

Variety Description Key

A "CHECK CHARACTERISTICS" is at the bottom of each table for mustard, soybean and sunflower to display the long term yield, # of site years, maturity and any other check attributes.

The grey box has been placed at the bottom of each table for canola and flax displaying the "GRAND MEAN" for Yield (bu/acre) and the corresponding LSD value ($p < 0.05$).

Except for the long term average yield, variety description information was obtained from the Co-operative Registration Trials. For Relative Maturity, actual number of days will depend on local climactic conditions and to some extent on management practices.

"Resistance Level" ratings: HS = highly susceptible; S = susceptible; MS = moderately susceptible; MR = moderately resistant; R = resistant; '-' = not available.

Site Years Tested is the cumulative number of locations over the years that a variety has been tested against the check variety.

☞ Indicates a variety that is protected by Plant Breeder's Rights legislation that complies with UPOV 1978.

☞ Indicates a variety that is protected by, or has been applied for and is pending, Plant Breeder's Rights legislation that complies with UPOV 1991.

Key to 2016 Yield Tables

CV % = Coefficient of Variation. A measure of random variation in a trial. A low CV is desirable.

LSD = Least Significant Difference. Varieties must differ by the LSD to be considered significantly different from one another.

Sign Diff = Significant Difference. Indicates if a real difference exists between varieties at an individual site.

Canola Comments

For specific notes regarding the canola tables, refer to the CANOLA COMMENTS at the top of page 49.

Soybean Comments

For specific notes regarding the soybean tables, refer to the SOYBEAN COMMENTS at the top of page 58.

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Canola Comments

The Variety Descriptions table summarizes the performance of canola varieties tested in 2015 through the post-registration Canola Performance Trial (CPT). The CPT information provides data which has been audited by field inspection and data analysis process. The data presented was collected based on a specific scientifically designed protocol to ensure comparisons are unbiased. Detailed notes on other variety attributes and trial management are at www.canolaperformancetrials.ca

Performance at individual locations can be compared within the HT group and between groups, but the best performance indicator is to compare varieties over multiple sites. The trial design included grouping by herbicide tolerance so the LSD (Least Significant Differences) has been included for each HT group to determine if yield difference between varieties are significant. Using the comparisons of the yield performance to the standard 5440, comparisons can be made between HT groups and between small plot and field scale trials.

Data Sources:

Data presentation in the long and mid season canola growing zones trials table (page 52) was collected from small plot/replicated trials that are typically less than ¼ acre in size. Varieties have been entered by the representative marketing company for testing.

Blackleg Rating for Canola

The rating represents a variety's blackleg tolerance relative to the susceptible variety Westar. Varieties with a resistant (R) or moderately resistant (MR) rating for blackleg have shown the greatest ability to suppress blackleg, but can still develop some lesions or cankers. Individual field performance and tolerance may vary from tolerance levels reported in the registration trials. In fields showing higher than expected levels of blackleg or where there has been history of a tight rotation with canola, it may be necessary to lengthen rotation to achieve sufficient blackleg control.

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CANOLA (continued)

Clubroot Resistant Varieties (information from <http://archive.canola-council.org/clubroot/>)

Clubroot (*Plasmodiophora brassicae*) is a disease of canola, which is long-lived in soil and is difficult to manage once it becomes established. Clubroot has been found at very low concentrations in Manitoba canola fields.

Clubroot resistant varieties are available for planting with resistance to the predominant pathotypes, but are not immune to the disease. With continued use, selection pressure for other clubroot pathotypes may occur that cannot be controlled by varietal resistance. To maintain genetic tools for the long-term, proper crop rotations and agronomic practices are needed.

Current varieties - Bayer CropScience: L135 C, L241C; Brett Young: 6056CR, 6076CR; CANTERRA Seeds: 1960, CS2000; Cargill: V12-3; Crop Production Services: VR 9558 GC, VR 6562 GC, PV 580 GC; DeKalb: 74-47 CR, 74-54 RR, 75-57 CR; Dow AgroSciences: 1020 RR, 2020 CL; DuPont: D3152, D3155C; Pioneer Hi-Bred: 45H29, 45H33; Syngenta: SY4105

CANOLA

SEE CANOLA NOTES

Variety Description

Distributor	Variety (B.napus)	LONG Season Zone (8 trials)				MID Season Zone (16 trials)				Disease ¹ Tolerance
		Yield 5440%	Maturity (days)	Lodging (1-5)	Height (inches)	Yield 5440%	Maturity (days)	Lodging (1-5)	Height (inches)	
Clearfield										
BrettYoung	5525 CL	98	92	2.3	50	91	96	2.0	48	BL
CANTERRA SEEDS	CS2200CL	94	93	2.5	50	93	97	2.3	47	BL
	LSD (%)	13				17				
Liberty										
Bayer CropScience	5440	100	92.6	1.8	50.6	100	96	1.4	49	BL
Bayer CropScience	L252	117	93.4	2.3	49.1	106	97	2.2	47	BL
Bayer CropScience	L261	108	94.2	2.5	53.8	104	98	1.8	52	BL
Bayer CropScience	L140P	107	91.8	3.5	49.0	99	95	2.8	48	BL
	LSD (%)	10				10				
Roundup										
CANTERRA SEEDS	1990	100	91.9	3.0	46.4	94	96	2.8	46	BL
BrettYoung	6074RR	105	94.8	2.7	49.2	102	98	2.1	47	BL/CR
BrettYoung	6056CR	97	94.6	2.4	49.5	93	98	2.1	47	BL
BrettYoung	6080RR	98	92.6	2.4	47.7	97	97	1.9	48	BL
CANTERRA SEEDS	CS2000	102	93.8	2.4	51.7	99	97	2.6	50	BL/CR
CANTERRA SEEDS	CS2100	102	93.7	2.5	48.4					BL
Syngenta	SY4166	101	92.1	3.0	51.0	98	96	2.9	48	BL
Syngenta	SY4157	105	94.3	2.3	52.2	102	98	2.3	49	BL
Cargill - VICTORY Hybrid	V12-1 *	100	93.4	2.3	50.2	93	96	2.7	47	BL
Cargill - VICTORY Hybrid	V12-3 *	102	93.4	2.7	49.8	99	97	2.9	47	BL/CR
Varieties that have been supported for registration										
DL Seeds	14DL30209	95	92.0	2.8	49.2	93	97	2.8	48	BL
Syngenta	14H1176	108	95.6	2.4	53.2	102	99	2.0	50	BL/CR
Proven Seed / CPS	PS-SY 13-1579	107	94.3	2.0	51.0	100	98	1.6	49	BL
Proven Seed / CPS	PS-SY 13-1651	102	92.3	2.0	47.9	94	96	2.0	46	BL
	LSD (%)	8				9				
CHECK MEAN 5440 (bu/ac)		58				62				

* Indicates varieties with Specialty oil profiles and premiums associated with pricing. Visit www.canolaperformancetrials.ca for more details

¹ Indicates genetic resistance with a "R" or resistant rating to BL=Blackleg; CR=Clubroot



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CANOLA PERFORMANCE TRIAL — Long and Mid Season Zone Plot Location Data

