MARITIME SOYBEAN VARIETY EVALUATION SUMMARY 2014

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NOVA SCOTIA
CROP DEVELOPMENT INSTITUTE

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Summary

The purpose of these Maritime trials is to evaluate registered soybean varieties for their adaptability to Maritime growing conditions. Trials testing both RoundUp-Ready™ and conventional varieties were conducted at four sites in the Maritimes in 2014. The varieties tested were based on heat unit requirements to best fit the Maritime growing conditions. Seed companies were contacted and the varieties tested in 2014 were the company's selections for the test. All entries are presented in this report including those varieties not yet registered and/or available for commercial sale. The RoundUp-Ready™ entries were divided into two tests by their heat unit requirement, ≤2550 HU and >2550 HU. The 33 conventional varieties tested are listed in Table 2; the 31 RoundUp-Ready™ varieties for the ≤ 2550 HU varieties are listed in Table 3 and the 31 RoundUp-Ready™ for the ≥ 2550 HU varieties are in Table 4. There were two NS sites and one each in NB and PEI (Table 5).
Trial setup, seed packaging, data analysis and summary report preparation were carried out by the Nova Scotia Crop Development Institute (NSCDI).
Standard data collection methods were followed for all sites (See Appendix A) Thanks are extended to all cooperators who were responsible for the planting, management, data collection and harvest of the trials. Oil and protein reported on a dry matter basis was measured on composite samples from Reps 1&2 and Reps 3&4 from each entry at all sites by NSCDI using a Unity NIR.

The participation and support of the following seed companies for the 2014 Maritime Soybean Test is gratefully acknowledged: La Co-op Fédérée (ELITE), Pioneer, Syngenta, PRIDE Seeds, Hyland Seeds, Monsanto(DEKALB), Prograin, SeCan, Semican and Sevita PRO Seeds.
Funding assistance is provided in NB by the NB/Canada Growing Forward subprogram Enabling Agricultural Research and Innovation (EARI) to the New Brunswick Soil & Crop Improvement Association. Assistance for the PEI site is received from the PEI Department of Agriculture and Forestry.

A complete listing of all varieties tested with mean data from all sites is reported. Figures and tables are presented for the varieties tested at all four sites.
Individual site data is also included here and can be made available to anyone upon request. A table listing all varieties tested in 2014 with seed available for the 2015 season was prepared including 2014 yields, multi-year mean yields for those varieties tested for more than one year, 100 seed weight and days to maturity (See Appendix B). This table was distributed to growers in the Maritime Provinces through Perennia in NS and the Departments of Agriculture in NB and PEI from late November, 2014 to early January 2015.

The 2014 Maritime growing season ranged from an above average to below average year for soybean yields across the trial sites. Yields were slightly above average at the Canning, NS site due to the adequate moisture received during pod fill, average at the Truro, NS and Hartland, NB sites but were below average at the Harrington PEI site mainly due to cooler and drier conditions which existed at this site during critical growth stages. Early spring conditions were reasonably dry but a damp cool May with few drying days delayed seeding of all sites. Cool conditions persisted throughout June in particular at the PEI site resulting in slow early season growth. Normal temperatures and rainfall for the most part through July and August at the Canning and Truro, NS sites resulted in rapid vegetative growth, good pod set and pod fill. The very cool early season temperatures at the PEI site and dry periods in July and August resulted in slow growth, poor pod set and pod fill. Plants were quite stunted at the PEI site. Due to delayed maturity from the cool start to the season and extremely wet conditions in October & November including a substantial snowfall in October only the RR<2550 HU trial was able to be harvested at the Hartland, NB site. Despite a damp fall harvest period in NS soybeans were harvested at a reasonable time and beans were of good quality. Harvest at the Canning,

NS site took place on October 7 (RR<2550 HU) and October 10 (RR>2550 & Conventional) while in Truro, NS harvest of all tests took place on Oct. 21. PEI site harvest of all tests took place October 14. The NB site RR<2550 HU test was harvested on September 30. There were no major disease issues noted at any of the sites although there was some Sclerotinia (white mould) noted at the Canning site but not severe enough to rate and nodifferences among varieties was noted.

Table 1. Mean Trial Yields at each Site

Site	2014 Mean Trial Yield (kg/ha)		
	Conventional	RR < 2550 HU	RR > 2550 HU
Canning, NS	3779	4276	4748
Truro, NS	3530	3898	3799
Harrington, PEI	2232	1936	2059
Hartland, NB	Not Harvested	3361	Not Harvested

Conventional Test

Yields at the Canning, NS site were the highest, over 1500 kg/ha higher than PEI site and approximately 250 kg/ha better than the Truro, NS site. As mentioned earlier yields at the PEI site were probably depressed due to cool early season conditions and some dry conditions during pod filling. Mean yields for all varieties over all sites ranged from a low of 2232 kg/ha at the PEI site to a high of 3779 kg/ha at the Canning, NS site. The highest yielding variety in the conventional test overall was Sevita PRO Seeds line, DH618 at 3679 kg/ha which was 116% of the trial mean. Sevita PRO Seeds varieties, SVX14T00S3 and Syngenta line, S07-M8 yielded 109 and 108% of the trial mean respectively. DH618 which is rated at 2600 HU ranked 1st, 1st and 10th at Canning, Truro and Harrington, PEI sites respectively. SVX14T00S3 which is rated at 2575 HU ranked from as high as 1st at the PEI site to a low of 11th at the Truro, NS site and S07-M8 which is rated at 2700 HU ranked as high as 4th at the Truro, NS site to a low of 14th at the PEI site. DH618 has the highest mean yield of the conventional varieties tested over the last five years. The lowest HU (2350 HU) variety in the 2014 test, Tundra ranked last overall for yield which was 79% of the trial mean yield. Tundra was the earliest maturing variety over all sites at 105 days compared to 127 days for the highest heat unit variety Inwood Vinton. The highest mean protein over all sites was found in the varieties Amadeus and DH401 at 42.4% and 42% respectively compared to a trial mean of 38.1%. DH863, DH413, PSX12C62S and Taurus all had a mean protein of over 40%. The oil content ranged from 16.1 to 19.3% with a mean of approximately 17.6% at all sites. Etna and S03-W4 had the highest oil content with means across all sites of 19.3 and 19.2%, respectively.

RoundUp Ready < 2550 HU Test

Yields for the RR varieties < 2550 HU varied among sites. Yields at the Canning, NS site were the highest of all sites with a mean of 4276 kg/ha, approximately 400, 2300 and 900 kg/ha greater than the Truro, PEI and NB sites respectively. Five varieties yielded better than 109% of the trial mean for all four sites with the DEKALB variety, 25-10RY and Semican variety, NSC Osborne RR2Y yielding the highest at 112 and 111% of the trial mean. Both of these varieties ranked no lower than 7th at any of the sites. PRIDE Seeds variety PS 0074 R2 yielded 110% of the trial mean but did rank as low as 16th at the Canning, NS site. NSC Libau RR2Y, rated as the lowest heat unit at 2250 HU, ranked 25th overall. Of all varieties tested at least three years PS 0074 R2 had the highest mean yield at 3614 kg/ha over 12 site years. Pekko R2, 23-10RY and 23-60RY,

reached maturity in 106 days or less while Astro R2 was the latest maturing in 115 days. The trial mean for protein over all sites was 37% with varieties having protein levels of ranging from 35.1 to 38.8%.

