

This publication features the results from MPGA sponsored trials.

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## NOTES FOR ALL SOYBEAN TABLES

**PLEASE NOTE: Experimental lines that are being tested in Manitoba – Due to recent changes to the requirements for registration for soybeans, lines which are not registered will be listed under this category.**

### MATURITY NOTES – always use more than one criteria to evaluate maturity

- Soybean varieties have been organized into three 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 between the short- and long-season area.
- Company Crop Heat Unit (CHU) ratings are assigned to assist growers to 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 one criteria for judging maturity. Experimental lines are not assigned a CHU rating until they become registered.
- 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. For future years, maturity grouping will be used instead of CHU ranking.
- 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 box at the bottom of the table.

### GENERAL NOTES

- Roundup Ready, Conventional soybean varieties are evaluated separately from Roundup Ready type varieties, meaning direct comparison of varieties between different tables is not possible. All trials are solid seeded at 210,000 seeds/acre.
- Hilum colour can range from Yellow (Y), ImperfectYellow (IY), Grey (G), Brown (BR), Buff (BF), Tan(TN) or Black (BL) and is solely a marketing issue. The hilum is the point on the soybean seed where it attaches to the pod.
- 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.
- Lodging is rated at harvest; 1=standing upright, 5=flat along the ground. A rating of 3 or more can promote white mould within the crop canopy.
- 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 four sites prone to iron chlorosis over the last two years. IDC tolerant varieties are varieties with lower IDC scores and perform better on soils prone to iron deficiency chlorosis.
- 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.

## NATTO SOYBEANS – REPRINT FROM 2012

OAC Prudence is **not a natto type soybean**; it is used as a check to determine the yield potential of natto type soybeans compared to conventional soybeans.

### VARIETY DESCRIPTIONS

Manitoba Variety Zone	Company Heat Unit	Variety	Relative Days to Maturity + / - of Check				Yield % Check	Site Years Tested	Lodging*	Seeds/lb	IDC Rating (1-5)	2012 Yield: % of OAC Prudence										
			Average	2012	2011	2010						Carman	St. Adolphe	Morris	Rosebank	Morden						
Short Season	2375	AG QGC 12N	-8	-	-7	-9	77	40	2.8	5200	2.3	-	-	-	-	-						
Mid Season	2475	OAC Prudence	0	0	0	0	100	49	1.7	2300	1.6	100	100	100	100	100						
<b>Experimental lines that have been supported for registration in Canada</b>																						
		Colibri	3	-	3	-	81	22	1.2	7350	-	-	-	-	-	-						
		OT 08-05	2	1	1	3	91	20	2.3	4300	-	106	104	92	86	89						
<b>CHECK CHARACTERISTICS</b>											OAC Prudence (bu/acre)	48.17	35.74	38.4	74.6	73.9						
OAC Prudence											115	114	106	125	49	49	CV%	3.9	4.8	6.1	6.5	6.9
											days to maturity	bu/acre	site years	LSD%	7.7	9.04	10.4	10.2	12.2			
												Sign Diff	Yes	Yes	Yes	Yes	Yes					

\*Lodging ratings (1-5) were averaged across Morris, St. Adolphe and Carman sites.

