

Manitoba Agriculture Variety Guide

FABABEANS

Comments:

Fababeans data from 2016.

2017 data was not approved for publication.

The fababeans variety trial was tested by MCVET and partially sponsored by the Manitoba Pulse & Soybean Growers

Traditionally tannin fababeans with tan coloured seed coats and coloured flowers contain tannins and can't be fed directly to livestock.

Zero tannin fababeans have white seed coats and flowers and can be fed directly to livestock.

Variety Descriptions

Class/Variety	Yield % Check	Site Years Tested	Maturity* (days)	TKW (g)	2016 Yield: % Check Arborg
Colored Flower (Tannin)					
CDC Fatima	100	34	105	520	100
CDC SSNS-1	96	11	105	335	—
Florent	103	8	107	660	—
Taboar	96	13	107	480	—
Fabelle	107	1	105	533	107
CHECK CHARACTERISTICS					
CDC Fatima (tannin)	4032 lbs/ac	34 Site Years		CDC Fatima (lb/ac) CV% LSD (%) Sign Diff	4779 6 10 Yes
White Flower (Zero Tannin)					
CDC Snowdrop	96	10	104	335	81
Snowbird	100	13	104	495	100
Tabasco	99	8	106	530	—
CHECK CHARACTERISTICS					
Snowbird (zero tannin)	5246 lbs/ac	10 Site Years		Snowbird (lb/ac) CV% LSD (%) Sign Diff	4033 9 15 Yes
Seeding Date					10-May
Harvest Date					16-Sep

* Maturity ratings are based on days until swathing, but will vary depending on seeding date

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FIELD BEANS — Manitoba Narrow Row Adaptation Trials

Comments:

Long term yield data and days to maturity are from Manitoba Pulse & Soybeans Growers (MPSG) Trials grown in 10 to 12 inch row spacing. More detailed measurements from the trials available to MPSG member in the December Special Edition of the Pulse Beat magazine. Days to maturity is critical. Select a variety that will mature under normal growing conditions. Early fall frost severely affects yield and quality.

Variety Descriptions

Bean Class	Variety	Years Tested			Yield % Check	Site Years Tested	Maturity ¹ (days) +/- Check
		2017	2016	2015			
Small Seeded Types							
					% Envoy	+/- Envoy	
Navy	AAC Shock	x			119	3	
Navy	Bolt	x	x	x	105	7	
Navy	DS105W0		x		98	2	
Navy	Envoy	x	x	x	100	49	
Navy	Fathom		x		114	2	
Navy	Lightning		x	x	106	12	
Navy	Nautica		x		118	2	
Navy	OAC SPARK	x		x	112	10	
Navy	Portage	x	x	x	100	16	
Navy	T9905	x	x		109	5	
Navy	T9903		x		108	9	
Black	CDC Jet	x	x	x	106	40	
Black	CDC SuperJet	x	x	x	118	19	
Black	CDC Blackstrap [®]	x	x	x	124	16	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
Navy	3458-7	x	x	x	107	13	
Navy	2918-25	x	x	x	125	14	
Large Seeded Types							
					% CDC Pintium	+/- CDC Pintium	
Pinto	CDC Pintium	x	x	x	100	49	
Pinto	CDC Marmot	x	x	x	110	19	
Pinto	CDC WM-2	x	x	x	116	21	
Pinto	Medicine Hat [®]	x	x	x	112	13	
Pinto	AC Island	x	x	x	118	10	
Pinto	SV6139GR [®]	x	x		140	5	
Pinto	SV6533GR [®]		x		159	2	
Pinto	Windbreaker	x			128	8	
Yellow	CDC Sol	x			96	5	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
FDJ	3620-3	x			106	3	
Cran	7ab-3bola-3	x			84	3	
Yellow	3850-1	x			98	3	
CHECK CHARACTERISTICS							
	Bean Grouping				Yield (lbs/ac)	Site Years	
	Small seeded				Envoy	1980 49	
	Large seeded				CDC Pintium	2125 49	
						Days to Maturity	
						101	
						97	

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

FIELD BEANS — Wide Row Trials

Comments:

Long term yield data and days to maturity are from Manitoba Pulse & Soybean Growers (MPSG) trials.

