



Pulse Variety Evaluation in 2007

This insert features the results from MPGA sponsored trials.

The results found within this publication are made possible with your continued support through the 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.

Variety Evaluation Trials – Notes

At the bottom of each yield data table you will see two terms – CV (Coefficient of Variation) and LSD (Least Significant Difference). After the trial data is analyzed, these statistics are generated. While these terms are defined in the key below, some explanation of how to use them effectively is appropriate. Coefficient of Variation is a measurement that describes the amount of variation found within the trial – trials with a CV less than 15% are considered valid. CVs lower than 15 indicate a uniform trial that will maximize differences between varieties.

For the edible bean trials the LSD represents the amount of beans (in lb/acre) that two varieties have to differ before you can say with a 95% chance of certainty that a true difference exists between those two varieties in the same trial. For example, the Morden wide row Black bean trial has a LSD of 310 lb/acre; the check variety CDC Jet has a yield of 2516 lb/acre. This means that varieties having a yield greater than 2826 lb/acre would be significantly higher yielding (Loretto, 99066, 0919, Harohawk and Black Violet) while varieties having a yield less than 2206 lb/acre (none) yielded significantly less than the check variety. At the Morden site, the varieties T-39 and CDC 1519-10 have statistically similar yields to CDC Jet.

For all other trials, the LSD is a % – not bu/acre. This is because the yield data is presented as a % of the check in the table with the actual yield being found in the CHECK CHARACTERISTICS box at the bottom of the table. The method of

variety comparison using the LSD remains the same.

Each table also includes the number of site-years that data was collected to provide the yield number. The bigger the number the more confident you can be in the yield estimation, as the number has been developed over more than one or two sites or growing seasons. Remember, the best way to determine the suitability of a variety is to see it in as many different settings and even years as possible.

In each table, data from the check varieties is bolded in an effort to make it easier for you to compare it with other varieties.

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 the crop yield, disease and seed quality data in time for this publication. In addition we would like to acknowledge 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 Anthraco nose Incidence – % plant tissue infected Rust Incidence – % plant tissue infected White Mould Incidence – Percent 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.

2007 WIDE ROW SCREENING TRIAL – SMALL SEED SIZE

Carman

Entry	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 %	Qual 1-5	TKW
NAVY													
AC Cruiser	95	2407	2b	73	1	90	3	30	0	0	0	3	184
Cargo	93	2634	1	55	1	85	3	40	0	0	0	1	186
Cirrus	90	2500	2b	63	2	83	3	25	0	0	0	3	188
Envoy	91	2464	1	55	1	87	3	32	0	0	0	2	181
Galley	96	2312	2b	65	1	83	3	32	0	0	0	2	189
GTS 546	91	1796	1	60	1	88	3	28	0	0	0	2	179
Morden003	87	1867	1	52	1	90	3	27	0	0	0	2	182
T9903	94	2557	2b	84	2	88	3	20	0	0	0	2	221
0904	91	2145	1	58	1	92	3	33	0	0	0	2	170
0905	95	2787	1	62	2	90	3	33	0	0	0	2	175
0917	94	2589	2b	79	1	90	3	27	0	0	0	3	201
0918	95	2302	2a	70	1	87	3	32	0	0	0	3	202
2084	95	2497	2a	80	1	90	3	28	0	0	0	3	198
3019	98	2715	2a	67	1	93	3	25	0	0	0	3	179
CDC 1190M-13	93	2738	2b	70	1	92	3	25	0	0	0	3	185
N220185	101	2208	2b	80	2	90	3	28	0	0	0	2	195
N252185	94	2751	2a	75	2	90	3	27	0	0	0	2	166
N32221	100	2463	2a	63	2	88	3	28	0	0	0	2	179
N3284	96	2483	2a	70	1	90	3	22	0	0	0	2	195
N33210	97	2066	2a	70	2	80	3	30	0	0	0	3	203
N3467	100	2084	2b	77	2	83	3	25	0	0	0	2	203
N3724	99	1880	2b	82	1	92	3	35	0	0	0	2	189
Seabiskit	98	2853	2b	80	3	90	3	33	0	0	0	2	173
T10101	96	2466	1	60	2	87	3	33	0	0	0	1	171
Mean		2398											
CV %		7.4											
LSD		293											

Portage

Entry	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 %	Qual 1-5	TKW
NAVY													
AC Cruiser	104	2712	-	49	2	-	3	35	0	0	1	3	172
Cargo	92	2169	-	39	3	-	3	43	0	0	0	1	169
Cirrus	86	2443	-	40	2	-	3	15	0	0	1	2	173
Envoy	96	2040	-	44	3	-	3	22	0	0	0	1	169
Galley	100	2486	-	50	2	-	3	25	0	0	2	3	190
GTS 546	92	2160	-	38	3	-	3	37	0	0	2	1	171
Morden003	89	2133	-	43	2	-	3	17	0	0	3	2	167
T9903	101	2662	-	46	2	-	3	8	0	0	0	1	202
0904	86	2119	-	40	4	-	3	37	0	0	0	1	158
0905	91	2050	-	41	3	-	3	30	0	0	3	2	158
0917	103	3433	-	48	2	-	3	5	0	0	0	3	191
0918	103	3012	-	50	2	-	3	20	0	0	1	2	197
2084	99	2671	-	56	2	-	3	40	0	0	0	3	181
3019	103	2637	-	58	2	-	3	15	0	0	0	2	170
CDC 1190M-13	101	2702	-	43	2	-	3	25	2	0	7	3	173
N220185	105	2363	-	50	2	-	3	22	0	0	0	2	176
N252185	104	2378	-	49	2	-	2	10	0	0	0	2	162
N32221	106	2819	-	47	2	-	3	12	0	0	0	2	174
N3284	104	2228	-	57	2	-	3	8	0	0	0	3	181
N33210	103	2272	-	50	2	-	3	22	0	0	0	3	185
N3467	106	2475	-	49	2	-	3	15	0	0	0	2	195
N3724	105	2388	-	52	2	-	3	20	0	0	0	3	174
Seabiskit	100	2464	-	44	3	-	3	27	0	0	1	2	164
T10101	105	2903	-	40	3	-	3	23	0	0	0	2	166
Mean		2488											
CV %		11.2											
LSD		579											

