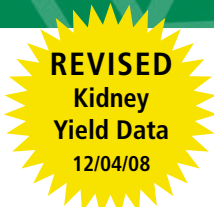




Pulse Variety Evaluation in 2008

This publication features the results from MPGA sponsored trials.



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 Federal government's Matching Investment Initiatives (MII). The Manitoba Crop Variety Evaluation Team (MCVET) provided the pea data and cost-shared the lentil data with MPGA.

New for 2008

To demonstrate the yield stability of a variety, the wide row edible bean trial, Roundup Ready soybean trial and Pea trial have yields expressed over 1, 2 and 3 year averages.

New check varieties have been selected for Pinto beans, Pink beans, Roundup Ready soybeans and lentils.

An IDC Group rating for soybeans has been developed. This Group rating, which must be used in conjunction with the IDC numerical rating, helps to provide a better way of interpreting a soybean variety's IDC tolerance. More information is provided in the notes section of the soybean trials.

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 found within the trial – trials with a CV less than 15% are considered reasonable.

Lower CVs 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 Navy bean trial has an overall yield of 2692 lb/acre, a CV of 5.4% and LSD of 240 lb/acre. The low CV indicates the trial has very little variation and the LSD indicates that varieties yields that vary by more than 240 lb/acre are truly different.

For all other trials, the LSD is a % – not lb/acre. This is because the yield data

is presented as a % of the check, with the actual check yield being reported in the CHECK CHARACTERISTICS box at the bottom of the table. The method of variety comparison using the LSD remains the same.

In each table, data for the check varieties is bolded to make it easier to compare it with other varieties. Each table includes the number of site-years that data was collected to calculate the yield. The more site-years, the more confident you can be in the yield estimation. The best way to determine the suitability of a variety is to see it in as many different settings and even years as possible.

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
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	Field Rating: Bacterial Blight Severity (0-5) 0 = No observable lesions or other signs of infection (HR) 1 = < 5% of plant area (leaf and stem-hypocotyls) diseased (R) 2 = 5-10% of plant area diseased (MR) 3 = 10-25% of plant area diseased (MS) 4 = 25-50% of plant area diseased (S) 5 = 50-100% of plant area diseased or death of seedling (HS) Bacterial Blight Incidence – % leaf tissue infected Anthrachnose Incidence – % plant tissue infected Rust Incidence – % plant tissue infected White Mould Incidence – % plant tissue infected
Plant Height	Plant height in cm, rated at maturity	
Maturity	Number of days to when 90% of plants ready to combine	
Lodging (1-5)	Rated at maturity 1 = upright 5 = flat on the ground	
Pod Ht (> 5 cm)	% of pods above 5 cm from the ground	
Yield	lb/acre	
Seed Weight	Grams per 1000 seeds	
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 measure of random variation in a trial. CV less than 15% indicates valid 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.
- NS** Not Significant. This means that there is no statistically significant difference between any of the varieties in the trial even though they appear numerically different.

2008 WIDE ROW SCREENING TRIAL – SMALL SEED SIZE

Morden

MARKET CLASS/Variety	Days to Maturity	Yield lb/acre	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Rust %	Anth Incid %	WM Incid %	TKW g	Qual 1-5
NAVY													
AC Cruiser	118	2788	2b	65	2	72	4	40	0	0	0	185	2
Cargo	107	2522	1	48	1	80	4	40	0	0	0	194	1
Cirrus	112	2864	2b	53	2	73	4	28	0	0	0	200	2
Envoy	101	2338	1	42	1	73	4	40	0	0	0	197	1
Galley	112	2733	2a	57	1	82	4	40	0	0	0	215	2
GTS 546	104	1782	1	43	1	85	4	43	0	0	0	190	1
Lightning	112	2750	2a	58	1	88	4	40	0	0	0	196	2
Morden003	112	2504	1	43	1	75	4	33	0	0	0	193	1
T9903	114	2899	2b	50	1	78	4	37	0	0	0	227	2
02084	114	3159	2b	62	1	82	4	40	0	0	0	187	2
03019	115	2866	2a	55	1	77	4	40	0	0	0	166	2
07YT16	112	2719	2a	53	1	80	4	40	0	0	0	186	1
08550811	113	3063	2b	58	2	78	4	40	0	0	0	199	2
CDC 1190m-13	114	2574	2a	60	2	72	4	37	0	0	0	190	3
GTS 549	114	2858	2b	57	2	72	4	32	0	0	0	200	2
MHR3745	110	2785	2a	53	1	85	4	37	0	0	0	221	1
T10601	112	2890	2a	55	2	77	4	37	0	0	0	205	1
T10605	112	2889	3a	57	1	83	4	40	0	0	0	212	1
T65180	114	2685	2a	55	1	83	4	40	0	0	0	161	2
VM 353	114	2314	1	57	2	75	4	37	0	0	0	189	1
VM 605	104	2551	1	45	1	90	4	40	0	0	0	198	1
Mean		2692											
CV%		5.4											
LSD		240											

SMALL RED

AC Earlired	104	2566	1	52	2	77	4	28	0	0	4	327	2
Red Rider	109	2085	2a	58	2	58	4	32	0	0	2	317	3
Mean		2326											
CV%		12.3											
LSD		NS											

Winkler

MARKET CLASS/Variety	Days to Maturity	Yield lb/acre	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Rust %	Anth Incid %	WM Incid %	TKW g	Qual 1-5
NAVY													
AC Cruiser	119	3046	2a	78	2	73	4	23	0	0	7	199	1
Cargo	108	2717	1	50	2	80	4	37	0	0	12	180	2
Cirrus	113	3085	2a	73	2	70	4	27	0	0	5	183	2
Envoy	101	2400	1	48	1	87	4	43	0	0	13	178	1
Galley	115	3259	2a	70	2	77	4	40	0	0	5	201	2
GTS 546	107	2065	1	55	2	85	4	50	0	0	17	180	1
Lightning	115	3390	2a	65	2	73	4	43	0	0	0	190	2
Morden003	108	2526	1	47	2	85	4	37	0	0	7	188	1
T9903	116	3278	2a	82	3	70	4	27	0	0	10	199	2
02084	122	2869	2a	77	2	73	4	25	0	0	1	189	3
03019	121	3235	2a	62	2	77	4	50	0	0	0	166	2
07YT16	120	2762	1	70	2	70	4	37	0	0	4	170	2
08550811	121	3164	2a	92	2	72	4	47	0	0	1	177	2
CDC 1190m-13	111	3192	2a	100	3	73	4	32	0	0	11	187	2
GTS 549	118	2821	1	95	2	73	4	22	0	0	7	204	2
MHR3745	112	3135	1	88	2	80	4	47	0	0	12	198	1
T10601	111	2852	1	65	2	73	4	38	0	1	2	208	1
T10605	116	3195	2a	78	2	78	4	38	0	0	2	202	1
T65180	115	2600	2a	70	1	77	4	42	0	0	5	145	2
VM 353	110	2656	1	48	2	78	4	50	0	0	13	178	1
VM 605	107	2266	1	58	3	73	4	43	0	0	22	169	1
Mean		2882											
CV%		11.8											
LSD		563											