Variety (B.napus)	LONG SEASON ZONE 2015 YIELD (%5440)								MID SEASON ZONE 2015 YIELD (%5440)											
	Beausejour, MB	Elm Creek, MB	Melita, MB	Outlook, SK	Portage la Prairie, MB	Souris, MB	Stonewall, MB	Thornhill, MB	Aberdeen, SK	Arborg, MB	Dauphin, MB	Elstow, SK	Foam Lake, SK	Melfort 1, SK	Nipawin, SK	North Battleford, SK	Saskatoon 1, SK	Saskatoon 2, SK	Vanscoy, SK	Yokton, SK
Clearfield																				
5525 CL	104	108	109	95	83	98	88	99	90	80	95	81	85	92	93	91	90	94	98	98
CS2200CL	102	106	98	82	84	97	83	102	94	80	96	89	85	94	94	90	91	103	96	98
LSD (%)	28	12	9	20	11	21	5	2	15	1	8	33	15	6	14	8	12	27	27	4
Liberty																				
5440	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
L252	141	135	114	112	105	105	108	116	114	108	116	93	109	109	100	105	111	116	98	111
L261	121	114	117	103	95	103	105	103	89	103	109	94	102	111	97	103	111	101	96	116
L140P	129	111	104	102	94	114	97	105	93	97	110	92	94	102	101	100	102	77	91	108
LSD (%)	21	11	15	13	9	6	5	4	9	19	13	17	8	6	14	6	7	14	17	4
Roundup																				
1990	94	103	110	103	91	111	97	95	98	81	111	89	85	100	96	99	99	75	82	97
6074RR	106	126	108	101	87	111	100	102	111	81	122	82	101	107	101	96	99	116	102	108
6056CR	108	108	102	95	82	100	88	93	91	65	108	98	88	94	97	90	95	76	93	99
6080RR	86	118	105	94	91	108	95	91	98	80	115	89	93	101	98	97	95	92	89	108
CS2000	103	115	102	97	88	99	100	112	114	91	117	85	96	102	99	104	92	88	92	106
CS2100	104	114	97	96	93	109	94	109	—	—	—	—	—	—	—	—	—	—	—	—
SY4166	123	111	102	83	89	107	91	103	104	93	112	96	93	88	89	99	106	80	87	104
SY4157	109	124	111	100	91	104	96	108	107	109	108	88	98	100	92	100	97	99	100	98
V12-1 *	100	118	104	88	86	109	93	103	97	87	106	98	91	93	94	94	94	82	79	93
V12-3 *	125	115	103	94	83	103	92	101	103	90	108	97	92	93	94	99	98	91	90	95
Varieties that have been supported for registration																				
14DL30209	100	101	97	87	89	98	87	100	98	83	99	88	91	95	99	89	93	67	88	103
14H1176	130	124	109	98	87	109	95	110	108	99	110	92	91	94	96	100	96	104	100	107
PS-SY 13-1579	132	131	108	95	92	93	96	108	104	109	116	89	95	92	100	96	98	97	89	101
PS-SY 13-1651	118	117	104	87	89	99	92	108	102	91	105	98	91	93	104	93	92	74	72	104
LSD (%)	18	8	9	11	7	7	5	10	9	16	8	12	8	5	10	7	7	12	17	8
CHECK MEAN 5440 (bu/ac)	31	35	53	82	69	65	79	48	41	43	59	65	82	71	61	66	97	47	36	70
GRAND MEAN (bu/ac)	35	41	56	79	62	67	74	49	41	39	64	59	77	69	59	64	95	43	33	72
CV%	13.1	9.1	6.6	7.8	5.7	6.6	3.3	6.3	7.1	9.1	6.9	10.1	5.6	3.8	8.6	4.8	5.0	10.2	13.4	5.5

* Indicates varieties with Specialty oil profiles and premiums associated with pricing. Visit www.canolaperformancetrials.ca for more details



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FLAX

New for 2015

Varieties that have been supported for registration

Code	Breeder	Distributor
FP2316	Crop Development Centre	SeCan
FP2357	AAFC - Morden	SeCan
FP2388	Crop Production Services	Crop ProductionServices
FP2454	Crop Production Services	Crop ProductionServices
FP2457	Crop Production Services	Crop ProductionServices

Comments:

All variety descriptions other than yield are based on data from the Flax Cooperative Trials in the Prairie Provinces

AC Emerson demonstrates the greatest tolerance to flax chlorosis.

All varieties are immune to rust.

The Canadian Grains Commission advises that the oilseed flax variety **CDC Arras**, **Flanders** and **Somme** deregistered effective August 1, 2017.

Variety Descriptions

Variety	Site	Yield bu/acre	Maturity	Height	Seed Color	Seed Size TKW	Oil Content	Oil Quality ¹ :		Resistance to:	
	Years Tested		+/- 102 days	+/- 27 inches				Iodine Number	ALA Content	Lodging	Fusarium Wilt
AAC Bravo	16	33	1	0	brown	6.4	44.6	194.0	60.2	G	MR
AC Emerson	30	32	-2	-1	brown	6.4	43.8	196.1	59.3	G	R
CDC Bethune	115	34	0	0	brown	5.8	45.6	188.6	54.7	G	MR
CDC Glas	16	35	1	1	brown	5.2	45.8	192.0	56.6	G	MR
CDC Neela	16	34	1	1	brown	5.7	45.5	194.4	59.1	G	MR
CDC Plava	7	34	-2	-1	brown	5.7	46.5	195.5	57.2	G	MR
CDC Sanctuary	27	35	3	1	brown	5.8	45.6	190.7	57.2	G	MR
CDC Sorrel	51	34	1	1	brown	6.4	45.1	192.7	57.8	F	MR
Hanley	70	32	-2	-2	brown	5.7	44.7	197.7	58.6	VG	R
Lightning	40	33	1	-2	brown	6.0	47.6	192.5	56.1	G	MR
VT50	7	33	4	-2	yellow	5.1	47.1	209.4	67.6	VG	MR
Prairie Blue	68	34	1	-1	brown	5.2	46.3	192.2	57.3	VG	MR
Prairie Grande	40	33	-2	-4	brown	5.8	45.6	192.9	57.5	G	MR
Prairie Sapphire	35	35	2	-1	brown	5.8	48.1	193.1	57.2	G	MR
Prairie Thunder	49	33	0	-3	brown	5.9	45.3	194.7	57.9	G	R
Taurus	39	33	0	-1	brown	5.6	45.6	187.0	53.9	VG	MR
Vimy	4	33	1	0	brown	6.1	45.0	191.9	57.6	F	MR
WestLin 70	12	33	2	2	brown	6.4	45.8	194.5	61.9	G	MR
WestLin 71	12	33	2	-2	brown	5.6	47.5	198.1	61.2	G	MR
WestLin 72	7	34	3	-1	brown	5.4	47.0	192.8	57.0	VG	MR
Varieties that are being tested or proposed for registration											
FP2308	9	34	1	0	brown	5.8	45.5	191.8	57.5	G	MR
FP2316	4	33	1	1	brown	5.9	45.3	189.9	54.6	G	MR
FP2357	4	34	3	1	brown	5.3	47.7	192.5	56.5	VG	MR
FP2388	5	33	-1	-2	brown	5.7	46.1	197.9	59.9	G	MR
FP2454	4	33	-2	-3	brown	5.4	47.6	197.5	60.3	VG	MR
FP2457	4	32	0	0	brown	5.8	45.9	188.2	54.4	G	MR
GRAND MEAN (bu/ac)		33									
LSD (0.05)		1.7									

1 Oil quality of flax is based on the amount of linolenic acid measured in the seed or as measured by iodine value which is calculated from the fatty acid composition of the seed. A higher iodine value and/or higher ALA content indicates a higher overall oil quality in the seed.

2 E = Excellent; VG = Very Good; G = Good; FG = Fair to Good; F = Fair; PF = Poor to Fair; P = Poor.

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– White Milling Oat

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Brasetto

– Hybrid Fall Rye

- higher yields, high ROI

AAC Bravo

– Flax

- large seed, good yield

Abarth

– Yellow Pea

- large seed, high yield



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FLAX (continued)

Yield Comparisons

VARIETY	2015 Yield (bu/acre)			
	Hamiota	Roblin	Stonewall	Morden
AAC Bravo☼	41	38	29	34
CDC Bethune☼	37	39	28	32
CDC Glas☼	43	39	29	33
CDC Neela☼	43	43	32	32
CDC Plava☼	47	39	29	32
CDC Sanctuary☼	44	45	29	32
CDC Sorrel☼	—	—	27	—
VT50☼	40	37	34	31
Prairie Sapphire☼	—	41	—	—
WestLin 71☼	40	34	26	32
WestLin 72☼	45	40	27	29
Varieties that have been supported for registration				
FP2316	39	39	27	30
FP 2357	45	42	30	30
FP2388☼	43	33	28	32
FP2454☼	41	37	27	30
FP2457☼	37	35	26	32
SITE GRAND MEAN (bu/ac)	42	39	29	31
CV%	7.6	6.0	5.5	7.3
LSD (bu/ac)	5	4	3	—
Sign Diff	Yes	Yes	Yes	No
Seeding Date	12-May	15-May	27-May	27-May
Harvest Date	22-Sep	25-Sep	02-Oct	16-Sep

MUSTARD

Comments:

All varieties are rated resistant tolerance to blackleg.