RoundUp Ready > 2550 HU Test

Yields for the RR varieties > 2550 HU were slightly lower than the < 2550 HU varieties at the Truro, NS site, similar at the PEI site but were almost 500 kg/ha higher at the Canning, NS site. The yields between sites varied significantly when comparing the Canning, NS site to Truro, NS and PEI with over all grand mean yields for each site being 4748, 3799 and 2059 kg/ha for Canning, Truro and Harrington, PEI sites respectively. Four varieties yielded 105% or better of the trial mean for all four sites with DEKALB variety, 27-12RY rated at 2700 HU yielding the highest at 110% of the trial mean. 27-12Ry ranked no lower than 4th at any of the sites. The ELITE line CFS13.3.01 R2 2nd overall at 106% of the trial mean but did rank 23rd at the Canning, NS site. Of all varieties tested at least three years Prograin variety, Mundo R2 and Pioneer Hi-Bred 90Y90 had the highest mean yield at approximately 3400 kg/ha over 11 and 15 site years, respectively. PS 0242 R2 reached maturity in 115 days which is 7 days less than the latest maturing varieties. PS 0242 R2, which is rated at 2600 HU, ranked 30th for yield at 93% of the trial mean. The trial mean for protein was 36.4% with varieties ranging from 34.3 to 38.1%.

Table 2. 2014 Conventional Soybean Variety Test Entries

Entry No.	Entry Name	Seed Company	Heat Unit Req	Hilum Color*
1	Tundra	Prograin	2350	IY
2	AAC Mandor	Sevita PRO Seeds	2400	
3	DH413	Sevita PRO Seeds	2400	IY
4	DH863	Sevita PRO Seeds	2500	IY
5	Misty	Sevita PRO Seeds	2500	IY
6	Jari	ELITE	2550	IY
7	Amadeus	Prograin	2550	IY
8	DH401	Sevita PRO Seeds	2550	IY
9	Toma	Prograin	2575	IY
10	Astor	Sevita PRO Seeds	2575	Y
11	SVX14T00S3	Sevita PRO Seeds	2575	Y
12	Narita	Prograin	2600	IY
13	DH420	Sevita PRO Seeds	2600	IY
14	DH618	Sevita PRO Seeds	2600	IY
15	Celebrity	Sevita PRO Seeds	2575	Y
16	PSX12C62S	Sevita PRO Seeds	2600	Y
17	CFS09.5.01	ELITE	2625	Y
18	Etna	ELITE	2650	IY
19	HX 04C54	Hyland Seeds	2650	IY
20	Taurus	Prograin	2650	IY
21	Savanna	Sevita PRO Seeds	2650	Y
22	S03-W4	Syngenta NK Brand	2650	
23	CFS13.5.01CV	ELITE	2700	
24	Madison	Hyland Seeds	2700	Br
25	HX 07C55	Hyland Seeds	2700	BF
26	PR1309613	Prograin	2700	Y
27	Saska	Prograin	2700	IY
28	S07-M8	Syngenta NK Brand	2700	Y
29	HS 09C02	Hyland Seeds	2750	Y
30	HX 09C56	Hyland Seeds	2750	IY
31	Acora	Prograin	2800	IY
32	Hannah	Meadow Brook Farms	2800	
33	Inwood Vinton	Meadow Brook Farms	2950	

** See Appendix A for definition of codes*

Table 3. 2014 RoundUp Ready Soybean ≤ 2550 HU Variety Test Entries

Entry No.	Entry Name	Seed Company	Heat Unit Req	Hilum Color*
1	NSC LIBAU RR2Y	Semican	2250	BL
2	23-11RY	DEKALB	2300	BL
3	Pekko R2	ELITE	2325	BI
4	23-10RY	DEKALB	2325	BL
5	CFS13.2.01R2	ELITE	2350	Y
6	23-60RY	DEKALB	2375	BL
7	Hero R2	Prograin	2375	BI
8	McLeod R2	SeCan	2375	BL
9	Akras R2	ELITE	2400	BL
10	Sampsa R2	ELITE	2425	BI
11	24-10RY	DEKALB	2425	BI
12	24-11RY	DEKALB	2425	BL
13	900Y61	Pioneer Hi-Bred	2425	Br
14	S00-B7	Syngenta NK Brand	2450	
15	HS 006RYS24	Hyland Seeds	2450	BI
16	Vito R2	Prograin	2450	GR
17	PRO 2525R2	Sevita PRO Seeds	2450	BL
18	S007-Y4	Syngenta NK Brand	2450	
19	24-61RY	DEKALB	2475	BL
20	HS 007RY32	Hyland Seeds	2475	BI
21	25-10RY	DEKALB	2500	BL
22	PS 0083R2	PRIDE Seeds	2500	BL
23	NSC OSBORNE RR2Y	Semican	2500	BI
24	LS008R21	Sevita PRO Seeds	2500	Br
25	Astro R2	Prograin	2525	BI
26	90Y01	Pioneer Hi-Bred	2525	IY
27	PS 0074R2	PRIDE Seeds	2525	Br
28	CFS12.5.01R2	ELITE	2550	
29	NSC Jaden RR2Y	ELITE	2550	BI
30	P01T23R	Pioneer Hi-Bred	2550	Br
31	S00-T9	Syngenta NK Brand	2550	

** See Appendix A for definition of codes*

Table 4. 2014 RoundUp Ready Soybean > 2550 HU Variety Test Entries

Entry No.	Entry Name	Seed Company	Heat Unit Req	Hilum Color*
1	Ekurana R2	ELITE	2550	IB
2	CFS13.3.01 R2	ELITE	2575	BL
3	PRO 2535R2	Sevita PRO Seeds	2575	BI
4	26-12RY	DEKALB	2600	BF
5	PS 0242 R2	PRIDE Seeds	2600	BL
6	Theo R2	Prograin	2600	BL
7	CF01GR	Semican	2600	BL
8	Colt R2	ELITE	2625	BL
9	HS 03RY33	Hyland Seeds	2625	BL
10	26-10RY	DEKALB	2650	GR
11	PRO 2625R2	Sevita PRO Seeds	2650	BL
12	PRO 2635R2	Sevita PRO Seeds	2650	BL
13	S04-D3	Syngenta NK Brand	2650	
14	HS 05RYS25	Hyland Seeds	2675	Br
15	P06T28R	Pioneer Hi-Bred	2675	Br
16	PS 0416 R2	PRIDE Seeds	2675	BL
17	Camaro R2	SeCan	2675	BL
18	27-12RY	DEKALB	2700	GR
19	Mundo R2	Prograin	2700	Br
20	Nitro R2	Prograin	2700	Br
21	NSC CARIBOU RR2Y	Semican	2700	BL
22	S07-B6	Syngenta NK Brand	2700	
23	90Y90	Pioneer Hi-Bred	2750	Br
24	PS 0650 R2	PRIDE Seeds	2750	Br
25	CF12GR	Semican	2750	BL
26	5091 RR2Y	ELITE	2775	BL
27	HS 09RYS12	Hyland Seeds	2775	BL
28	91Y01	Pioneer Hi-Bred	2775	BF
29	S10-P9	Syngenta NK Brand	2800	
30	P12T82R	Pioneer Hi-Bred	2825	Br
31	Maxo R2	Prograin	2825	Br

** See Appendix A for definition of codes*

Table 5. Site Information

Site	Cooperator	Previous Crop	Seeding Date	Harvest Date	CHU
Canning, NS	NSCDI Claude Caldwell Doug MacDonald	Corn	May 29	RR<2550 – Oct. 7 Conv. – Oct. 10 RR>2550 – Oct. 10	June 1- Sept. 17 2532
Truro, NS	NSCDI Claude Caldwell Doug MacDonald	Barley	June 3	RR<2550 – Oct. 21 Conv. – Oct. 21 RR>2550 – Oct. 21	June 1- Sept. 30 2314
Harrington, PEI	AAFC Richard Martin Chris Fleming	Red Clover	May 30	RR<2550 – Oct. 14 Conv. – Oct. 14 RR>2550 – Oct. 14	Jun. 1– Sept. 30 2730
Hartland, NB	NBDAA Peter Scott Anthony Smith	Potatoes	June 3	RR<2550 – Sept.30	Jun. 3– Sept. 19 2232

Table 5. Site Information(Cont.)

