1	380	3.3
Winmor	1825	103	2a	70	2.0	85	3	13	0	0	1	384	3.0
Windbreaker	1941	104	1	65	2.0	82	3	12	0	0	1	377	2.7
Island	1928	102	2a	62	1.0	83	3	22	0	0	0	362	2.0
Mariah	2223	100	1	42	1.0	87	3	15	0	0	3	371	2.3
Medicine Hat	1958	102	2a	38	1.0	87	3	20	0	0	1	382	3.0
Stampede	2357	105	1	58	1.0	92	3	20	0	0	2	349	2.7
ND-307	2357	105	2a	60	2.0	87	3	20	0	0	2	411	3.0
P239222	2226	102	2a	38	1.7	83	3	16	0	0	0	390	2.7
P35161	2339	100	2a	38	1.7	82	3	20	0	0	4	365	3.7
1223	2302	101	2a	48	1.0	92	3	20	0	0	2	347	3.3
6189	2484	104	2a	75	1.0	95	3	20	0	0	1	350	2.0
6203	2433	104	1	62	1.0	90	3	15	0	0	1	352	3.0
SMALL RED													
AC Earlired	2198	101	1	38	2.0	82	3	22	0	0	1	326	2.3
SR05-008	1649	102	2a	42	2.0	87	3	20	0	0	1	376	2.0
GS780	1736	105	1	40	2.0	77	3	22	0	0	0	229	2.0
PINK													
Pink Floyd	1977	103	2a	48	2.0	78	3	22	0	0	1	328	3.7
ROG 922	1739	104	2a	58	1.0	85	3	17	0	0	2	396	3.0
GREAT NORTHERN													
Beryl R	2412	103	1	48	1.7	80	3	15	0	0	0	393	4.0
Gemini	2116	104	2a	47	2.0	82	3	18	0	0	0	345	3.0
99118	2518	106	2a	68	2.0	82	3	15	0	0	0	340	3.3
99136	2198	104	1	58	1.0	88	3	22	0	0	4	375	2.7
CRANBERRY													
Cran 09	2014	103	1	37	1.7	77	4	28	0	0	0	523	3.7
Etna	1481	104	1	38	1.3	77	4	27	0	0	0	584	2.7
BD1003	2026	105	1	42	1.3	82	3	25	0	0	0	594	2.3
LIGHT KIDNEY													
Pink Panther	1559	103	1	40	1.0	87	3	30	0	0	0	593	2.0
Foxfire	1605	102	1	40	1.0	88	3	23	0	0	0	517	2.3
WHITE/DARK KIDNEY													
GTS 402	2149	103	1	45	1.0	85	3	27	0	0	0	484	2.3
GTS 401	1910	106	1	43	1.3	85	3	27	0	0	0	452	2.3
ROG 802 (DK)	1593	103	1	42	1.0	85	3	27	0	0	0	514	2.0

LENTILS

New for 2010

Variety	Previous Code	Market Class	Special Note	Distributor	Seed Availability
CDC Imax CL	IBC-187	Medium red	Clearfield tolerant	Sask Pulse Growers	2010 – limited
CDC Imigreen CL	IBC-145	Medium green	Clearfield tolerant	Sask Pulse Growers	2010 – limited
CDC Impower CL	IBC-194	Large green	Clearfield tolerant	Sask Pulse Growers	2010 – limited
CDC Invincible CL	IBC-112	Small green	Clearfield tolerant	Sask Pulse Growers	2010 – limited
CDC Peridot CL	IBC-188	French green	Clearfield tolerant	Sask Pulse Growers	2010 – limited
CDC Redbow	1894T-1	Extra small red	–	Sask Pulse Growers	2010 – limited
CDC Redcoat	2154S-4	Small red	–	Sask Pulse Growers	2010 – limited
CDC Rosebud	1788S-4	Extra small red	–	Sask Pulse Growers	2010 – limited

