



Varieties of Pulse Crops for Alberta

This publication provides information on pulse crop variety performance in Alberta and northeastern British Columbia. Important agronomic characteristics and disease resistance information are provided for varieties of field pea, chickpea, lentil, fababean, dry bean and soybean.

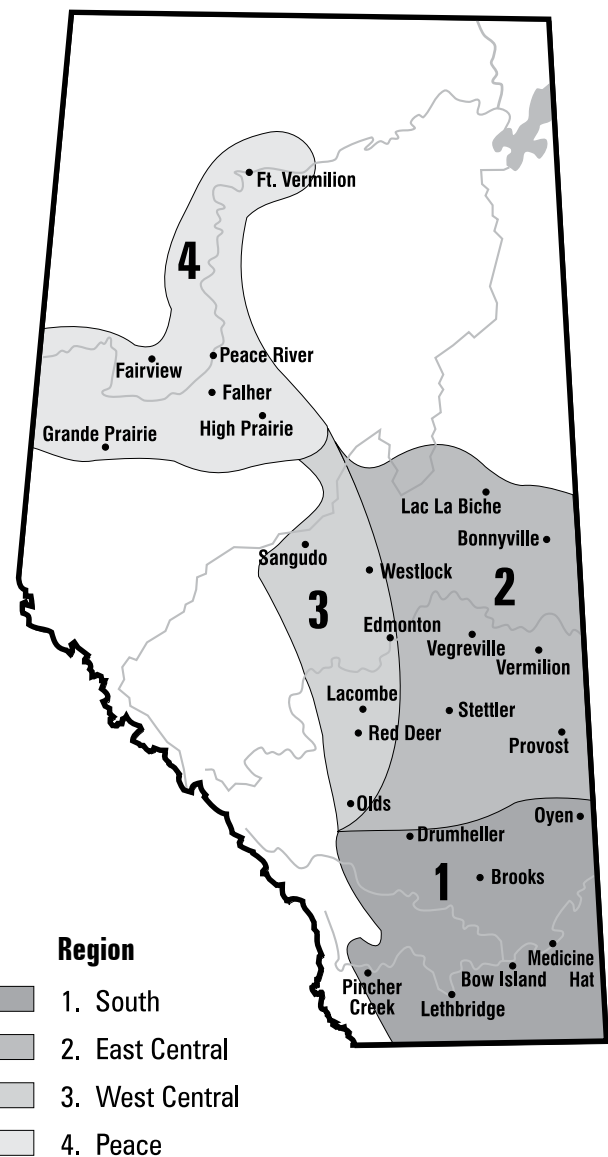
The Alberta Regional Variety Testing program for pulse crops is co-ordinated by the Alberta Pulse Growers Commission (APGC) and Alberta Agriculture and Rural Development (AARD). Funding for the program is provided by Agriculture Agri-Food Canada (Growing Forward II), AARD, APGC and entry fees (private companies) for the varieties being tested.

Data for this publication are contributed by numerous applied research associations, the Prairie Grain Development Committee and AARD.

Varieties

Variety choice is one of the important decisions any crop producer makes, and the choice should never be based solely on genetic yield potential of a variety. Producers are encouraged to select varieties based on local growing conditions and planned end use.

As well, growers should consider other factors such as plant height, standability (lodging) at physiological maturity and disease/pest resistance when selecting which variety to grow. Using long-term, multi-site data will lead to the selection of the best, yield-stable varieties.



The yield comparison tables in this factsheet have several features:

- Overall actual yield of the standard check (kg/ha) based on all data available to the testing program is provided along with the number of station years of testing.
- Actual yield of the standard check in each growing area for field pea is reported.
- Average yield of each variety is expressed relative to the standard check.
- Significant statistical differences relative to the standard check are indicated.


Yields that are statistically higher (+) or lower (-) than the check are indicated. No symbol after the yield figure indicates that there is no statistical difference from the check.

Pay particular attention to data on new varieties that have not been fully tested. If a large difference from the check is reported but is not significant, it could mean that yields have varied widely, and/or there are not enough data to prove a statistical difference. With additional years of testing, the reported yield differences will become more accurate.