**Seeding Date** 14-May 09-May 12-May 17-May 16-May  
**Harvest Date** 24-Sep 18-Sep 24-Sep 27-Sep 19-Sep

## CONVENTIONAL SOYBEANS

Manitoba Variety Zone	Company Heat Unit	Variety	Relative Days to Maturity <sup>1</sup> + / - of Check				Yield % Check	Site Years Tested	Colour	Relative Seeds/lb	Lodging <sup>2</sup>	
			Average	2014	2013	2012					Clay	Loam
				2400	AAC Edward (OT11-01 )	-4					-4	-2
Short Season Zone	<b>Experimental lines that are being tested in Manitoba</b>											
		EXP 700	-6	-6	-	-	77	6	Y	2900	1.0	1.0
		OT13-07	-3	-3	-	-	99	6	Y	2340	1.0	1.0
		OT13-05	-2	-2	-	-	91	6	Y	2930	1.0	1.0
Mid- Long Season Zone	2450	OAC Prudence	0	0	0	0	100	95	Y	2655	1.0	1.0
	2400	AAC Mandor	3	4	3	1	108	26	Y	2467	1.0	1.0
	<b>Experimental lines that are being tested in Manitoba</b>											
		OT13-08	3	3	-	-	104	6	IY	2690	1.0	1.0
		SeCan 11-05C	3	5	5	0	106	20	Y	3128	1.0	1.0
		OT11-03	5	5	5	5	107	14	Y	2455	1.0	1.0
		OAC 11-02C	6	8	6	4	110	8	Y	2400	1.0	1.0
	JARI	8	8	-	-	108	6	IY	2481	1.0	1.0	
	OT13-04	9	9	-	-	107	6	Y	2750	1.0	1.0	
<b>CHECK CHARACTERISTICS</b>			114	115	114	114	49	95				
OAC Prudence			days to maturity				bu/acre	site years				

<sup>1</sup> Maturity ratings for 2014 are averaged across Carman, Morris, St. Adolphe

<sup>2</sup> Lodging ratings are averaged across loam (Carman) and clay (St. Adolphe, Morris) soil.

## YIELD BY LOCATION – CONVENTIONAL SOYBEANS

Manitoba Variety Zone	Variety	2014 Average Yield	Site Years Tested	2014 Yield: % of OAC Prudence							
				Early Sites		Core Sites				Late Sites	
				Arborg	Stonewall	Carman	Morris	Portage	St. Adolphe	Rosebank	Morden
Short Season Zone	AAC Edward OT11-01	95	6	82	96	98	92	107	98	-	-
	<b>Experimental lines that are being tested in Manitoba</b>										
	EXP 700	77	6	75	66	59	85	89	86	-	-
	OT13-07	99	6	86	104	103	95	106	108	-	-
	OT13-05	91	6	88	101	84	100	86	88	-	-
Mid- Long Season Zone	OAC Prudence	100	8	100	100	100	100	100	100	100	100
	AAC Mandor	113	6	103	132	116	116	105	116	-	-
	<b>Experimental lines that are being tested in Manitoba</b>										
	OT13-08	104	6	-	-	109	97	102	110	100	106
	SeCan 11-05C	102	6	88	117	118	96	91	110	-	-
	OT11-03	96	6	-	-	90	107	79	86	103	107
	OT11-02C	96	6	-	-	105	114	71	94	95	97
JARI	108	6	107	122	134	104	77	108	-	-	
	OT13-04	107	6	-	-	109	105	94	118	100	117
<b>CHECK CHARACTERISTICS</b>		OAC Prudence (bu/acre)		57	29	43	46	43	45	49	48
		CV%		13.3	7.1	8.4	4.6	7.6	4.7	4.7	5.1
		LSD%		23	13	14	8	13	8	9	10
		Sign Diff		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		<b>Seeding Date</b>	23-May	23-May	22-May	24-May	04-Jun	29-May	27-May	23-May	
		<b>Harvest Date</b>	15-Oct	10-Oct	02-Oct	07-Oct	17-Oct	08-Oct	15-Oct	01-Oct	

# WESTERN MANITOBA SOYBEAN ADAPTATION TRIAL

In 2014, trials were located at Boissevain, Carberry, Hamiota, and Roblin.