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	Maturity Rating ¹	Resistance to ¹		Seed ¹ Weight (TKW)	Cotyledon Colour	2009 Yield: % of CDC Milestone			
				Ascochyta Blight	Anthraco- nose Race 1			Boissevain	Hamiota	Melita	Robin
Small green	CDC Invincible CL	91	Early	G	G	35	Yellow	82	105	87	73
	CDC Milestone	100	Early	G	VP	37	Yellow	100	100	100	100
Medium green	CDC Imigreen CL	76	Medium	G	F	63	Yellow	76	90	64	65
	CDC Impress CL	83	Medium	G	P	52	Yellow	73	84	92	73
Large green	CDC Greenland	85	Med/Late	G	VP	64	Yellow	86	76	79	71
	CDC Impower CL	70	Medium	G	P	74	Yellow	88	85	66	49
	CDC Improve CL	88	Medium	F	VP	67	Yellow	89	108	81	57
	CDC Plato	96	Med/Late	G	P	62	Yellow	95	66	84	42
French green	CDC Peridot CL	99	Early	G	P	40	Yellow	83	116	93	105
Extra small red	CDC Robin	101	Early	G	G	30	Red	93	85	95	87
	CDC Impala CL	102	Early	G	G	31	Red	83	103	76	107
	CDC Imperial CL	94	Early	G	G	30	Red	92	101	90	76
	CDC Redbow	105	Early/Med	G	G	42	Red	105	80	94	103
	CDC Rosebud	110	Early	G	G	29	Red	115	85	95	123
	CDC Rosetown	108	Early	G	G	31	Red	103	108	99	105
Small red	CDC Impact CL	92	Early	G	P	34	Red	70	83	82	92
	CDC Maxim CL	124	Early/Med	G	G	40	Red	127	120	102	117
	CDC Red Rider	91	Early/Med	G	F	45	Red	–	–	–	–
	CDC Redberry	113	Early/Med	G	G	42	Red	130	101	93	132
	CDC Redcoat	99	Early	G	G	40	Red	120	98	96	97
Medium red	CDC Imax CL	104	Medium	G	G	50	Red	104	127	93	82
CHECK CHARACTERISTICS						CDC Milestone (lb/acre)		2279	2762	3910	3286
CDC Milestone		2209 lb/acre					CV%	12.8	14.8	6.8	13.1
							LSD%	21	24	11	22
							Sign Diff	Yes	Yes	Yes	Yes

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

NATTO SOYBEANS

OAC Prudence is **not a natto type soybean**; it is used as a check to determine the yield potential of natto type soybeans compared to conventional soybeans.

VARIETY DESCRIPTIONS

Manitoba Variety Zone	Company Heat Unit	Variety	Relative Days to Maturity + / - of Check				Yield % Check	Site Years Tested	Lodging	Seeds/lb	IDC Rating	2009 Yield: % of OAC Prudence				
			Average	2009	2008	2007						Arborg	Stonewall	Homewood	Portage	St Adolphe
short season	2375	QGC 10N	-8	-8	-8	-7	78	35	2	5400	1.8	87	68	66	95	62
	2375	QGC 12N	-8	-8	-9	-7	77	35	2	5100	2.6	94	68	52	89	66
mid season	2475	OAC Prudence	0	0	0	0	100		1	2450	1.3	100	100	100	100	100
		OT07-02	-1		-1	–	80	8	1	4165						
late season	2550	AC Colibri	2		2	–	83	16	2	7100						
CHECK CHARACTERISTICS						OAC Prudence (bu/acre)		28	51	53	53	37				
OAC Prudence			120	125	122	114	47	35		CV%	14.8	4.5	8.2	5.6	7.4	
			days to maturity				bu/acre	site years		LSD%	26	8	14	9	13	
										Sign Diff	Yes	Yes	Yes	Yes	Yes	

ROUNDUP READY SOYBEANS

New for 2010

Variety	Previous Code	Distributor	Seed Availability
29002RR	29002RR	Quarry Grain Commodities	2010 – limited
29006RR	29001RR	Quarry Grain Commodities	2010 – limited
29008RR	29004RR	Quarry Grain Commodities	2010 – limited
30005RR	30005RR	Quarry Grain Commodities	2010 – limited
HS 005R04	T0504RR	Hyland Seeds	2010
HS 02R28	T54028RR	Hyland Seeds	2010
LS 0028RR	LS 0028RR	Quarry Grain Commodities	2010
NSC Carey RR	NSC 2703 RR	Northstar Genetics Manitoba	2010 – limited
OAC Peak	SeCan 05-109RR	SeCan	2010 – limited
S00-H7	XR00670	Univar	2010
S00-W3	XR00269	Univar	2010