SMALL RED

AC Earlired	98	2609	2a	60	3	60	4	40	0	0	32	333	1
Red Rider	102	2622	2b	58	2	65	4	37	0	0	3	295	1
Mean		2615											
CV%		1.4											
LSD		NS											

Carman

MARKET CLASS/Variety	Days to Maturity	Yield lb/acre	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Rust %	Anth Incid %	WM Incid %	TKW g	Qual 1-5
NAVY													
AC Cruiser	97	2252	2b	53	2	77	4	33	0	0	0	169	1
Cargo	99	1030	1	43	1	75	4	43	0	0	0	169	1
Cirrus	103	1254	2b	45	1	75	4	43	0	0	1	159	2
Envoy	91	1303	1	45	1	82	4	50	0	0	0	177	1
Galley	109	1544	2a	48	1	77	4	40	0	0	0	161	2
GTS 546	94	1174	1	40	1	78	4	50	0	0	0	161	2
Lightning	104	1357	2a	50	1	78	4	50	0	0	0	156	2
Morden003	99	1606	1	38	1	87	4	37	0	0	0	165	2
T9903	98	1939	2b	62	1	77	4	40	0	0	0	183	2
02084	97	1770	2b	67	1	80	4	40	0	0	0	150	2
03019	103	1848	2a	47	1	73	4	47	0	0	0	147	2
07YT16	102	1963	2a	72	1	77	4	43	0	0	0	145	1
08550811	99	1573	2b	50	1	75	4	47	0	0	0	149	2
CDC 1190m-13	95	1661	2a	53	1	73	4	40	0	0	0	166	2
GTS 549	102	1678	2b	62	1	70	4	40	0	0	0	168	2
MHR3745	99	1732	2a	52	1	78	4	43	0	0	0	170	1
T10601	103	1519	2a	50	1	73	4	43	0	0	0	157	1
T10605	99	1517	3a	47	1	77	4	47	0	0	0	160	2
T65180	107	1364	2a	48	1	78	4	43	0	0	0	129	3
VM 353	102	1130	1	50	2	78	4	43	0	0	0	165	1
VM 605	104	1190	1	42	2	75	4	40	0	0	0	166	1
Mean		1543											
CV%		9.1											
LSD		232											

SMALL RED

AC Earlired	88	1544	1	42	1	77	4	40	1	0	0	277	2
Red Rider	99	1389	2a	55	2	57	4	35	0	0	1	269	3
Mean		1466											
CV%		8.6											
LSD		NS											

Portage

MARKET CLASS/Variety	Days to Maturity	Yield lb/acre	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Rust %	Anth Incid %	WM Incid %	TKW g	Qual 1-5
NAVY													
AC Cruiser	112	2541	2b	52	3	-	4	43	0	0	0	190	1
Cargo	105	2229	1	33	3	-	4	40	0	0	0	194	1
Cirrus	100	2476	2a	43	2	-	4	40	0	0	0	186	2
Envoy	97	2134	1	38	2	-	4	50	0	0	1	194	1
Galley	103	2482	2a	48	1	-	4	47	0	0	0	200	2
GTS 546	103	1753	1	38	2	-	4	50	0	0	0	188	2
Lightning	101	2160	2a	53	1	-	4	50	0	0	0	187	1
Morden003	99	2170	1	35	2	-	4	43	0	0	0	187	2
T9903	107	2436	2a	47	3	-	4	43	0	0	1	204	1
02084	113	2442	2b	52	1	-	4	50	0	0	0	172	2
03019	112	2375	2a	47	1	-	4	50	0	0	0	163	2
07YT16	111	2495	2b	45	2	-	4	43	0	0	0	183	2
08550811	112	2254	2a	48	3	-	4	47	0	0	0	190	2
CDC 1190m-13	108	2636	2a	45	3	-	4	40	0	0	0	187	3
GTS 549	110	2518	3a	42	3	-	4	40	0	0	0	211	2
MHR3745	103	2468	2a	48	2	-	4	50	0	0	0	203	2
T10601	106	2008	2a	40	2	-	4	47	0	0	0	207	3
T10605	105	2519	2a	50	1	-	4	47	0	0	0	203	2
T65180	111	2245	2a	50	2	-	4	47	0	0	0	149	3
VM 353	103	2061	1	42	3	-	4	50	0	0	2	183	2
VM 605	99	2181	1	40	2	-	4	43	0	0	1	182	1
Mean		2314											
CV%		11.9											
LSD		456											
SMALL RED													
AC Earlired	97	3020	1	45	3	-	4	40	0	0	3	332	3
Red Rider	102	3075	2a	45	3	-	4	40	0	0	2	320	2
Mean		3048											
CV%		7.2											
LSD		NS											

2008 WIDE ROW SCREENING TRIAL – MEDIUM SEED SIZE

Morden

MARKET CLASS/Variety	Days to Maturity	Yield lb/acre	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Rust %	Anth Incid %	WM Incid %	TKW g	Qual 1-5
PINTO													
AC Ole	102	2641	3a	78	2	75	4	30	0	0	0	372	2
Agrinto	106	2636	2b	90	1	80	4	30	0	0	2	365	2
Island	107	2606	2b	78	2	77	4	28	0	0	1	377	1
Maverick	106	2615	3a	78	2	75	4	23	0	0	0	349	1
Windbreaker	103	2838	3a	70	2	78	4	27	0	0	0	382	1
Winmor	105	2378	3a	70	1	77	4	35	0	0	0	373	1
08550813	102	2616	2a	58	2	78	4	30	0	0	0	366	2
08560868	106	2499	2b	58	2	75	4	23	0	0	0	358	1
CDC 1073m-38	106	2164	3a	75	2	82	4	27	0	0	1	418	1
HR 182	112	2738	2a	65	2	62	4	30	0	1	0	431	2
La Paz	115	2819	2b	82	3	63	4	27	0	0	0	305	1
Mariah	100	3108	2b	58	2	80	4	23	0	0	0	371	1
Sonora	104	3111	1	63	2	78	4	27	0	0	0	308	2
	Mean	2675											
	CV%	5.4											
	LSD	242											