More detailed measurements from the trials available to MPSG members in the December Special Edition of the Pulse Beat magazine.

Results are from row crop trials located at Morden, Portage, Carman, and Winkler sites.

Variety Descriptions

MARKET CLASS/Variety	Years tested			Yield % Check	Site Years Tested	Maturity 1 (days) +/- Check
	2017	2016	2015			
NAVY				% of T9905		+/- T9905
AAC Argosy	x			98	4	-1
Bolt	x		x	90	11	-2
Cargo			x	79	20	-3
DS105W0	x	x	x	101	9	2
Envoy	x	x	x	72	26	-4
Fathom		x	x	100	5	-1
Indi	x	x	x	99	18	-3
Lightning	x	x	x	90	26	-3
Nautica	x	x	x	91	10	0
OAC Spark			x	74	20	-7
Portage	x	x	x	90	26	-4
SV1893GH0		x	x	93	9	0
T9903		x	x	93	22	-3
T9905	x	x	x	100	26	0
Varieties that are registered in the US or being tested or proposed for registration in Canada						
96-3156			x	74	3	-7
Alpena	x			84	4	-3
GNS 2884-4		x	x	85	5	4
NA196	x	x		94	6	-2
OB-1406-09			x	73	3	4
OB-4179-03			x	88	3	2
PINTO				% of Windbreaker		+/- Windbreaker
CDC WM-20	x	x	x	79	19	-4
Windbreaker	x	x	x	100	49	0
Monterrey	x	x	x	106	14	2
SV6139GR0	x	x	x	103	19	-3
SV6533GR0		x	x	95	7	-1
VIBRANT	x	x	x	103	10	-2

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MARKET CLASS/Variety	Years tested			Yield % Check	Site Years Tested	Maturity 1 (days) +/- Check		
	2017	2016	2015					
Varieties that are registered in the US or being tested or proposed for registration in Canada								
11278		x	x	104	6	-1		
GNS 1259-60		x	x	67	6	-3		
DCL-2016		x		98	3	1		
EI-Diablo	x	x	x	94	9	-1		
Eldorado			x	102	3	5		
GNS 1173-1		x	x	79	6	0		
GNS 12-11		x		62	3	-8		
GNS 12-441		x		80	6	1		
GTS 907		x	x	100	15	0		
PT234-2-4			x	78	3	-1		
PT284-10	x			75	4	0		
Radiant 12324	x	x		104	7	-2		
Torreón		x	x	96	6	0		
BLACK				% of Eclipse		+/- Eclipse		
CDC Blackstrap [Ⓞ]	x	x	x	83	9	-5		
CDC Jet	x	x	x	88	35	-2		
CDC Superjet	x	x	x	86	23	-1		
Eclipse [Ⓞ]	x	x	x	100	35	0		
SV6894GB [Ⓞ]			x	92	7	2		
Varieties that are registered in the US or being tested or proposed for registration in Canada								
13505	x			99	4	0		
13489	x	x		108	6	1		
GTS1103	x			97	8	2		
H76BK6	x			92	4	1		
PINK				% of FLOYD		+/-FLOYD		
FLOYD	x	x		100	24	0		
Varieties that are registered in the US or being tested or proposed for registration in Canada								
Rosetta	x	x		118	7	6		
GNS 13-796		x	x	107	3	3		
CRANBERRY				% of Cran 09		+/- Cran 09		
Cran 09	x	x		100	57	0		
Etna	x	x		98	49	2		
Varieties that are registered in the US or being tested or proposed for registration in Canada								
CR312-8	x	x		105	4	2		
CR318-6	x	x	x	113	8	4		
Krimson	x	x	x	96	12	3		
SV3709GC			x	116	4	1		
GREAT NORTHERN				% of Pink Panther		+/-Pink Panther		
Varieties that are registered in the US or being tested or proposed for registration in Canada								
Beryl R			x	110	29	0		
Aries		x	x	139	8	1		
Powderhorn	x			156	2	-1		
LIGHT RED KIDNEY				% of Pink Panther		+/-Pink Panther		
BIG RED	x	x	x	104	15	-1		
Pink Panther	x	x	x	100	47	0		
Varieties that are registered in the US or being tested or proposed for registration in Canada								
09357		x	x	100	9	-4		
09363	x	x		101	4	-3		
09378		x	x	95	9	-3		
Clouseau		x	x	98	14	0		
Small Red				% of Windbreaker		+/-Windbreaker		
Varieties that are registered in the US or being tested or proposed for registration in Canada								
Viper			x	103	3	2		
YELLOW				% of Windbreaker		+/- Windbreaker		
CDC Sol [Ⓞ]	x	x	x	78	25	3		
Check Varieties				First Year Tested	Yield lbs/ac	Site Years Tested	Maturity (days)	
Cran 09				Cranberry	2000	1870	57	99
Eclipse				Black	2005	2497	35	100
T9905				Navy	2009	2406	26	104
FLOYD				Pink	2005	2463	24	93
Pink Panther				Light Red Kidney	2001	1970	47	100
Windbreaker				Pinto	2002	2687	49	97