Data from the 1999-2012 Co-operative Mustard Test and has been approved for publication by the Prairie Recommending Committee for Oilseeds (PRCO).

Variety Descriptions¹

Variety	Site Years Tested	Yield % Check	Days to Maturity +/- Check	Height +/- Check	Seed Weight (g/1000)	Mucilage ¹ cS* ml/g	Volatile Oil ² (mol/g seed)	Fixed Oil % Seed	Protein % Seed
Yellow - Sinapis alba		% of AC Pennant							
AC Pennant	14	100	0	0	92	44.7	—	29.5	34.3
Adante	14	101	1	6	93	55.7	—	28.4	35.1
Oriental - Brassica juncea		% of Cutlass							
Cutlass	14	100	0	0	91	—	11.6	41.0	29.1
Forge	14	97	1	10	92	—	12.2	38.9	29.6
AC Vulcan	14	98	0	1	91	—	12.4	40.6	29.5
Brown - Brassica juncea		% of Duchess							
Duchess	14	100	0	0	92	—	9.5	38.1	28.7
Amigo ³	5	92	2	0	94	—	13.6	34.7	30.3
Centennial Brown	14	101	0	4	92	—	10.3	36.3	30.1
CHECK CHARACTERISTICS									
Yellow - AC Pennant	14	1755	92	96					
Oriental - Cutlass	14	2083	91	115					
Brown - Duchess	14	1932	92	113					
	site years	lb/ac	days	cm					

1 Mucilage in yellow mustard is a measurement of viscosity of aqueous extracts from seed.

2 Volatile oil = allyl glucosinolate

3 Data from 2008-2012 Co-operative Mustard Test

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SOYBEANS

NOTES FOR ALL SOYBEAN TABLES

Maturity Notes: Always Use More Than 1 Criteria to Evaluate Maturity.

- 1 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 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.
- 2 Maturity grouping is a ranking of maturity provided by seed suppliers. These rankings are assigned to varieties to assist growers to select varieties suited for their area.
- 3 Relative 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) and is expressed as + or - days from the check. Growers need to be cautious when using only one year data when evaluating maturity and yield. Using multiple year maturity data when available will give you a better indication on how a variety will mature with different growing seasons. Actual days to maturity for the check is found in the grey "Check Characteristics" Box at the bottom of the table.

General Notes:

- 1 Roundup Ready and Conventional soybean varieties are evaluated separately, meaning direct comparison of varieties between different tables is not possible. All trials are solid seeded at 210,000 seeds/acre.
- 2 Hilum colour can range from Yellow (Y), ImperfectYellow (IY), Grey (G), Brown (BR), Buff (BF), Tan(TN) Imperfect Black (IB) or Black (BL) and is solely a marketing issue. The hilum is the point on the soybean seed where it attaches to the pod.
- 3 Relative Seeds/lb, these were the seed numbers of the varieties entered into the trial. Soybean 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.
- 4 Lodging is rated at harvest; 1=standing upright, 5= flat along the ground. A rating of 3 or more can promote white mold within the crop canopy.
- 5 Iron Deficiency Chlorosis (IDC) rating scores 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 4 sites prone to iron chlorosis over the last 2 years. IDC tolerant varieties are varieties with lower IDC Scores and perform better on soils prone to iron deficiency.
- 6 Iron Deficiency Chlorosis (IDC) grouping is used because varieties will have different visual rating scores from year to year. Numerical ratings which are close but are in different groupings will show similar symptoms. Both numerical and groupings should be considered together when judging IDC. Tolerant=leaves stayed green, Semi Tolerant=leaves when yellow then turned green, Susceptible= leaves went chlorotic and had dead patches on their leaves and were often stunted.



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over 1,000 acres at Sanford Manitoba.

LS Northwester : 44.5 bushels / acre

LS 005R22 : 48 bushels / acre

LS PRO 2525R : 51 bushels / acre

LS Maidan : 54 bushels / acre

LS Eclipse : 54 bushels / acre



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WESTERN MANITOBA SOYBEAN ADAPTATION TRIAL

Comments:

The Western Manitoba soybean adaptation trial data was donated by the Manitoba Pulse & Soybean Growers.

Variety Descriptions

Variety	Company	Yield	Site	Relative Days to Maturity ¹				2015 Yield % of 23-10RY				
	Maturity	%	Years	+/- Check				Boissevain	Dauphin	Hamiota	Melita	Roblin
	Grouping	Check	Tested	Average	2015	2014	2013					
P001T34R☼	000	83	14	-5	-2	-6	-7	90	84	96	82	100
S009-M2	000.9	108	5	-2	-2	—	—	107	105	106	99	131
P002T04R	00.2	95	9	-2	0	-3	—	99	82	96	85	101
NSC Moosomin RR2Y	000.9	92	14	-1	1	-3	-2	112	77	85	86	83
23-10RY	00.1	100	20	0	0	0	0	100	100	100	100	100
22-60 RY	000.8	100	9	1	2	1	—	103	91	102	100	105
LS NorthWester	00.2	102	9	2	3	1	—	103	93	97	91	105
NSC Anola RR2Y	00.2	107	14	2	6	3	-2	104	93	94	100	105
NSC Reston RR2Y	00.1	99	15	2	3	2	2	117	88	100	100	100
LS 002R24N	00.2	107	14	3	6	2	0	111	94	98	108	110
23-60RY	00.3	105	14	3	5	-2	5	109	93	102	98	106
TH 33003R2Y	00.3	104	15	3	8	3	-2	123	92	99	103	101
Bishop R2	00.2	100	15	3	6	3	0	112	102	93	91	102
McLeod R2	00.3	107	15	3	6	4	0	103	92	96	101	101
Pekko R2	00.1	99	20	4	5	5	1	101	99	100	97	109
TH 32004R2Y	00.4	112	20	4	7	3	1	107	96	105	108	101
PS 0035 NR2	00.3	103	14	4	8	3	1	95	96	101	103	106
NSC Gladstone RR2Y	00.3	107	14	4	9	4	0	103	108	101	112	111
NSC Tilston RR2Y	00.4	106	15	4	8	5	0	118	95	99	104	104
Notus R2	00.1	99	9	5	5	4	—	105	98	105	105	102
23-11RY	000.9	100	9	5	4	5	—	113	88	101	96	107
900Y61☼	00.6	99	20	5	9	3	2	101	90	99	88	100
S007-Y4	00.5	114	9	5	6	4	—	120	108	106	114	112
P006T78R☼	00.6	110	5	5	5	—	—	124	103	105	105	117
Vito R2	00.2	97	15	5	8	6	2	104	94	97	97	95
Mahony R2	00.3	111	9	6	6	5	—	110	104	114	103	112
TH 35002R2Y	00.2	97	9	6	7	5	—	119	100	98	116	118
TH 33005R2Y	00.5	106	14	6	9	7	3	104	93	101	107	96
Akras R2	00.3	109	9	7	8	5	—	114	107	106	102	102
LS 003R24N	00.3	101	9	7	8	5	—	113	95	97	101	110
PRO 2525R2	00.5	113	10	7	11	—	3	108	92	101	103	113
Lono R2	00.5	108	9	8	8	7	—	114	97	105	100	115
Hero R2	00.4	109	9	8	9	6	—	122	104	114	114	120
HS 006RYS24	00.6	101	15	8	9	6	—	106	94	101	110	108
Experimental lines being tested/proposed for registration in Canada												
NSC Watson RR2Y	000.9	96	5	-1	-1	—	—	107	92	96	85	101
CHECK CHARACTERISTICS							23-10RY (bu/ac)	57	62	54	42	32
23-10 RY		50	20	126	115	127	135	CV%	5.4	7.7	5.2	4.0
		bu/ac	site years	days to maturity				LSD%	9	13	8	6
								Sign Diff	Yes	Yes	Yes	Yes
								Seeding Date	21-May	22-May	28-May	15-May
								Harvest Date	06-Oct	15-Oct	15-Oct	30-Sep
												14-Oct

¹ Maturity Based on Data from Boissevain, Hamiota, Melita and Roblin.