BLACK

Black Violet	115	2752	2a	50	2	83	4	40	0	0	0	187	1
CDC Jet	114	2830	2a	52	1	78	4	37	0	0	0	194	1
Eclipse	110	2949	1	55	1	83	4	40	0	0	0	182	1
T39	113	2771	2b	62	3	73	4	40	0	0	0	199	1
05222	113	2743	1	58	2	78	4	40	0	0	0	208	1
07TY55	112	3356	1	48	1	78	4	40	0	0	0	194	1
08570919	112	2634	1	52	1	72	4	40	0	0	0	172	1
BK04-001	108	2859	1	53	1	87	4	40	0	0	0	214	1
CDC 1519-10	112	2415	2a	52	1	83	4	37	0	0	0	207	1
	Mean	2812											
	CV%	3.7											
	LSD	179											

Winkler

MARKET CLASS/Variety	Days to Maturity	Yield lb/acre	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Rust %	Anth Incid %	WM Incid %	TKW g	Qual 1-5
PINTO													
AC Ole	108	3965	2b	93	3	62	4	40	0	0	3	366	1
Agrinto	101	3314	2b	75	2	77	4	30	0	0	20	358	2
Island	103	2794	2b	87	2	80	4	40	0	0	5	380	1
Maverick	111	3319	3a	73	4	52	4	37	0	0	18	355	1
Windbreaker	112	3408	3a	65	3	63	4	35	0	0	14	360	1
Winmor	108	3074	3a	90	3	72	4	37	0	0	9	379	1
08550813	101	3046	2b	68	2	73	4	38	0	0	3	353	2
08560868	108	3462	2b	68	3	58	4	40	0	0	11	351	1
CDC 1073m-38	108	3002	2b	92	3	60	4	30	0	0	27	383	1
HR 182	114	3041	2a	77	3	55	4	40	0	0	3	410	2
La Paz	115	3036	2a	98	2	60	4	37	0	0	4	303	1
Mariah	106	3273	2a	82	2	77	4	37	0	0	17	339	1
Sonora	109	3429	3a	83	3	58	4	37	0	0	22	295	1
	Mean	3243											
	CV%	4.2											
	LSD	230											

BLACK

Black Violet	120	3509	1	60	1	78	4	20	0	0	2	196	1
CDC Jet	115	3456	2a	67	2	82	4	35	0	0	1	198	1
Eclipse	114	3473	2a	73	2	87	4	25	0	0	17	184	1
T39	119	2901	2a	72	3	65	4	37	0	0	18	190	1
05222	117	2850	1	63	2	72	4	50	0	0	7	210	1
07TY55	113	2650	2a	62	2	75	4	42	0	0	14	170	1
08570919	117	2793	2a	67	3	75	4	28	0	0	7	159	1
BK04-001	112	3341	1	55	1	82	4	35	0	0	0	225	1
CDC 1519-10	111	2966	2a	68	2	80	4	37	0	0	0	193	1
	Mean	3104											
	CV%	12.0											
	LSD	651											

Carman

MARKET CLASS/Variety	Days to Maturity	Yield lb/acre	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Rust %	Anth Incid %	WM Incid %	TKW g	Qual 1-5
PINTO													
AC Ole	92	2256	3a	67	2	75	4	43	0	0	0	324	2
Agrinto	97	2217	2b	78	2	77	4	40	2	0	0	296	3
Island	97	1528	2b	77	2	77	4	40	2	0	0	302	2
Maverick	98	2299	3a	62	2	72	4	37	0	0	0	298	2
Windbreaker	97	2124	3a	55	2	77	4	33	0	0	0	329	2
Winmor	91	1875	3a	62	2	75	4	37	0	0	0	320	2
08550813	96	1636	2a	50	2	77	4	40	0	0	0	291	3
08560868	96	2436	2b	62	2	73	4	47	0	0	0	307	2
CDC 1073m-38	96	1901	3a	65	2	80	4	40	0	0	0	355	2
HR 182	103	1653	2a	63	2	58	4	47	0	0	0	340	2
La Paz	95	2660	2b	68	3	60	4	33	0	0	0	279	1
Mariah	91	2314	2b	62	2	75	4	35	0	0	0	297	1
Sonora	96	2320	1	60	2	77	4	40	2	0	0	261	2
	Mean	2094											
	CV%	6.1											
	LSD	214											

BLACK

Black Violet	98	1739	2a	47	1	82	4	40	0	0	0	157	1
CDC Jet	100	1622	2a	53	1	80	4	40	0	0	0	170	1
Eclipse	102	1839	1	55	1	85	4	50	0	0	0	151	1
T39	100	1891	2b	58	1	62	4	50	0	0	0	158	1
05222	100	1292	1	50	1	77	4	47	0	0	0	176	1
07TY55	100	1483	1	45	1	58	4	43	0	0	0	148	1
08570919	102	1584	1	48	1	77	4	35	0	0	0	144	1
BK04-001	99	2164	1	45	1	88	4	40	0	0	0	190	1
CDC 1519-10	100	1619	2a	45	1	72	4	47	0	0	0	159	1
	Mean	1693											
	CV%	5.7											
	LSD	166											

Portage

MARKET CLASS/Variety	Days to Maturity	Yield lb/acre	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Rust %	Anth Incid %	WM Incid %	TKW g	Qual 1-5
PINTO													
AC Ole	102	3766	2a	48	2	-	4	28	0	0	2	377	2
Agrinto	99	3509	2b	50	2	-	4	27	0	0	2	372	2
Island	97	2967	2b	52	2	-	4	37	0	0	1	397	2
Maverick	104	3909	2b	47	4	-	4	30	0	0	8	361	1
Windbreaker	100	3749	2a	50	2	-	4	27	0	0	1	355	2
Winmor	97	2754	2b	47	2	-	4	32	0	0	5	369	2
08550813	99	3643	2a	48	2	-	4	40	0	0	2	358	2
08560868	102	3454	3a	47	3	-	4	35	0	0	6	350	3
CDC 1073m-38	97	2928	3a	45	3	-	4	27	0	0	7	392	2
HR 182	105	3049	2b	50	3	-	4	43	0	0	1	423	2
La Paz	112	3940	2b	55	3	-	4	27	0	0	5	317	1
Mariah	103	3631	2a	57	2	-	4	28	0	0	7	354	2
Sonora	101	3790	2a	55	2	-	4	33	1	0	4	313	2
	Mean	3468											
	CV%	6.1											
	LSD	360											