VARIETY DESCRIPTIONS

Manitoba Variety Zone	Company Heat Unit	Variety	Relative Days to Maturity + / - of Check				Yield % Check	Site Years Tested	Hilum Colour	Relative Seeds/ lb	Lodging* 1-5	IDC	
			Average	2009	2008	2007						Rating 1- 5	Grouping
short season zone	2350	NSC Warren RR	-7	-5	-6	-10	90	23	BR	3663	1.2	2.1	Semi Tolerant
	2450	Apollo RR	-7	-4	-6	-10	88	23	BR	2390	1.2	1.9	Semi Tolerant
	2375	Drako RR	-5	-2	-5	-8	86	23	BR	2508	1.7	2.7	Susceptible
	2450	RR Rosco	-5	-4	-3	-8	87	20	IY	2800	1.2	3.1	Susceptible
	2400	IsisRR	-4	-2	-3	-7	94	23	BR	3450	1.2		
	2375	29002RR	-4	-3	-4		85	10	GR	3310	1.0		
mid season zone	2400	LS 0028RR	-2	-2	-2		96	10	BR	3800	1.0		
	2450	RR Regis	-2	-1	-1	-3	87	23	BR	2905	1.5	2.1	Semi Tolerant
	2425	LS 0036RR	-2	-1	-1	-4	97	26	BR	3800	1.0	1.5	Tolerant
	2450	S00-W3	-2	-1	-2		97	10	GR	3000	1.0		Susceptible
	2550	RR Russell	-2	-1	-2	-2	93	20	BR	2900	2.0	2.5	Susceptible
	2450	25-04 R	-1	0	1	-4	99	20	BR	2800	1.2	2.1	Semi Tolerant
	2450	Montcalm	-1	0	0	-2	88	23	IY	3219	1.0	2.9	Susceptible
	2525	S00-H7	-1	-1	0		91	10	GR	4200	1.2		Semi Tolerant
	2450	LS 0045RR	0	0	-1	0	91	23	BL	3200	1.0	2.0	Semi Tolerant
	2500	NSC Portage RR	0	0	0	0	100		BR	3749	1.2	1.9	Semi Tolerant
	2450	NSC Carey RR	1	2	-1		97	10	BR	3300	1.0		
	2450	90A06	1	3	2	-1	96	24	BU	3203	2.0	1.5	Tolerant
	2525	26006RR	1	1	1	2	94	23	BR	3200	1.0	1.7	Tolerant
	2425	PS 0027 RR	2	2			111	4	BL	2481	3.2		
	2450	27005RR	2	1	1	3	97	22	BR	3400	1.2	2.2	Semi Tolerant
	2450	26005RR	2	3	0	2	91	23	BL	3700	1.5	2.3	Susceptible
	2475	LS 0065RR	2	1	2	2	101	23	BL	3400	1.3	2.0	Semi Tolerant
	2500	PRO 2515R	2	2			106	4	IB	5900	1.5		
	2550	NSC 2011 RR	2	2	1	3	94	23	BL	4063	1.0	1.9	Semi Tolerant
	2550	NSC 2007 RR	3	3	1	4	93	23	GR	3922	1.7	1.9	Semi Tolerant
2500	90M01	3	6	5	-1	96	20	Y	2953	1.0	1.6	Tolerant	
2550	NSC Coulee RR	3	4	2	4	100	23	BR	3191	1.0	2.0	Semi Tolerant	
2500	HS 005R04	3	4		2	96	10	BR	3300	1.0			
Experimental lines that have been supported for registration in Canada													
		NSC 2701 RR	-2	-1	-3		93	23		3618	1.0		
		NSC 2707 RR	-2	-2	0	-3	102	16	BR	2628	1.5		
long season zone	2475	OlexRR	4	5	1	5	94	23	BR	2508	2.2	2.9	Susceptible
	2425	24-52 R	4	4	4		98	10	BL	2250	1.0		
	2550	OAC Peak	6	5	5	7	98	23	BR	2472	1.2		
	2525	30005RR	6	6	6		107	10	GR	3250	1.8		
	2650	PS 46 RR	7	7	6	7	92	20	IB	2777	1.0	3.2	Susceptible
	2575	HS 02R28	7	8	6		97	10	BR	2900	1.7		
	2500	29006RR	8	9	6		98	10	BL	3341	2.5		
2550	29008RR	9	9	8		103	10	BL	3171	2.2			
2650	LynxRR**	9	12	7	8	99	23	BR	2624	1.5	3.3	Susceptible	
Experimental lines that have been supported for registration in Canada													
		CFS203RR	4	5	3	3	102	23	BR	2785	1.2		

CHECK CHARACTERISTICS

NSC Portage RR	121	122	121	120	53	29	BR	3749
	days to maturity				bu/acre	site years	Hilum	seeds/lb