Morden

Entry	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 %	Qual 1-5	TKW
NAVY													
AC Cruiser	121	2582	2b	78	2	85	3	32	0	0	0	3	201
Cargo	110	2097	1	42	1	88	3	30	0	0	0	2	198
Cirrus	108	3014	2a	75	2	85	3	23	0	0	1	2	201
Envoy	116	2903	1	50	1	88	3	30	0	0	0	2	197
Galley	118	3114	2b	80	1	87	3	30	0	0	0	2	223
GTS 546	115	2019	1	48	1	87	3	27	0	0	1	2	198
Morden003	98	2193	1	47	1	90	3	23	0	0	0	2	177
T9903	118	2622	2a	68	2	88	3	28	0	0	0	2	239
0904	115	1970	1	48	1	87	3	28	0	0	1	2	193
0905	117	2543	1	48	1	85	3	37	0	0	0	2	181
0917	117	3432	2b	83	2	88	3	30	0	0	0	3	209
0918	118	2787	2a	63	2	87	3	33	0	0	0	3	218
2084	121	3504	2b	82	1	92	3	28	0	0	0	3	226
3019	120	2683	2a	70	1	92	3	23	0	0	0	3	198
CDC 1190M-13	119	2916	2a	77	1	87	3	23	0	0	0	4	202
N220185	121	3198	2b	83	2	87	3	22	0	0	0	2	207
N252185	119	2389	2b	72	2	87	3	23	0	0	0	2	181
N32221	119	3127	2a	72	2	85	3	32	0	0	0	2	186
N3284	120	3291	2a	78	1	90	3	22	0	0	0	3	219
N33210	118	1853	2a	72	2	85	3	35	0	0	0	3	218
N3467	122	2993	2b	80	2	87	3	22	0	0	0	3	230
N3724	119	3108	2b	78	1	88	3	25	0	0	0	3	204
Seabiskit	121	3518	2b	73	2	88	3	27	0	0	0	2	181
T10101	116	3162	1	55	1	87	3	18	0	0	0	2	173
Mean		2792											
CV %		6.5											
LSD		296											

Winkler

Entry	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 %	Qual 1-5	TKW
NAVY													
AC Cruiser	118	2807	2b	73	2	82	3	35	0	0	1	3	190
Cargo	112	3141	1	48	2	90	3	35	0	0	2	3	200
Cirrus	107	3272	2b	73	2	82	3	32	0	0	13	3	191
Envoy	110	3057	1	47	2	87	3	37	0	0	7	2	195
Galley	117	2906	2a	80	1	83	3	37	0	0	1	3	220
GTS 546	107	2573	1	47	1	88	3	33	0	0	3	3	193
Morden003	96	2376	1	47	1	87	3	25	0	0	0	3	179
T9903	110	3139	2a	77	2	87	3	30	0	0	13	2	213
0904	112	2549	1	58	2	87	3	37	0	0	13	3	186
0905	118	2448	1	50	2	82	3	25	0	0	4	2	187
0917	112	4273	2b	85	2	87	3	32	0	0	8	3	199
0918	118	3057	2a	72	2	85	3	37	0	0	10	2	213
2084	115	3531	2b	73	2	90	3	37	0	0	3	2	213
3019	118	2757	2a	65	1	85	3	30	0	0	2	2	193
CDC 1190M-13	112	3254	2b	77	2	88	3	27	0	0	2	3	190
N220185	118	1964	2b	78	1	87	3	35	0	0	0	2	196
N252185	118	2620	3	72	1	87	3	28	0	0	0	3	185
N32221	118	2527	2a	70	1	85	3	28	0	0	0	2	185
N3284	118	2423	2a	67	1	87	3	27	0	0	0	2	210
N33210	116	2514	2b	72	1	87	3	35	0	0	0	3	214
N3467	118	2424	2b	78	1	80	3	27	0	0	0	3	227
N3724	118	2984	2b	85	2	83	3	38	0	0	6	2	194
Seabiskit	118	3828	2a	87	1	83	3	35	0	0	8	3	182
T10101	112	2986	1	57	2	83	3	33	0	0	16	3	168
Mean		2892											
CV %		7.4											
LSD		353											

2007 WIDE ROW SCREENING TRIAL – MEDIUM SEED SIZE

Carman

Entry	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 %	Qual 1-5	TKW
PINTO													
AC Ole	92	3280	3	113	2	90	3	13	0	0	0	1	401
AC Pintoba	94	3123	2a	113	3	85	3	15	1	0	0	2	406
Agrinto	87	2747	2b	107	1	88	3	25	1	0	0	2	376
Island	88	3534	2b	120	3	82	3	25	0	0	0	1	380
Maverick	91	3070	3	118	3	82	3	18	0	0	0	1	405
Pecos	89	3175	2a	83	2	83	3	27	0	0	0	2	344
0867	90	2979	2b	115	3	90	3	33	0	0	0	2	377
0868	86	3209	2b	97	2	82	3	22	0	0	0	2	347
0920	88	3154	2b	108	3	83	3	28	0	0	0	2	349
0921	87	3162	2b	92	2	85	3	23	0	0	0	2	337
97028-11	86	2552	2a	112	2	87	3	27	0	0	0	1	376
CDC 1073M-38	86	2834	3	92	2	82	3	25	0	0	0	2	413
Sonora	91	2985	2b	85	2	85	3	32	0	0	0	2	333
Windbreaker	90	3206	3	103	2	80	3	22	0	0	0	2	402
Mean		3072											
CV %		5.5											
LSD		281											