Site	Fertility	Herbicide
Canning, NS	None	**Conventional** Basagran Forte 2.25 L/ha June 29 **RoundUp Ready** *Soybeans between 1st and 2nd trifoliate* RoundUp Transorb (2.5 L/ha)
Truro, NS	None	**Conventional** Preemergent Lorox L (2L/ha) + Dual 960E (2L/ha) June 8 **RoundUp Ready** RoundUp Weathermax(2.5 L/ha) July 9
Harrington, PEI	300 kg/ha 5-20-20 Broadcast May 28	**Conventional & RoundUp Ready** Preemergent Dual (1.75 L/ha) + Linuron (2L/ha) June 2
Hartland, NB	None	**RoundUp Ready** Round Up (2.5 L/ha) July 1

Table 6. 2014 Conventional Soybean Varieties Mean Overall Yields and Site Yields

			Yield (kg/ha)									
Entry Name	**Seed Company**	**HU Req.**	**Mean of 3 Sites**		**Canning NS**		**Truro NS**		**Harrington PEI**		**Hartland* NB**	
Tundra	Prograin	2350	2497		3475	jkl	2886	lm	1130	k		
AAC Mandor	Sevita PRO Seeds	2400	3042		3620	h-k	3857	a-d	1650	j		
DH413	Sevita PRO Seeds	2400	3324		3625	g-k	3849	a-e	2500	a-d		
DH863	Sevita PRO Seeds	2500	3142		3415	kl	3733	b-h	2279	c-g		
Misty	Sevita PRO Seeds	2500	3194		3756	d-j	3911	ab	1915	hij		
Jari	ELITE	2550	3135		3581	h-k	3360	g-k	2464	bcd		
Amadeus	Prograin	2550	2906		3215	l	3330	g-l	2173	e-h		
DH401	Sevita PRO Seeds	2550	3249		3414	kl	3847	a-e	2487	a-d		
Toma	Prograin	2575	3003		3545	ijk	3611	b-k	1852	ij		
Astor	Sevita PRO Seeds	2575	3243		3804	c-i	3816	b-f	2110	f-i		
SVX14T00S3	Sevita PRO Seeds	2575	3461		3961	b-f	3660	b-i	2762	a		
Narita	Prograin	2600	3122		3618	h-k	3439	c-k	2308	c-f		
DH420	Sevita PRO Seeds	2600	3247		3792	d-i	3634	b-j	2316	c-f		
DH618	Sevita PRO Seeds	2600	3679		4310	a	4292	a	2436	b-e		
Celebrity	Sevita PRO Seeds	2575	3322		3990	b-f	3655	b-i	2322	c-f		
PSX12C62S	Sevita PRO Seeds	2600	3293		3862	c-h	3378	f-k	2639	ab		
CFS09.5.01	ELITE	2625	3375		3947	b-f	3777	b-g	2402	b-e		
Etna	ELITE	2650	3207		3764	d-j	3400	e-k	2458	bcd		
HX 04C54	Hyland Seeds	2650	3352		4008	a-e	3507	b-k	2542	abc		
Taurus	Prograin	2650	3069		3541	ijk	3238	i-l	2428	b-e		
Savanna	Sevita PRO Seeds	2650	3280		3836	c-i	3574	b-k	2429	b-e		
S03-W4	Syngenta NK Brand	2650	3237		3784	d-j	3910	ab	2019	ghi		
		LSD (P=.05)	***117.8***		***313.44***		***449.54***		***277.43***			
		Standard Deviation	***73.6***		***223.87***		***321.08***		***198.15***			
		CV	***0.58***		***5.92***		***9.1***		***8.88***			
		Grand mean	***3180***		***3779***		***3524***		***2232***			

Means followed by the same letter are not significantly different at $p \leq 0.05$ Hartland, NB site not harvested*

Table 6 (Cont.) 2014 Conventional Soybean Varieties Mean Overall Yields and Site Yields

			Yield (kg/ha)									
Entry Name	**Seed Company**	**HU Req.**	**Mean of 3 Sites**		**Canning NS**		**Truro NS**		**Harrington PEI**		**Hartland* NB**	
CFS13.5.01CV	ELITE	2700	3206		4177	ab	3428	d-k	2013	ghi		
Madison	Hyland Seeds	2700	3325		4109	abc	3530	b-k	2337	c-f		
HX 07C55	Hyland Seeds	2700	3105		3833	c-i	3394	f-k	2087	f-i		
PR1309613	Prograin	2700	3157		3742	e-j	3556	b-k	2174	e-h		
Saska	Prograin	2700	3080		3681	f-k	3285	h-l	2274	c-g		
S07-M8	Syngenta NK Brand	2700	3431		4016	a-e	3886	abc	2390	b-e		
HS 09C02	Hyland Seeds	2750	3167		4068	a-d	3180	kl	2252	d-g		
HX 09C56	Hyland Seeds	2750	3349		3934	b-g	3616	b-k	2496	a-d		
Acora	Prograin	2800	3330		4031	a-e	3302	h-l	2656	ab		
Hannah	Meadow Brook Farms	2800	2828		3630	g-k	3190	jkl	1663	j		
Inwood Vinton	Meadow Brook Farms	2950	2591		3608	h-k	2459	m	1706	j		
		LSD (P=.05)	***117.8***		***313.44***		***449.54***		***277.43***			
		Standard Deviation	***73.6***		***223.87***		***321.08***		***198.15***			
		CV	***0.58***		***5.92***		***9.1***		***8.88***			
		Grand mean	***3180***		***3779***		***3524***		***2232***			

Means followed by the same letter are not significantly different at $p \leq 0.05$ Hartland, NB site not harvested*

Table 7. 2014 Conventional Soybean Yield Rankings (Varieties ranked 1-20)

					Yield Rankings			
Entry Name	**Seed Company**	**HU Req.**	**Yield (kg/ha) Mean of 3 Sites**	**% of Trial Mean (3 sites)**	**Overall**	**Canning NS**	**Truro NS**	**Harrington PEI**
DH618	Sevita PRO Seeds	2600	3679	116	1	1	1	10
SVX14T00S3	Sevita PRO Seeds	2575	3461	109	2	9	11	1
S07-M8	Syngenta NK Brand	2700	3431	108	3	6	4	14
CFS09.5.01	ELITE	2625	3375	106	4	10	9	13
HX 04C54	Hyland Seeds	2650	3352	105	5	7	19	4
HX 09C56	Hyland Seeds	2750	3349	105	6	11	14	6
Acora	Prograin	2800	3330	105	7	5	27	2
Madison	Hyland Seeds	2700	3325	105	8	3	18	15
DH413	Sevita PRO Seeds	2400	3324	105	9	23	6	5
Celebrity	Sevita PRO Seeds	2575	3322	104	10	8	12	16
PSX12C62S	Sevita PRO Seeds	2600	3293	104	11	12	24	3
Savanna	Sevita PRO Seeds	2650	3280	103	12	13	16	11
DH401	Sevita PRO Seeds	2550	3249	102	13	32	7	7
DH420	Sevita PRO Seeds	2600	3247	102	14	16	13	17
Astor	Sevita PRO Seeds	2575	3243	102	15	15	8	24
S03-W4	Syngenta NK Brand	2650	3237	102	16	17	3	26
Etna	ELITE	2650	3207	101	17	18	22	9
CFS13.5.01CV	ELITE	2700	3206	101	18	2	21	27
Misty	Sevita PRO Seeds	2500	3194	100	19	19	2	28
HS 09C02	Hyland Seeds	2750	3167	100	20	4	31	21

**Means are from 3 sites combined for trial mean*

Table 7 (Continued). 2014 Conventional Soybean Yield Rankings (Varieties ranked 21-33)