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CONVENTIONAL SOYBEANS

Comments:

The Conventional Soybean variety trial was tested and the data was donated by Manitoba Pulse & Soybean Growers

Variety Descriptions

Manitoba Variety Zone	Company Maturity Grouping	Variety	Relative Days to Maturity ¹ + / - of Check				Yield % Check	Site Years Tested	Hilum Colour	Lodging ²		IDC ³	
			Average	2015	2014	2013				Clay	Loam	Rating (1- 5)	Grouping
Short Season Zone	00.4	AAC Edward	-3	-1	-4	-2	106	19	IY	1.3	2.2	1.8	ST
		Experimental lines being tested/proposed for registration in Canada											
	00.2	OT13-07	-2	-1	-3	—	100	12	Y	1.9	2.2	—	—
	00.2	OT13-05	-1	-1	-2	—	89	12	Y	1.5	3.0	—	—
Mid - Long Season Zone	00.3	OAC Prudence	0	0	0	0	100	103	Y	2.7	3.5	1.6	T
	00.3	AAC Mandor	3	2	4	3	109	32	Y	1.6	2.0	2.3	ST
	00.5	OAC Morden (SeCan 11-05C)	4	2	5	5	105	26	Y	1.3	2.0	1.9	ST
		Experimental lines being tested/proposed for registration in Canada											
	00.2	SVX16T00S1	1	1	—	—	94	6	GR	1.7	1.8	—	—
	00.5	OT13-08	3	4	3	—	103	12	IY	1.4	1.7	—	—
	00.7	OT11-03	5	5	5	5	106	20	Y	1.4	2.8	—	—
	0.1	JARI	7	7	8	—	107	12	IY	2.0	2.7	2.1	ST
	00.9	OT13-04	8	8	9	—	107	12	Y	2.7	3.0	—	—
	0.2	CFS15.2.01 CV	9	9	—	—	103	6	BR	1.3	2.0	—	—
	00.3	SVX16T00S2	5	5	—	—	110	6	IY	1.9	3.3	—	—
CHECK CHARACTERISTICS													
OAC Prudence			112	108	115	114	49	103					
			Days to maturity				bu/acre		site years				

1 Maturity Ratings for 2015 are average across Carman, Morris, St. Adolphe

2 Lodging ratings are average across Loams(Carman) Clays (St. Adolphe, Morris)

3 Iron Deficiency Chlorosis (IDC) Groupings; T=Tolerant, ST=Semi-Tolerant, S=Susceptible

Yield Comparisons

Manitoba Variety Zone		2015 Yield: % of OAC Prudence							
		Early Sites		Core Sites				Late Sites	
		Beausejour	Stonewall	Carman	Morris	Portage	St. Adolphe	Morden	Rosebank
Short	AAC Edward (OT11-01)	107	112	128	121	100	106	—	—
Season Zone	Experimental lines being tested/proposed for registration in Canada								
	OT13-07	100	97	104	111	98	98	—	—
	OT13-05	85	81	88	98	80	99	—	—
Mid - Long	OAC Prudence	100	100	100	100	100	100	100	100
	AAC Mandor	98	108	117	116	107	112	—	—
	OAC Morden (SeCan 11-05C)	—	—	109	116	79	110	110	100
Season Zone	Experimental lines being tested/proposed for registration in Canada								
	SVX16T00S1	92	92	96	105	83	95	—	—
	OT13-08	109	91	106	109	88	104	—	—
	OT11-03	—	—	100	117	97	110	102	97
	JARI	—	—	113	110	98	113	111	98
	OT13-04	—	—	110	121	94	115	113	96
	CFS15.2.01 CV	—	—	92	119	92	114	113	94
	SVX16T00S2	105	102	115	120	103	118	—	—
Check Characteristics OAC Prudence (bu/acre)		52	42	56	44	53	41	56	39
CV %		6.0	5.0	7.6	3.8	9.2	6.3	7.6	8.2
LSD %		11	9	13	8	16	13	—	—
Sign Diff		Yes	Yes	Yes	Yes	Yes	Yes	No	No
Seeding Date		01-Jun	27-May	27-May	25-May	02-Jun	22-May	25-May	25-May
Harvest date		29-Sep	02-Oct	29-Sep	23-Sep	16-Oct	29-Sep	30-Sep	22-Sep

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New for 2016

Variety	Previous Code	Distributor	Seed Availability
Podaga R2	CFS12.5.01 R2	Brett Young	2016
Lono R2	CFS13.2.01 R2	Brett Young	2016
22-60RY	MKZ913A4	DEKALB	2016
23-11RY	MKZ613A3	DEKALB	2016
24-11RY	FLZ612A3	DEKALB	2016
LS Northwester	LS Northwester	Delmar Commodities	2016
LS Maidan	LS Maidan	Delmar Commodities	2016
LS 008R560	DAS008G13R2	Delmar Commodities	2016
P006T78R	PH 14002	DuPont Pioneer	2016
NSC Arnaud RR2Y	NSC Arnaud RR2Y	Northstar Genetics Manitoba	2016
PS 0055 R2	EXP 00813BNR2	PRIDE Seeds	2016
Mahony R2	SC2350R2	Secan	2016
S0009-M2	S0009-M2	Syngenta Canada	2016