BLACK

Black Violet	96	2063	2a	63	1	88	3	20	0	0	0	2	188
CDC Jet	93	2354	2a	62	2	88	3	32	0	0	0	2	220
Harohawk	97	3462	2a	63	1	92	3	27	0	0	0	3	203
0919	91	3111	2a	72	1	92	3	27	0	0	0	2	175
99066	89	2599	2a	63	1	90	3	23	0	0	0	4	208
CDC 1519-10	86	2754	2a	63	1	87	3	23	0	0	0	2	185
Loretto	94	2667	2a	79	1	93	3	30	0	0	0	2	204
T-39	92	2383	2a	68	2	90	3	30	0	0	0	2	200
Mean		2674											
CV %		7.1											
LSD		330											

Portage

Entry	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 %	Qual 1-5	TKW
PINTO													
AC Ole	91	2621	-	42	3	-	3	13	0	0	8	1	366
AC Pintoba	96	2614	-	42	4	-	3	10	1	0	2	2	353
Agrinto	86	2447	-	43	2	-	3	13	4	0	7	2	323
Island	85	2392	-	35	3	-	3	23	0	0	5	1	317
Maverick	91	2442	-	35	3	-	3	17	0	0	2	1	352
Pecos	91	2094	-	50	2	-	3	13	8	0	13	2	287
0867	88	2787	-	40	3	-	3	40	0	0	7	2	318
0868	85	2995	-	40	3	-	3	22	0	0	10	2	320
0920	85	2967	-	38	2	-	3	27	0	0	3	2	303
0921	85	2432	-	43	3	-	3	20	0	0	13	1	303
97028-11	86	2330	-	38	3	-	3	20	0	0	10	1	334
CDC 1073M-38	88	2503	-	35	4	-	3	20	1	0	11	1	409
Sonora	88	2641	-	40	2	-	3	20	3	0	1	2	287
Windbreaker	91	2504	-	35	3	-	3	17	0	0	10	1	345
Mean		2555											
CV %		11.7											
LSD		Not significant											

BLACK

Black Violet	102	2978	-	57	2	-	2	7	0	0	0	2	182
CDC Jet	96	2196	-	49	2	-	3	23	0	0	0	2	195
Harohawk	101	2550	-	49	2	-	3	15	0	0	8	3	190
0919	93	2744	-	45	1	-	3	25	1	0	1	2	152
99066	100	2215	-	58	2	-	3	20	0	0	0	3	199
CDC 1519-10	88	2509	-	50	2	-	2	20	0	0	0	2	179
Loretto	102	2240	-	53	2	-	3	15	0	0	0	2	191
T-39	100	2573	-	44	3	-	3	22	0	0	1	2	193
Mean		2501											
CV %		11.2											
LSD		Not significant											

Morden

Entry	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 %	Qual 1-5	TKW
PINTO													
AC Ole	109	3609	2b	98	2	83	3	15	0	1	1	2	421
AC Pintoba	110	1985	2b	92	3	85	3	10	0	0	0	2	425
Agrinto	98	2364	2a	85	1	88	3	22	1	0	0	2	359
Island	103	2746	2b	78	2	77	3	20	0	0	1	2	384
Maverick	107	2293	2b	90	3	82	3	17	0	0	0	2	408
Pecos	107	3430	2a	72	1	83	3	23	0	0	1	2	349
0867	110	3121	2b	95	2	85	3	35	0	1	0	2	379
0868	101	3610	2b	75	2	82	3	23	0	0	0	2	372
0920	106	3181	2b	92	3	80	3	25	0	0	1	2	372
0921	102	3006	2a	77	2	78	3	30	0	0	2	2	358
97028-11	97	2035	2a	70	2	80	3	25	0	0	0	2	365
CDC 1073M-38	97	2485	2b	73	2	83	3	22	3	0	0	2	432
Sonora	107	3212	2b	78	2	89	3	25	0	2	0	2	318
Windbreaker	108	3844	2b	105	2	80	3	22	0	5	0	2	394
	Mean	2923											
	CV %	5.3											
	LSD	261											

BLACK

Black Violet	118	3228	2a	68	1	92	3	10	0	0	0	2	207
CDC Jet	116	2516	2a	58	2	90	3	27	0	0	0	2	211
Harohawk	116	3438	2a	57	1	92	3	23	0	0	0	3	201
0919	121	3193	2a	55	1	90	3	12	0	0	0	3	188
99066	119	3196	2a	70	1	88	3	27	0	0	0	3	226
CDC 1519-10	108	2288	2a	48	1	90	3	28	0	0	0	2	196
Loretto	119	3072	2a	68	1	93	3	25	0	0	0	2	218
T-39	116	2979	2a	70	2	90	3	33	0	0	0	2	209
	Mean	2989											
	CV %	5.9											
	LSD	310											

Winkler

Entry	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 %	Qual 1-5	TKW
PINTO													
AC Ole	105	3653	2b	65	3	85	3	33	0	0	5	2	395
AC Pintoba	110	3509	3	98	3	85	3	22	0	0	5	2	408
Agrinto	98	2637	2a	88	1	88	3	27	0	0	3	2	338
Island	105	2285	2b	83	3	87	3	30	0	0	7	2	342
Maverick	105	3276	3	92	3	83	3	28	0	0	9	2	393
Pecos	102	2872	2a	72	2	83	3	25	0	0	8	2	326
0867	104	3170	2a	90	3	83	3	37	0	0	5	2	351
0868	96	3120	2b	77	3	83	3	25	0	0	20	3	332
0920	103	3503	2a	80	13	83	3	30	0	0	14	2	342
0921	94	2562	2a	67	2	82	3	22	0	0	15	3	328
97028-11	98	2481	2a	73	2	87	3	33	0	0	10	2	375
CDC 1073M-38	98	2670	2b	78	2	82	3	20	0	0	6	3	406
Sonora	104	2941	2a	78	2	89	3	30	0	0	24	2	326
Windbreaker	105	3600	2b	85	3	85	3	27	0	0	10	2	374
	Mean	3020											
	CV %	8.57											
	LSD	434											
BLACK													
Black Violet	114	3117	2a	78	2	90	3	33	0	5	28	4	202
CDC Jet	111	3098	2a	63	2	90	3	37	0	0	3	2	214
Harohawk	111	3523	2a	63	1	93	3	35	0	0	13	3	211
0919	112	2835	2b	65	2	88	3	22	0	0	15	2	185
99066	111	2485	2a	82	1	90	3	32	0	0	5	2	217
CDC 1519-10	104	3069	2a	55	1	90	3	28	0	0	0	2	193
Loretto	117	3064	2a	78	2	88	3	40	0	0	7	2	214
T-39	113	3097	2a	72	3	85	3	42	0	0	3	3	209
	Mean	3036											
	CV %	6.3											
	LSD	334											