## VARIETY DESCRIPTIONS

Variety	Maturity Grouping	Company Heat Unit	Yield % Check	Site Years Tested	Relative Days to Maturity <sup>1</sup> + / - of Check			2014 Yield % of 23-10RY			
					Average	2014	2013	Boissevain	Hamiota	Roblin	Carberry
P001T34R ☼	000	2300	77	8	-7	-6	-7	72	68	77	73
P002T04R ☼	00.2	2325	99	4	-3	-3	-	94	105	117	87
NSC Moosomin RR2Y	000	2300	95	8	-3	-3	-2	83	101	99	86
TH 33003R2Y	00.3	2400	105	9	0	3	-2	105	117	87	108
NSC Anola RR2Y	00.2	2350	110	8	0	3	-2	114	125	92	113
23-10RY	00.1	2325	100	15	0	0	0	100	100	100	100
NSC Reston RR2Y	00.1	2325	99	9	2	2	2	100	97	92	106
LS002R24N	00.2	2375	109	8	1	2	0	110	105	97	109
TH 32004R2Y	00.4	2425	113	14	2	3	1	112	122	89	113
NSC Gladstone RR2Y	00.4	2375	107	8	2	4	0	109	104	88	105
900Y61	00.6	2425	100	14	3	3	2	100	112	79	102
LS 002R23	00.2	2375	105	9	2	4	1	97	108	87	104
23-60RY	00.3	2375	107	8	1	-2	5	113	110	96	110
PS 0035 NR2	00.3	2375	106	8	2	3	1	114	111	91	107
McLeod R2	00.3	2375	108	9	2	4	0	113	99	91	111
NSC Tilston RR2Y	00.4	2375	107	9	3	5	0	103	112	101	100
Pekko R2	00.3	2325	98	14	3	5	1	89	118	105	113
Bishop R2	00.2	2350	99	9	2	3	0	83	101	122	101
S007-Y4	00.7	2350	117	4	4	4	-	113	122	118	116
900Y71	00.7	2450	102	14	3	5	1	108	116	80	101
Akras R2	00.9	2375	111	4	5	5	-	102	122	99	122
Notus R2	00.6	2300	94	4	4	4	-	95	93	81	103
Vito R2	00.3	2350	95	9	4	6	2	82	97	74	103
LS 003R24N	00.3	2350	101	4	5	5	-	106	96	97	102
TH 33005R2Y	00.5	2450	108	8	5	7	3	99	111	65	121
Hero R2	00.4	2375	103	4	6	6	-	108	119	76	105
Sampsa R2	00.8	2425	100	14	6	7	5	113	122	98	108
TH 35002R2Y	00.2	2375	84	4	5	5	-	79	102	47	104
HS 006RYS24	00.6	2450	100	10	6	6	-	100	105	90	103
HS 007RY32	00.7	2500	106	5	6	6	-	127	124	81	113
24-10RY	00.5	2425	102	10	7	7	-	109	112	85	124

### Experimental lines that are being tested in Manitoba

MKZ613A3		100	4	3	5	-		100	114	70	111
MK913A4		99	4	1	1	-		88	104	91	114
CFS13.2.01 R2		110	4	7	7	-		93	116	113	122
LS NorthWester		108	4	1	1	-		106	110	98	115
SC 2350R2		115	4	5	5	-		118	113	104	120

### CHECK CHARACTERISTICS

23-10RY		51	15	131	127	135	23-10RY (bu/acre)	66	46	49	65
		bu/acre	site years	days to maturity			CV%	5.6	6.7	10.4	7.0
							LSD%	9	11	18	10
							Sig Diff	Yes	Yes	Yes	Yes

**Seeding Date** 21-May 17-May 27-May 26-May

**Harvest Date** 17-Oct 14-Oct 14-Oct 09-Oct

<sup>1</sup>Maturity based on data from Boissevain, Hamiota and Roblin.

