

Manitoba Agriculture Variety Guide

FABABEANS

Comments:

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

Traditionally tannin fababean 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	% of Check	Site Years Tested	Days to Maturity ¹	TKW (g)	2020 Yield % Check Variety	
					Roblin	Stonewall
Colored Flower (Tannin)						
Fabelle®	100	1	105	533	100	100
CHECK CHARACTERISTICS						
Fabelle (tannin)	3852 lbs/ac	5 Site Years	105 days	Fabelle (lbs/acre)	3768	4118
				CV%	11.8	7.0
				LSD (%)	—	12
				Sign Diff	No	Yes
White Flower (Zero Tannin)						
DL Tesoro®	109	3	110	511	—	103
Snowbird®	100	16	104	495	—	100
DL Rico®	89	3	109	566	—	93
CHECK CHARACTERISTICS						
Snowbird (zero tannin)	4824 lbs/ac	16 Site Years	104 days	Snowbird (lbs/acre)	—	3748
				CV %	—	5.1
				LSD (%)	—	8
				Sign Diff	—	Yes
				Seeding Date	07-May	17-May
				Harvest Date	10-Sep	08-Sep

¹ 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 Manitoba Pulse & Soybeans Growers (MPSG) trials grown in 10 to 12 inch row spacing.

More detailed measurements from the trials are available to MPSG members and will be distributed in the December Special Edition of the Pulse Beat magazine.

Days to maturity is critical. Do not select a variety that will not mature in time, 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
		2020	2019	2018			
Small Seeded Types					% CDC Blackstrap		+/- CDC Blackstrap
Navy	AAC Argosy	x		x	90	5	7
Navy	AAC Shock	x	x	x	84	10	8
Navy	Bolt	x	x	x	81	14	7
Black	CDC BlackstrapØ	x	x	x	100	23	0
Black	CDC Jet	x	x	x	88	23	5
Black	CDC SuperJet	x	x	x	95	23	5
Black	Eclipse	x	x	x	101	11	6
Navy	HMS Medalist	x			78	3	3
Navy	Indi	x	x	x	94	7	5
Navy	Nautica	x		x	85	7	10
Navy	SV1893GHØ	x			88	5	4
Navy	T9905	x	x	x	86	12	8
Large Seeded Types					% Windbreaker		+/- Windbreaker
Pinto	SV6139GRØ	x	x		109	8	0
Pinto	SV6533GRØ		x		94	2	0
Pinto	Windbreaker	x	x	x	100	15	0
Varieties that are registered in the US or being tested or proposed for registration in Canada							
Pinto	ND PalominoØ	x			102	3	1
CHECK CHARACTERISTICS							
	Bean Grouping			Check Varieties	Yield (lbs/ac)	Site Years	Days to Maturity
	Small seeded			CDC Blackstrap	2780	23	93
	Large seeded			Windbreaker	2505	12	98

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



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- Additional variety information will be uploaded in December/January
 - Soybean seed quality data – oil and protein
 - Sunflower seed quality data – oil and seed size
 - Detailed edible bean results
- Trial locations and plot plans updated mid July each year

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 are available to MPSG members and will be distributed 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 % of Check	Site Years Tested	Maturity ¹ (days) +/- Check
	2020	2019	2018			
NAVY				% of T9905		+/- T9905
AAC Argosy	x		x	104	12	-1
AAC Shock	x		x	97	8	-2
Armada	x			97	4	0
Bolt	x		x	93	19	-2
HMS Medalist	x	x		99	6	1
Indi	x	x	x	101	28	-2
Nautica	x		x	89	18	0
SV1893GHØ	x			95	13	1
T9905	x	x	x	100	36	0
Varieties that are registered in the US or being tested or proposed for registration in Canada						
15094	x	x		103	6	-1
15095	x	x		101	6	3
S09-27C		x		86	2	-4
PINTO				% of Windbreaker		+/- Windbreaker
CowboyØ	x	x		108	6	3
La Paz	x	x	x	99	21	5
Monterrey	x	x		106	20	3
SV6139GRØ	x	x		104	24	-2
SV6533GRØ		x		97	9	-1
Vibrant	x	x	x	108	17	-1
Windbreaker	x	x	x	100	52	0
Varieties that are registered in the US or being tested or proposed for registration in Canada						
11278		x		104	6	-1
16-NP1	x			86	4	4
18-283		x		97	2	2
18-376		x		104	2	1
18-456		x		94	2	1
19-279	x			96	4	7
19-382	x			89	4	5
ND PalominoØ	x	x		106	6	5

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MPSG is proud to support the MCVET pulse and soybean post-registration variety trials.