2007 WIDE ROW SCREENING TRIAL – MEDIUM TO LARGE SEED SIZE

Carman

Entry	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 %	Qual 1-5	TKW
GREAT NORTHERN													
AC Polaris	90	2902	3	95	3	85	3	23	0	0	0	1	323
Beryl	90	3034	3	107	3	83	3	28	0	0	0	2	299
Orion	94	3398	2a	102	3	85	3	23	0	0	0	2	375
	Mean	3111											
	CV %	3.8											
	LSD	270											
PINK													
Early Rose	82	2479	3	75	3	72	3	28	0	0	2	2	310
Pink Floyd	90	2887	2b	108	3	80	3	30	0	0	0	2	316
Sedona	98	2675	2b	90	3	90	3	25	0	0	0	3	392
	Mean	2680											
	CV %	9.0											
	LSD	Not significant											
SMALL RED													
AC Scarlet	97	3175	2b	93	3	83	3	30	0	0	0	2	380
AC Redbond	88	2611	2b	82	2	85	3	30	0	0	0	1	305
AC Earlired	88	2501	2a	108	3	78	3	33	1	0	0	2	353
	Mean	2762											
	CV %	9.1											
	LSD	Not significant											
WHITE KIDNEY													
GTS401	108	2816	1	55	2	85	3	32	0	0	0	3	376
GTS 402	90	1331	1	58	1	80	3	25	0	0	1	2	412
	Mean	2074											
	CV %	3.9											
	LSD	283											
CRANBERRY													
Cran 09	90	1653	1	52	1	80	3	40	0	0	0	2	395
Etna	91	1671	1	53	1	80	3	40	0	0	0	2	419
Capri	106	2108	1	57	2	77	3	40	0	0	0	2	460
	Mean	1811											
	CV %	13.5											
	LSD	Not significant											

Portage

Entry	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 %	Qual 1-5	TKW
GREAT NORTHERN													
AC Polaris	88	2417	-	35	4	-	3	20	2	0	4	2	275
Beryl	88	2486	-	38	4	-	3	23	0	0	4	2	258
Orion	92	3253	-	42	3	-	3	13	0	0	5	2	331
	Mean	2719											
	CV %	7.2											
	LSD	442											
PINK													
Early Rose	84	2325	-	32	2	-	3	27	0	0	10	2	273
Pink Floyd	88	2640	-	32	4	-	3	22	0	0	4	2	306
Sedona	93	2687	-	43	4	-	3	10	0	0	0	2	326
	Mean	2551											
	CV %	9.3											
	LSD	Not significant											
SMALL RED													
AC Scarlet	92	2470	-	42	3	-	3	18	0	0	10	2	324
AC Redbond	88	2572	-	38	2	-	3	23	0	0	2	1	287
AC Earlired	84	2417	-	32	3	-	3	22	4	0	10	2	304
	Mean	2486											
	CV %	11.4											
	LSD	Not significant											
WHITE KIDNEY													
GTS401	104	2426	-	47	3	-	3	18	0	0	0	3	341
GTS 402	93	2533	-	43	4	-	3	27	0	0	2	3	373
	Mean	2479											
	CV %	12.3											
	LSD	Not significant											
CRANBERRY													
Cran 09	91	2260	-	38	6	-	4	40	0	0	0	1	393
Etna	88	2412	-	40	2	-	3	27	0	0	0	1	428
Capri	100	2225	-	43	3	-	3	42	0	0	0	2	436
	Mean	2299											
	CV %	4.5											
	LSD	Not significant											

Morden

Entry	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 %	Qual 1-5	TKW
GREAT NORTHERN													
AC Polaris	107	3381	2b	88	3	80	3	13	8	0	0	1	341
Beryl	109	2744	2b	105	2	83	3	22	0	2	0	3	291
Orion	112	3010	2b	93	2	83	3	18	0	2	0	2	376
	Mean	3045											
	CV %	4.3											
	LSD	296											
PINK													
Early Rose	94	2112	2a	55	2	78	3	25	0	0	0	3	322
Pink Floyd	109	2943	2b	97	4	72	3	27	0	1	1	3	342
Sedona	112	2373	2a	92	3	82	3	20	0	1	0	4	396
	Mean	2476											
	CV %	2.9											
	LSD	161											
SMALL RED													
AC Scarlet	110	3299	2b	78	3	80	3	20	0	0	4	2	379
AC Redbond	102	2431	2a	70	1	90	3	33	0	0	0	2	312
AC Earlired	97	2893	2a	53	2	78	3	23	2	0	0	2	362
	Mean	2874											
	CV %	2.0											
	LSD	131											
WHITE KIDNEY													
GTS401	113	2034	1	52	1	83	3	25	0	0	0	3	343
GTS 402	103	2037	1	52	1	88	3	37	0	0	1	3	378
	Mean	2036											
	CV %	3.8											
	LSD	Not significant											
CRANBERRY													
Cran 09	104	1480	1	45	1	85	4	50	0	0	0	2	385
Etna	103	1670	1	42	1	77	4	47	0	0	0	2	419
Capri	116	1600	1	50	1	83	3	22	0	0	0	3	420
	Mean	1584											
	CV %	4.1											
	LSD	Not significant											