* Lodging rating from Homewood 2009 location only

** Variety did not fully mature at 1 or more sites

YIELD BY LOCATION – ROUNDUP READY SOYBEANS

2009 Yield: % of NSC Portage RR

Manitoba Variety Zone	Variety	2009 Average Yield	Site Years Tested	2009 Yield: % of NSC Portage RR					
				Arborg	Stonewall	Homewood	Portage	Morden	Rosebank
short season zone	NSC Warren RR	97	4	116	101	87	94		
	Apollo RR	92	4	85	97	97	87		
	Drako RR	95	4	80	107	94	93		
	RR Rosco	94	4	92	96	98	89		
	IsisRR	101	4	116	112	89	95		
	29002RR	83	4	96	83	75	82		
mid season zone	LS 0028RR	97	4	96	99	86	104		
	RR Regis	90	4	93	91	95	83		
	LS 0036RR	93	6	103	93	89	99	95	84
	S00-W3	102	4	117	105	92	99		
	RR Russell	91	4	85	94	102	81		
	25-04 R	103	6	116	112	112	96	89	106
	Montcalm	86	4			95	88	81	82
	S00-H7	92	4			101	94	90	85
	LS 0045RR	88	4			94	93	85	84
	NSC Portage RR	100	6	100	100	100	100	100	100
	NSC Carey RR	97	4	89	105	98	93		
	90A06	95	6	98	97	96	101	85	97
	26006RR	88	4			87	98	85	84
	PS 0027 RR	111	4	127	109	118	100		
	27005RR	92	4			84	96	96	88
	26005RR	85	4			85	93	80	84
	LS 0065RR	97	4			111	98	89	95
	PRO 2515R	106	4			115	98	100	115
	NSC 2011 RR	99	4	111	99	102	89		
	NSC 2007 RR	95	4	109	100	93	87		
	90M01	96	4			90	99	84	116
	NSC Coulee RR	93	4			103	99	86	89
	HS 005R04	90	4	86	92	80	97		
Experimental lines that have been supported for registration in Canada									
	NSC 2701 RR	92	4	111	100	70	94		
	NSC 2707 RR	108	4	108	112	106	105		
long season zone	OlexRR	92	4			114	90	85	85
	24-52 R	94	4			97	93	88	102
	OAC Peak	101	4			108	98	97	106
	30005RR	103	4			101	97	100	118
	PS 46 RR	93	4			113	91	81	93
	HS 02R28	92	4			101	96	80	99
	29006RR	95	4			98	97	85	107
	29008RR	99	4			103	96	94	106
	LynxRR	92	4			110	102	70	96
	Experimental lines that have been supported for registration in Canada								
	CFS203RR	99	4			102	99	100	95
CHECK YIELD		NSC Portage RR (bu/acre)		31	49	51	61	60	54
			CV%	11	9.1	9.0	5.6	7.3	7.0
			LSD%	17	15	15	9	12	12
			Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes

CONVENTIONAL SOYBEANS

Manitoba Variety Zone	Company Heat Unit	Variety	Relative Days to Maturity + / - of Check				Yield % Check	Site Years Tested	Hilum* Colour	Relative Seeds/lb	Seed ¹ Protein	Lodging* 1-5	IDC		
			Average	2009	2008	2007							Rating 1-5	Grouping	
short season zone	2375	Tundra	-7	-7	-6	-7	92	23	IY	2522	Normal	1.0	1.3	Tolerant	
		GS 1001	-6	-8			81	16	IY	2450	Normal	1.2			
	Experimental lines are being tested/proposed for registration in Canada														
			OT08-04	-7	-7			85	5	Y	3000	Normal	1.0		
			OT08-05	-3	-3			86	5	Y	4300	Medium	2.0		
mid season zone	2450	OAC Prudence	0	0	0	0	100		Y	2454	Normal	1.3	1.3	Tolerant	
	Experimental lines are being tested/proposed for registration in Canada														
			OAC 07-06C	3	3			88	5	IY	3209	Normal	1.7		
			OAC 05-02	1	1			102	17	IY	3374	Normal	1.3		
			Secan 07-01C	2	2			104	5	IY	2718	Medium	1.5		
			CFS08.3.00	3	3			110	5	IY	2102		1.7		
long season zone		OAC 07-03C	3	3	-3		96	10	IY	2350	High		2.1	Semi Tolerant	
	2575	QGC 16T	5	3	3	14	93	17	Y	3000	High	2.2	2.3	Susceptible	
		OAC Erin	7		4	8	112	30	Y	3300	Normal		2.1	Semi Tolerant	
	Experimental lines are being tested/proposed for registration in Canada														
			OT06-08	4	4	4	3	101	17	Y	2026	Normal	2.7		
			OT05-18	5	2	4	10	110	17	IY	2454	Normal	2.2	1.5	Tolerant
			OT07-04	6	6			94	5	Y	2083	High	2.0		
		Secan 08-01C**	6	6			112	5	IY	2543		2.2			
		S184040**	7	7			112	5	IY	2400		3.3			

CHECK CHARACTERISTICS

OAC Prudence	121	125	121	116	49	63	Y	2454
	days to maturity				bu/acre	site years		seeds/lb

¹ On a whole seed content, Seed Protein in normal soybeans can range from 36% to 42%. Lower protein is usually an indication of poor nodulation during the growing season. Normal type soybeans (most conventional and Roundup Ready soybeans currently grown in Manitoba) have a whole seed protein around 40%, mid-level types around 42.5% and high protein types around 45%.