BLACK

Black Violet	106	2706	1	53	3	-	4	43	0	0	0	181	1
CDC Jet	103	2712	2a	48	1	-	4	47	0	0	0	178	1
Eclipse	110	2704	2a	52	1	-	4	43	0	0	1	181	1
T39	113	2401	2a	52	4	-	4	40	0	0	0	188	1
05222	111	2547	2a	50	2	-	4	50	0	0	1	194	1
07TY55	110	2059	2a	42	2	-	4	47	0	0	0	176	1
08570919	109	2320	2a	47	2	-	4	43	0	0	0	167	1
BK04-001	104	3002	2a	47	1	-	4	43	0	0	0	227	1
CDC 1519-10	99	1952	2a	42	1	-	4	50	0	0	0	184	1
	Mean	2489											
	CV%	11.6											
	LSD	499											

2008 WIDE ROW SCREENING TRIAL – MEDIUM TO LARGE SEED SIZE

Morden

MARKET CLASS/Variety	Days to Maturity	Yield lb/acre	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Rust %	Anth Incid %	WM Incid %	TKW g	Qual 1-5
PINK													
Pink Floyd	108	2504	2a	78	2	80	4	28	0	0	0	334	1
ROG922	109	2426	3a	83	1	77	4	30	0	0	0	391	1
Sedona	106	2750	2a	65	2	75	4	32	0	0	0	321	1
	Mean	2560											
	CV%	2.3											
	LSD	131											
GREAT NORTHERN													
AC Polaris	110	2319	2b	77	2	80	4	32	0	0	1	319	2
Beryl	113	3059	2a	65	3	47	4	33	0	0	0	284	2
HR185	110	2445	2a	57	2	78	4	28	0	0	1	329	2
Orion	108	2858	2a	67	2	78	4	33	0	0	2	326	2
	Mean	2670											
	CV%	7.1											
	LSD	381											
CRANBERRY													
Cran 09	107	2049	1	50	1	50	5	60	0	0	0	472	2
Etna	108	2251	1	50	1	60	5	53	0	0	0	538	2
Capri	115	2156	1	52	2	42	4	40	0	0	0	564	2
	Mean	2152											
	CV%	8.7											
	LSD	NS											
KIDNEY – Revised Yield Data													
ROG802	111	1921	1	55	1	60	4	43	0	0	0	522	1
Cabernet	108	1343	1	55	1	63	5	57	0	0	0	514	1
Foxfire	106	3005	1	48	1	83	4	40	0	0	0	547	1
Pink Panther	108	2420	1	53	1	58	4	43	0	0	0	579	1
GTS 401	115	2524	1	55	1	73	4	40	0	0	1	460	2
GTS 402	106	2388	1	52	1	87	4	40	0	0	0	461	2
	Mean	2267											
	CV%	6.3											
	LSD	261											

Winkler

MARKET CLASS/Variety	Days to Maturity	Yield lb/acre	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Rust %	Anth Incid %	WM Incid %	TKW g	Qual 1-5
PINK													
Pink Floyd	109	3505	2b	92	5	28	4	40	0	0	13	336	2
ROG922	108	2982	2b	80	2	53	4	40	0	3	17	366	2
Sedona	110	3138	2a	78	3	63	4	30	0	1	4	329	2
	Mean	3208											
	CV%	5.9											
	LSD	NS											
GREAT NORTHERN													
AC Polaris	111	3545	2b	78	3	63	4	40	0	0	13	343	1
Beryl	112	3186	2b	90	4	45	4	37	0	0	22	304	2
HR185	117	1785	2b	67	3	70	4	40	0	0	5	339	2
Orion	112	3146	2a	65	3	67	4	40	0	0	9	319	2
	Mean	2916											
	CV%	4.5											
	LSD	261											
CRANBERRY													
Cran 09	107	2523	1	47	3	50	5	53	0	0	12	509	3
Etna	108	2407	1	42	1	55	5	57	0	0	0	548	2
Capri	117	2684	1	58	3	53	4	40	0	0	2	574	2
	Mean	2538											
	CV%	8.4											
	LSD	NS											
KIDNEY – Revised Yield Data													
ROG802	112	2436	1	50	2	65	4	40	0	0	1	513	1
Cabernet	112	1614	1	55	2	60	5	60	0	0	0	541	1
Foxfire	110	2838	1	50	2	55	4	37	0	0	0	548	1
Pink Panther	115	3153	1	55	2	65	4	40	0	0	0	629	1
GTS 401	115	2454	1	57	2	72	4	40	0	0	2	460	2
GTS 402	107	1778	1	43	2	58	4	40	0	0	10	478	2
	Mean	2379											
	CV%	4.9											
	LSD	211											

MEDIUM TO LARGE SEED SIZE continued

Carman

MARKET CLASS/Variety	Days to Maturity	Yield lb/acre	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Rust %	Anth Incid %	WM Incid %	TKW g	Qual 1-5
PINK													
Pink Floyd	99	2064	2a	62	2	78	4	40	0	0	0	285	3
R0G922	95	1622	3a	68	2	77	4	50	0	0	0	334	3
Sedona	97	1741	2a	63	2	78	4	40	0	0	0	267	2
	Mean	1809											
	CV%	10.6											
	LSD	435											
GREAT NORTHERN													
AC Polaris	97	1761	2b	52	2	77	4	40	4	0	2	280	2
Beryl	103	1581	2a	57	3	48	4	37	0	0	0	239	2
HR185	103	1679	2a	50	2	78	4	47	0	0	0	279	1
Orion	103	1770	2a	53	2	77	4	40	0	0	0	268	3
	Mean	1698											
	CV%	5.0											
	LSD	NS											
CRANBERRY													
Cran 09	101	1024	1	48	1	48	4	43	0	0	0	385	3
Etna	101	930	1	38	1	60	5	47	0	0	0	400	2
Capri	104	1329	1	43	1	43	4	50	0	0	0	418	2
	Mean	1095											
	CV%	9.2											
	LSD	228											
KIDNEY – Revised Yield Data													
R0G802	102	949	1	43	1	60	4	50	0	0	0	384	1
Cabernet	104	905	1	40	1	58	5	57	0	0	0	405	1
Foxfire	99	1195	1	42	1	82	4	50	0	0	0	412	1
Pink Panther	102	1097	1	45	1	55	4	43	0	0	0	477	1
GTS 401	107	1596	1	48	1	58	4	40	0	0	0	343	2
GTS 402	98	1306	1	37	1	83	5	47	0	0	0	350	3
	Mean	1175											
	CV%	10.9											
	LSD	232											