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For more information visit www.manitobapulse.ca
or follow us on Twitter @MBPulseGrowers

MARKET CLASS/Variety	Years tested			Yield % of Check	Site Years Tested	Maturity ¹ (days) +/- Check	
	2020	2019	2018				
BLACK				% of Eclipse		+/- Eclipse	
Ace	x	x		99	6	-2	
Black Tails	x	x		98	6	0	
CDC Blackstrap®	x		x	94	17	-5	
CDC Jet	x		x	89	43	-1	
CDC Superjet	x		x	88	31	-1	
Eclipse®	x	x	x	100	45	0	
Zenith		x	x	96	6	3	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
W11-02-152		x		83	2	0	
PINK				% of Floyd		+/- Floyd	
Floyd		x	x	100	27	0	
CRANBERRY				% of Etna		+/- Etna	
AAC Scotty		x	x	111	14	5	
Etna	x	x	x	100	58	0	
OAC Candycane	x			134	3	4	
OAC Racer	x			110	3	-1	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
AGT01	x			76	3	1	
Amaranto	x			101	3	-3	
CR10875		x		92	2	-1	
Krimson	x	x	x	103	21	-1	
SV3709GC		x		109	6	-4	
GREAT NORTHERN				% of Pink Panther		+/- of Pink Panther	
Aries	x	x		135	13	-2	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
Powderhorn		x	x	133	8	-3	
DARK RED KIDNEY				% of Pink Panther		+/- of Pink Panther	
Red Hawk		x		65	15	4	
Dynasty	x		x	96	6	6	
Montcalm		x	x	81	5	6	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
161164	x			74	3	5	
Red Rover	x			56	6	5	
LIGHT RED KIDNEY				% of Pink Panther		+/- Pink Panther	
Big Red	x	x	x	99	24	0	
Pink Panther	x	x	x	100	56	0	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
Red Dawn	x			99	8	-9	
Check Varieties				First Year Tested	Yield lbs/ac	Site Years Tested	Maturity (days)
Eclipse			Black	2005	2449	45	96
Etna			Cranberry	2007	1759	58	99
Floyd			Pink	2005	2400	27	92
Pink Panther			Light Red Kidney	2001	1981	56	99
T9905			Navy	2009	2366	30	100
Windbreaker			Pinto	2002	2657	56	93

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

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 ¹ Maturity	Relative Vine Length	Seed Size (TKW)	Resistance Level to:							
						Lodging	Powdery Mildew	Mycos- phaerella blight	Fusarium ² Wilt	Seed Coat			
										Green ³	Breakage	Dimpling ⁴	Bleaching
Yellow													
AAC Ardill	99	35	Mid	M	240	G	VG	F	G	G	G	G	n/a
AAC Asher🌀	102	12	Mid	S	260	G	VG	F	F	G	F	F	n/a
AAC Carver🌀	104	29	Early	L	240	G	VG	F	F	G	G	G	n/a
AAC Chrome🌀	108	25	Long	M	240	G	VG	F	F	G	G	G	n/a
AAC Delhi🌀	102	13	Mid	M	290	G	VG	F	F	G	F	F	n/a
AAC Lacombe🌀	100	33	Long	L	270	G	VG	F	F	F	F	G	n/a
AAC Profit🌀	101	12	Long	M	230	G	VG	F	F	G	F	G	n/a
CDC Amarillo	100	35	Long	M	230	VG	VG	F	G	G	F	F	n/a
CDC Athabasca🌀	96	19	Long	L	300	VG	VG	F	G	G	F	F	n/a
CDC Canary🌀	98	19	Early	L	230	VG	VG	F	F	F	G	F	n/a
CDC Inca🌀	104	33	Mid	L	230	G	VG	F	F	F	G	G	n/a
CDC Lewochko🌀	103	19	Mid	L	230	VG	VG	F	F	G	G	G	n/a
CDC Meadow	97	85	Early	M	220	G	VG	F	F	G	G	G	n/a
CDC Saffron	97	49	Mid	M	250	G	VG	F	F	G	G	F	n/a
CDC Spectrum🌀	95	19	Long	L	240	VG	G	F	F	G	G	G	n/a
Green													
AAC Comfort🌀	97	24	Long	M	260	G	VG	F	F	n/a	G	G	G
Blueman🌀	96	6	Long	M	230	G	VG	F	F	n/a	VG	G	F
CDC Forest🌀	101	19	Long	L	230	G	VG	F	F	n/a	G	G	G
CDC Greenwater	97	34	Mid	M	220	G	VG	F	G	n/a	VG	G	G
CDC Limerick	96	34	Long	M	210	VG	VG	F	F	n/a	VG	G	G
CDC Spruce🌀	98	19	Long	L	240	G	VG	F	F	n/a	F	F	G
CDC Striker	87	89	Early	M	230	VG	P	F	G	n/a	VG	G	G
Maple													
AAC Liscard	93	24	Early	M	180	G	VG	F	n/a	n/a	n/a	n/a	n/a
Forage													
DL Delicious	73	6	Long	VL	220	F	n/a	F	n/a	n/a	VG	F	n/a
DL Goldeye🌀	69	13	Long	VL	160	VP	n/a	F	n/a	G	VG	VG	n/a
DL Lacross	86	13	Mid	VL	190	G	n/a	F	n/a	F	VG	G	n/a
LSD %	6												
CHECK CHARACTERISTICS													
CDC Armarillo	76		94										
	bu/ac		Days										