Variety Descriptions

Manitoba Variety Zone	Company Maturity Grouping	Variety	Type ¹	Relative Days to Maturity ² + / - of Check				Yield % Check	Site Years Tested	Hilum Colour	Lodging ³		IDC ⁴		Notes ⁵
				Average	2015	2014	2013				Clay	Loam	Rating (1- 5)	Grouping	
Short Season Zone	000	P001T34R☼	RR1	-12	-10	-13	-12	67	24	BR	1.0	1.3	2.0	ST	—
	00.2	P002T04R☼	RR1	-9	-9	-9	—	76	13	TN	1.1	1.5	2.1	ST	1k
	000.9	NSC Moosomin RR2Y	R2Y	-7	-5	-8	-8	82	19	BR	1.1	1.3	2.9	S	—
	000.8	22-60RY	R2Y	-6	-7	-6	—	88	13	BL	1.1	1.0	2.1	ST	1c
	000.9	S0009-M2	R2Y	-6	-6	—	—	89	6	BR	1.9	1.7	2.0	ST	Rps6
	00.1	Pekko R2	R2Y	-5	-5	-5	-5	92	29	BL	1.2	1.7	2.2	ST	—
	00.2	Bishop R2	R2Y	-5	-4	-5	-4	90	30	IY	1.6	2.5	2.3	S	—
	00.2	LS Northwester	R2Y	-4	-5	-4	—	86	13	BL	1.6	1.8	1.8	ST	—
	00.1	NSC Reston RR2Y	R2Y	-4	-3	-5	-5	92	25	BL	1.6	1.2	2.7	S	1k
	000.9	23-11RY	R2Y	-4	-3	-5	—	92	13	BL	1.2	1.3	1.6	T	1c
	00.3	Mahony R2	R2Y	-4	-3	-4	—	100	13	BL	1.5	1.7	2.7	S	—
	00.5	S007-Y4	R2Y	-3	-3	-4	-4	103	19	IY	1.2	1.5	2.1	ST	1c
	00.6	Notus R2	R2Y	-3	-3	-3	—	93	13	BL	1.1	1.3	1.7	T	1c
	00.3	23-60RY	R2Y	-3	-2	-4	-3	100	19	BL	1.7	2.3	1.7	T	—
	00.3	McLeod R2	R2Y	-3	-3	-4	-2	95	25	BL	1.2	1.3	1.7	T	—
	00.6	P006T78R☼	RR1	-3	-4	-2	—	93	13	BR	1.0	1.0	2.0	ST	1c
	00.3	PS 0035 NR2	R2Y	-3	-2	-4	-3	98	19	BL	1.4	2.3	1.8	ST	SCN
	00.5	PS 0055 R2	R2Y	-3	-3	-2	—	95	12	IY	1.2	1.3	1.7	T	—
	00.2	NSC Anola RR2Y	R2Y	-3	-2	-2	-4	96	29	BL	1.1	1.0	1.8	ST	1c
	00.4	TH 32004R2Y	R2Y	-3	-1	-2	-4	99	33	BL	1.2	2.0	2.0	ST	1c
	00.2	LS 002R24N	R2Y	-2	-1	-3	-2	100	19	BL	1.5	1.7	2.2	ST	SCN
	00.2	TH 35002R2Y	R2Y	-2	-1	-3	—	91	13	BL	1.5	2.8	2.5	S	—
	00.3	NSC Gladstone RR2Y	R2Y	-2	-1	-3	-1	96	19	BL	1.4	1.7	2.0	ST	—
	00.3	Akras R2	R2Y	-2	-2	-1	-2	100	24	IB	1.2	1.3	1.7	T	1k
	Experimental lines being tested/proposed for registration in Canada														
	000.9	NSC Watson RR2Y	R2Y	-6	-6	—	—	87	6	IY	1.4	1.8	1.6	T	—
	000	PR1418113R2	R2Y	-4	-4	—	—	87	6	BL	2.6	2.3	2.3	S	—
	00.4	AR1215503	R2Y	-3	-3	—	—	91	6	BR	1.4	1.7	1.9	ST	—
	00.7	AR1310870	R2Y	-3	-3	—	—	89	6	Y	1.2	1.2	2.0	ST	—
Mid Season Zone	00.5	24-11RY	R2Y	-1	-2	-1	—	96	13	BL	1.4	2.3	1.7	T	—
	00.6	S00-N6	R2Y	-1	0	-3	0	99	19	BL	1.3	2.3	2.0	ST	—
	00.5	TH 33005R2Y	R2Y	-1	-1	0	-2	103	25	BL	1.1	1.0	2.0	ST	1c,1k
	00.3	LS 003R24N	R2Y	-1	0	-3	0	96	19	BL	1.3	1.8	1.8	ST	SCN
	00.6	Chadburn R2	R2Y	-1	0	-1	-1	95	32	BL	1.1	1.8	1.7	T	—
	00.2	Vito R2	R2Y	-1	-1	-1	—	92	29	GR	1.5	1.8	2.0	ST	1k
	00.5	Lono R2	R2Y	-1	-1	0	-2	103	19	Br	1.1	1.3	1.9	ST	1k
	00.6	900Y61☼	RR1	0	0	0	-1	91	31	BR	1.2	1.5	1.6	T	1c
	00.4	NSC Tilston RR2Y	R2Y	0	1	-1	-1	97	29	BL	1.8	2.8	1.8	ST	—
	00.3	TH 33003R2Y	R2Y	0	2	-1	-2	97	30	BR	1.9	2.5	2.0	ST	1c
	00.8	P008T70R☼	RR1	0	-1	-1	1	102	19	TN	1.3	1.5	1.9	ST	1k
	00.6	TH 34006R2Y	R2Y	0	0	0	0	100	18	BL	1.3	1.3	2.0	ST	—
	00.5	Gray R2	R2Y	0	1	0	0	96	25	BL	1.3	1.7	1.9	T	1c
	00.5	24-10RY	R2Y	0	0	0	0	100	41	BL	1.3	1.0	1.9	ST	1k
	00.6	HS 006RYS24	R2Y	0	2	-2	1	96	30	BL	1.3	1.8	1.7	T	SCN
	00.7	HS 007RY32	R2Y	1	2	-1	2	100	18	BL	1.2	2.0	1.8	ST	1c,1k
00.4	Hero R2	R2Y	1	1	0	1	101	19	BL	1.2	2.5	2.3	ST	1c	

Manitoba Variety Zone	Company Maturity Grouping	Variety	Type ¹	Relative Days to Maturity ² + / - of Check				Yield % Check	Site Years Tested	Hilum Colour	Lodging ³		IDC ⁴		Notes ⁵
				Average	2015	2014	2013				Clay	Loam	Rating (1- 5)	Grouping	
Long Season Zone	00.5	NSC Sanford R2Y	R2Y	1	2	1	0	101	19	GR	2.0	3.0	2.0	ST	—
	00.8	P008T22R2	R2Y	1	1	1	2	101	19	BL	1.3	2.0	1.6	T	1c
	00.5	LS Maidan	R2Y	1	1	—	—	97	6	Y	1.2	2.3	2.2	ST	—
	00.5	PRO 2525R2	R2Y	1	3	0	—	105	13	BL	1.5	1.5	1.7	T	1c
	Experimental lines being tested/proposed for registration in Canada														
	000	PR1313806R2	R2Y	-1	-1	—	—	88	6	Y	1.2	2.3	2.9	S	—
	00.7	AR1210501	R2Y	-1	-1	—	—	110	6	Y	1.3	1.8	2.4	S	—
	00.8	EXP 00816 R2	R2Y	1	1	—	—	97	6	IB	1.2	1.5	2.1	ST	—
	00.8	NSC Arnaud RR2Y	R2Y	2	3	0	—	101	12	BL	2.1	2.5	2.3	ST	—
	00.7	NSC Richer RR2Y	R2Y	2	2	1	2	102	28	BL	1.6	2.2	1.7	T	1c
	00.9	S00-T9	R2Y	2	2	3	1	105	23	BL	1.4	1.5	1.8	ST	1k
	00.5	LS 005R22	R2Y	2	3	1	3	96	23	BL	1.7	2.0	1.8	ST	—
	00.8	PS 0074 R2	R2Y	2	3	3	1	105	23	BR	2.2	3.0	1.6	T	—
	00.8	25-10RY	R2Y	3	4	2	4	104	28	BL	1.7	2.0	1.8	ST	1c
	00.8	Currie R2	R2Y	4	3	3	5	101	29	BL	1.2	2.2	1.8	ST	1k
Zone	00.8	Podaga R2	R2Y	4	4	3	—	96	12	BR	1.4	2.5	1.7	T	1k
	00.5	LS 005R24	R2Y	4	7	1	4	104	18	BL	2.5	2.8	1.8	ST	—
	00.7	Astro R2	R2Y	5	5	4	6	107	28	BL	1.5	2.2	1.7	T	1k
	00.8	LS 008R560	R2Y	5	6	—	5	101	12	BL	1.8	2.7	1.9	ST	—
	00.9	PRO 2535R2	R2Y	6	6	6	—	104	12	BL	2.3	2.0	1.6	T	1k
	Experimental lines being tested/proposed for registration in Canada														
	00.6	LS Eclipse	R2Y	3	3	—	—	101	6	BL	1.5	1.3	2.3	ST	SCN,1k,1c
	0.1	CFS13.3.01 R2	R2Y	4	5	3	—	98	12	BL	1.9	3.0	2.0	ST	1k
	00.7	TH 36007R2Y	R2Y	5	5	—	—	93	6	BI	2.2	1.7	2.4	S	—
	CHECK CHARACTERISTICS														
24-10RY				117	113	118	120	52	41						
				Days to maturity				bu/acre	site years						