## ROUNDUP READY SOYBEANS

### New varieties for 2015

Variety	Previous Code	Distributor	Seed Availability	Variety	Previous Code	Distributor	Seed Availability
23-60RY	FLZ612A4	DEKALB	2014	P008T22R2 ☼	PH13001	DuPont Pioneer	2014
Akras R2	CFS12.3.02 R2	Brett Young	2015	P008T70R ☼	PH13003	DuPont Pioneer	2014
Hero R2	SC2380 R2	Secan	2014	PRO 2525R2	PRO 2525R2	Sevita International	2014
LS002R24N	LS002R24N	Delmar Commodities	2014	PRO 2535R2	PRO 2535R2	Sevita International	2014
LS005R24	LS005R24	Delmar Commodities	2014	PS 0035 NR2	EXP00313R2	PRIDE Seeds	2014
Notus R2	AURA R2	Brett Young	2015	S00-N6	S00-N6	Syngenta Canada	2014
NSC Gladstone RR2Y	NSC Gladstone RR2Y	Northstar Genetics Manitoba	2014	TH 33005R2Y	TH 33005R2Y	Quarry Seed Ltd	2014
NSC Sanford R2Y	009G12A1	Northstar Genetics Manitoba	2014	TH 34006R2Y	TH 34006R2Y	Quarry Seed Ltd	2014
P002T04R ☼	P002T04R	DuPont Pioneer	2014	TH 35002R2Y	TH 35002R2Y	Quarry Seed Ltd	2014