					Yield Rankings			
Entry Name	**Seed Company**	**HU Req.**	**Yield (kg/ha) Mean of 3 Sites**	**% of Trial Mean (3 sites)**	**Overall**	**Canning NS**	**Truro NS**	**Harrington PEI**
PR1309613	Prograin	2700	3157	99	21	20	17	22
DH863	Sevita PRO Seeds	2500	3142	99	22	31	10	19
Jari	ELITE	2550	3135	99	23	27	25	8
Narita	Prograin	2600	3122	98	24	25	20	18
HX 07C55	Hyland Seeds	2700	3105	98	25	14	23	25
Saska	Prograin	2700	3080	97	26	21	28	20
Taurus	Prograin	2650	3069	97	27	29	29	12
AAC Mandor	Sevita PRO Seeds	2400	3042	96	28	24	5	32
Toma	Prograin	2575	3003	94	29	28	15	29
Amadeus	Prograin	2550	2906	91	30	33	26	23
Hannah	Meadow Brook Farms	2800	2828	89	31	22	30	31
Inwood Vinton	Meadow Brook Farms	2950	2591	81	32	26	33	30
Tundra	Prograin	2350	2497	79	33	30	32	33

**Means are from 3 sites combined for trial mean*

Table 8. 2014 RR < 2550 HU Soybean Varieties Mean Overall Yields and Site Yields

			Yield (kg/ha)									
Entry Name	**Seed Company**	**HU Req.**	**Mean of 4 Sites**		**Canning NS**		**Truro NS**		**Harrington PEI**		**Hartland NB**	
NSC LIBAU RR2Y	Semican	2250	3147		3961	hij	3824	c-h	1696	g-k	3106	e-i
23-11RY	DEKALB	2300	3087		4164	e-i	3761	d-i	1351	lm	3074	f-i
Pekko R2	ELITE	2325	3175		4206	d-i	3665	e-i	1610	i-l	3220	c-h
23-10RY	DEKALB	2325	2728		3612	jk	3038	k	1256	m	3007	ghi
CFS13.2.01R2	ELITE	2350	3450		4428	a-f	4414	a	1624	i-l	3335	c-g
23-60RY	DEKALB	2375	3274		4085	f-i	4046	a-f	1783	f-j	3181	d-h
Hero R2	Prograin	2375	3262		4550	a-e	3535	g-j	1646	h-l	3316	c-g
McLeod R2	SeCan	2375	3059		4117	f-i	3598	f-j	1705	g-k	2817	hij
Akras R2	ELITE	2400	3387		4324	b-i	4008	a-f	1815	f-j	3400	a-g
Sampsa R2	ELITE	2425	3531		4415	a-g	4385	ab	1841	f-i	3482	a-f
24-10RY	DEKALB	2425	3471		4365	b-i	4305	ab	1643	h-l	3571	a-d
24-11RY	DEKALB	2425	2905		3990	g-j	3159	jk	1771	f-j	2702	ij
900Y61	Pioneer Hi-Bred	2425	3238		4265	b-i	3812	c-i	1447	klm	3427	a-g
S00-B7	Syngenta NK Brand	2450	3212		4104	f-i	3381	h-k	2065	b-f	3296	c-g
HS 006RYS24	Hyland Seeds	2450	3269		4234	c-i	3535	g-j	1779	f-j	3529	a-f
Vito R2	Prograin	2450	3117		4170	e-i	3355	ijk	1539	j-m	3406	a-g
PRO 2525R2	Sevita PRO Seeds	2450	3455		4318	b-i	3971	a-g	2157	a-e	3375	b-g
S007-Y4	Syngenta NK Brand	2450	3533		4252	b-i	4012	a-f	2289	abc	3578	a-d
24-61RY	DEKALB	2475	3500		4804	a	3975	a-g	1952	d-g	3269	c-h
HS 007RY32	Hyland Seeds	2475	3478		4638	abc	3975	a-g	2016	c-f	3284	c-g
25-10RY	DEKALB	2500	3760		4562	a-e	4401	a	2245	a-d	3833	ab
PS 0083R2	PRIDE Seeds	2500	2773		3477	k	3167	jk	1958	d-g	2490	j
NSC OSBORNE RR2Y	Semican	2500	3724		4668	ab	4226	abc	2441	a	3561	a-e
LS008R21	Sevita PRO Seeds	2500	3620		4457	a-f	4134	a-d	2431	a	3461	a-g
LSD (P=.05)			***95.7***		***425.89***		***463.93***		***296.82***		***458.87***	
Standard Deviation			***69.1***		***301.15***		***328.05***		***209.88***		***324.47***	
CV			***0.52***		***7.05***		***8.43***		***10.97***		***9.75***	
Grand mean			***3351***		***4271***		***3894***		***1913***		***3328***	

Means followed by the same letter are not significantly different at $p \leq 0.05$

Table 8 (Continued). 2014 RR < 2550 HU Soybean Varieties Mean Overall Yields and Site Yields

			Yield (kg/ha)									
Entry Name	**Seed Company**	**HU Req.**	**Mean of 4 Sites**		**Canning NS**		**Truro NS**		**Harrington PEI**		**Hartland NB**	
Astro R2	Prograin	2525	3498		4348	b-i	4083	a-e	1939	e-h	3620	a-d
90Y01	Pioneer Hi-Bred	2525	3409		4434	a-f	4021	a-f	1829	f-j	3354	c-g
PS 0074R2	PRIDE Seeds	2525	3689		4292	b-i	4381	ab	2238	a-d	3844	a
CFS12.5.01R2	ELITE	2550	3522		4385	a-h	4113	a-e	2286	abc	3303	c-g
NSC Jaden RR2Y	ELITE	2550	3668		4234	c-i	4326	ab	2449	a	3662	abc
P01T23R	Pioneer Hi-Bred	2550	3648		4608	a-d	4167	a-d	2314	ab	3503	a-f
S00-T9	Syngenta NK Brand	2550	3305		3945	ij	3933	b-g	2182	a-e	3161	d-h
LSD (P=.05)			***95.7***		***425.89***		***463.93***		***296.82***		***458.87***	
Standard Deviation			***71.9***		***69.1***		***301.15***		***328.05***		***209.88***	
CV			***0.52***		***7.05***		***8.43***		***10.97***		***9.75***	
Grand mean			***3351***		***4271***		***3894***		***1913***		***3328***	

Means followed by the same letter are not significantly different at $p \leq 0.05$

Table 9. 2014 RR ≤ 2550 Soybean Yield Rankings (Varieties ranked 1-20)

**Means are from four sites combined for trial mean*

Entry Name	Seed Company	HU Req.	Yield (kg/ha) Mean of 4 Sites	% of Trial Mean (4 sites)	Overall	Canning NS	Truro NS	Harrington PEI	Hartland NB
25-10RY	DEKALB	2500	3760	112	1	5	2	7	2
NSC OSBORNE RR2Y	Semican	2500	3724	111	2	2	7	2	7
PS 0074R2	PRIDE Seeds	2525	3689	110	3	16	4	8	1
NSC Jaden RR2Y	ELITE	2550	3668	109	4	20	5	1	3
P01T23R	Pioneer Hi-Bred	2550	3648	109	5	4	8	4	9
LS008R21	Sevita PRO Seeds	2500	3620	108	6	7	9	3	11
S007-Y4	Syngenta NK Brand	2450	3533	105	7	18	14	5	5
Sampsa R2	ELITE	2425	3531	105	8	10	3	16	10
CFS12.5.01R2	ELITE	2550	3522	105	9	11	10	6	19
24-61RY	DEKALB	2475	3500	104	10	1	16	14	22
Astro R2	Prograin	2525	3498	104	11	13	11	15	4
HS 007RY32	Hyland Seeds	2475	3478	104	12	3	17	12	21
24-10RY	DEKALB	2425	3471	104	13	12	6	25	6
PRO 2525R2	Sevita PRO Seeds	2450	3455	103	14	15	18	10	15
CFS13.2.01R2	ELITE	2350	3450	103	15	9	1	26	17
90Y01	Pioneer Hi-Bred	2525	3409	102	16	8	13	17	16
Akras R2	ELITE	2400	3387	101	17	14	15	18	14
S00-T9	Syngenta NK Brand	2550	3305	99	18	29	19	9	25
23-60RY	DEKALB	2375	3274	98	19	26	12	19	24
HS 006RYS24	Hyland Seeds	2450	3269	98	20	19	26	20	8