1 R2Y Indicates Genuity Roundup Ready 2 Yield Soybeans

2 Maturity Ratings for 2015 are average across Carman, Morris, St. Adolphe

3 Lodging ratings are average across Loams(Carman) Clays (St. Adolphe, Morris)

4 Iron Deficiency Chlorosis (IDC) Groupings; T=Tolerant, ST=Semi-Tolerant, S=Susceptible

5 Notes: Phytophthora Resistance genes, 1c, 1k, etc. , SCN=Soybean Cyst Nematode Resistance

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ROUNDUP READY SOYBEANS (continued)

		2015 Yield: % of 24-10RY									
		Early Sites		Core Sites			Late Sites				
		Beausejour	Stonewall	Carman	Morris	Portage	St. Adolphe	Morden	Rosebank		
Manitoba	Variety Zone	Variety									
Short Season Zone		P001T34R☼	51	75	74	74	76	67	—	—	
		P002T04R☼	66	89	82	85	72	75	—	—	
		NSC Moosomin RR2Y	81	84	80	89	85	81	—	—	
		22-60RY	78	86	88	80	77	84	—	—	
		S0009-M2	95	87	88	87	94	81	—	—	
		Pekko R2	101	88	91	87	80	81	—	—	
		Bishop R2	99	82	90	82	83	81	—	—	
		LS Northwester	70	82	84	79	85	83	—	—	
		NSC Reston RR2Y	83	97	94	90	89	88	—	—	
		23-11RY	86	93	87	91	83	88	—	—	
		Mahony R2	93	89	99	89	94	91	—	—	
		S007-Y4	92	98	90	90	96	97	—	—	
		Notus R2	115	101	87	91	94	84	—	—	
		23-60RY	97	88	95	95	96	90	—	—	
		McLeod R2	72	93	85	87	85	81	—	—	
		P006T78R☼	84	92	109	90	100	88	—	—	
		PS 0035 NR2	90	86	91	85	86	89	—	—	
		PS 0055 R2	92	91	90	93	100	89	—	—	
		NSC Anola RR2Y	76	82	84	95	84	87	—	—	
		TH 32004R2Y	81	91	97	92	83	89	—	—	
		LS 002R24N	85	99	92	90	93	90	—	—	
		TH 35002R2Y	87	91	95	94	86	96	—	—	
		NSC Gladstone RR2Y	77	88	87	90	94	94	—	—	
		Akras R2	98	95	100	94	101	93	—	—	
Experimental lines being tested/proposed for registration in Canada											
		NSC Watson RR2Y	84	91	90	84	94	80	—	—	
		PR1418113R2	89	80	87	87	92	86	—	—	
		AR1215503	102	93	92	88	93	81	—	—	
		AR1310870	—	—	94	82	91	85	89	91	
Mid Season Zone		24-11RY	109	88	98	87	99	90	—	—	
		S00-N6	—	—	96	98	111	88	88	91	
		TH 33005R2Y	—	—	78	95	90	98	98	87	
		LS 003R24N	—	—	94	87	83	84	85	85	
		Chadburn R2	84	91	88	98	95	83	—	—	
		Vito R2	85	84	88	87	94	84	—	—	
		Lono R2	90	93	98	88	98	96	—	—	
		900Y61☼	97	85	95	91	91	82	—	—	
		NSC Tilston RR2Y	86	90	100	89	99	95	—	—	
		TH 33003R2Y	94	97	103	88	98	97	—	—	
		P008T70R☼	94	86	74	90	93	84	—	—	
		TH 34006R2Y	—	—	100	94	106	90	89	95	
		Gray R2	93	101	89	93	101	92	—	—	
		24-10RY	100	100	100	100	100	100	100	100	
		HS 006RYS24	87	85	94	92	101	84	—	—	
		HS 007RY32	—	—	91	97	110	97	82	96	
		Hero R2	97	93	109	99	121	92	—	—	
		NSC Sanford R2Y	94	101	94	101	90	95	—	—	
		P008T22R2☼	99	90	101	94	101	86	—	—	
		LS Maidan	—	—	105	97	106	96	88	94	
		PRO 2525R2	93	98	106	92	111	87	—	—	
	Experimental lines being tested/proposed for registration in Canada										
			PR1313806R2	93	85	93	88	90	81	—	—
			AR1210501	—	—	114	97	113	102	108	123
		EXP 00816 R2	—	—	91	101	101	97	98	95	

		2015 Yield: % of 24-10RY							
		Early Sites		Core Sites				Late Sites	
Manitoba		Beausejour	Stonewall	Carman	Morris	Portage	St. Adolphe	Morden	Rosebank
Variety Zone	Variety								
Long Season	NSC Arnaud RR2Y	—	—	95	92	103	101	101	97
	NSC Richer RR2Y	—	—	102	91	108	92	97	92
	S00-T9	—	—	101	98	111	96	101	93
	LS 005R22	—	—	87	91	110	90	90	87
	PS 0074 R2	—	—	110	104	128	94	96	91
Zone	25-10RY	—	—	101	91	120	100	106	89
	Currie R2	—	—	97	94	100	96	83	94
	Podaga R2	—	—	89	91	111	89	86	90
	LS 005R24	—	—	102	93	123	101	104	93
	Astro R2	—	—	116	91	112	94	104	92
	LS 008R560	—	—	96	90	94	102	74	92
	PRO 2535R2	—	—	104	98	122	103	93	95
Experimental lines being tested/proposed for registration in Canada									
	LS Eclipse	—	—	111	105	120	96	89	94
	CFS13.3.01 R2	—	—	92	90	105	88	89	84
	TH 36007R2Y	—	—	94	95	108	88	88	92
Check Characteristics 24-10RY (bu/acre)		48	49	52	51	49	54	75	63
	CV%	14.0	4.9	7.5	3.6	8.2	4.4	9.8	7.5
	LSD%	23	8	12	6	13	7	12	16
	Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Seeding Date	01-Jun	27-May	27-May	25-May	02-Jun	22-May	25-May	25-May
	Harvest Date	29-Sep	29-Sep	29-Sep	23-Sep	21-Oct	29-Sep	30-Sep	22-Sep



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SUNFLOWERS - NON-OIL TYPE

Sunflower Comments:

These varieties were tested and data donated by the National Sunflower Association of Canada Inc.

Yield %Check, Days to Maturity, Height, Seed Sizing and Oil Content are based on long-term data indicated by 'site years'.

Disease Management:

All sunflowers currently available are susceptible to sclerotinia and all varieties presented in SEED MANITOBA 2016 have shown susceptibility to the sunflower rust strains present in Manitoba. Environmental conditions, presence of inoculum from previously infected crops will increase risk of disease development.

Rust and sclerotinia infection can reduce yield, test weight and can cause grading factor issues.

Genetic resistance to verticillium wilt is rated as moderately susceptible to moderately resistant for all sunflower varieties presented. Again, lengthened crop rotations between sunflower crops will reduce the inoculum in the soil and reduce potential for infection.