* Lodging rating from Homewood 2009 location only

** Variety did not fully mature at 1 or more sites

YIELD BY LOCATION – CONVENTIONAL SOYBEANS

Manitoba Variety Zone	Variety	2009 Average Yield	Site Years Tested	2009 Yield: % of OAC Prudence							
				Arborg	Stonewall	Homewood	Portage	St Adolphe	Rosebank	Morden	
short season zone	Tundra	81	5	41	94	65	106	81			
	GS 1001	68	5	41	77	59	89	62			
	Experimental lines are being tested/proposed for registration in Canada										
		OT08-04	85	5	58	82	88	106	74		
mid season zone		OT08-05	86	5			100	73	88	83	
		OAC Prudence	100	7	100	100	100	100	100	100	
	Experimental lines are being tested/proposed for registration in Canada										
		OAC 07-06C	88	5			108	95	91	83	70
		OAC 05-02	88	5			95	99	88	86	77
		Secan 07-01C	104	5	128	95	116	97	91		
long season zone		CFS08.3.00	110	5			121	107	108	107	108
		OAC 07-03C	95	5			106	102	98	93	81
		QGC 16T	92	5			113	92	90	85	82
	Experimental lines are being tested/proposed for registration in Canada										
		OT06-08	102	5			112	101	97	100	98
		OT05-18	112	5			134	119	102	105	102
		OT07-04	94	5			99	103	86	99	85
	Secan 08-01C	112	5			123	116	108	110	103	
	S184040	112	5			124	107	122	109	103	
CHECK YIELD		OAC Prudence (bu/acre)		28	51	53	53	37	52	71	
			CV%	14.8	4.5	8.2	5.6	7.4	6.0	10.1	
			LSD%	26	8	14	9	13	10	17	
			Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

NOTES – APPLICABLE TO ROUNDUP READY AND CONVENTIONAL SOYBEAN CHARTS ONLY

MATURITY NOTES – always use more than one criteria to gauge 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 the southern Manitoba generally south of highway 23, with the mid-season grouping making up the bulk of the production area in between the short- and long-season area.
- 2 Company Crop Heat Unit ratings are assigned to assist growers 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 HU rating until they become registered.
- 3 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. For 2009, 2008 and 2007 the dtm have been calculated from four common sites (Portage, Homewood, St Adolphe, Morris) only. Because of this change, dtm numbers for 2009 and 2008 seasons may be slightly different than was published in previous seed guides which were based on all sites a variety was tested at. 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 and 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 plants/acre.

- 2 Hilum colour can range from Yellow (Y), Imperfect Yellow (IY), Grey (G), Brown (BR), Buff (BF) 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.
- 7 Soybeans are not eligible for MASC Production Insurance in all parts of the province – consult your local agent for more details.

WESTERN MANITOBA SOYBEAN ADAPTATION TRIAL

Soybeans do not qualify for MASC Production Insurance at Roblin or Hamiota.

VARIETY DESCRIPTIONS

Variety	Company Heat Unit	2009	Yield % Check	Site Years Tested	Lodging 1-5	2009 Yield: % RR Rosco					
						Wawanesa	Melita	Roblin	Boissevain	Hamiota	
NSC Warren RR	2350	-1	105	5	1	102	96	105	107	123	
Apollo RR	2450	0	93	5	2	86	94	96	92	108	
RR Rosco	2450	0	100	5	2	100	100	100	100	100	
NSC Argyle RR	2450	0	100	5	1	101	99	75	98	143	
IsisRR	2400	2	96	5	2	101	101	38	112	145	
Montcalm	2450	2	82	5	3	82	94	25	105	120	
LS 0036	2425	3	99	5	1	106	114	48	109	118	
RR Russell	2550	3	90	5	2	89	97	73	95	102	
LS 0028	2375	4	97	5	1	104	116	46	104	124	
25-04 R	2450	6	92	5	2	88	94	37	125	136	
24-52 R	2500	7	88	5	2	71	111	35	121	133	
90A06	2450	8	79	5	2	91	100	7	94	108	
CHECK CHARACTERISTICS						RR Rosco (bu/acre)	67	42	43	40	27
RR Rosco		127 days to maturity	43 bu/acre		CV%	13.4	7.7	8.5	13.4	8.1	
					LSD%	23	13	14	23	13	
					Sign Diff	Yes	Yes	Yes	Yes	Yes	

FIELD PEAS

New for 2010

Variety	Code	Type	Co-op Test Yield		Distributor	Seed Availability
			% Yellow CK	% Green CK		
CDC Treasure	CDC 1410-15	Yellow	108		Sask Pulse Growers	2012
<i>Varieties or lines being tested for the first time in 2009</i>						
	IN4188	Yellow	100			

NEW Check – For 2010, the Field Pea check has been changed from Eclipse to Cutlass.