The following trials were grown in 2014:

- 16 green and yellow pea sites established across Alberta and 2 sites in north eastern British Columbia
- 4 chickpea trials at Bow Island, Brooks, Lethbridge and Medicine Hat
- 5 lentil trials at Bow Island, Brooks, Lethbridge, Medicine Hat and Oyen
- 3 wide row dry bean trials at Bow Island, Lethbridge and Vauxhall
- 2 narrow row dry bean Lethbridge and Vauxhall
- 11 fababean and 10 soybean trials established across Alberta

Plant Breeder's Rights

Varieties displaying the symbol  are subject to Plant Breeder's Rights (PBR). Any unauthorized sale of seed of these varieties is an infringement under the legislation. Under PBR, producers are allowed to save seed of the variety for their own use, to plant on their own farms.

For additional information, including varieties not listed in this factsheet, please call Alberta Ag-Info Centre toll-free at 310-FARM (3276) or check the Alberta Agriculture and Rural Development website, Ropin' the Web at agriculture.alberta.ca/rvt

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FIELD PEA – YELLOW

Variety	South		East Central		Central		Peace		Total site years	Overall yield (%)	Agronomic Characteristics				Tolerance to ⁴					
	Site years	Yield %	Site years	Yield %	Site years	Yield %	Site years	Yield %			Maturity rating ¹	Vine length (cm)	TSW ² (g)	Standability ³ (1 – 9)	Powdery Mildew	Mycoshpae-rella Blight	Fusarium Wilt	Seed Coat Breakage	Seed Coat Dumpling ⁵	Green Seed Coat ⁶
Varieties tested in the 2014 trials (Relative Yield as % of CDC Meadow)																				
CDC Meadow (kg/ha)	3748		4555		6350		5198		4904											
CDC Meadow	26	100	33	100	19	100	40	100	118	100	E	82	209	3.6	VG	F	F	G	G	G
AAC Lacombe ▲	9	116+	9	105	5	115	10	111+	33	112+	M	80	251	2.8	VG	F	P	G	F	G
AAC Peace River	9	97	9	92	5	92	10	100	33	96	VE	74	211	4.7	VG	F	F	F	G	G
Abarth ▲	13	106	14	103	8	101	14	99	49	102	M	77	249	3.6	VG	F	F	F	G	G
CDC Amarillo	13	106	14	99	8	115+	14	105+	49	105+	M	83	221	2.9	VG	F	G	F	F	G
CM3404 (A)	5	105	4	89	3	96	5	101	17	99	M	79	261	3	VG	F	F	F	XX	XX
LN4228 (A)	5	101	4	96	3	93	5	92	17	96	M	70	242	1.8	VG	F	F	F	F	G
Fully Tested Varieties (Relative Yield as % of CDC Meadow)																				
CDC Saffron	13	108	14	101	4	100	16	101	47	103	M	84	236	4.3	VG	F	F	G	F	G
Hugo ☉	11	102	14	83-	5	90	17	96	47	93-	M	73	210	5.2	VG	F	F	G	F	F
Stella NR F ☉	11	76-	14	80-	5	83-	15	81-	45	80-	M	95	213	3.9	VG	F	F	G	G	F
Fully Tested Varieties (Relative Yield as % of Cutlass: 2003 – 2011)																				
Cutlass (kg/ha) ☉	3243		3485		5665		4684		4292											
Cutlass ☉	26	100	38	100	25	100	61	100	151	100	M	71	228	4	VG	F	F	F	F	G
Agassiz ☉	6	100	11	102	9	102	20	104	46	103	M	77	236	2.9	VG	F	F	G	VG	G
Argus ☉	7	100	9	114+	3	103	14	101	33	105+	M	89	227	4.1	VG	F	F	F	F	G
CDC Centennial	5	101	12	99	9	104	14	100	40	101	E	61	259	4.8	VG	F	G	G	G	F
CDC Hornet	10	101	12	116+	6	110	15	103	43	107+	M	89	215	3.7	VG	F	F	F	F	G
CDC Prosper NR	6	93	12	97	8	97	19	98	45	97-	E	73	149	4	VG	F	G	G	F	G
CDC Treasure NR	6	96	12	105	8	98	19	100	45	101	E	81	217	3.5	VG	F	F	G	F	F
DS-Admiral ☉	13	97	18	108	13	98	24	104	69	102	M	68	246	3.1	VG	P	F	F	G	F
Eclipse ☉	17	103	27	103	20	99	33	103	98	102	M	64	255	3.2	VG	F	F	G	F	G
Polstead ☉	5	97	12	99	9	99	16	104	42	101	E	62	262	3.7	VG	P	P	F	VG	F
Reward ☉	5	86	12	106	9	102	13	101	39	101	M	76	248	2.5	VG	F	F	G	VG	F
SW Midas ☉	10	103	17	106	11	91-	21	99	59	100	E	65	213	3.1	VG	P	F	G	G	G
Thunderbird	6	89	11	96	9	99	14	99	40	97	M	76	229	2.1	VG	F	F	G	VG	XX