Portage

MARKET CLASS/Variety	Days to Maturity	Yield lb/acre	Plant Type 1-3	Ht cm	Ldg 1-5	Pod Ht %>5cm	CBB Sever 0-5	CBB Incid %	Rust %	Anth Incid %	WM Incid %	TKW g	Qual 1-5
PINK													
Pink Floyd	97	2995	2b	45	3	-	4	28	0	0	7	337	3
R0G922	103	3465	3a	53	2	-	4	33	0	0	3	372	2
Sedona	106	3293	2a	53	3	-	4	32	0	0	2	348	2
	Mean	3251											
	CV%	9.3											
	LSD	NS											
GREAT NORTHERN													
AC Polaris	99	3184	2b	45	3	-	4	25	0	0	8	332	2
Beryl	103	3433	2a	43	4	-	4	32	0	0	4	297	3
HR185	104	2974	2a	55	2	-	4	40	0	0	11	312	2
Orion	104	3634	2a	45	3	-	4	37	0	0	18	328	3
	Mean	3306											
	CV%	10.4											
	LSD	NS											
CRANBERRY													
Cran 09	99	1652	1	37	2	-	4	40	0	0	1	437	2
Etna	97	1272	1	25	1	-	5	47	0	0	0	496	2
Capri	109	2276	1	50	2	-	4	37	0	0	0	570	2
	Mean	1733											
	CV%	22											
	LSD	NS											
KIDNEY													
R0G802	100	-	1	43	1	-	4	43	0	0	0	490	1
Cabernet	100	-	1	30	1	-	5	47	0	0	0	435	2
Foxfire	97	-	1	40	1	-	4	50	0	0	0	420	1
Pink Panther	103	-	1	42	1	-	4	47	0	0	0	629	1
GTS 401	107	-	1	43	1	-	4	40	0	0	0	416	2
GTS 402	97	-	1	35	2	-	4	40	0	0	0	456	3
	Mean	-											
	CV%	-											
	LSD	-											

1, 2 AND 3 YEAR SUMMARY FOR WIDE ROW EDIBLE BEAN TRIAL

	Type 1-3	Yield (lb/acre)			Days to Maturity			% Pod Height > 5cm			Seed Size (TKW)		
		2008	08/07	08/07/06	2008	08/07	08/07/06	2008	08/07	08/07/06	2008	08/07	08/07/06
NAVY													
AC Cruiser	2b	2657	2642	2665	112	111	106	74	80	81	186	186	185
Cargo	1	2125	2318	2440	105	103	100	78	83	82	184	186	183
Cirrus	2b	2420	2613	2644	107	102	100	73	78	76	182	185	181
Envoy	1	2044	2330	2353	98	100	99	81	84	83	186	186	183
Galley	2a	2504	2604	2587	110	109	104	78	81	82	194	200	195
GTS 546	1	1693	1915	-	102	102	-	83	85	-	180	182	-
Lightning	2a	2414	-	-	108	-	-	80	-	-	182	-	-
Morden003	1	2201	2172	2298	105	99	96	82	86	85	183	180	176
T9903	2a	2638	2692	2634	109	107	103	75	81	82	203	211	207
2084	2b	2560	2805	-	111	109	-	78	84	-	174	190	-
3019	2a	2581	2640	-	113	111	-	76	83	-	161	173	-
CDC 1190M-13	2a	2516	2709	-	107	107	-	73	81	-	182	185	-
07YT16	2a	2485	-	-	111	-	-	76	-	-	171	-	-
08550811	2a	2514	-	-	111	-	-	75	-	-	179	-	-
GTS 549	2b	2469	-	-	111	-	-	72	-	-	196	-	-
MHR3745	2a	2530	-	-	106	-	-	81	-	-	198	-	-
T10601	2a	2317	-	-	108	-	-	74	-	-	194	-	-
T10605	2b	2530	-	-	108	-	-	79	-	-	194	-	-
T65180	2a	2223	-	-	112	-	-	79	-	-	146	-	-
VM 353	1	2040	-	-	107	-	-	77	-	-	179	-	-
VM 605	1	2047	-	-	103	-	-	79	-	-	179	-	-
PINTO													
AC Ole	2b	3157	3219	2827	101	101	98	71	78	76	360	381	377
Agrinto	2b	2919	2700	2438	101	97	94	78	83	85	348	351	343
Island	2b	2474	2664	-	101	98	-	78	78	-	364	365	-
Maverick	3a	3036	2780	2538	105	102	99	66	74	72	341	367	360
Windbreaker	3a	3030	3190	2881	103	101	98	73	76	74	357	370	367
Winmor	3a	2520	2379	-	100	96	-	74	78	-	360	360	-
08560868	2b	2963	3159	-	103	98	-	69	75	-	341	347	-
CDC 1073m-38	3a	2499	2538	-	102	97	-	74	78	-	387	404	-
Sonora	2a	3162	3087	-	102	100	-	71	79	-	294	304	-
08550813	2a	2735	-	-	100	-	-	76	-	-	342	-	-
HR 182	2a	2620	-	-	109	-	-	58	-	-	401	-	-
La Paz	2b	3114	-	-	109	-	-	61	-	-	301	-	-
Mariah	2b	3082	-	-	100	-	-	77	-	-	340	-	-
BLACK													
Black Violet	2a	2677	2762	2642	110	109	105	81	86	85	180	188	185
CDC Jet	2a	2655	2598	2460	108	106	103	80	85	86	185	197	193
T39	2a	2491	2624	-	112	108	-	67	78	-	184	193	-
CDC 1519-10	2a	2238	2447	-	105	101	-	78	84	-	186	187	-
08570919	2a	2333	2652	-	110	107	-	74	82	-	160	168	-
Eclipse	2a	2741	-	-	109	-	-	85	-	-	174	-	-
BK04-001	1	2842	-	-	106	-	-	86	-	-	214	-	-
05222	1	2358	-	-	110	-	-	76	-	-	197	-	-
07TY55	2a	2387	-	-	109	-	-	71	-	-	172	-	-
SMALL RED													
AC Earlired	1	2435	2555	-	97	94	-	71	75	-	317	331	-
Red Rider	2a	2293	-	-	103	-	-	60	-	-	300	-	-
PINK													
Pink Floyd	2b	2767	2765	2618	103	101	98	62	68	66	323	325	315
Sedona	2a	2731	2706	-	105	104	-	72	78	-	316	347	-
ROG922	3a	2624	-	2343	104	-	99	69	-	69	366	-	366
GREAT NORTHERN													
AC Polaris	2b	2702	2861	-	104	101	-	73	78	-	318	319	-
Beryl	2a	2815	2783	-	108	103	-	47	65	-	281	283	-
Orion	2a	2852	3010	-	107	105	-	74	79	-	310	338	-
HR185	2a	2220	-	-	108	-	-	76	-	-	315	-	-
CRANBERRY													
Cran 09	1	1812	1791	-	103	99	-	49	65	-	451	423	-
Etna	1	1715	1842	-	104	100	-	58	68	-	495	466	-
Capri	1	2111	2114	-	111	110	-	46	63	-	531	489	-
KIDNEY – Revised Yield Data													
ROG802	1	1769	-	1750	106	-	102	62	-	69	477	-	442
Cabernet	1	1287	-	-	106	-	-	61	-	-	474	-	-
Foxfire	1	2346	-	2067	103	-	98	73	-	76	482	-	449
Pink Panther	1	2223	-	2107	107	-	101	59	-	68	578	-	523
GTS 401	1	2191	2273	-	111	111	-	68	75	-	420	391	-
GTS 402	1	1824	1907	-	102	100	-	76	79	-	436	413	-