variety descriptions follow next page

# ROUNDUP READY SOYBEANS – VARIETY DESCRIPTIONS

Manitoba Variety Zone	Company Heat Unit	Maturity Grouping	Variety	1Type	Relative Days to Maturity <sup>2</sup> + / - of Check				Yield % Check	Site Years Tested	Hilum Colour	Relative Seeds/ lb	Lodging <sup>3</sup>		IDC <sup>4</sup>			Notes <sup>5</sup>
					Average	2014	2013	2012					Clay	Loam	Rating (1–5)	Grouping		
Short Season Zone	2300	000	P001T34R ☼	RR1	-10	-11	-12	-8	68	18	BR	3138	1.0	1.0	2.1	ST	-	
	2300	000	NSC Moosomin RR2Y	R2Y	-7	-6	-8	-	82	13	BR	3200	1.0	1.0	2.3	ST	-	
	2325	00.2	P002T04R ☼	RR1	-7	-7	-	-	76	7	TN	3059	1.0	1.0	2.4	S	1k	
	2325	00.1	23-10RY	R2Y	-5	-6	-4	-4	95	25	BL	2313	1.0	1.0	1.8	ST	1c	
	2325	00.3	Pekko R2	R2Y	-4	-3	-5	-5	96	23	BL	2402	1.0	1.0	1.8	ST	-	
	2325	00.1	NSC Reston RR2Y	R2Y	-4	-4	-5	-4	96	19	BL	3369	1.0	1.0	2.7	S	1k	
	2350	00.2	Bishop R2	R2Y	-4	-4	-4	-3	93	24	IY	2614	1.0	1.0	2.4	S	-	
	2350	00.7	S007-Y4	R2Y	-4	-3	-4	-	108	13	IY	2841	1.0	1.0	1.8	ST	1c	
	2375	00.3	23-60RY	R2Y	-3	-3	-3	-	103	13	BL	2440	1.0	1.0	1.7	T	-	
	2375	00.3	PS 0035 NR2	R2Y	-3	-2	-3	-	102	13	BL	2550	1.0	1.0	1.8	ST	SCN	
	2425	00.4	TH 32004R2Y	R2Y	-2	-1	-4	-1	104	25	BL	3200	1.0	1.0	1.8	ST	1c	
	2375	00.2	LS 002R24N	R2Y	-2	-2	-2	-	104	13	BL	2796	1.0	1.0	1.8	ST	SCN	
	2350	00.2	NSC Anola RR2Y	R2Y	-2	0	-4	-1	102	23	BL	2720	1.0	1.0	1.8	ST	1c	
	2375	00.2	LS 002R23	R2Y	-2	-2	-2	-1	97	19	BL	2796	1.0	1.3	1.8	ST	-	
	2375	00.2	TH 35002R2Y	R2Y	-2	-2	-	-	92	7	BL	2970	1.0	1.0	1.6	T	-	
	<b>Experimental lines that are being tested in Manitoba</b>																	
				MKZ913A4	R2Y	-5	-5	-	-	95	7	BL	2536	1.0	1.0	1.9	ST	-
				MKZ613A3	R2Y	-4	-4	-	-	97	7	BL	2751	1.0	1.0	1.7	T	-
				PH 14001	RR1	-3	-3	-	-	85	7	BL	2562	1.0	1.0	NT	NT	1c
				LS Northwester	R2Y	-3	-3	-	-	93	7	BL	2450	1.0	1.3	1.9	ST	-
			SC2350	R2Y	-3	-3	-	-	109	7	BL	2110	1.0	1.0	2.6	S	-	
			PH 14003	RR1	-3	-3	-	-	83	7	BR	3433	1.0	1.0	NT	NT	1c	
Mid Season Zone	2375	00.3	McLeod R2	R2Y	-1	-2	-2	0	102	19	BL	2268	1.0	1.0	1.6	T	-	
	2400	00.6	S00-N6	R2Y	-1	-2	0	-	101	13	BL	2507	1.0	1.0	2.2	ST	-	
	2375	00.4	NSC Gladstone RR2Y	R2Y	-1	-1	-1	-	100	13	BL	2570	1.0	1.3	2.0	ST	-	
	2300	00.6	Notus R2	R2Y	-1	-1	-	-	93	7	BL	2122	1.0	1.0	1.6	T	-	
	2350	00.3	Vito R2	R2Y	-1	0	-1	-1	96	23	GR	3366	1.0	1.0	1.9	ST	1k	
	2375	00.9	Akras R2	R2Y	-1	0	-2	0	104	18	BL	2183	1.0	1.0	1.6	T	-	
	2375	00.4	NSC Libau RR2Y	R2Y	-1	-1	0	-1	99	25	BL	2886	1.0	1.0	1.8	ST	1c	
	2350	00.3	LS 003R24N	R2Y	-1	-1	0	-	101	7	BL	2583	1.0	1.0	1.7	T	-	
	2475	00.6	Chadburn R2	R2Y	0	1	-1	-1	100	26	BL	2612	1.0	1.0	1.5	T	-	
	2400	00.3	TH 33003 R2Y	R2Y	0	1	-2	0	100	22	BR	3000	1.0	1.0	2.1	ST	1c	