FIELD PEA – YELLOW

Variety	South		East Central		Central		Peace		Total site years	Overall yield (%)	Agronomic Characteristics				Tolerance to ⁴					
	Site years	Yield %	Site years	Yield %	Site years	Yield %	Site years	Yield %			Maturity rating ¹	Vine length (cm)	TSW ² (g)	Standability ³ (1 – 9)	Powdery Mildew	Mycoshpae-rella Blight	Fusarium Wilt	Seed Coat Breakage	Seed Coat Dumpling ⁵	Green Seed Coat ⁶
Fully Tested Varieties (Relative Yield as % of Carrera: 2000 – 2005)																				
Carrera (kg/ha)	2593		2926		5098		3986		3677											
Carrera ◊	14	100	28	100	15	100	33	100	96	100	E	53	257	4.6	P	P	F	F	G	XX
CDC Bronco	11	91	14	102	8	94	15	117	49	102	M	63	218	4.1	VG	F	F	G	G	G
CDC Golden	11	101	14	105	8	102	15	109	49	105	M	68	224	3.4	VG	F	F	G	G	G
CDC Minuet	12	97	26	100	11	92	22	111	76	102	M	64	192	4.9	VG	F	F	F	G	F
CDC Mozart	8	108	17	100	7	97	14	105	48	103	M	62	241	5.9	VG	F	F	G	G	F

Remarks: Stella is a silage type pea; ◊ = Protected by Plant Breeder's Rights (PBR); ▲ = Applied for PBR protection; A = First year entries (2013); NR = Variety not registered with CFIA; F = Forage type; XX = No data available.

¹Maturity: E = early, M = medium, L = Late; ²Thousand Seed Weight: g; ³Standability: 1 = erect, 9 = flat; ⁴Tolerance to: P = poor, F = fair, G = good, VG = very good; ⁵Seed Coat Dimpling: VG = very good (0 - 5%), G = good (6 - 20%), F = fair (21 - 50%); ⁶Green Seed Coat: G = good (0 - 10%), F = fair (11 - 25%).