2008 WESTERN MANITOBA NARROW ROW EDIBLE BEAN TRIAL

Bean Class	Variety	Long Term Yield	Site Years Tested	Days to ¹ Maturity	Plant ² Type	2008 Yield (lb/acre)		
Small Seeded Types		% Envoy		+/- Envoy		Variety	Thornhill	Arborg
Navy	Cargo	86	5	9		Cargo	1272	1446
Navy	Envoy	100	30	0		Envoy	2045	1451
Navy	Morden003	99	12	7		Morden003	2281	1034
Navy	1190M-13	103	5	3		1190M-13	2351	1492
Black	CDC Jet	107	20	7		CDC Jet	2876	1658
Black	1519-10	99	5	1		1519-10	2693	946
Black	1681a-6	101	2	7		1681a-6	2393	1122
Large Seeded Types		% CDC Pintium		+/- CDC Pintium		Variety	Thornhill	Arborg
Pinto	AC Ole	118	9	5		AC Ole	3560	1424
Pinto	Agrinto	107	2	2		Agrinto	2610	1348
Pinto	CDC Pintium	100	30	0		CDC Pintium	2597	1105
Pinto	Island	112	5	1		Island	2588	1449
Pinto	Windbreaker	140	5	15		Windbreaker	3982	1731
Pinto	Winmor	140	2	5		Winmor	3464	1719
Pinto	1533-15	75	2	1		1533-15	1746	1024
Pinto	1702-17	109	2	0		1702-17	3029	994
Great Northern	1571a-13	98	2	11		1571a-13	2280	1348
CHECK CHARACTERISTICS		Yield lbs/acre	Site Years	Days to Maturity		Trial Mean (lb/acre)	2610	1331
Bean Grouping						CV%	8.2	12.2
Small seeded beans – Envoy		1789	30	99		LSD (lb/acre)	356	272
Large seeded beans – CDC Pintium		2060	30	89				

¹ Maturity data provided to compare relative differences among varieties – actual maturity will vary depending on seasonal growing conditions.

² Growth Habit: | – determinate bush, || – indeterminate bush, ||| – indeterminate vine

LENTILS

Market Class ¹	Variety	Yield % Check	Site Years Tested	Maturity ² Rating	Seed ² Weight (TKW)	Cotyledon Colour	Resistance to ²		2008 Yield: % of CDC Milestone		
							Ascochyta Blight	Anthracnose Race 1	Boissevain	Hamiota	Roblin
Small Green	CDC Milestone	100	–	E	37	Yellow	G	VP	100	100	100
Medium Green	CDC Impress CL*	84	5	M	52	Yellow	G	P	85	78	98
Large Green	CDC Greenland	88	9	ML	64	Yellow	G	VP	61	71	74
	CDC Improve CL*	91	8	M	67	Yellow	F	VP	99	92	77
	CDC Plato	103	18	ML	62	Yellow	G	P	69	78	72
Small Red	CDC Impact CL*	96	9	E	34	Red	G	P	111	95	110
	CDC Maxim CL*	134	5	EM	40	Red	G	G	159	121	178
	CDC Red Rider	91	5	EM	45	Red	G	F	–	–	–
	CDC Redberry	113	12	EM	42	Red	G	G	149	100	201
Extra Small Red	CDC Robin	105	21	E	30	Red	G	G	110	83	93
	CDC Impala CL*	113	5	E	31	Red	G	G	113	115	119
	CDC Imperial CL*	97	9	E	30	Red	G	G	115	78	99
	CDC Rosetown	110	9	E	31	Red	G	G	99	101	167
CHECK CHARACTERISTICS							CDC Milestone (lb/acre)		2512	1959	2023
CDC Milestone		2046	21		37 g			CV%	11.7	12.5	12.2
		lb/acre	site years		per 1000 seeds			LSD%	19	21	20

¹ Market Class refers to how lentils are sold in the marketplace – seed size and seed coat colour.

² Ratings determined in Saskatchewan and may not be accurate under wetter growing conditions present in Manitoba. E=early, M=medium, L=late, EM=early-medium, ML=medium-late

* These varieties are tolerant to Odyssey and are referred to as CLEARFIELD lentils indicated by the letters "CL" after the variety name (e.g., CDC Improve CL).