Winkler

Entry	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 %	Qual 1-5	TKW
GREAT NORTHERN													
AC Polaris	109	3243	3	95	4	80	3	25	0	0	22	2	340
Beryl	111	3090	2b	62	3	77	3	33	0	0	18	3	300
Orion	111	3423	2b	87	3	85	3	33	0	0	10	3	369
	Mean	3252											
	CV %	6.2											
	LSD	Not significant											
PINK													
Early Rose	93	2341	2a	67	2	80	3	30	0	0	3	3	300
Pink Floyd	105	3080	3	90	4	77	3	35	0	0	22	3	331
Sedona	112	2947	2b	92	2	90	3	28	0	0	3	3	394
	Mean	2789											
	CV %	5.8											
	LSD	365											
SMALL RED													
AC Scarlet	106	3021	2b	82	3	83	3	30	0	0	11	2	358
AC Redbond	98	2586	2a	73	2	88	3	30	0	0	9	2	303
AC Earlired	96	2528	2a	67	3	77	3	28	0	0	23	2	339
	Mean	2712											
	CV %	7.2											
	LSD	Not significant											
WHITE KIDNEY													
GTS401	117	2697	1	50	1	78	3	43	0	0	1	3	393
GTS 402	104	2057	1	48	1	78	3	40	0	0	0	3	396
	Mean	2377											
	CV %	3.5											
	LSD	289											
CRANBERRY													
Cran 09	96	2038	1	43	2	78	3	37	0	0	0	2	405
Etna	103	2121	1	45	1	77	3	40	0	0	0	2	479
Capri	112	2535	1	50	2	82	4	53	0	0	0	1	472
	Mean	2232											
	CV %	6.6											
	LSD	335											

SUMMARY – 2007 WIDE ROW SCREENING TRIAL

	Type 1– 3	Yield (lb/acre)			Days to Maturity			% Pod Height > 5cm			Seed Size (TKW)		
		2007	07/06	07/06/05	2007	07/06	07/06/05	2007	07/06	07/06/05	2007	07/06	07/06/05
NAVY													
AC Cruiser	2b	2627	2669	2461	109	103	109	86	85	86	187	184	191
Cargo	1	2510	2598	2839	102	98	105	88	84	85	188	182	191
Cirrus	2a	2807	2756	2978	98	96	104	83	77	78	188	180	186
Envoy	1	2616	2508	2636	103	100	102	87	84	87	186	181	186
Galley	2b	2705	2628	2775	108	102	108	84	83	85	206	195	201
GTS 546	1	2137	2336	–	101	97	–	88	85	–	185	180	–
Morden003	1	2142	2346	2410	93	92	97	89	87	86	176	172	185
T9903	2a	2745	2631	2738	106	100	103	88	86	85	219	209	215
0904	1	2196	–	–	101	–	–	88	–	–	177	–	–
0905	1	2457	–	–	105	–	–	86	–	–	175	–	–
0917	2b	3432	–	–	107	–	–	88	–	–	200	–	–
0918	2a	2790	–	–	109	–	–	86	–	–	207	–	–
2084	2b	3051	–	–	107	–	–	91	–	–	205	–	–
3019	2a	2698	–	–	110	–	–	90	–	–	185	–	–
CDC 1190M-13	2a	2903	–	–	106	–	–	89	–	–	188	–	–
N220185	2b	2433	–	–	111	–	–	88	–	–	193	–	–
N252185	2b	2534	–	–	109	–	–	88	–	–	173	–	–
N32221	2a	2734	–	–	111	–	–	86	–	–	181	–	–
N3284	2a	2606	–	–	110	–	–	89	–	–	201	–	–
N33210	2a	2176	–	–	109	–	–	84	–	–	205	–	–
N3467	2b	2494	–	–	112	–	–	83	–	–	214	–	–
N3724	2b	2590	–	–	110	–	–	88	–	–	191	–	–
Seabiskit	2b	3166	–	–	109	–	–	87	–	–	175	–	–
T10101	1	2879	–	–	107	–	–	86	–	–	170	–	–
PINTO													
AC Ole	2b	3291	2668	2922	99	96	99	86	79	79	389	379	391
AC Pintoba	2b	2808	2435	2877	102	100	103	85	78	80	398	383	394
Agrinto	2a	2549	2231	2231	92	90	90	88	88	88	327	326	326
Island	2b	2739	–	–	95	–	–	82	–	–	396	–	–
Maverick	2b	2770	2412	2987	99	95	100	82	75	76	379	362	386
Pecos	2a	2893	2339	2339	97	94	94	83	80	80	349	334	334
0867	2b	3014	–	–	98	–	–	86	–	–	356	–	–
0868	2b	3233	–	–	92	–	–	82	–	–	343	–	–
0920	2b	3201	–	–	96	–	–	82	–	–	342	–	–
0921	2a	2791	–	–	92	–	–	82	–	–	331	–	–
97028-11	2a	2350	–	–	92	–	–	84	–	–	316	–	–
CDC 1073M-38	2b	2623	–	–	92	–	–	82	–	–	362	–	–
Sonora	2b	2945	–	–	97	–	–	88	–	–	415	–	–
Windbreaker	2b	3288	2776	–	98	95	–	82	75	–	356	359	–
BLACK													
Black Violet	2a	2846	2625	2770	107	102	109	90	87	88	195	188	197
CDC Jet	2a	2541	2363	2711	104	100	104	89	89	88	210	197	203
Harohawk	2a	3243	2706	3082	106	101	107	92	90	91	201	198	205
0919	2b	2971	–	–	104	–	–	90	–	–	175	–	–
99066	2a	2624	–	–	105	–	–	89	–	–	212	–	–
CDC 1519-10	2a	2655	–	–	97	–	–	89	–	–	188	–	–
Loretto	2a	2761	–	–	108	–	–	92	–	–	207	–	–
T-39	2a	2758	–	3109	105	–	113	88	–	85	203	–	208
PINK													
Early Rose	2a	2314	2201	2372	88	84	89	77	75	77	302	302	331
Pink Floyd	2b	2887	2606	2985	99	96	100	76	68	70	324	310	328
Sedona	2a	2670	–	–	104	–	–	87	–	–	377	–	–
CRANBERRY													
Cran 09	1	1858	–	–	95	–	–	81	–	–	395	–	–
Etna	1	1969	–	–	96	–	–	78	–	–	436	–	–
Capri	1	2117	–	–	108	–	–	81	–	–	447	–	–
GREAT NORTHERN													
AC Polaris	2b	2986	–	–	99	–	–	82	–	–	320	–	–
Beryl	2b	2839	–	–	100	–	–	81	–	–	287	–	–
Orion	2b	3271	–	–	103	–	–	84	–	–	363	–	–
SMALL RED													
AC Scarlet	2b	2991	2991	3928	101	101	106	82	82	85	360	360	383
AC Redbond	2a	2550	2550	3100	94	94	99	88	88	85	302	302	335
AC Earlired	2a	2585	2585	2781	91	91	97	78	78	77	339	339	362
WHITE KIDNEY													
GTS401	1	2493	–	–	110	–	–	82	–	–	363	–	–
GTS 402	1	1990	–	–	98	–	–	82	–	–	390	–	–