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

VARIETY DESCRIPTIONS

Variety	Yield % Check	Site Years Tested	Maturity Rating	Vine Length	Seed Size	Resistance to							Seed Coat Breakage	Seed ³ Coat Dimpling
						Green ¹ Seed Coats	Lodging	Powdery Mildew	Mycos- phaerella Blight	Fusarium ² Wilt	Bleaching			
Yellow														
Agassiz	110	19	M	M	M	n/a	G	VG	F	F	n/a	G	n/a	
Canstar	105	18	E	M	M	n/a	G	VG	P	G	n/a	G	n/a	
CDC Bronco	92	21	M	M	M	G	G	VG	F	F	n/a	G	G	
CDC Centennial	107	16	E	M	L	F	F	VG	F	F	n/a	G	G	
CDC Golden	101	25	M	M	M	G	G	VG	F	F	n/a	G	G	
CDC Meadow	109	28	E	M	M	G	G	VG	F	F	n/a	G	G	
CDC Minuet	96	5	M	M	S	F	F	VG	F	F	n/a	F	G	
CDC Mozart	108	17	M	S	M	F	F	VG	F	F	n/a	G	G	
CDC Prosper	92	19	E	M	S	G	G	VG	F	G	n/a	G	F	
CDC Treasure	105	19	E	M	M	G	G	VG	F	G	n/a	F	F	
Cutlass	100		M	M	M	G	G	VG	F	F	n/a	F	F	
DS-Admiral	105	7	E	M	M	G	G	VG	F	F	n/a	G	G	
Eclipse	106	38	M	M	L	G	G	VG	F	F	n/a	G	F	
FUSION	99	18	M	M	L	n/a	G	VG	P	P	n/a	F	n/a	
Miser	96	6	M	M	S	G	F	VG	F	F	n/a	G	G	
Noble	94	12	M	M	L	n/a	G	VG	F	F	n/a	F	n/a	
Polstead	103	24	M	S	L	n/a	G	VG	P	P	n/a	F	n/a	
Reward	103	18	M	M	L	n/a	G	VG	F	F	n/a	G	n/a	
SW Benefit	87	11	E	M	M	n/a	F	VG	P	F	n/a	F	n/a	
SW Carousel	102	16	E	M	L	G	G	VG	F	F	n/a	F	G	
SW Cartier	98	11	E	M	M	n/a	F	VG	P	G	n/a	F	n/a	
SW Marquee	96	15	E	M	M	G	G	VG	P	F	n/a	G	G	
SW MIDAS	103	24	E	M	M	G	G	VG	F	F	n/a	G	G	
SW SALUTE	100	11	M	M	M	F	F	VG	F	P	n/a	F	F	
Sorento	102	14	M	M	L	n/a	F	VG	F	F	n/a	G	n/a	
Thunderbird	106	19	M	M	M	n/a	G	VG	F	F	n/a	G	n/a	
Topeka	96	12	M	S	M	G	F	VG	F	P	n/a	G	G	
Tudor	101	16	M	M	L	F	G	VG	P	F	n/a	F	G	
<i>Varieties that are being tested or proposed for registration</i>														
APCM 97107	97	12	E	M	L	G	F	VG	F	F	n/a	G	F	
IN4188	113	6	M	M	M	n/a	G	VG	F	F	n/a	F	n/a	
Green														
BLUEBIRD	90	15	E	S	M	n/a	F	VG	P	P	n/a	n/a	n/a	
Camry	101	16	M	S	L	n/a	G	VG	F	F	F	F	G	
CDC Montero	104	4	L	M	M	n/a	F	VG	F	F	F	G	F	
CDC Patrick	101	18	M	M	M	n/a	G	VG	F	G	G	G	F	
CDC Sage	85	16	M	M	M	n/a	G	VG	F	G	G	G	F	
CDC Striker	93	41	M	M	M	n/a	G	P	F	G	G	VG	G	
COOPER	103	34	L	M	L	n/a	G	VG	F	F	G	F	G	
Nitouche	98	10	M	M	L	n/a	G	P	P	P	G	F	F	
Stratus	100	15	M	S	L	n/a	F	VG	F	P	P	G	G	
SW PARADE	101	6	M	S	S	n/a	F	VG	P	G	F	G	G	
SW Sergeant	93	15	M	M	S	n/a	G	VG	F	F	G	G	F	
TAMORA	90	18	M	M	L	n/a	G	VG	F	P	F	F	n/a	
Vortex	91	10	E	M	M	n/a	F	P	P	F	G	F	F	
Other Pea types														
CDC Rocket (Maple)	92	18	M	M	M	G	F	VG	F	n/a	n/a	n/a	G	
CDC Leroy (Silage)	89	19	M	M	S	F	G	VG	n/a	n/a	n/a	n/a	G	
CDC Tucker (Silage)	93	18	M	M	S	F	G	VG	n/a	n/a	n/a	n/a	G	
40-10 (Silage)	69	14	L	T	S	n/a	P	P	P	n/a	n/a	n/a	G	