WESTERN SOYBEAN ADAPTATION TRIAL

					2008 Yield: % OAC PRUDENCE									
					Manitoba Sites				Saskatchewan Sites					
					Dryland Production				Dryland Production				Irrigated	
Variety ¹	Company Heat Unit	Yield % of Check	Site Years Tested	Days to ² Maturity	Boissevain	Hamiota	Wawanesa	Carberry	Saskatoon	Rosthern	Oxbow	Outlook	Outlook	
T54002RR	n/a	103	20	111	106	78	77	97	101	133	75	110	136	
90A01	2350	113	20	112	108	113	87	122	107	125	91	116	152	
Apollo RR	2375	108	20	113	97	105	114	98	102	146	120	108	177	
NSC Tyndall RR	2400	113	20	112	131	109	106	117	104	158	96	114	150	
RR Rosco	2450	109	20	114	109	116	124	108	104	127	109	128	204	
OAC PRUDENCE	2450	100	20	116	100	100	100	100	100	100	100	100	100	
24-51R	2450	109	20	117	110	121	113	124	120	174	112	111	127	
90M01	2575	99	20	119	90	103	114	107	98	98	111	92	120	
CHECK CHARACTERISTICS			OAC PRUDENCE (bu/acre)		29	37	42	37	27	16	20	44	29	
OAC PRUDENCE		1953 lb/acre	20 site years	CV%	5.7	6.6	7.5	5.3	5.8	8.0	11.2	13.2	15.3	
				LSD%	10	12	18	9	NS	14	20	23	27	

¹ Soybeans do not qualify for MASC Production Insurance at any of the Manitoba sites.

² Days to maturity is determined from Boissevain and Hamiota sites from 2008–2006.

CONVENTIONAL SOYBEANS

												2008 Yield: % of OAC PRUDENCE								
Manitoba Variety Zones	Company Heat Unit	Variety	Days to Maturity + / - of Check			Yield % Check	Site Years Tested	Hilum* Colour	Relative Seeds/ lb	IDC		Arborg ²	Stonewall	Homewood	Portage	St Adolphe	Morris	Rosebank	Morden	
			2008	2007	2006					Rating 1–5	Grouping ¹									
short season zone	2375	Tundra	-6	-7	-4	95	18	IY	3027	1.3	T	100	82	77	104	77	95	-	-	
	Experimental lines are being tested/proposed for registration in Canada																			
			S00-V8	-3	-	-	96	10	IY	2350	2.1	ST	-	-	90	108	79	104	121	97
mid season zone	2450	OAC PRUDENCE	0	0	0	100		Y	2450	1.3	T	100	100	100	100	100	100	100	100	
	Experimental lines are being tested/proposed for registration in Canada																			
			OT05-21	2	2	4	95	15	Y	2112	-	-	91	87	105	109	85	94	-	-
			OT06-08	3	3	-	101	12	Y	2026	-	-	-	-	105	111	99	104	119	89
		2575	OAC Erin	2	8	5	112	30	Y	3300	2.1	ST	-	-	109	127	105	121	134	108
long season zone	2575	QGC 16T	2	14	-	94	12	Y	2400	2.3	S	-	-	94	111	89	96	110	93	
	Experimental lines are being tested/proposed for registration in Canada																			
			OT05-20	2	6	4	97	15	Y	2009	-	-	111	91	91	109	91	90	-	-
			OT05-18	2	10	-	110	12	IY	2454	-	-	-	-	109	116	101	113	132	118
		OT07-22	4	-	-	96	6	Y	2131	-	-	-	-	91	109	96	92	102	90	
CHECK CHARACTERISTICS			OAC PRUDENCE (bu/acre)						39	46	50	45	46	40	30	60				
OAC PRUDENCE		123	116	107	49	56	2450	CV%	4.3	6.6	4.5	6.7	5.8	7.9	6.0	8.2				
					bu/acre	site years	#/lb	LSD%	9	13	8	12	10	13	11	14				

¹ T=tolerant; ST=semi-tolerant; S=susceptible

² Soybeans do not qualify for MASC Production Insurance at the Arborg site.

ROUNDUP READY SOYBEANS

Manitoba Maturity Zone	Company Heat Unit	Variety	Relative Days to Maturity ¹ + / - of Check			Yield % of NSC Portage RR			Hilum Colour	Relative Seeds/lb	Lodging 1-5	IDC	
			2008	2008- 2007	2008- 2006	2008	2008- 2007	2008- 2006				Rating 1-5	Grouping
short season area	2450	Apollo RR	-6	-9	-8	92	91	87	BR	2481	1	1.9	Semi Tolerant
	2375	NSC Warren RR	-4	-8	-7	91	96	92	BR	3410	2	2.1	Semi Tolerant
	-	IsisRR	-6	-7	-6	90	93	92	BL	2752	2	-	-
	2450	RR Rosco	-3	-5	-5	90	87	85	BR	2900	2	3.1	Susceptible
	2375	DrakoRR	-4	-7	-6	85	86	84	BR	2454	2	2.7	Susceptible
	2550	RR Russell	-3	-3	-3	100	96	93	BR	2636	3	2.5	Susceptible
	2450	Montcalm	-3	-3	-2	93	92	88	IY	2910	1	2.9	Susceptible
mid season area	2425	LS 0036RR	-1	-3	-3	94	99	98	BR	3800	1	1.5	Tolerant
	2500	S00-K5	-1	-	-	85	-	-	BR	3200	1	1.9	Semi Tolerant
	2450	RR Regis	0	-3	-3	85	86	86	BR	3400	2	2.1	Semi Tolerant
	2450	25-04R	1	-2	-2	98	97	97	BR	2700	2	2.1	Semi Tolerant
	2450	LS 0045RR	-3	-2	-1	93	92	91	BL	3200	1	2.0	Semi Tolerant
	2500	90A06	0	-1	0	98	100	96	BF	3000	2	1.5	Tolerant
	2500	NSC Portage RR	0	0	0	100	100	100	BR	3850	1	1.9	Semi Tolerant
	2450	26005RR	-2	0	1	91	93	93	BL	3800	1	2.3	Susceptible
	2450	26006RR	-1	0	1	93	95	96	BR	3300	1	1.7	Tolerant
	2450	LS 0065RR	-1	0	0	106	104	102	BL	3450	2	2.0	Semi Tolerant
	2500	24-52R	2	-	-	102	-	-	BL	2350	1	-	-
	2550	HS 006R37	2	-	1	82	-	81	BR	3295	1	-	-
	2450	27005RR	2	1	1	94	98	98	BR	3400	1	2.2	Semi Tolerant
	2450	90M01	3	2	2	101	99	96	Y	2900	1	1.6	Tolerant
	2550	25-02R	2	3	2	100	96	94	BR	3225	1	3.4	Susceptible
2550	NSC 2007 RR	3	2	2	93	94	93	G	4000	1	1.9	Semi Tolerant	
2500	NSC 2011 RR	3	2	1	92	94	93	BL	4221	1	1.9	Semi Tolerant	
2450	OlexRR	0	3	3	92	95	93	BR	2402	1	2.9	Susceptible	
long season area	2500	NSC Coulee RR	4	5	4	106	106	102	BR	2950	1	2.0	Semi Tolerant
	2575	90M02	3	5	4	99	97	96	BL	3000	2	1.8	Semi Tolerant
	2650	PS 46 RR	3	6	6	95	93	91	BL	2400	1	3.2	Susceptible
	2650	LynxRR	5	7*	8*	105	103	101	BR	2671	1	3.3	Susceptible
	2600	PRO 2625R	11*	-	-	92	-	-	GR	1680	1	2.2	Semi Tolerant
CHECK CHARACTERISTICS													
NSC Portage RR			122	122	118	49	54	52	BR	3850	1	1.9	Semi Tolerant
			days to maturity			bu/acre			hilum	#/#lb			

*These varieties did not fully mature at 1 or more sites.