Table 9. (Continued) 2014 RR ≤ 2550 Soybean Yield Rankings (Varieties ranked 21-31)
**Means are from four sites combined for trial mean*

Entry Name	Seed Company	HU Req.	Yield (kg/ha) Mean of 4 Sites	% of Trial Mean (4 sites)	Overall	Canning NS	Truro NS	Harrington PEI	Hartland NB
Hero R2	Prograin	2375	3262	97	21	6	25	24	18
900Y61	Pioneer Hi-Bred	2425	3238	97	22	17	21	29	12
S00-B7	Syngenta NK Brand	2450	3212	96	23	25	27	11	20
Pekko R2	ELITE	2325	3175	95	24	21	23	27	23
NSC LIBAU RR2Y	Semican	2250	3147	94	25	28	20	23	26
Vito R2	Prograin	2450	3117	93	26	22	28	28	13
23-11RY	DEKALB	2300	3087	92	27	23	22	30	27
McLeod R2	SeCan	2375	3059	91	28	24	24	22	29
24-11RY	DEKALB	2425	2905	87	29	27	30	21	30
PS 0083R2	PRIDE Seeds	2500	2773	83	30	31	29	13	31
23-10RY	DEKALB	2325	2728	81	31	30	31	31	28

Table 10. 2014 RR> 2550 HU Soybean Varieties Mean Overall Yields and Site Yields

			Yield (kg/ha)									
Entry Name	**Seed Company**	**HU Req.**	**Mean of 3 Sites**		**Canning NS**		**Truro NS**		**Harrington PEI**		**Hartland NB***	
Ekurana R2	ELITE	2550	3552		4622	f-j	3836	d-g	2198	a-e		
CFS13.3.01 R2	ELITE	2575	3771		4611	f-k	4411	a	2291	abc		
PRO 2535R2	Sevita PRO Seeds	2575	3555		4624	f-j	3886	c-f	2155	a-g		
26-12RY	DEKALB	2600	3669		4922	a-g	3939	cde	2145	a-h		
PS 0242 R2	PRIDE Seeds	2600	3290		4281	kl	3633	e-i	1956	f-k		
Theo R2	Prograin	2600	3384		4669	f-j	3583	f-i	1899	i-l		
CF01GR	Semican	2600	3308		4455	jk	3563	f-i	1906	i-l		
Colt R2	ELITE	2625	3550		4437	jk	4001	bcd	2211	a-e		
HS 03RY33	Hyland Seeds	2625	3716		5115	a	4018	bcd	2015	d-j		
26-10RY	DEKALB	2650	3604		4771	b-j	4326	ab	1716	l		
PRO 2625R2	Sevita PRO Seeds	2650	3580		4747	d-j	3621	e-i	2373	a		
PRO 2635R2	Sevita PRO Seeds	2650	3572		4628	f-j	3910	c-f	2179	a-f		
S04-D3	Syngenta NK Brand	2650	3538		4500	ijk	3968	cde	2145	a-h		
HS 05RYS25	Hyland Seeds	2675	3592		4799	a-i	3840	d-g	2136	a-i		
P06T28R	Pioneer Hi-Bred	2675	3574		4833	a-i	3906	c-f	1984	e-k		
PS 0416 R2	PRIDE Seeds	2675	3615		4605	g-k	4324	ab	1917	g-l		
Camaro R2	SeCan	2675	3498		4505	ijk	3906	c-f	2082	c-j		
27-12RY	DEKALB	2700	3886		5089	abc	4204	abc	2366	a		
Mundo R2	Prograin	2700	3568		4870	a-h	3728	d-g	2107	b-i		
Nitro R2	Prograin	2700	3553		4562	h-k	3914	c-f	2184	a-f		
NSC CARIBOU RR2Y	Semican	2700	3618		5081	a-d	3521	ghi	2250	a-d		
S07-B6	Syngenta NK Brand	2700	3405		4798	a-i	3641	e-i	1776	kl		
90Y90	Pioneer Hi-Bred	2750	3566		4720	e-j	3708	d-h	2269	abc		
PS 0650 R2	PRIDE Seeds	2750	3218		4069	l	3724	d-g	1861	jkl		
CF12GR	Semican	2750	3492		4885	a-h	3680	d-i	1910	h-l		
5091 RR2Y	ELITE	2775	3401		4944	a-f	3343	i	1916	h-l		
HS 09RYS12	Hyland Seeds	2775	3645		5016	a-e	3703	d-h	2214	a-e		
91Y01	Pioneer Hi-Bred	2775	3731		5101	ab	3757	d-g	2334	ab		
S10-P9	Syngenta NK Brand	2800	3427		4756	c-j	3753	d-g	1773	kl		
P12T82R	Pioneer Hi-Bred	2825	3512		5111	a	3679	d-i	1748	kl		
Maxo R2	Prograin	2825	3442		4912	a-g	3356	hi	2057	c-j		
	LSD (P=.05)		***109.3***		***338.25***		***352.45***		***237.29***			
	CV		***0.48***		***5.04***		***6.53***		***8.12***			
	Grand mean		***3543***		***4743***		***3819***		***2067***			

Means followed by the same letter are not significantly different at p≤ 0.05* Hartland, NB site not harvested

Table 11. 2014 RR > 2550 Soybean Yield Rankings (Varieties Ranked 1-20 Overall)

					Yield Ranking			
Entry Name	**Seed Company**	**HU Req.**	**Yield (kg/ha) Mean of 3 Sites**	**% of Trial Mean (3 sites)**	**Overall**	**Canning NS**	**Truro NS**	**Harrington PEI**
27-12RY	DEKALB	2700	3886	110	1	4	4	2
CFS13.3.01 R2	ELITE	2575	3771	106	2	23	1	4
91Y01	Pioneer Hi-Bred	2775	3731	105	3	3	16	3
HS 03RY33	Hyland Seeds	2625	3716	105	4	1	5	19
26-12RY	DEKALB	2600	3669	104	5	8	8	13
HS 09RYS12	Hyland Seeds	2775	3645	103	6	6	21	7
NSC CARIBOU RR2Y	Semican	2700	3618	102	7	5	29	6
PS 0416 R2	PRIDE Seeds	2675	3615	102	8	24	3	22
26-10RY	DEKALB	2650	3604	102	9	15	2	31
HS 05RYS25	Hyland Seeds	2675	3592	101	10	13	14	15
PRO 2625R2	Sevita PRO Seeds	2650	3580	101	11	17	26	1
P06T28R	Pioneer Hi-Bred	2675	3574	101	12	12	11	20
PRO 2635R2	Sevita PRO Seeds	2650	3572	101	13	20	10	11
Mundo R2	Prograin	2700	3568	101	14	11	18	16
90Y90	Pioneer Hi-Bred	2750	3566	101	15	18	20	5
PRO 2535R2	Sevita PRO Seeds	2575	3555	100	16	21	13	12
Nitro R2	Prograin	2700	3553	100	17	25	9	10
Ekurana R2	ELITE	2550	3552	100	18	22	15	9
Colt R2	ELITE	2625	3550	100	19	29	6	8
S04-D3	Syngenta NK Brand	2650	3538	100	20	27	7	14

**Means are from 3 sites combined for trial mean*

Table 11 (Continued). 2014 RR > 2550 Soybean Yield Rankings (Varieties Ranked 21-31 Overall)

					Yield Ranking			
Entry Name	**Seed Company**	**HU Req.**	**Yield (kg/ha) Mean of 3 Sites**	**% of Trial Mean (3 sites)**	**Overall**	**Canning NS**	**Truro NS**	**Harrington PEI**
P12T82R	Pioneer Hi-Bred	2825	3512	99	21	2	23	30
Camaro R2	SeCan	2675	3498	99	22	26	12	17
CF12GR	Semican	2750	3492	99	23	10	22	24
Maxo R2	Prograin	2825	3442	97	24	9	30	18
S10-P9	Syngenta NK Brand	2800	3427	97	25	16	17	29
S07-B6	Syngenta NK Brand	2700	3405	96	26	14	24	28
5091 RR2Y	ELITE	2775	3401	96	27	7	31	23
Theo R2	Prograin	2600	3384	96	28	19	27	26
CF01GR	Semican	2600	3308	93	29	28	28	25
PS 0242 R2	PRIDE Seeds	2600	3290	93	30	30	25	21
PS 0650 R2	PRIDE Seeds	2750	3218	91	31	31	19	27