2007 WESTERN MANITOBA NARROW ROW EDIBLE BEAN TRIALS

Bean Class	Variety	Long Term Yield	Site Years Tested	Days to ¹ Maturity	Plant ² Type	2007 Yields (lb/acre)			
Small Seeded Types		% Envoy		+/- Envoy		Variety	Arborg	Carberry	Melita
Navy	AC Cruiser	115	15	0	II	AC Cruiser	1338	2687	1394
Navy	Cargo	91	3	-5	I	Cargo	1348	2275	1534
Navy	Envoy	100	-	0	I	Envoy	1397	2703	1558
Navy	Kippen	109	14	-1	II	Kippen	1344	2161	1354
Navy	Morden 003	100	10	-5	II	Morden003	1284	2142	1207
Navy	T9903	99	7	0	II	T9903	1335	1929	1431
Black	CDC Jet	105	18	-1	II	CDC Jet	1417	2040	1263
Large Seeded Types		% CDC Pintium		+/- CDC Pintium					
Pinto	CDC Pintium	100	-	0	I	CDC Pintium	1535	2331	1334
Pinto	Pecos	101	14	6	II	Pecos	1422	2275	1736
Pinto	Maverick	105	10	11	II	Maverick	1621	2692	1692
Pinto	Island	114	3	-1	II	Island	1735	2436	1731
Pinto	Windbreaker	129	3	8	II	Windbreaker	1336	3464	1919
Pinto	AC Ole	114	7	11	II	AC Ole	1412	3028	1795
CHECK CHARACTERISTICS		Yield lbs/acre	Site Years	Days to Maturity		Trial Mean (lb/acre)	1422	2441	1533
Bean Grouping						CV%	11.4	16.2	8.3
Small seeded beans – Envoy		1787	28	99		LSD (lb/acre)	270	657	212
Large seeded beans – CDC Pintium		2070	28	89		Sign Diff	Yes	Yes	Yes

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

² Growth Habit: I – determinate bush, II – indeterminate bush, III – indeterminate vine

LENTILS

Market Class ¹	Variety	Yield % of Eston	Site Years Tested	Maturity ² Rating	Seed Weight	Resistance to ³		2007 Yield: % of Eston	
						Ascochyta Blight	Anthracnose Race	Hamiota	Melita
Large green	CDC Glamis	104	13	VL	60	G	VP	-	-
	CDC Grandora	90	16	VL	69	G	VP	-	-
	CDC Greenland	102	6	ML	64	G	VP	66	116
	CDC Improve*	97	5	M	67	F	VP	69	133
	CDC Plato	113	15	ML	62	G	P	57	94
	CDC Sedley	103	14	M	68	F	VP	-	-
	CDC Sovereign	101	16	L	66	G	P	-	-
	Laird	77	41	VL	67	VP	VP	41	86
Medium green	CDC Meteor	118	9	M	51	G	P	-	-
	CDC Richlea	106	36	M	51	VP	VP	82	121
	CDC Vantage	105	13	M	52	G	VP	-	-
Small Green	CDC Milestone	98	18	E	37	G	VP	90	105
	CDC Viceroy	118	9	E	33	G	G	-	-
	Eston	100		E	33	VP	VP	100	100
French Green	CDC LeMay	106	10	E	32	F	VP	-	-
Small Red	CDC Blaze	92	14	E	34	G	P	-	-
	CDC Impact*	98	6	M	34	G	G	91	120
	CDC Redberry	108	9	EM	42	G	G	106	115
	CDC Rouleau	114	6	M	37	G	G	103	134
	Crimson	92	11	E	35	VP	VP	-	-
	CDC Robin	104	18	E	30	G	G	109	97
Extra Small Red	CDC Rosetown	112	6	E	31	G	G	109	110
	CDC Imperial*	102	6	E	30	G	G	98	110
CHECK CHARACTERISTICS						Yield – Eston (lb/acre)		2880	2177
Eston		1903 lb/acre	52 Site Years		33 g TKW	CV%		9.9	9.1
						LSD%		16	15
						Sign Diff		Yes	Yes

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

² Maturity ratings conducted under Saskatchewan conditions. E=early, M=Medium, L=Long, EM=Early-Medium, VL=Very Long

³ Resistance to rating: P=poor, F=fair, G=good, VG=very good. Disease resistance ratings determined under Saskatchewan conditions and may not hold true under the wetter climate in Manitoba.

* These varieties are tolerant to Odyssey and are referred to as CLEARFIELD lentils. In print CLEARFIELD lentils can be seen with the letters “CL” after the variety name (eg CDC Improve CL).