CHECK CHARACTERISTICS

Cutlass	71	44	99	34	220 (g)
	bu/ acre	site years	days	inches	per 1000 seeds

¹ Green seed coats: G=0-10%; F=11-25%

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

³ Seed coat dimpling rating : VG=0-5%; G=6-20%; F=21-50%

YIELD BY LOCATION – FIELD PEAS

Manitoba Variety	2009 Average Yield	Site Years Tested	2009 Yield: % of Cutlass					
			Boissevain	Dauphin	Hamiota	Meihta	Morden	Thornhill
Yellow								
Agassiz	113	7	122	117	110	106	129	99
CDC Bronco	86	6	101	66	92	92	80	95
CDC Golden	95	7	95	105	95	100	87	91
CDC Meadow	109	6	119	105	116	111	105	101
CDC Prosper	96	6	98	94	104	91	89	103
CDC Treasure	108	6	125	112	96	104	112	98
Cutlass	100	7	100	100	100	100	100	100
DS Admiral	107	6	116	98	98	87	129	107
Eclipse	101	7	107	97	112	83	118	91
Polstead	105	6	115	97	124	97	104	90
Sorento	95	7	107	88	113	93	95	95
Thunderbird	104	7	114	106	112	95	123	105
<i>Varieties that are being tested or proposed for registration</i>								
APCM 97107	96	6	129	91	108	103	73	87
IN4188	113	6	120	107	102	102	137	101
Green								
CDC Patrick	101	6	127	102	106	93	87	98
CDC Striker	97	7	116	101	95	97	98	89
COOPER	102	6	116	95	107	74	112	103
Silage Pea								
40-10	59	7	95	60	72	61	32	64
CDC Leroy	93	7	102	98	103	94	75	107
CHECK YIELD	Cutlass (bu/acre)		63	94	77	61	97	63
	CV%		8.0	7.1	6.0	6.8	13.4	13.0
	LSD%		13	12	10	11	22	21
	Sign Diff		Yes	Yes	Yes	Yes	Yes	Yes

FABABEANS

New for 2010

Variety	Code	Type	Breeder	Distributor
Florent	NPZ 3-7080	Zero tannin	DL Seeds	Roy Legumex Inc.

VARIETY DESCRIPTIONS

Variety	Yield % Check	Site Years Tested	Type ¹	Seed Size TKW (g)	2009 Yield: % of CDC Fatima	
						St. Adolphe
CDC Blitz	100	22	Tannin			
CDC Fatima	100		Tannin	523		100
Compass	98	5	Tannin			
Florent	101	4	Zero Tannin	523		115
Quattro	100	5	Tannin			
Scirocco	95	8	Tannin			
Snowbird	94	4	Zero Tannin	502		76
Taboar	89	7	Tannin	471		88
CHECK CHARACTERISTICS				CDC Fatima (lb/acre)		3141
CDC Fatima	3387 lb/acre	26 site years			CV%	13.6
					LSD%	22
					Sign Diff	Yes

¹ Traditional tannin fababean tan coloured seed coats that contain tannins and can't be fed directly to livestock. Zero tannin fababeans have white seed coats and can be fed directly to livestock.