**Means are from 3 sites combined for trial mean*

Table 12. 2014 Maritime Conventional Soybean Test - Multi Site Summary (Canning, NS Truro, NS Harrington, PEI)

Entry No.	Entry Name	Yield kg/ha	100 Seed Wt g	Plant Ht. cm	Pod Ht. cm	Maturity DAP	Oil % DM Basis	Protein % DM Basis
1	Tundra	2497	17.6	55	9	105	17	37.8
2	AAC Mandor	3042	18.2	60	10	113	17.5	35.4
3	DH413	3324	18.5	68	10	112	16.7	41.3
4	DH863	3142	18	64	10	113	17.3	41.1
5	Misty	3194	16.2	67	10	113	18	38.9
6	Jari	3135	17.8	69	12	117	17.4	41.2
7	Amadeus	2906	17.3	65	9	113	16.7	42.4
8	DH401	3249	18.7	66	10	113	16.6	42
9	Toma	3003	18.9	60	9	116	19.1	36.6
10	Astor	3243	19.8	61	9	116	18.8	36.6
11	SVX14T00S3	3461	19.1	59	10	117	18	37.6
12	Narita	3122	19.5	64	10	117	19	36.9
13	DH420	3247	19.5	66	11	115	18	38.6
14	DH618	3679	18.6	68	11	116	18.9	36.1
15	Celebrity	3322	17	61	9	116	18.7	38.2
16	PSX12C62S	3293	16.9	74	10	117	17.2	40.9
17	CFS09.5.01	3375	20.5	69	10	118	18	39.6
18	Etna	3207	19.1	62	9	119	19.3	35.4
19	HX 04C54	3352	17.6	72	10	120	18.8	36.2
20	Taurus	3069	18.8	80	10	117	17.2	40.8
21	Savanna	3280	18.6	68	11	116	18.6	36.8
22	S03-W4	3237	19.2	65	9	116	19.2	37.5
23	CFS13.5.01CV	3206	18.4	65	8	118	18.4	38.2
24	Madison	3325	17.4	69	8	118	20.2	33.9
25	HX 07C55	3105	15.4	72	9	120	18.7	35.6
26	PR1309613	3157	19.8	71	9	117	18.5	38.2
27	Saska	3080	16.2	63	9	119	19.2	36.6
28	S07-M8	3431	20.7	66	9	119	17.3	39.3
29	HS 09C02	3167	17.8	61	9	119	17.9	35.6
30	HX 09C56	3349	14.7	69	9	120	19.9	37.2
31	Acora	3330	18.2	74	9	121	18.5	36.6
32	Hannah	2828	18.8	72	9	122	17.3	37.9
33	Inwood Vinton	2591	18	75	9	127	16.5	38.8

Table 13. 2014 Maritime RR < 2550 Soybean Test - Multi Site Summary (Canning, NS Truro, NS Harrington, PEI Hartland, NB)

Entry No.	Entry Name	Yield kg/ha	100 Seed Wt g	Plant Ht. cm	Pod Ht. cm (3 sites)	Maturity DAP	Oil % DM Basis	Protein % DM Basis
1	NSC LIBAU RR2Y	3147	17.6	56	9	107	18.8	38.5
2	23-11RY	3087	16	54	9	107	18.9	35.4
3	Pekko R2	3175	17	57	10	106	18.8	36.7
4	23-10RY	2728	19.2	51	8	105	17.8	38.6
5	CFS13.2.01R2	3450	15.4	58	11	109	18.8	35.7
6	23-60RY	3274	17	62	9	106	18	37.7
7	Hero R2	3262	16.6	59	8	113	18.4	37.7
8	McLeod R2	3059	18.1	60	9	109	18.7	37
9	Akras R2	3387	18.3	54	13	110	17.9	36.4
10	Sampsa R2	3531	17.9	54	9	111	17.2	36.5
11	24-10RY	3471	17.9	52	8	110	17.3	36.7
12	24-11RY	2905	17	57	8	110	18	36.9
13	900Y61	3238	18	53	8	109	17.5	37.4
14	S00-B7	3212	17.2	67	11	109	19	37.2
15	HS 006RYS24	3269	17.7	60	8	110	18	37.9
16	Vito R2	3117	15.9	67	9	108	19.7	38.8
17	PRO 2525R2	3455	19.3	65	9	112	18.6	37.8
18	S007-Y4	3533	17.1	55	11	109	18.6	36.6
19	24-61RY	3500	17.4	61	9	112	19	38.3
20	HS 007RY32	3478	18.8	57	10	112	19.1	36.1
21	25-10RY	3760	18.1	65	9	113	18.1	37.3
22	PS 0083R2	2773	18.8	61	8	114	19.4	36
23	NSC OSBORNE RR2Y	3724	18.8	66	10	114	18.1	36.7
24	LS008R21	3620	17.1	63	10	113	18.1	37.3
25	Astro R2	3498	17	65	8	115	18.9	36.5
26	90Y01	3409	16.5	56	9	110	19.7	35.1
27	PS 0074R2	3689	15.1	63	9	113	19.1	35.8
28	CFS12.5.01R2	3522	18.2	66	9	113	19.2	36.9
29	NSC Jaden RR2Y	3668	16.8	61	10	111	19.1	36.7
30	P01T23R	3648	17.3	54	9	113	18.5	35.6
31	S00-T9	3305	18	61	10	114	18.3	37.7

Table 14. 2014 Maritime RR > 2550 Soybean Test - Multi Site Summary (Canning, NS Truro, NS Harrington, PEI)

Entry No.	Entry Name	Yield kg/ha	100 Seed Wt g	Plant Ht. cm	Pod Ht. cm	Maturity DAP	Oil % DM Basis	Protein % DM Basis
1	Ekurana R2	3552	16.5	67	10	116	19	35.5
2	CFS13.3.01 R2	3771	17.7	67	11	115	20.5	35.7
3	PRO 2535R2	3555	19.4	70	11	118	19.2	35.5
4	26-12RY	3669	16.8	66	10	118	17.7	35.9
5	PS 0242 R2	3290	16	61	10	115	18.6	35
6	Theo R2	3384	17	69	10	116	17.7	36.1
7	CF01GR	3308	16.9	60	10	118	18.6	37.8
8	Colt R2	3550	15.4	66	10	116	19.4	36.3
9	HS 03RY33	3716	17.7	69	12	119	19	36.6
10	26-10RY	3604	15.4	54	9	117	17.9	35.6
11	PRO 2625R2	3580	18.6	65	10	119	18.7	35.7
12	PRO 2635R2	3572	16.2	68	10	119	18.8	37
13	S04-D3	3538	17.8	62	9	117	18.2	37.2
14	HS 05RYS25	3592	16.5	62	11	118	17.7	36.2
15	P06T28R	3574	17.4	62	12	119	19.1	36
16	PS 0416 R2	3615	16.3	60	10	119	19	38.2
17	Camaro R2	3498	15.4	58	10	119	17.5	38.1
18	27-12RY	3886	17.7	68	14	119	18.5	38.5
19	Mundo R2	3568	18.2	61	9	120	17.7	37.4
20	Nitro R2	3553	19.3	69	10	119	19	35.4
21	NSC CARIBOU RR2Y	3618	16.1	68	10	119	17.8	37.9
22	S07-B6	3405	15.9	61	9	121	18.7	34.6
23	90Y90	3566	17.8	61	10	120	18	36
24	PS 0650 R2	3218	19.2	55	10	118	18.2	37.1
25	CF12GR	3492	17.9	68	12	120	17.5	38.5
26	5091 RR2Y	3401	16.6	71	11	120	18.1	36.7
27	HS 09RYS12	3645	16.7	61	10	122	18.3	36.4
28	91Y01	3731	17.5	68	10	121	18.5	34.5
29	S10-P9	3427	17.8	57	9	122	17.3	36.8
30	P12T82R	3512	16.7	63	11	122	19.5	34.3
31	Maxo R2	3442	16.7	64	13	122	17.5	36.8

Site Summaries

The following are the Analysis of variance tables for each of the four sites for the Conventional and RR soybean tests. Please refer to Appendix A for scale definitions.