WESTERN SOYBEAN ADAPTATION TRIAL

2007 Yield in bu/acre by Test Location**

Variety	Days to* Maturity	Manitoba Sites***						Saskatchewan Sites				
		Dryland Production					Irrigated	Dryland Production				Irrigated
		Boissevain	Hamiota	Roblin	Melita	Carberry	Carberry	Saskatoon	Rosthern	Oxbow	Outlook	Outlook
T54002RR	116	32	41	41	36	43	58	31	24	27	31	23
90A01	117	29	39	48	40	48	62	35	28	23	33	30
Apollo RR	118	29	38	39	33	38	50	36	26	28	39	20
NSC Tyndall RR	118	35	39	43	42	42	56	36	25	28	30	22
RR Rosco	120	21	28	33	38	41	59	38	24	26	26	19
OAC Prudence	121	35	28	31	43	43	54	35	24	27	26	23
24-51R	122	34	31	32	37	44	61	32	23	29	28	18
90M01	123	42	24	21	38	45	55	37	12	28	29	22
CV%		12.0	6.4	10.9	7.4	2.3	3.6	9.2	10.9	8.5	10.8	11.0
LSD (bu/acre)		7	4	7	5	2	4	6	4	4	6	4

* Days to Maturity calculated from Boissevain, Hamiota and Carberry (dryland) sites.

** Unlike the Roundup Ready or Conventional Soybean data, yield from this table is reported in bu/acre.

*** Soybeans are not eligible for MASC Production Insurance in these Manitoba locations.

CONVENTIONAL SOYBEANS

2007 Yield: % of OAC Prudence

Manitoba Variety Zones	Company Heat Unit	Variety	Days to Maturity + / - of Check			Yield % Check	Site Years Tested	Hilum* Colour	Seed Size	IDC Score (1-5)	Arborg	Stonewall	Homewood	Portage	Ste Adolphe	Morris	Rosebank	Morden
			2007	2006	2005													
short season	2350	90A01	-7	-7	-	94	29	Y	M	-	91	94	88	95	101	86	-	-
	2375	Tundra	-7	-4	-	98	12	-	L	1.8	94	95	93	103	92	95	-	-
	Experimental lines are being tested/proposed for registration in Canada																	
	2400	PR634155	1	-	-	104	11	IY	L	-	101	113	112	95	106	97	-	-
	2450	OT05-21	2	4	-	94	9	Y	L	-	94	92	105	106	95	77	-	-
mid season	2450	OAC PRUDENCE	0	0	0	100	-	Y	L	1.9	100	100	100	100	100	100	100	100
	2550	OAC Carman	3	3	-	107	16	IY	L	2.4	100	108	105	104	107	107	-	-
	Experimental lines are being tested/proposed for registration in Canada																	
	OT06-07	3	-	-	101	6	Y	L	-	-	-	103	96	102	90	105	108	
	OT06-08	3	-	-	99	6	Y	L	-	-	-	101	95	98	84	101	111	
	OT05-20	6	4	-	97	9	Y	L	-	95	99	99	102	106	82	-	-	
PR634197	7	4	-	110	11	IY	M	-	-	-	112	107	110	99	112	117		
long season	2575	OAC Erin	8	5	5	111	24	Y	M	2.3	-	-	118	120	120	111	110	113
	2550	OAC Ayton	12	5	16	116	21	Br	M	3.2	-	-	118	97	119	111	124	117
	2500	OAC Gretna	13	7	13	112	16	IY	L	2.6	-	-	116	118	114	104	119	112
	Experimental lines are being tested/proposed for registration in Canada																	
	OT05-18	10	-	-	106	6	IY	L	-	-	-	114	112	115	90	105	103	
OT03-16	14	-	-	91	6	Y	M	-	-	-	91	82	97	82	94	98		
OAC 05-02	7	4	-	108	12	IY	M	-	94	106	112	105	114	100	-	-		
CHECK CHARACTERISTICS											47	52	56	54	41	51	63	77
OAC Prudence		116	107	110	50	48	2420	CV%	5.6	9.9	6.6	9.1	4.4	6.7	7.1	5.1		
		Days			bu/ acre	Site Years	seeds/ lb	LSD%	10	-	11	15	7	11	12	9		
								Sign Diff	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes		

* 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.

ROUNDUP READY SOYBEANS

2007 Yield: % of 25-02R

Manitoba Maturity Zone	Heat Unit Rating	Variety	Days to Maturity +/- of Check	Yield % Check	Site Years Tested	2007 Yield: % of 25-02R								Seed Size	IDC Score (1-5)		
						Arborg*	Stonewall	Homewood	Morris	Portage	Ste Adolphe	Morden	Rosebank				
short season area	2375	Apollo RR	-11	90	20	107	95	83	100	95	99	-	-	L	2.7		
	2375	NSC Warren RR	-11	93	16	105	95	90	103	95	97	-	-	M	2.5		
	2450	RR Rosco	-9	95	17	-	-	91	89	91	93	97	96	M	3.5		
	2375	Drako RR	-8	90	18	102	83	92	89	93	99	-	-	L	2.3		
	2400	NSC Tyndall RR	-8	94	18	94	92	93	94	94	100	-	-	S	2.2		
	2425	PS 26 RR	-8	90	19	93	91	85	93	99	89	-	-	M	2.5		
	2500	25-04R	-5	107	6	-	-	110	112	100	113	95	116	M	3.0		
	2450	Montcalm	-5	96	18	-	-	96	92	106	100	98	110	M	3.3		
	2425	LS 0036 RR	-4	107	17	103	102	106	116	109	115	-	-	S	2.3		
	2450	RR Regis	-5	100	22	96	92	89	92	86	94	-	-	S	3.0		
mid season area	2450	24-51R	-5	104	13	98	108	101	107	102	116	-	-	S	2.2		
	2500	90A06	-4	105	12	-	-	110	110	101	114	107	133	M	2.0		
	2450	RR Russell	-5	103	13	-	-	96	97	99	101	106	116	L	-		
	2500	NSC Portage RR	-3	110	15	108	105	97	107	104	115	126	115	S	2.5		
	2575	90M01	-1	107	13	-	-	107	109	97	108	102	125	M	2.4		
	2450	LS 0045 RR	-1	101	18	87	93	92	104	98	101	-	-	S	2.3		
	2450	26006 RR	1	110	18	-	-	103	113	96	108	105	120	M	2.0		
	2450	26005 RR	0	106	18	-	-	99	111	108	102	103	108	S	3.3		
	2450	LS 0065 RR	0	110	18	111	110	111	103	103	111	-	-	S	2.5		
	2450	27005 RR	0	107	12	106	108	105	110	106	107	-	-	M	2.5		
long season area	2550	NSC 2011 RR	0	103	18	101	107	96	98	107	106	-	-	S	2.4		
	2550	NSC 2007 RR	0	102	18	106	106	98	95	99	100	-	-	S	2.2		
	2500	25-02R	0	100		100	100	100	100	100	100	100	100	S	3.7		
	2500	LS 0087 RR	1	113	10	-	-	104	123	115	119	113	121	S	2.4		
	2600	NSC Coulee	1	103	13	-	-	109	111	102	110	115	126	M	2.5		
	2475	Olex RR	3	106	18	-	-	97	102	107	107	114	129	L	3.2		
	2575	90M02	2	106	6	-	-	104	97	103	113	105	114	M	2.8		
	2650	PS 46 RR	4	100	10	-	-	107	101	93	103	91	120	L	3.1		
	2550	Renfrew	5	107	11	-	-	108	105	102	112	93	114	L	2.5		
	2450	LS 0057 RR	4	105	13	-	-	110	101	100	117	111	120	M	3.1		
2650	Lynx RR**	5	109	13	-	-	109	109	115	119	94	130	L	3.4			
CHECK CHARACTERISTICS					bu/acre	37	55	59	54	56	42	70	56				
25-02R					118 Days	49 bu/acre	27 Site Years	CV%	6.2	5.4	5.9	5.3	7.2	5.6	8.3	7.5	3200 seeds/lb
					LSD%	10	9	10	8	12	9	13	12				
					Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes				