1 Annual weather variations will impact the actual number of days it takes a variety to fully mature varies from year to year. Choosing a variety that needs a longer growing season than your farm has, increases your risk of frost damage and lower returns.

LENTILS

Comments:

The lentil variety trial is coordinated with the Saskatchewan Regional Variety testing program. Seed source is same as used in Saskatchewan trials. The lentil variety trial was tested by MCVET and partially sponsored by the Manitoba Pulse & Soybean Growers. Clearfield lentils are tolerant to the herbicide Odyssey. These varieties are easily identified by the "CL" designation at the end of the name.

Variety Descriptions

Market Class	Variety	Maturity ¹ Rating	Yield %Check	Site Years Tested	Cotyledon Colour	Seed Wt (TKW) Grams	Resistance Level		2017 Yield:
							Ascochyta Blight	Anthracnose Race 1	% CDC Maxim Melita
Small green	CDC Asterix	Early	91	7	Yellow	26	G	F	92
	CDC Invincible CL	Early	81	16	Yellow	35	G	G	93
Medium green	CDC Imigreen CL	Medium	63	11	Yellow	63	G	F	—
Large green	CDC Greenland	Med/Late	63	10	Yellow	64	G	VP	—
	CDC Greenstar	Med/Late	91	5	Yellow	73	G	F	100
	CDC Impower CL	Medium	67	10	Yellow	74	G	P	76
French green	CDC Peridot CL	Early	78	11	Yellow	40	G	P	—
	CDC Marble	Early/Med	105	7	Yellow	32	F	G	103
	CDC QG-2	Early/Med	82	5	Yellow	33	F	G	90
Extra small red	CDC Rosebud	Early	87	10	Red	29	G	G	—
	CDC Rosie	Early/Med	87	6	Red	30	G	G	—
	CDC Ruby	Early	92	2	Red	29	G	G	—
Small red	CDC Dazil	Early/Med	97	8	Red	35	G	F	106
	CDC Imax CL	Medium	82	16	Red	50	G	G	87
	CDC Maxim CL	Early/Med	100	18	Red	40	G	G	100
	CDC Proclaim CL [†]	Early/Med	98	2	Red	40	G	G	110
	CDC Redmoon [†]	Early/Med	112	2	Red	41	G	G	111
	CDC Scarlet	Early/Med	104	7	Red	36	G	F	105
Medium Red	CDC Impulse CL [†]	Earl/med	114	1	Red	44	G	G	114
	CDC KR2 [†]	Medium	100	1	Red	55	G	G	100
Large red	CDC-KR I	Medium	79	12	Red	56	G	G	—
CHECK CHARACTERISTICS							CDC Maxim (lbs/ac) 3453		
CDC Maxim			3192	18			CV%	9	
			lbs/ac	site years			LSD (%)	15	
							Sign Diff	Yes	
							Seeding Date	05-May	
							Harvest Date	21-Aug	

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

FIELD PEAS

Comments:

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

Variety Descriptions

Variety	Yield % Check	Site Years Tested	Relative Maturity	Relative Vine Length	Seed Size (TKW)	Resistance Level to:							
						Lodging	Powdery Mildew	Mycos- phaerella blight	Fusarium ¹ Wilt	Seed Coat			
										Green ²	Breakage	Dimpling ³	Bleaching
Yellow													
AAC Ardill	100	16	M	M	240	G	VG	F	G	n/a	G	n/a	n/a
AAC Carver ^⓪	110	10	M	L	240	G	VG	F	F	n/a	G	n/a	n/a
AAC Lacombe ^⓪	104	14	M	L	270	G	VG	F	F	F	G	G	n/a
Abarth ^⓪	101	10	E	M	280	VG	VG	F	F	G	F	G	n/a
AC Earlystar	100	6	E	M	210	G	VG	F	F	G	F	G	n/a
Agassiz ^⓪	101	53	M	M	230	G	VG	F	F	G	G	F	n/a
CDC Amarillo	103	16	M	M	230	VG	VG	F	G	G	F	F	n/a
CDC Golden	93	58	M	M	230	G	VG	F	F	G	G	G	n/a
CDC Inca ^⓪	107	14	M	L	230	G	VG	F	F	F	G	G	n/a
CDC Meadow	100	66	E	M	220	G	VG	F	F	G	G	G	n/a
CDC Saffron	101	30	M	M	250	G	VG	F	F	G	G	F	n/a
Cutlass	93	65	M	M	220	G	VG	F	F	G	F	F	n/a
Varieties supported for registration by the PRCPSC													
P0520-116	109	6	M	M	240	G	VG	F	F	n/a	n/a	n/a	n/a
Green													
AAC Radius	86	15	M	M	230	G	VG	F	G	n/a	VG	G	VG
AAC Royce	97	13	M	M	250	F	VG	F	F	n/a	G	n/a	G
CDC Greenwater	99	15	L	M	220	G	VG	F	G	n/a	VG	G	G
CDC Limerick	99	15	L	M	210	VG	VG	F	F	n/a	VG	G	G
CDC Patrick	93	51	M	M	190	G	VG	F	G	n/a	G	G	G
AAC Comfort ^⓪	93	5	M	M	260	G	VG	F	F	n/a	n/a	n/a	G
CDC Striker	90	70	M	M	230	VG	P	F	G	n/a	VG	G	G
COOPER ^⓪	95	47	L	M	270	G	VG	F	F	n/a	F	G	G
Maple													
AAC Liscard	92	5	M	M	180	G	VG	F	n/a	n/a	n/a	n/a	n/a
LSD (.05)													
6													
CHECK CHARACTERISTICS													
CDC Meadow	73		95	34									
	bu/ac		days	inches									

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

2 Green seed coats: G = 0-10%; F = 11-25%

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

Yield Comparisons

Variety	2017 Yield % of CDC Meadow					
	Boissevain	Carberry	Melita	Hamiota	Roblin	Portage
Yellow						
AAC Ardill	113	97	100	103	95	119
AAC Carver [®]	135	117	118	99	120	130
AAC Lacombe [®]	116	103	112	108	109	111
Agassiz [®]	112	97	95	86	105	116
CDC Amarillo	111	115	108	93	112	111
CDC Golden	94	89	97	93	96	99
CDC Inca	114	110	114	94	104	113
CDC Meadow	100	100	100	100	100	100
CDC Saffron	105	97	100	98	101	108
Varieties supported for registration by the PRCPSC						
P0520-116	110	114	114	108	98	131
Green						
AAC Comfort [®]	98	100	98	94	78	—
AAC Radius	96	89	91	88	92	—
AAC Royce	103	102	95	85	97	—
CDC Greenwater	105	100	101	94	101	—
CDC Limerick	103	102	100	101	107	—
CDC Patrick	98	101	97	87	90	—
CDC Striker	99	86	94	73	88	—
Maple						
AAC Liscard	91	94	94	99	99	—
CDC Meadow (bu/ac)	82	95	82	96	90	85
CV %	6	6	6	6	10	8
LSD (%)	11	10	10	9	16	14
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	05-May	13-May	05-May	09-May	11-May	27-May
Harvest Date	24-Aug	28-Aug	14-Aug	29-Aug	30-Aug	04-Sep



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