Variety Descriptions

Company	Hybrid	Genetic Traits ¹	Site Years	Yield % Check	Maturity (days to R9)	Height (inches)	Seed Sizing		
							>22/64 inch	>20/64 inch	>16/64inch
NuSeed America	6946 DMR	DM	15	100	0	0	39	30	30
NuSeed America	9180 DMR	ExSun/DM	10	104	3	4	64	28	17
NuSeed America	Jaguar	CL	9	95	3	0	60	21	12
NuSeed America	Jaguar DMR	CL/DM	9	108	0	5	64	21	10
NuSeed America	Panther DMR	DM	12	101	0	-2	62	21	12
CHS Sunflower	RH400 CL	CL	12	96	3	4	42	34	17
Experimental lines being tested/proposed for registration in Canada									
NSAC	2755	—	2	108	4	14	39	27	25
NSAC	9255	—	2	124	1	11	37	31	24
Dow Seed	E94305	—	3	111	3	7	78	10	8
CHS Sunflower	RH609CLP	CL	3	133	3	12	79	11	6
CHS Sunflower	RH1130EX	ExSun	6	111	7	7	84	9	4
CHS Sunflower	RH1133EX	ExSun	3	138	5	5	89	6	4
CHS Sunflower	15EXP02	ExSun	3	121	6	8	83	10	4
CHS Sunflower	15EXP03	ExSun	3	126	5	10	90	6	2
CHECK CHARACTERISTICS									
6496 DMR			15	3254	117	67			
			site years	lb/ac	days	inches			

1 Genetic traits include CL = Clearfield tolerance; ExSun = Express tolerance; DM = Downy Mildew Resistance.

Site Comparisons

Hybrid	Genetic Traits	Elm Creek		Holland*		Melita*		Test Wt (lb/bu A)
		Yield (lb/ac)	Maturity (days)	Yield (lb/ac)	Maturity (days)	Yield (lb/ac)	Maturity (days)	
6946 DMR	DM	2217	100	2950	114	2507	117	26.1
9180 DMR	ExSun/DM	3499	108	3318	119	2814	117	24.7
Jaguar DMR	CL/DM	3350	102	3607	116	2716	114	25.1
Panther DMR	DM	3469	100	3666	114	3410	110	27.2
Experimental lines being tested/proposed for registration in Canada								
2755	—	2821	112	2775	118	—	—	—
9255	—	3130	102	3280	116	—	—	—
E94305	—	3052	100	3120	119	2347	120	24.0
RH609CLP	CL	2975	105	4141	119	3113	115	24.3
RH1130EX	ExSun	3763	105	3415	122	3003	123	23.0
RH1133EX	ExSun	3620	105	3582	118	3421	123	20.6
15EXP02	ExSun	3384	105	3203	122	2732	123	23.2
15EXP03	ExSun	3255	105	3366	122	3038	118	23.0
Site Average		3211	104	3369	119	2910	118	23.3
CV%		10.5		12.0		13.7		
Sign Diff		Yes		Yes		No		
LSD (0.05)		578		683		—		
Planting Date		11-May		12-May		01-Jun		
Harvest Date		28-Sep		22-Sep		19-Oct		

* Site was desiccated at R9

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SUNFLOWERS - OIL TYPE

Variety Descriptions

Company	Variety	Genetic Traits ¹	Site Years	YIELD % Check	Maturity (days to R9)	Height (inches)	% Oil	Oil Type
Dow Seed	8N270	CL / DM	3	88	-4	-8	1.7	NS
Syngenta Canada	3495 NS/CL/DM	CL / DM	7	101	1	-2	-2.0	NS
Pioneer Hi-Bred	63N82	ExSun	4	87	4	-2	0.6	NS
NuSeed America	Cobalt II	CL / DM	10	90	2	-4	-1.4	HO
NuSeed America	Defender Plus	DM	5	88	-3	-7	-2.7	NS
NuSeed America	Falcon EX	ExSun	9	92	2	-6	-0.1	NS
NuSeed America	Talon	ExSun	7	95	-1	-5	-3.4	NS
Pioneer Hi-Bred	P63ME70	ExSun / DM	12	100	0	0	0.0	NS
Pioneer Hi-Bred	P63ME80	ExSun / DM	12	97	3	1	0.1	NS
Experimental lines being tested/proposed for registration in Canada								
Dow Seed	E84131	CL / DM	3	96	-4	-8	1.6	HO
NuSeed America	NLK12S069	ExSun	4	101	0	1	-6.3	NS
NRS-USDA	Honeycomb NS	—	3	86	-16	-12	-5.0	NS
NRS-USDA	Honeycomb HO	—	3	86	-3	-7	-3.5	HO
NRS-USDA	Wishbone	—	3	72	0	6	-4.5	NS
CHECK CHARACTERISTICS								
P63ME70			12 site years	3535 lb/ac	122 days	71 inches	42.7 %	

1 Genetic traits include CL = Clearfield tolerance; ExSun = Express tolerance; DM = Downy Mildew Resistance.

Site Comparisons

Hybrid	Genetic Traits	Elm Creek			Holland*			Melita*		
		Yield (lb/ac)	Maturity	%Oil	Yield (lb/ac)	Maturity	%Oil	Yield (lb/ac)	Maturity	%Oil
8N270	CL / DM	2331	107	44.0	2729	114	41.9	2936	111	46.3
Cobalt II	CL / DM	2403	112	39.9	3310	112	41.4	2431	117	43.4
Talon	ExSun	1998	107	36.4	2930	115	39.1	3463	115	42.8
P63ME70	ExSun / DM	3108	112	40.4	3005	116	42.2	3020	115	47.2
P63ME80	ExSun / DM	3072	112	42.3	3032	117	43.8	3102	117	47.0
Experimental lines being tested/proposed for registration in Canada										
E84131	CL / DM	2576	107	42.6	3216	114	43.2	3019	109	46.8
Honeycomb NS	—	2171	92	34.8	2215	97	37.8	3245	104	45.3
Honeycomb HO	—	1984	107	36.1	2856	114	39.6	2785	114	42.7
Wishbone	CL / DM	1487	109	35.6	2692	117	38.1	2439	116	41.0
Site Average		2347	107	39.1	2909	113	40.8	2905	113	
CV%		11.9			7.3			13.1		
Sign Diff		Yes			Yes			Yes		
LSD (0.05)		485			368			658		
Planting Date		11-May			12-May			01-Jun		
Harvest Date		28-Sep			22-Sep			19-Oct		

* Site was desiccated at R9

Distributor Contacts for Varieties in Seed Manitoba 2016

Look up variety within the correct CROP KIND to find the company, then look for company phone number in the box at bottom of section.

CANOLA

- see Canola table to determine which companies market specific varieties -

FLAX

AAC Bravo	FP Genetics
AC Emerson	SeCan
CDC Bethune	SeCan
CDC Glas	SeCan
CDC Neela	CANTERRA SEEDS
CDC Plava	SeCan
CDC Sanctuary	SeCan
CDC Sorrel	SeCan
Hanley	SeCan
Lightning	CANTERRA SEEDS
NuLin VT 50	Crop Production Services (CPS)
Prairie Blue	SeCan
Prairie Grande	SeCan
Prairie Sapphire	Alliance Seed
Prairie Thunder	CANTERRA SEEDS
Taurus	FP Genetics
Vimy	SeCan
WestLin 70	Crop Production Services (CPS)
WestLin 71	Crop Production Services (CPS)
WestLin 72	Crop Production Services (CPS)

MUSTARD

Sinapis alba	
AC Base	Trade
Andante	Trade
Brassica juncea	
AC Vulcan	Trade
Amigo	Trade
Cutlass	Trade
Duchess	Crop Production Services (CPS)
Forge	Crop Production Services (CPS)

CONVENTIONAL SOYBEANS

OAC PRUDENCE	SeCan
AAC EDWARD	SeCan
AAC Morden	SeCan

ROUNDUP READY SOYBEANS

Akras R2	Brett Young
Podaga R2	Brett Young
Lono R2	Brett Young
Notus R2	Brett Young
Pekko R2	Brett Young
Sampsa R2	Brett Young
23-10RY	DEKALB
23-11RY	DEKALB
22-60RY	DEKALB
23-60RY	DEKALB
24-10RY	DEKALB
24-11RY	DEKALB
24-61RY	DEKALB
25-10RY	DEKALB
LS 002R23	Delmar Commodities
LS 002R24N	Delmar Commodities
LS 003R24N	Delmar Commodities
LS 005R22	Delmar Commodities
LS 005R24	Delmar Commodities
LS 008R560	Delmar Commodities
LS Northwester	Delmar Commodities
LS Maidan	Delmar Commodities
900Y61	DuPont Pioneer
900Y71	DuPont Pioneer
P001T34R	DuPont Pioneer
P002T04R	DuPont Pioneer
P006T78R	DuPont Pioneer
P008T22R2	DuPont Pioneer
P008T70R	DuPont Pioneer