* Soybeans are not eligible for MASC Production Insurance in Arborg.

**This variety did not mature at all sites in 2007.

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 1 criteria for judging maturity. Experimental lines are not assigned a HU rating until they become registered.
- 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).
- 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) scores were recorded, 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. Ratings were taken from 2 sites in 2007 and 1 site in 2006. IDC tolerant varieties are varieties with lower IDC Scores and perform better on soils prone to iron deficiency chlorosis.

PEAS

Variety	Yield % of Eclipse	Site Years Tested	Seed Size ⁴	Green Seed Coats ⁵	Resistance to ²					2007 Yield: % of Eclipse ¹					
					Powdery Mildew	Lodging	Bleaching	Seed Coat Breakage	Seed Coat Dimpling ³	Boissecvain	Dauphin	Hamiota	Melita	Morden	
Yellow															
Agassiz	111	5	M	G	VG	G	n/a	G	VG	132	117	103	99	115	
Canstar	103	11	M	F	VG	G	n/a	G	G	131	118	90	100	103	
CDC Centennial	101	16	L	F	VG	F	n/a	G	G	112	104	81	101	99	
CDC Golden	90	14	M	G	VG	G	n/a	G	G	-	-	-	93	-	
CDC Meadow	101	22	M	G	VG	G	n/a	G	G	124	131	91	99	106	
Cutlass	91	23	M	G	VG	G	n/a	F	F	115	116	100	100	93	
Eclipse	100	-	L	G	VG	G	n/a	G	F	100	100	100	100	100	
FUSION	98	11	L	G	VG	G	n/a	F	G	98	114	86	107	92	
Noble	95	5	L	F	VG	G	n/a	F	F	94	111	80	100	94	
Polstead	98	11	L	F	VG	G	n/a	F	VG	90	114	86	97	90	
Reward	101	11	L	F	VG	G	n/a	G	VG	121	113	99	107	107	
SW Benefit	85	11	M	F	VG	F	n/a	F	VG	118	85	75	99	90	
SW Cartier	95	11	M	F	VG	F	n/a	F	F	105	124	77	105	91	
SW Marquee	91	15	M	G	VG	G	n/a	G	G	126	118	89	98	89	
Thunderbird	104	5	M	F	VG	G	n/a	G	VG	113	111	103	108	92	
<i>Varieties that are being tested or proposed for registration</i>															
APCM 97107	95	5	L	G	VG	F	n/a	G	G	97	117	50	108	111	
CDC 1400-8	99	5	S	G	VG	G	n/a	G	G	105	97	105	101	89	
CDC 1410-15	106	5	M	G	VG	G	n/a	F	G	131	111	94	95	109	
Green															
BLUEBIRD	86	15	M	n/a	VG	F	n/a	n/a	G	103	83	57	102	79	
CDC Striker	87	22	M	n/a	P	G	G	VG	G	107	93	91	100	86	
COOPER	94	21	L	n/a	VG	G	G	F	G	98	123	96	95	71	
SW Sergeant	88	15	S	n/a	VG	G	G	G	F	100	100	92	100	70	
TAMORA	88	11	L	n/a	VG	G	F	F	G	99	82	79	97	78	
<i>Varieties that are being tested or proposed for registration</i>															
CDC 1434-20	105	5	M	n/a	VG	G	G	G	G	120	108	102	103	100	
Other Pea types															
CDC Rocket (Maple)	90	11	M	n/a	VG	F	n/a	n/a	G	111	92	80	105	100	
CDC Tucker (Silage)	91	11	S	n/a	VG	G	n/a	n/a	VG	99	86	91	103	89	
CDC 1287-2 (Silage)	90	5	S	n/a	VG	G	n/a	n/a	VG	97	98	82	107	72	
CHECK CHARACTERISTICS										Yield – Eclipse (bu/acre)					
Eclipse	72 bu/acre	37 Site Years	250 g TKW							CV %	8.3	12.6	12.0	10.2	9.6
										LSD %	14	21	20	-	16
										Sign Diff	Yes	Yes	Yes	No	Yes

¹ Long Term Average Yield is the best indicator of variety performance. Use single year site data with caution.

² Resistance to rating: P=poor, F=fair, G=good, VG=very good, n/a is not available.

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

⁴ Seed size rating: S=small, M=medium, L=large; seed size from the same variety can vary greatly from year-to-year.

⁵ Green seed coat rating: G=0-10%; F=11-25%