Table 15. AOV Table for Conventional Soybean Variety Evaluation – Canning, NS

Entry No.	Entry Name	Yield kg/ha		100 Seed Wt g		Plant Ht. cm		Pod Ht. cm		Maturity DAP		Oil %		Protein %	
1	Tundra	3475	def	18	hij	69	gh	12	abc	103		16.8	d-h	40.2	c-h
2	AAC Mandor	3620	b-f	18.2	g-j	73	e-h	13	abc	110		16.4	fgh	37.8	g-j
3	DH413	3625	b-f	18.3	g-j	83	b-g	13	abc	106		16.4	fgh	42.9	abc
4	DH863	3415	ef	17.5	ijk	76	c-h	13	abc	106		16.7	d-h	42.3	b-e
5	Misty	3756	a-f	16.1	k	77	c-h	14	abc	109		17.7	a-g	40.8	c-h
6	Jari	3581	c-f	18.1	g-j	85	b-f	16	a	114		16.4	fgh	44.1	ab
7	Amadeus	3215	f	17.5	ijk	73	d-h	11	c	107		16.7	d-h	42.7	a-d
8	DH401	3414	ef	18.4	f-j	79	c-h	12	abc	108		16.1	h	45.2	a
9	Toma	3545	c-f	19.2	c-i	73	e-h	12	abc	116		18.3	a-d	39	f-j
10	Astor	3804	a-e	20.4	a-d	71	fgh	11	bc	113		18.1	a-d	37.6	hij
11	SVX14T00S3	3961	a-e	20.2	b-e	66	h	12	abc	114		17.4	b-h	38.8	f-j
12	Narita	3618	b-f	20.5	abc	72	fgh	12	abc	113		18.2	a-d	38.9	f-j
13	DH420	3792	a-e	20.1	b-f	73	d-h	16	ab	111		17	c-h	40.9	c-g
14	DH618	4310	a	19.2	c-i	83	b-g	13	abc	112		18.5	abc	38.1	g-j
15	Celebrity	3990	a-e	18	hij	69	gh	12	abc	111		18	a-e	39.4	e-j
16	PSX12C62S	3862	a-e	17.1	jk	88	a-d	11	bc	113		16.3	gh	44.2	ab
17	CFS09.5.01	3947	a-e	21.7	a	79	c-h	12	abc	114		17.5	b-h	41.5	c-f
18	Etna	3764	a-f	19.5	c-h	75	c-h	12	abc	119		18.5	abc	38.1	g-j
19	HX 04C54	4008	a-d	18.3	g-j	87	a-e	12	abc	118		18.2	a-d	37.6	hij
20	Taurus	3541	c-f	18.8	d-j	98	a	13	abc	111		16.5	e-h	42.6	bcd
21	Savanna	3836	a-e	18.8	c-i	83	b-g	16	a	110		18	a-f	38.8	f-j
22	S03-W4	3784	a-e	19.5	c-h	77	c-h	13	abc	110		18.3	a-d	40.3	c-h
23	CFS13.5.01CV	4177	ab	20.1	b-e	77	c-h	10	c	113		17.9	a-f	40.6	c-h
24	Madison	4109	abc	17.5	ijk	82	b-g	10	c	113		19.2	a	36.6	j
25	HX 07C55	3833	a-e	16.1	k	88	abc	12	abc	118		18.5	abc	36.5	j
26	PR1309613	3742	a-f	20.3	b-e	84	b-f	11	c	111		17.9	a-f	41	c-g
27	Saska	3681	b-f	16.5	k	75	c-h	11	c	117		18.9	ab	38.3	f-j
28	S07-M8	4016	a-d	21.2	ab	79	c-h	11	bc	118		17	c-h	40.8	c-h
29	HS 09C02	4068	abc	19.4	c-h	72	fgh	13	abc	114		17.7	a-h	36.9	ij
30	HX 09C56	3934	a-e	14.4	l	82	b-g	12	abc	118		18.8	ab	39.5	e-j
31	Acora	4031	a-d	18.7	e-j	87	a-e	12	abc	118		18.2	a-d	37.7	g-j
32	Hannah	3630	b-f	19.8	b-g	85	b-f	12	abc	118		17.3	b-h	38.9	f-j
33	Inwood Vinton	3608	b-f	19	c-i	95	ab	13	abc	122		17	c-h	39.9	d-i
LSD (P=.05)		***313.5***		***0.98***		***7.9***		***2.4***		**.**		***0.86***		***1.77***	
Std Dev		***223.9***		***0.7***		***5.7***		***1.7***		**.**		***0.62***		***1.26***	
CV		***5.93***		***3.76***		***7.16***		***14.17***		**.**		***3.5***		***3.16***	

Means followed by same letter do not significantly differ (P=.05, LSD)

Table 16. AOV Table for Conventional Soybean Variety Evaluation – Truro, NS

Entry No.	Entry Name	Yield kg/ha		100 Seed Wt g		Plant Ht. cm		Pod Ht. cm		Maturity DAP		Oil %		Protein %	
1	Tundra	2886	cd	16.6	e-h	64	g	11	a	108		17.4	f-j	36.9	def
2	AAC Mandor	3857	ab	17.4	c-f	72	b-g	13	a	116		17.7	d-j	34.2	gh
3	DH413	3759	ab	17.2	d-g	73	b-g	12	a	113		16	k	42.1	a
4	DH863	3733	ab	17.2	d-g	75	b-g	13	a	114		16.6	h-k	42.3	a
5	Misty	3911	ab	16	hi	80	b-e	13	a	111		17.8	d-i	38.8	bcd
6	Jari	3360	bc	16.4	f-i	77	b-g	14	a	115		17.6	e-j	39.8	bc
7	Amadeus	3330	bc	16.3	ghi	75	b-g	11	a	115		17	g-k	42	a
8	DH401	3847	ab	17.9	bcd	76	b-g	14	a	113		16.5	ijk	42.4	a
9	Toma	3611	abc	17.9	bcd	67	efg	11	a	115		19	a-d	36.5	def
10	Astor	3816	ab	17.8	bcd	72	b-g	12	a	115		18.8	b-e	36.9	def
11	SVX14T00S3	3660	abc	17.1	d-g	65	fg	12	a	116		17.9	b-g	38	b-e
12	Narita	3439	bc	18.2	abc	76	b-g	12	a	117		19.2	abc	36.9	def
13	DH420	3634	abc	18.5	ab	77	b-g	14	a	114		18.1	b-g	38.2	b-e
14	DH618	4292	a	17.7	bcd	79	b-f	14	a	117		19	a-d	35.7	efg
15	Celebrity	3655	abc	15.6	ij	71	d-g	12	a	116		18.2	b-g	38.8	bcd
16	PSX12C62S	3378	bc	15.8	hi	84	a-d	14	a	116		16.9	g-k	39.8	bc
17	CFS09.5.01	3777	ab	18.9	a	83	a-d	13	a	117		18.5	b-f	38.9	bcd
18	Etna	3400	bc	17.5	cde	67	efg	11	a	116		19.3	ab	34.9	fgh
19	HX 04C54	3507	abc	16.1	hi	79	b-f	14	a	118		19	a-d	37	def
20	Taurus	3238	bc	17.7	bcd	94	a	13	a	116		16.9	g-k	40.3	ab
21	Savanna	3574	abc	17.2	d-g	78	b-g	12	a	116		18.2	b-g	37.3	c-f
22	S03-W4	3910	ab	18.2	abc	75	b-g	11	a	116		19	a-d	37.6	cde
23	CFS13.5.01CV	3428	bc	16.7	e-h	77	b-g	11	a	118		17.9	c-h	39	bcd
24	Madison	3530	abc	16.1	hi	83	a-d	11	a	117		20	a	33.3	h
25	HX 07C55	3394	bc	14.4	k	80	b-e	12	a	121		18.7	b-e	36.4	def
26	PR1309613	3556	abc	18.8	a	83	a-d	12	a	118		18.6	b-f	37.8	b-e
27	Saska	3285	bc	15.1	j	71	c-g	13	a	117		18.4	b-f	37.1	def
28	S07-M8	3796	ab	18.8	a	73	b-g	12	a	117		17.4	f-j	38.5	bcd
29	HS 09C02	3180	bc	16.5	fgh	73	b-g	12	a	118		17.3	f-j	37.1	def
30	HX 09C56	3616	abc	14.2	k	79	b-f	11	a	117		20.1	a	36.9	def
31	Acora	3302	bc	16.7	e-h	85	abc	11	a	118		18.4	b-f	37.9	b-e
32	Hannah	3190	bc	17.2	d-g	84	a-d	12	a	119		16.5	jk	38.9	bcd
33	Inwood Vinton	2459	d	16.3	ghi	86	ab	11	a	124		15.3	l	40.3	ab
LSD (P=.05)		***445.3***		***0.59***		***7.7***		***3.1***				***0.76***		***1.53***	
Std Dev		***318***		***0.42***		***5.5***		***2.2***				***0.55***		***1.09***	
CV		***9.02***		***2.48***		***7.17***		***18.17***				***3.03***		***2.87***	