MANITOBA PULSE BUYER LIST – NOVEMBER 2009

B–Beans, F–Fababeans, L–Lentils, P–Peas, S–Soybeans

Company	Commodity	Phone	City/Town	CGC Registered
Agassiz Feeds	P	204-638-5840	Dauphin, MB	N
Agassiz Seed Farm Ltd.	B, S	204-745-6655	Homewood, MB	N
AgriTel Grain Ltd.	P, S	204-268-1415	Beausejour, MB	N
B. B. F. Enterprises Ltd.	S	204-737-2245	Lettellier, MB	N
Belle Pulses Ltd.	P	306-423-5202	Bellevue, SK	Y
Best Cooking Pulses, Inc.	P, L	204-857-4451	Portage la Prairie, MB	Y
B & R Seeds Ltd.	P	204-379-2582	St. Claude, MB	N
Cargill Ltd.	P	204-947-6219	Winnipeg, MB	Y
Central Grain Company	B	204-233-4977	Winnipeg, MB	N
Global Grain Canada	B	204-829-3641	Plum Coulee, MB	Y
H & W Seed Service	B	204-325-7440	Winkler, MB	Y
Hensall District Co-op	B	204-295-3938	Winnipeg, MB	Y
Horizon Agro	P, L, S	204-746-2026	Morris, MB	Y
James Richardson International	P	204-934-5621	Winnipeg, MB	Y
• Pioneer Grain	P	204-934-5961	Winnipeg, MB	Y
• Tri Lake Agri Limited	P	204-523-5380	Killarney, MB	Y
Jordan Mills	S	204-331-3696	Winkler, MB	Y
• Delmar Commodities	S, P	204-331-3696	Winkler, MB	Y
Linear Grain	B, S, P	204-745-6747	Carman, MB	Y
• Portage Bean Station	B	204-274-2223	Macdonald, MB	Y
Louis Dreyfus Canada Ltd				
• Virden Station	P	204-748-6282	Virden, MB	Y
Masterfeeds	F, P	204-638-5840	Dauphin, MB	N
Nutri-Pea Ltd.	P	204-239-5995	Portage la Prairie, MB	N
Parent Seeds Ltd.	B, P, L, S	204-737-2625	St. Joseph, MB	Y
• Adrain Bean Station	B	204-856-9111	Macdonald, MB	Y
Parrish & Heimbecker Ltd	P	204-987-4320	Winnipeg, MB	Y
• Nutri-Pea Limited	P	204-239-5995	Portage la Prairie, MB	N
Paterson & Sons Limited, N. M.	P, S	204-956-2090	Winnipeg, MB	Y
Quarry Grain Commodities	S	204-467-8877	Stonewall, MB	N
Roy Legumex	B, F, L, P, S	204-758-3597	St. Jean Baptiste, MB	Y
• Fisher Seeds Ltd.	F	204-622-8800	Dauphin, MB	Y
• Duncan Seeds	B	204-822-6629	Morden, MB	Y
S. S. Johnson Seeds	P, B	204-376-5228	Arborg, MB	Y
Saskatchewan Wheat Pool – AgPro	P, L	306-569-6104	Regina, SK	Y
Seed-Ex Inc.	S	204-737-2000	Lettellier, MB	Y
The Puratone Corporation	P	204-376-5060	Arborg, MB	N
Thompsons Limited	B, P, L	519-676-5411	Blenheim, ON	Y
• Keystone Grain	B, S	204-325-9555	Winkler, MB	Y
• Circle T Agri Services	B	204-723-2164	Treherne, MB	Y
• Y2K Farms	B	204-252-2132	Edwin, MB	Y
TransGlobal Commodities	B, P, S, L	204-975-0803	Winnipeg, MB	N
Vanderveen Commodity Services	S	204-745-6444	Carman, MB	Y
Viterra	P, S	204-954-1528	Winnipeg, MB	Y
Viterra Special Crops	B, F, L, P	204-745-6711	Carman, MB	Y
• Receiving Station	B	204-856-6373	Portage la Prairie, MB	Y
• Plum Coulee	B	204-829-2364	Plum Coulee, MB	Y
• Prairie Mountain Agri Ltd.	P	204-937-6370	Roblin, MB	Y
Walhalla Bean Co. (Canada Ltd)	B	701-549-3721	Walhalla, ND	Y
• Winkler Receiving	B	204-325-0767	Winkler, MB	Y
Walker Seeds Ltd.	P	306-873-3777	Tisdale, SK	Y
West Can Agra	B, S	204-829-3230	Plum Coulee, MB	N
Western Grain Trade Ltd.	P	306-445-4022	North Battleford, SK	Y

To be included on our Manitoba Buyers List, companies should contact the MPGA office at 204-745-6488 to register.

Note: These companies are authorized to deduct and remit levy to MPGA. This list is provided by MPGA as a convenience to our members. MPGA accepts no responsibility or liability for the accuracy of the completeness of the information provided. It is your personal responsibility to satisfy yourself that any company you deal with is financially sound. Questions regarding licensing and security should be directed to the Canadian Grain Commission at 1-800-853-6705 or 1-204-983-2770.