FIELD PEA – GREEN

Variety	South		East Central		Central		Peace		Total site years	Overall yield (%)	Agronomic Characteristics				Tolerance to ⁴					
	Site years	Yield %	Site years	Yield %	Site years	Yield %	Site years	Yield %			Maturity rating ¹	Vine length (cm)	TSW ² (g)	Standability ³ (1 – 9)	Powdery Mildew	Mycoshpae-rella Blight	Fusarium Wilt	Bleaching	Seed Coat Breakage	Seed Coat Dimpling ⁵
Varieties tested in the 2014 trials (Relative Yield as % of CDC Patrick)																				
CDC Patrick	4291		4511		6323		4305		4727											
CDC Patrick	25	100	31	100	16	100	38	100	110	100	M	79	186	4.4	VG	F	G	G	G	G
CDC Limerick	9	106	14	105+	6	100	15	98	51	101	L	77	208	3.4	VG	F	F	G	VG	G
Greenwater (A)	5	101	4	106	3	109	5	97	17	102	L	72	219	2.2	VG	F	G	G	F	F
MP1867 (A)	5	91	4	93	3	79-	11	86-	23	87-	M	78	208	3.8	VG	F	F	G	G	G
Fully Tested Varieties (Relative Yield as % of CDC Patrick)																				
CDC Pluto	14	100	14	94	5	91	19	96	52	96-	M	82	170	6	VG	F	F	G	G	G
CDC Raezer	14	95	14	116+	5	103	19	104	52	105	M	89	227	4.2	VG	F	G	G	G	G
CDC Tetris	14	104	14	111+	5	98	19	106	52	106	L	91	215	4.4	VG	F	G	G	G	G
Fully Tested Varieties (Relative Yield as % of Cooper: 2004 – 2012)																				
Cooper (kg/ha)	4111		3843		5979		4793		4609											
Cooper \odot	100		100		100		100		100		L	75	270	3.5	VG	F	F	G	F	G
CDC Sage	5	79-	8	83-	8	81-	15	85-	36	82	M	72	198	3.1	VG	F	G	G	VG	G
CDC Striker	5	96	12	108	5	104	22	95-	44	100	M	70	253	2.9	P	F	G	G	G	F
Mendel \odot	6	85-	11	95	4	92	17	90-	38	91	M	78	205	3.9	VG	F	F	G	F	G

Remarks: CDC Tetris is an Espace type with blocky seed shape; A = First year entries (2014). \odot = Protected by Plant Breeder's Rights (PBR); XX = No data available; † = Flagged for removal.

¹Maturity: E = Early, M = Medium, L = Late; ²Thousand Seed Weight: g; ³Standability: 1 = Erect, 9 = Flat; ⁴Tolerance to: P = Poor, F = Fair, G = Good, VG = Very Good;

⁵Seed Coat Dimpling: VG = Very Good (0 - 5%), G = Good (6 - 20%), F = Fair (21 - 50%).

DRY BEANS – NARROW ROW

Variety	Type	Site years 1997-2014	Yield (% of check)	Days to bloom ¹	Days to maturity	TSW ² (g)	Plant height	Lodging ³ (1-5)	Growth habit ⁴
AC Black Diamond (kg/ha)			2993						
AC Black Diamond	Black Shiny	20	100	57	102	250	38	2.2	II
AAC Black Diamond 2 (A)	Black Shiny	2	114	64	6	265	34	1.8	II
CDC Blackcomb	Black Matte	4	83	64	2	193	37	1.3	II
Island (kg/ha)			3628						
Island	Pinto	10	100	60	102	338	43	2.6	II
AAC Burdett	Pinto	3	99	61	1	379	40	1.3	II
CDC Marmot	Pinto	3	88	57	-4	425	35	2.0	II
CDC WM 2	Pinto	7	77	58	2	347	41	2.4	II
Medicine Hat	Pinto	6	99	64	5	338	44	1.9	II
Winchester	Pinto	5	80	58	2	302	45	2.1	II
AAC Tundra (kg/ha)			4452						
AAC Tundra	Great Northern	4	100	55	101	375	44	2.4	II
AAC Whitehorse	Great Northern	3	111	55	-1	400	41	2.2	II
AC Polaris	Great Northern	14	76	58	5	329	35	3.4	II
AC Resolute	Great Northern	16	65	54	0	372	39	2.4	II
AC Redbond (kg/ha)			2569						
AC Redbond	Small Red	17	100	51	100	303	39	2.3	II
CDC Sol (kg/ha)			1887						
CDC Sol	Yellow	6	100	59	111	385	33	1.6	I
Viva (kg/ha)			2307						
Viva	Pink	15	100	52	99	249	32	3.5	III

Remarks: A = First year entries; ¹Days to bloom from seeding; ²Thousand Seed Weight; ³Lodging: 1 = erect, 5 = flat.
⁴Growth Habit: I = determinate bush, II = indeterminate bush, III = indeterminate prostrate.