ROUNDUP READY SOYBEANS

HS 006RYS24	Hyland Seeds
HS 007RY32	Hyland Seeds
NSC Anola RR2Y	North Star Genetics Manitoba
NSC Arnaud RR2Y	North Star Genetics Manitoba
NSC Gladstone RR2Y	North Star Genetics Manitoba
NSC Libau RR2Y	North Star Genetics Manitoba
NSC Moosomin RR2Y	North Star Genetics Manitoba
NSC Niverville RR2Y	North Star Genetics Manitoba
NSC Reston RR2Y	North Star Genetics Manitoba
NSC Richer RR2Y	North Star Genetics Manitoba
NSC Sanford R2Y	North Star Genetics Manitoba
NSC Tilston RR2Y	North Star Genetics Manitoba
Vito R2	North Star Genetics Manitoba
PS 0055 R2	PRIDE Seeds
PS 0035 NR2	PRIDE Seeds
PS 0074 R2	PRIDE Seeds
PS 0083 R2	PRIDE Seeds
Astro R2	Quarry Seeds Ltd.
TH 33003 R2Y	Quarry Seeds Ltd.
TH 33004R2Y	Quarry Seeds Ltd.
TH 33005R2Y	Quarry Seeds Ltd.
TH 34006R2Y	Quarry Seeds Ltd.
TH 35002R2Y	Quarry Seeds Ltd.
Bishop R2	SeCan
Chadburn R2	SeCan
Currie R2	SeCan
Gray R2	SeCan
Hero R2	SeCan
Mahony R2	SeCan
McLeod R2	SeCan
PRO 2525R2	Sevita International
PRO 2535R2	Sevita International
S007-Y4	Syngenta Canada
S0009-M2	Syngenta Canada
S00-N6	Syngenta Canada
S00-T9	Syngenta Canada

SUNFLOWERS

- see Sunflower table to determine which companies market specific varieties -

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Alliance Seed	1-877-270-2890
Bayer CropScience	1-888-283-6847
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CHS Sunflower	1-701-484-5313
DEKALB	1-800-667-4944
Delmar Commodities	1-888-974-7246
FP Genetics	1-877-791-1045
Dow Seeds	1-800-265-7403
LA COOP FEDEREE	1-450-799-2326
North Star Genetics Manitoba	1-701-454-6427
DuPont Pioneer	1-800-265-9435
PRIDE Seeds	1-800-265-5280
CPS Canada Inc.	1-306-569-5027
Quarry Seeds Ltd.	1-888-274-9243
SeCan	1-800-665-7333
Nuseed Americas Inc	877-841-7447
Sevita International	1-613-989-5400
Syngenta Canada Inc.	1-877-964-3682

Growers List



CANOLA

S=Select; F=Foundation; R=Registered; C=Certified; ⌘ Indicates Plant Breeders Rights (PBR) protection under UPOV 1978 and ⌘ protected or pending under UPOV 1991; "*" listed varieties are eligible for seed class, but undergoing post-harvest seed testing for Additional Certification Requirements, at time of publication.

1918 ⌘

Winnipeg; Canterra Seeds Ltd.	204-988-9750	F	C
Winnipeg; Canterra Seeds Ltd.	204-988-9750	F	

FLAX

AAC BRAVO ⌘

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	R	
Hamiota; Knight, Ronald M. & Jeff	204-764-2450	C	
Somerset; Sierens, Joseph & Chris	204-744-2883	R	
Souris; Kohut, Anton	204-483-2004	C	

AC NUGGET ⌘

Oak Bank; Kyle, Lorne C. & C. Angus	204-362-0513	S	
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CDC BETHUNE ⌘

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C	*
Crystal City; Buchanan, Kenneth S. & Dean K.	204-873-2661	C	*
Notre Dame; Durand, Gabriel A. & Marc	204-248-2268	R	
Oak Lake; Smith, Gerald R. & Leigh E.	204-855-3128	C	
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	R	*
Reston; Greig, Fred L. & Fotheringham, John A. (Jack) ..	204-877-3813	R	*
Souris; Kohut, Anton	204-483-2004	C	*

CDC GLAS ⌘

Carman; Menold, Thomas	204-745-3377	R	*
Crandall; Doupe, Neil D.	204-562-3632	R	*
Crystal City; Buchanan, Kenneth S. & Dean K.	204-873-2661	R	*
Elphinstone; Gerrard, Jody	204-759-2213	C	*
Fannystelle; Nadeau, Brian	204-436-2469	R	*
Holland; Marginet, Reginald	204-526-2544	R	*
Kenton; Stevenson, Richard D.O. & Douglas	204-838-2696	C	*
Miami; Elias, Isaac	204-745-3301	R	*
Miniota; Walker, Alan Glen	204-567-3647	C	*
Notre Dame; Durand, Gabriel A. & Marc	204-248-2268	R	
Winnipeg; James, David G.	204-222-8785	C	*

CDC NEELA ⌘

Reston; Greig, Fred L. & Fotheringham, John A. (Jack) .	204-877-3813	F	
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FLAX

S=Select; F=Foundation; R=Registered; C=Certified; ⌘ Indicates Plant Breeders Rights (PBR) protection under UPOV 1978 and ⌘ protected or pending under UPOV 1991; "*" listed varieties are eligible for seed class, but undergoing post-harvest seed testing for Additional Certification Requirements, at time of publication.

CDC SORREL ⌘

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	R	*
Carman; Menold, Thomas	204-745-3377	C	*
Decker; Murray, Donald H. & Ryan	204-764-2733	C	*
Foxwarren; Graham, George Arthur	204-683-2367	R	*
Portage; Pugh, William G. & B.M.	204-274-2179	C	*
Rosburn; Mitchell, John	204-859-2431	R	C
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	S	F

HANLEY ⌘

Sanford; Bergen, Edward Harry & Tim	204-736-2278	S	C
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LIGHTNING ⌘

Glenboro; Jefferies, Ron	204-827-2102	C	
Holland; Patenaude, Donald & Robert	204-526-2391	C	
Holland; Zeghers, Shawn M.	204-526-2366	C	
Somerset; Sierens, Joseph & Chris	204-744-2883	F	C
Wawanesa; Ellis, Warren P. & Simon	204-824-2290	C	

PRAIRIE SAPPHIRE ⌘

Crandall; Doupe, Neil D.	204-562-3632	R	
Roblin; Mann, Ryan L.C.	204-937-2154	R	

WESTLIN 70

Virden; Heaman, Douglas J., Walter, Robert, Kenneth, Brett & Brittany	204-748-2666	C	
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SOYBEANS

23-10RY

Oakville; Murray, Corey D.	204-267-2854	F	
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23-60RY

Gretna; Dyck, Menno & Ryan	204-327-5501	R	
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24-11RY

Gretna; Dyck, Menno & Ryan	204-327-5501	R	
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AAC EDWARD

Carman; Menold, Ulrich & Lucas	204-745-2822	S	F
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AAC MANDOR

Winkler; Delmar Commodity Ltd.		F	
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AKRAS R2

Altona; Sawatzky, John	204-324-4018	R	
Carman; Park, Robert J.	204-745-3304	R	
Dufrost; Catellier, Roger & Richard	204-347-5588	R	
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	R	
St. Norbert; Brett-Young Seeds Limited	204-261-7932	S	F

ASTRO R2

Morris; Dueck, Arthur	204-746-2026	C	
Stonewall; Quarry Grain Commodities Inc.	204-467-8877	R	C

BISHOP R2

Arborg; Timchishen, Donald Victor & Darcy	204-376-5116	F	C
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CHADBURN R2

Morris; Hamblin, Donald & Bradley	204-209-0506	F	
Whittemouth; Klepatz, Wayne	204-348-2294	R	

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