	2375	00.4	NSC Tilston RR2Y	R2Y	0	0	-1	1	100	23	BL	2810	1.0	1.0	1.8	ST	-	
	2400	00.4	004R21	R2Y	0	0	0	0	100	31	BL	2938	1.0	1.0	1.5	T	1a	
	2450	00.5	TH 33005R2Y	R2Y	0	2	-2	1	112	19	BL	2800	1.0	1.0	1.8	ST	1c,1k	
	2425	00.8	Sampsa R2	R2Y	0	0	0	1	105	21	BL	2270	1.0	1.0	2.0	ST	1c	
	2475	00.6	TH 34006R2Y	R2Y	1	1	0	-	107	12	IB	2500	1.0	1.0	2.0	ST	-	
	2425	00.5	24-10RY	R2Y	1	2	0	0	105	31	BL	2948	1.0	1.0	1.9	ST	1k	
	2450	00.5	Gray R2	R2Y	1	1	0	1	100	19	BL	2662	1.0	1.0	1.9	ST	1c	
	2450	00.5	PRO 2525R2	R2Y	1	1	-	-	114	7	BL	2101	1.0	1.2	1.7	T	1c	
	2425	00.6	900Y61 ☼	RR1	1	2	-1	2	94	25	BR	2468	1.0	1.0	1.5	T	1c	
	2450	00.6	HS 006RYS24	R2Y	1	1	1	1	101	24	BL	2900	1.0	1.0	1.6	T	SCN	
2475	00.8	P008T70R ☼	RR1	1	1	1	-	110	13	BR	2396	1.0	1.0	1.8	ST	1k		
2425	00.5	NSC Sanford R2Y	R2Y	1	2	0	-	105	13	GR	2650	1.0	1.7	2.0	ST	-		
2450	00.7	900Y71 ☼	RR1	1	2	1	1	97	25	TN	2502	1.0	1.0	1.7	T	1c		
2375	00.4	Hero R2	R2Y	2	2	1	-	100	13	BL	2075	1.0	1.5	2.2	ST	1c		
<b>Experimental lines that are being tested in Manitoba</b>																		
			EXP 00813BNR2	R2Y	-1	-1	-	-	107	6	IY	2700	1.0	1.0	1.7	T	-	
			PH 14002	RR1	-1	-	-	-	94	7	BR	2799	1.0		NT	NT	1c	
			FLZ612A3	R2Y	0	0	-	-	99	7	BL	2404	1.0	1.0	1.6	T	-	
			CFS13.2.01 R2	R2Y	0	2	-1	-	107	13	Y	2508	1.0	1.0	1.9	ST	-	
Long Season Zone	2500	00.7	HS 007RY32	R2Y	1	0	2	2	114	12	BL	2950	1.0	1.0	1.8	ST	1c,1k	
	2475	00.8	P008T22R2 ☼	R2Y	2	2	2	-	104	13	TN	2329	1.0	1.0	1.5	T	1c	
	2475	00.7	24-61RY	R2Y	3	2	3	-	105	12	BL	2751	1.0	1.0	1.6	T	1c	
	2500	00.8	PS 0074 R2	R2Y	3	4	1	3	113	17	BR	2900	1.0	2.0	1.6	T	-	
	2475	00.7	NSC Richer RR2Y	R2Y	3	3	2	3	110	22	BL	3390	1.0	1.3	1.5	T	1c	
	2475	00.5	LS 005R22	R2Y	3	2	3	3	104	17	BL	2344	1.0	1.0	1.8	ST	-	
	2450	00.6	NSC Niverville RR2Y	R2Y	3	4	2	2	112	17	BL	3690	1.0	1.2	1.6	T	SCN,1c	
	2500	00.7	LS 007R22	R2Y	3	3	2	4	110	17	BL	2725	1.0	1.8	2.0	ST	-	
	2500	00.9	S00-T9	R2Y	3	4	1	4	114	17	BL	2302	1.0	1.0	1.6	T	1k	
	2475	00.5	LS 005R24	R2Y	3	2	4	-	110	12	BL	2755	1.0	1.8	1.7	ST	-	
	2475	00.8	PS 0083 R2	R2Y	3	3	3	3	97	22	BL	2600	1.0	1.0	2.5	S	-	
	2500	00.8	Currie R2	R2Y	4	4	5	3	109	23	BL	2594	1.0	1.0	1.8	ST	1k	
	2475	00.9	25-10RY	R2Y	4	4	4	5	110	20	BL	2630	1.0	1.3	1.9	ST	1c	
	2525	00.7	Astro R2	R2Y	6	6	6	5	115	20	BL	2800	1.0	1.7	1.8	ST	1k	
	2575	00.9	PRO 2535R2	R2Y	7	7	-	-	117	6	BL	2402	1.0	2.0	1.6	T	1k	
<b>Experimental lines that are being tested in Manitoba</b>																		
			NSC Arnaud RR2Y	R2Y	2	2	-	-	114	6	BL	2720	1.0	1.7	2.0	ST	-	
			CFS12.5.01 R2	R2Y	4	4	-	-	109	6	BL	2281	1.0	1.2	2.0	ST	-	
			NSC EXP 1319 R2	R2Y	4	4	-	-	108	6	BL	2440	1.0	1.3	3.2	S	-	
			CFS13.3.01 R2	R2Y	5	5	-	-	116	6	BL	2259	1.0	1.0	NT	NT	-	