DRY BEANS – WIDE ROW

Variety	Type	Site years 1997-2014	Yield (% of check)	Days to bloom ¹	Days to maturity	TSW ² (g)	Plant height	Lodging ³ (1-5)	Growth habit ⁴
AC Black Diamond (kg/ha)			3021						
AC Black Diamond	Black Shiny	45	100	57	104	262	39	2.1	II
AAC Black Diamond 2 (A)	Black Shiny	3	97	57	2	268	39	1.9	II
CDC Blackcomb	Black Matte	9	76	62	-1	176	35	1.8	II
Island (kg/ha)			3694						
Island	Pinto	19	100	55	100	371	41	2.8	II
AAC Burdett (A)	Pinto	3	97	54	-1	387	44	1.9	II
CDC WM-2	Pinto	14	76	56	1	369	40	2.5	II
Medicine Hat	Pinto	12	93	61	4	354	42	2.4	II
Othello	Pinto	8	90	58	0	353	36	3.5	III
Winchester	Pinto	16	86	55	0	335	40	2.5	II
AAC Tundra (kg/ha)			3390						
AAC Tundra	Great Northern	9	100	51	96	357	41	2.6	II
AAC Whitehorse	Great Northern	6	98	51	0	382	41	2.5	II
AC Polaris	Great Northern	25	96	62	6	301	37	4.1	II
AC Resolute	Great Northern	25	85	50	2	352	42	2.1	II
AC Redbond (kg/ha)			3203						
AC Redbond	Small Red	39	100	53	101	316	41	2.4	II
CDC Sol (kg/ha)			2313						
CDC Sol	Yellow	12	100	55	103	406	33	1.5	I
Myasi	Yellow	9	89	63	9	354	34	2.1	I
Viva (kg/ha)			3090						
Viva	Pink	39	100	55	104	255	36	3.6	III

Remarks: A = First year entries; ¹Days to bloom from seeding; ²Thousand Seed Weight; ³Lodging: 1 = erect, 5 = flat.
⁴Growth Habit: I = determinate bush, II = indeterminate bush, III = indeterminate vine.

LENTILS

Market Class	Variety	Overall Yield	Station Years of Testing	Agronomic Characteristics					Disease Tolerance ⁶	
				TSW ² (g)	Plant height (cm)	Maturity rating ³	Cotyledon colour ⁴	Seed coat colour ⁵	Ascochyta	Anthracnose
Varieties tested in the 2014 trials										
	CDC Redberry (kg/ha)¹	2480								
	CDC Redberry¹	100	27	43	36	E	R	GR	G	G
Extra small red	CDC Impala (CL)	103	17	31	36	E	R	GR	G	G
	CDC Imperial (R; CL)	92*	20	30	36	E	R	GR/BR	G	G
	CDC Rosetown	104	20	31	38	E	R	GR	G	G
	CDC Rosie	110	8	31	37	EM	R	GR	G	G
	CDC Ruby	99	15	29	34	E	R	GR	G	G
Small red	CDC Dazil (CL)	111	15	36	38	E-M	R	GR	G	F
	CDC Imax (CL)	110	16	45	39	E-M	R	GR	G	F
	CDC Maxim (R; CL)	114*	17	41	36	E-M	R	GR	G	G
	CDC Redcliff	118*	15	38	37	E-M	R	GR	G	F
	CDC Scarlet (A)	125*	8	39	38	EM	R	GR	G	F
Large red	CDC KR-1	115	12	52	41	M	R	GR	G	G
Small green	CDC Invincible (CL)	109	16	34	38	E	Y	G	G	G
Medium green	CDC Imigreen (CL)	89	12	59	45	M	Y	G	G	VP
	CDC Impress (R; CL)	97	12	51	39	M	Y	G	G	P
Large green	CDC Greenland (R)	98	12	64	39	M-L	Y	G	G	VP
	CDC Impower (CL)	98	12	68	43	ML	Y	G	G	VP
	CDC Improve (R; CL)	100	12	71	41	M	Y	G	F	VP