¹ Relative Days to Maturity and Yield are based on 6 locations in 2008, 12 locations in 2008-2007 and 19 locations in 2008-2006. See *Seed Manitoba* for actual yields at each site.

KEY – APPLICABLE TO ROUNDUP READY AND CONVENTIONAL SOYBEAN CHARTS ONLY

- Soybean varieties have been organized into 3 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.
- Company 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.
- Relative Days to Maturity 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 are expressed as +/- days from the check variety. The actual days to maturity of the check is found at the bottom on the table.
- 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. Seed size can range from 1800 to 4100 seeds/lb. Small (S) seed ranges from 3200 to over 4000 seeds/lb.
- Iron Deficiency Chlorosis (IDC) tolerant varieties are varieties with lower IDC scores and perform better on soils prone to iron deficiency chlorosis. Both numerical rating and groupings should be considered when choosing a variety. **IDC Ratings** range from 1-5 where 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. **IDC Grouping** is used because varieties will have different visual rating scores from year to year. Numerical ratings which are close but in different groupings will show similar symptoms.

PEAS

Variety	1, 2 and 3 Year Average Yield: % of Eclipse			Seed Size ¹	Green Seed Coats ²	Resistance to ³					2008 Yield: % of Eclipse ⁵												
	2008	2008-2007	2008-2006			Powdery Mildew	Lodging	Seed Coat Breakage	Seed Coat Dimpling ⁴	Bleaching	Arborg	Boissevain	Dauphin	Harniots	Melita	Morden	Thornhill						
																		2008	2008-2007	2008-2006			
Yellow																							
Agassiz	111	112	–	M	n/a	VG	G	G	n/a	n/a	100	98	111	100	136	108	121						
Canstar	107	106	105	M	n/a	VG	G	G	n/a	n/a	110	92	94	100	126	109	120						
CDC Prosper	88	95	–	S	G	VG	G	G	F	n/a	71	88	70	80	109	102	92						
Cutlass	102	103	98	M	G	VG	G	F	F	n/a	82	94	91	92	119	113	120						
Eclipse	100	100	100	L	G	VG	G	G	F	n/a	100	100	100	100	100	100	100						
FUSION	97	97	97	L	n/a	VG	G	F	n/a	n/a	103	95	102	93	98	91	102						
Noble	97	96	–	L	n/a	VG	G	F	n/a	n/a	94	88	97	95	119	86	102						
Polstead	107	98	103	L	n/a	VG	G	F	n/a	n/a	114	106	91	107	105	99	126						
Reward	104	106	102	L	n/a	VG	G	G	n/a	n/a	92	99	96	99	119	102	122						
Sorento	110	–	–	L	n/a	VG	F	G	n/a	n/a	114	110	105	105	110	105	117						
Thunderbird	112	109	108	M	n/a	VG	G	G	n/a	n/a	96	96	111	114	130	108	131						
<i>Varieties that are being tested or proposed for registration</i>																							
APCM 97107	99	–	–	L	G	VG	F	G	F	n/a	94	94	87	98	117	101	125						
CDC 1410-15	103	–	–	M	G	VG	G	F	F	n/a	86	95	101	110	107	114	113						
CDC 1659-13	86	–	–	L	n/a	VG	G	G	n/a	n/a	79	73	74	78	89	105	121						
CDC 1734-5	90	–	–	M	n/a	VG	G	G	n/a	n/a	100	75	82	78	112	93	118						
CDC 1749-8	92	–	–	M	n/a	VG	G	G	n/a	n/a	98	68	93	78	119	97	118						
CDC 1759-30	103	–	–	M	n/a	VG	G	G	n/a	n/a	100	86	80	103	122	124	121						
CDC 1759-6	89	–	–	L	n/a	VG	G	F	n/a	n/a	90	68	78	76	121	104	112						
Green																							
CDC Patrick	100	103	–	M	n/a	VG	G	G	F	G	92	90	107	93	113	99	105						
CDC Striker	96	95	90	M	n/a	P	G	VG	G	G	101	88	83	109	105	90	95						
COOPER	106	102	99	L	n/a	VG	G	F	G	G	90	105	98	111	117	109	111						
TAMORA	91	90	87	L	n/a	VG	G	F	n/a	F	67	94	85	92	112	88	101						
<i>Varieties that are being tested or proposed for registration</i>																							
CDC 1767-23	94	–	–	M	n/a	VG	G	F	n/a	G	91	81	94	96	112	88	115						
Other Pea Types																							
CDC Rocket (Maple)	93	97	88	M	G	VG	F	n/a	G	n/a	77	96	75	99	118	99	88						
CDC Tucker (Silage)	94	95	90	S	F	VG	G	n/a	G	n/a	78	85	103	80	121	94	98						
CDC Leroy (Silage)	87	90	–	S	F	VG	G	n/a	G	n/a	74	84	84	75	112	88	92						
40-10 (Silage)	82	–	–	S	n/a	P	P	n/a	G	n/a	97	73	64	62	107	88	80						
CHECK YIELD											Yield – Eclipse (bu/acre)						76	96	93	80	43	101	45
Eclipse (bu/acre)	76	74	73	250 g TKW							CV%			13.1	6.8	13.5	10.0	10.9	8.2	11.1			
site years	7	12	16								LSD%			21	11	22	16	18	13	18			

¹ Seed size rating: S=small, M=medium, L=large; seed size from the same variety can vary greatly from year-to-year.

² Green seed coat rating: G=0–10%; F=11–25%

³ Resistance to rating: P=poor, F=fair, G=good, VG=very good, n/a is not available.

⁴ Seed coat dimpling rating : VG=0–5%; G=6–20%; F=21–50%

⁵ Long Term Average Yield is the best indicator of variety performance. Use single year site data with caution.