### CHECK CHARACTERISTICS

004R21	117	117	120	115	50	31
	days to maturity			bu/acre		site years

<sup>1</sup>R2Y Indicates Genuity Roundup Ready 2 Yield™ Soybeans

<sup>2</sup>Maturity Ratings for 2014 are averaged across Carman, Morris, St. Adolphe

<sup>3</sup>Lodging ratings are averaged across loam (Carman) and clay (St. Adolphe, Morris) soil.

<sup>4</sup>Iron Deficiency Chlorosis (IDC) Groupings – These ratings determined at a

separate trial near Winnipeg that is prone to IDC. ST = Semi-Tolerant T = Tolerant S = Susceptible NT = Not Tested

<sup>5</sup>Notes 2a, 1c, etc. Phytoph. Resist. genes SCN – SCN Resistance

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**YIELD BY LOCATION – ROUNDUP READY SOYBEANS**

2014 Yield: % of 004R21

Manitoba Variety Zone	Variety	2014 Average Yield	Site Years Tested	Early Sites			Core Sites				Late Sites		
				Arborg	Beausejour	Stonewall	Carman	Morris	Portage	St. Adolphe	Morden	Rosebank	
Short Season Zone	P001T34R ☼	55	7	50	59	43	54	48	69	64	-	-	
	NSC Moosomin RR2Y	81	7	74	57	81	92	82	85	98	-	-	
	P002T04R ☼	76	7	74	58	70	66	76	100	89	-	-	
	23-10RY	92	7	100	84	80	97	90	99	89	-	-	
	Pekko R2	97	7	96	84	104	85	101	97	114	-	-	
	NSC Reston RR2Y	86	7	74	64	91	86	93	99	100	-	-	
	Bishop R2	91	7	99	68	90	95	93	91	101	-	-	
	S007-Y4	112	7	115	112	106	113	107	107	121	-	-	
	23-60RY	105	7	100	94	107	103	109	115	111	-	-	
	PS 0035 NR2	105	7	97	98	103	108	108	105	115	-	-	
	TH 32004R2Y	99	7	95	88	101	103	101	95	114	-	-	
	LS 002R24N	107	7	113	101	95	112	110	97	117	-	-	
	NSC Anola RR2Y	100	7	91	108	96	96	103	101	109	-	-	
	LS 002R23	90	7	92	70	92	88	95	95	95	-	-	
	TH 35002R2Y	92	7	85	77	93	93	102	86	104	-	-	
	<b>Experimental lines that are being tested in Manitoba</b>												
		MKZ913A4	95	7	92	81	102	99	91	94	109	-	-
		MKZ613A3	97	7	93	94	98	99	102	90	103	-	-
	PH 14001	85	7	74	75	78	95	83	90	99	-	-	
	LS NorthWester	93	7	87	92	92	85	99	91	105	-	-	
	SC2350	109	7	114	94	96	112	106	113	124	-	-	
	PH 14003	83	7	69	62	81	90	89	98	92	-	-	
Mid Season Zone	McLeod R2	98	7	94	81	95	103	103	98	113	-	-	
	S00-N6	102	7	103	104	97	104	107	102	99	-	-	
	NSC Gladstone RR2Y	100	7	80	105	99	104	103	100	111	-	-	
	Notus R2	93	7	83	71	85	104	104	92	111	-	-	
	Vito R2	94	7	94	85	99	86	96	98	104	-	-	
	Akras R2	104	7	106	91	100	104	98	109	121	-	-	
	NSC Libau RR2Y	97	7	86	99	97	92	100	98	107	-	-	
	LS 003R24N	101	7	89	95	101	113	111	88	112	-	-	
	Chadburn R2	101	7	86	105	98	104	103	99	112	-	-	