Previously tested varieties

Extra small red	CDC Robin (R)	87*	15	28	34	E	R	BR	G	G
	CDC Redbow	104	12	32	35	E	R	GR	G	G
	CDC Rosebud	100	12	30	35	E	R	T	G	G
Small red	CDC Blaze (R)	85*	10	38	30	E-M	R	GR	G	P
	CDC Cherie	108	3	41	35	E-M	R	G	G	F
	CDC Impact (R; CL)	84*	8	36	37	E	R	GR	G	P
	CDC Redcoat	100	12	42	35	E	R	GR	G	G
	CDC Rouleau (R)	106	5	37	37	M	R	GR	G	G
	Crimson (R)	75	10	39	27	E	Y	BR	VP	VP
Small green	CDC Milestone (R)	101	18	39	32	E	Y	G	G	VP
	CDC Viceroy (R)	107	13	35	33	E	Y	G	G	G
	Eston (R)	89	5	34	35	E	Y	G	VP	VP
French green	CDC Peridot (CL)	116	1	37	XX	E	Y	MRB	F	P
Spanish brown	Pardina	106	1	40	XX	X	Y	GR/DT	VP	VP

Remarks: Weight, diameter and thickness of lentil seeds were dependent upon environmental conditions and agronomic factors;

Note: Yield results for the new varieties (2014) are significantly comparable, due to limited years of testing.

All five trials: Bow Island, Brooks, Lethbridge, Medicine Hat and Oyen were grown in Area 1.

R = Registered with CFIA; CL = Clearfield variety; XX = No data.

¹Yields are reported relative to CDC Redberry. CDC Redberry belongs to Small Red Market Class. *Seed yields are statistically significant from that of CDC Redberry at p=0.05 level. No symbol after the yield figure indicates that there is no statistical difference. ²Thousand Seed Weight: g; ³Maturity: E = Early, M = Medium, L = Late, VL = Very Late. ⁴Cotyledon Color: R = Red, Y = Yellow, G = Green; ⁵Seed Coat Color/Patterns: G = Green, GR = Grey, BR = Brown, FG = French Green, T = Tan, MRB = Marbled, DT = Dotted; ⁶Disease tolerance: VP = Very Poor, P = Poor, F = Fair and G = Good.

F A B A B E A N S

Variety	Overall Yield	Station Years of Testing	Type	Relative maturity ¹	Plant height (cm)	Thousand seed weight (g)	Flower colour ²
Varieties tested in the 2014 trials							
Snowbird (KG/HA)	7650						
Snowbird ☉	100	22	Zero Tannin	E	92	486	W
Malik	97	17	Tannin	M	87	621	C
Snowdrop ☉	86-	17	Zero Tannin	E	86	338	W
Tabasco	80-	9	Zero Tannin	M	92	374	W
Fully Tested Varieties: 2000 – 2007							
Earlibird ☉ KG/HA¹	7300						
Earlibird ☉	100	16	Tannin	E	93	520	C
Ben ☉	112+	8	Tannin	E	101	580	C
CDC Blitz R †	102	14	Tannin	ML	96	460	C
CDC Fatima R †	97	14	Tannin	M	92	530	C
Cresta †	96	7	Zero Tannin	M	86	590	W
Scirocco †	106	8	Tannin	ML	89	580	C

Remarks: All colored flower types have seed coats that contain tannins and may be suitable for export food markets if seed size and quality match customer demand. Varieties tested for minimum three years are fully tested. ☉ – Protected by Plant Breeders' Rights (PBR); R – Registered with CFIA. New entry – Tabasco; new name – Malik (FB9-4). Varieties removed from the table: FB18-20 and Imposa. † – Flagged for removal.

¹Maturity: E = early, M = medium, ML = medium late, L = late; ²Flower Colour: W = white flower, zero tannin, C = colored flower, tannin.