1 Maturity Ratings Determined at Hamiota, Morden, Melita, Swan River, -3 days considered early, 0 to +3 days considered long.

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

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

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

For Protein data on Peas please go to Seed Manitoba online: www.seedmb.ca

2020-2021 Yellow Pea Contracts

Multi-Year Contracting Opportunity

Roquette is offering the option of pricing one or two-year contracts for the upcoming growing season.

Contracted Peas Picked Up on Farm

No cost to the producer for transportation.

For more information contact:

Glen Last, Grain Buyer at c: (204) 872-0619
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Preferred Variety Premium

All yellow peas varieties are eligible for 2021 Roquette contracts, with sustainability premiums.

An additional premium will be added when growing one of the following preferred varieties:

Abarth	CDC Amarillo	CDC Profit
Agassiz	CDC Canary	CDC Saffron
AAC Asher	CDC Inca	CDC Spectrum
AAC Lacombe	CDC Lewochko	

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Yield Comparisons

Variety	2020 Yield % CDC Amarillo					
	Carberry	Hamiota	Melita	Morden	Roblin	Swan River
Yellow						
AAC Ardill	112	101	98	109	125	109
AAC Asher	106	88	108	118	100	109
AAC Carver [®]	107	91	100	110	116	102
AAC Chrome [®]	116	85	107	121	113	114
AAC Delhi [®]	95	94	105	117	111	110
AAC Lacombe [®]	109	90	98	122	106	109
AAC Profit [®]	112	93	98	100	111	109
CDC Amarillo	100	100	100	100	100	100
CDC Athabasca [®]	110	94	97	90	101	103
CDC Canary [®]	113	99	91	102	115	102
CDC Inca [®]	118	106	101	112	104	111
CDC Lewochko [®]	100	116	98	99	107	108
CDC Meadow	100	97	100	108	88	106
CDC Saffron	109	89	91	106	99	101
CDC Spectrum [®]	89	90	94	98	95	104
Green						
AAC Comfort [®]	122	89	101	97	115	107
Bluelman [®]	98	85	95	94	121	107
CDC Forest [®]	112	102	101	86	102	107
CDC Greenwater	107	98	93	101	95	105
CDC Limerick	97	101	96	97	88	98
CDC Spruce [®]	88	88	97	100	113	107
CDC Striker	99	81	89	96	105	93
Maple						
AAC Liscard	97	89	96	101	100	96
Forage						
DL Delicious	95	66	67	89	78	70
DL Goldeye [®]	82	71	57	61	85	66
DL Lacross	98	86	95	103	93	71
CDC Amarillo (bu/ac)	94	67	94	78	72	92
CV %	10.2	4.5	7.2	6.8	11.0	4.8
LSD (%)	17	7	11	11	19	8
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	06-May	07-May	06-May	19-May	07-May	14-May
Harvest Date	24-Aug	25-Aug	17-Aug	24-Aug	27-Aug	27-Aug



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YELLOW PEAS

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