	TH 33003R2Y	97	7	91	88	100	109	99	90	102	-	-	
	NSC Tilston RR2Y	99	7	107	87	93	113	95	92	106	-	-	
	004R21	100	9	100	100	100	100	100	100	100	100	100	
	TH 33005R2Y	109	7	105	100	108	115	110	102	119	-	-	
	Sampsa R2	103	7	88	96	112	106	113	86	127	-	-	
	TH 34006R2Y	109	6	-	-	-	111	112	104	112	111	105	
	24-10RY	106	9	91	102	107	109	106	90	112	115	120	
	Gray R2	98	7	89	94	93	98	109	101	101	-	-	
	PRO 2525R2	114	7	110	115	102	118	121	106	124	-	-	
	900Y61 ☼	88	7	88	77	81	94	94	83	94	-	-	
	HS 006RYS24	96	7	79	86	94	114	101	96	104	-	-	
	P008T70R ☼	106	7	111	88	115	92	113	116	111	-	-	
	NSC Sanford R2Y	106	7	95	102	100	106	117	102	120	-	-	
900Y71 ☼	94	7	98	87	95	94	92	95	98	-	-		
Hero R2	102	7	99	92	96	116	98	95	115	-	-		
<b>Experimental lines that are being tested in Manitoba</b>													
	EXP 00813BNR2	107	6	-	-	-	97	108	105	110	116	106	
	PH 14002	94	7	81	81	96	99	96	104	104	-	-	
	FLZ612A3	99	7	98	88	94	100	107	96	108	-	-	
	CFS13.2.01 R2	109	7	122	100	102	110	105	106	115	-	-	
Long Season Zone	HS 007RY32	115	6	-	-	-	119	107	107	124	114	119	
	P008T22R2 ☼	103	7	98	87	101	109	111	110	105	-	-	
	24-61RY	106	6	-	-	-	116	106	96	108	103	105	
	PS 0074 R2	124	6	-	-	-	112	115	111	122	140	138	
	NSC Richer RR2Y	113	6	-	-	-	110	113	92	112	125	119	
	LS 005R22	109	6	-	-	-	104	106	99	117	112	115	
	NSC Niverville RR2Y	114	6	-	-	-	121	106	90	114	121	126	
	LS 007R22	114	6	-	-	-	107	126	91	122	122	116	
	S00-T9	114	6	-	-	-	103	118	107	123	116	121	
	LS 005R24	109	6	-	-	-	111	115	92	104	121	107	
	PS 0083 R2	93	6	-	-	-	78	94	73	87	112	103	
	Currie R2	113	6	-	-	-	103	119	88	116	131	114	
	25-10RY	119	6	-	-	-	118	116	115	119	118	126	
	Astro R2	122	6	-	-	-	113	121	103	126	133	131	
	PRO 2535R2	117	6	-	-	-	116	119	92	115	132	125	
<b>Experimental lines that are being tested in Manitoba</b>													
	NSC Arnaud RR2Y	114	6	-	-	-	113	112	92	121	122	121	
	CFS12.5.01 R2	109	6	-	-	-	104	110	75	117	126	116	
	NSC EXP 1319 R2	108	6	-	-	-	119	102	81	115	113	112	
	CFS13.3.01 R2	116	6	-	-	-	117	109	101	119	120	126	
<b>CHECK CHARACTERISTICS</b>		004R21 (bu/acre)		51	44	42	52	47	47	43	61	58	
		CV%		10.1	9.9	5.9	6.1	3.9	8.9	6.1	7.4	6.6	
		LSD%		16	16	10	10	6	14	10	12	11	
		Sign Dif		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
		<b>Seeding Date</b>		23-May	24-May	23-May	22-May	24-May	04-Jun	29-May	23-May	27-May	
		<b>Harvest Date</b>		15-Oct	22-Oct	10-Oct	02-Oct	07-Oct	17-Oct	08-Oct	01-Oct	15-Oct	