C H I C K P E A

Variety	Type	Overall yield ¹	Station Years of Testing	Agronomic Characteristics			
				TSW ²	Maturity rating ³	Plant height (cm)	Tolerance to Ascochyta ⁴
Varieties tested in the 2014 trials							
CDC Frontier (kg/ha)		3825					
CDC Frontier ¹	Kabuli	100	29	364	L	44	F
CDC Cabri	Desi	93*	25	324	E	46	F
CDC Corinne	Desi	113	10	248	M	48	F
CDC Cory	Desi	102	10	280	M	50	F
CDC Vanguard	Desi	93*	13	230	ML	46	F
Amit (R)	Kabuli	90*	29	269	L	45	F
CDC Alma	Kabuli	88*	14	386	ML	41	VP
CDC Leader	Kabuli	100	10	403	ML	44	F
CDC Luna	Kabuli	88*	14	377	ML	41	P
CDC Orion	Kabuli	94	14	455	ML	44	P
Previously tested varieties							
CDC Chichi	Kabuli	77	8	343	M	47	P
CDC Chico	Kabuli	87	8	251	E	46	VP
CDC Diva	Kabuli	71*	15	447	L	41	F
CDC Xena	Kabuli	72*	15	445	L	41	VP
CDC Yuma	Kabuli	73*	15	418	L	45	P
Sanford	Kabuli	69*	15	407	L	47	VP

Remarks: Note yield results for some varieties are not significantly different, due to limited years of testing. All four trials: Bow Island, Brooks, Lethbridge and Medicine Hat were grown in Area 1.

¹Yields are reported relative to CDC Frontier. *Seed yields are statistically significant from that of CDC Frontier at p=0.05 level. No symbol after the yield figure indicates that seed yields are statistically comparable.

²TSW: Thousand Seed Weight: g; ³Maturity Ratings: E = Early, M = Medium, ML = Medium Late, L = Late;

⁴Tolerance to Ascochyta: VP = Very Poor, P = Poor, F = Fair.

SOYBEANS

Variety	Type	Overall yield ¹	Station years of testing	Agronomic Characteristics					
				Days to flowering	Pod height ²	Plant height (cm)	Days to maturity ³	TSW ⁴ (g)	Seeds per pound
Varieties tested in the 2013 - 2014 trials									
NSC Warren (kg ha¹)		2813							
NSC Warren	RR	100	11	56	12	61	122	115	3948
900Y61	RR	86*	11	58	12	56	122	147	3088
Akras	RR2Y	115*	11	60	17	62	123	134	3388
CFS12.3.01 (A)	RR2Y	105	6	56	15	66	127	115	3948
Hero	RR2Y	104	11	56	13	64	123	137	3314
McLeod	RR2Y	108*	11	59	15	66	121	151	3007
NSC Moosomin	RR2Y	94	11	56	11	49	115	138	3290
NSC Reston	RR2Y	102	11	57	13	58	118	129	3519
NSC Tilston (A)	RR2Y	108	6	53	13	65	122	126	3603
P001T34	RR	74*	11	57	9	45	109	137	3314
P002T04 (A)	RR2Y	96	6	53	9	55	117	123	3691
Pekko	RR2Y	99	11	59	15	64	121	128	3547
PH14001 (A)	RR2Y	97	6	55	10	52	121	139	3266
PH14002 (A)	RR2Y	104	6	54	10	56	126	142	3197
PH14003 (A)	RR2Y	83*	6	55	9	55	123	121	3752
Sampsa	RR2Y	99	11	59	13	60	124	141	3220
TH 32004	RR2Y	101	11	58	13	61	122	131	3466
TH 33003	RR2Y	105	11	56	15	65	121	133	3414
TH 33005	RR2Y	79	11	59	14	61	125	133	3414
TH35002 (A)	RR2Y	85*	6	57	11	61	126	128	3547
Vito	RR2Y	90*	11	56	12	71	121	132	3439

Remarks: Straight combining is commonly used method of harvest. Swathing soybean can result in excessive field losses (up to 25%) due to shattering. Approximately four beans or one to two pods per square foot represent a yield loss of "one bushel" per acre. New names: Akras (CFS12.3.02) and Hero (SC2380). Varieties removed from the table: 900Y71, CFS13.2.02 and TH29002. A - first year entries (2014).

¹Yields are reported relative to NSC Warren. *Indicates that seed yields are statistically significant from that of NSC Warren. No symbol after the yield figure indicates that there is no statistical difference. ²Distance from the ground level to lowest pod. ³Maturity - average days for the Brooks, Bow Island and Medicine Hat trials. ⁴TSW:Thousand Seed Weight, g.