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Table 17. AOV Table for Conventional Soybean Variety Evaluation – Harrington, PEI

Entry No.	Entry Name	Yield kg/ha		100 Seed Wt g		Plant Ht. cm		Pod Ht. cm		Maturity DAP		Oil %		Protein %	
1	Tundra	1130	i	18.3	hij	32	g	4	abc	105	p	16.8	jk	36.4	cde
2	AAC Mandor	1650	h	18.9	f-i	34	fg	4	abc	113	o	18.3	d-j	34.2	e-h
3	DH413	2500	a-d	19.9	def	44	a-e	4	abc	117	n	17.9	f-k	38.4	bcd
4	DH863	2279	a-f	19.5	d-g	40	def	4	abc	118	mn	18.6	c-j	38.7	bc
5	Misty	1915	e-h	16.6	m	44	a-e	4	abc	118	lmn	18.4	d-j	36.9	b-e
6	Jari	2464	a-d	18.9	f-i	46	a-e	5	ab	121	ijk	18.2	e-k	39.5	b
7	Amadeus	2173	b-f	18.1	ijk	47	a-e	5	abc	118	lmn	16.5	k	42.3	a
8	DH401	2487	a-d	19.9	def	43	a-e	5	ab	118	lmn	17.2	ijk	38.4	bcd
9	Toma	1852	fgh	19.5	d-g	39	ef	3	abc	118	lmn	20	a-e	34.4	e-h
10	Astor	2110	c-g	21.2	b	41	c-f	3	abc	120	kl	19.4	b-g	35.4	efg
11	SVX14T00S3	2762	a	20.2	cde	44	a-e	5	abc	121	ijk	18.7	c-i	35.8	d-g
12	Narita	2308	a-f	19.8	def	45	a-e	5	ab	121	jk	19.6	b-g	35	efg
13	DH420	2316	a-f	19.9	def	48	a-e	5	ab	120	klm	19	b-i	36.7	cde
14	DH618	2436	a-d	18.9	f-i	42	b-e	6	a	120	klm	19.2	b-h	34.4	e-h
15	Celebrity	2322	a-f	17.3	klm	43	a-e	4	abc	121	ijk	19.8	a-f	36.4	cde
16	PSX12C62S	2639	ab	17.8	jkl	51	a	4	abc	122	g-k	18.5	d-j	38.9	bc
17	CFS09.5.01	2402	a-e	20.9	bc	45	a-e	5	abc	123	d-h	18	f-k	38.4	bcd
18	Etna	2458	a-d	20.4	bcd	45	a-e	4	abc	121	h-k	20	a-e	33.2	fgh
19	HX 04C54	2542	abc	18.4	hij	48	a-d	5	ab	125	d	19.1	b-h	34	e-h
20	Taurus	2428	a-d	19.8	def	49	abc	5	ab	124	d-g	18	f-k	39.4	b
21	Savanna	2429	a-d	19.7	def	44	a-e	4	abc	121	ijk	19.5	b-g	34.2	e-h
22	S03-W4	2019	d-h	20	def	44	a-e	4	abc	121	h-k	20.4	abc	34.5	efg
23	CFS13.5.01CV	2013	d-h	18.5	g-j	41	c-f	2	c	122	f-k	19.4	b-g	35.1	efg
24	Madison	2337	a-f	18.5	g-j	43	a-e	3	bc	124	de	21.2	a	31.7	h
25	HX 07C55	2087	c-g	15.7	n	48	a-e	4	abc	121	h-k	18.8	c-i	34	e-h
26	PR1309613	2174	b-f	20.4	bcd	46	a-e	4	abc	123	d-h	19	b-i	35.8	d-g
27	Saska	2274	a-f	17	lm	43	a-e	5	ab	122	e-j	20.2	a-d	34.3	e-h
28	S07-M8	2390	a-e	22.1	a	42	b-e	4	abc	123	d-i	17.7	g-k	38.3	bcd
29	HS 09C02	2252	a-f	17.4	klm	40	def	3	abc	124	def	18.7	c-i	32.8	gh
30	HX 09C56	2496	a-d	15.5	n	46	a-e	4	abc	125	d	20.7	ab	35.1	efg
31	Acora	2656	ab	19.2	e-h	50	ab	5	abc	127	c	19	b-i	34.2	e-h
32	Hannah	1663	h	19.4	d-h	47	a-e	4	abc	129	b	18.1	e-k	35.9	def
33	Inwood Vinton	1706	gh	18.7	g-j	44	a-e	4	abc	135	a	17.3	h-k	36.3	cde
LSD (P=.05)		***277.4***		***0.63***		***4.8***		***1.4***		***1.4***		***1.03***		***1.64***	
Std Dev		***198.1***		***0.45***		***3.4***		***1***		***1***		***0.5***		***0.8***	
CV		***8.88***		***2.38***		***7.79***		***24.55***		***0.8***		***2.67***		***2.22***	

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

RoundUp Ready < 2550 HU Variety Evaluation Site Summaries

Table 18. AOV Table for RoundUp Ready < 2550 HU Soybean Variety Evaluation – Canning, NS

Entry No.	Entry Name	Yield kg/ha		100 Seed Wt g		Plant Ht. cm		Pod Ht. cm		Maturity DAP		Oil %		Protein %	
1	NSC LIBAU RR2Y	3961	bcd	18.1	c-f	61	d-g	12	b-f	103		19.2	ab	39	abc
2	23-11RY	4164	a-d	16.2	hi	65	b-g	12	b-f	103		18.9	a-e	35.8	d
3	Pekko R2	4206	abc	17.8	d-g	64	b-g	13	b-e	104		19.1	abc	37.5	bcd
4	23-10RY	3612	cd	20.3	a	59	efg	10	f	102		17.5	b-g	38.6	a-d
5	CFS13.2.01R2	4428	ab	17.1	f-i	65	b-g	15	bc	105		18	a-g	36.9	cd
6	23-60RY	4085	a-d	17.5	e-i	66	b-g	11	c-f	104		19	abc	38.1	a-d
7	Hero R2	4550	ab	17.3	f-i	68	b-f	10	ef	111		18.5	a-g	40.4	a
8	McLeod R2	4117	a-d	18.2	c-f	65	b-g	12	b-f	106		19.4	a	37.9	a-d
9	Akras R2	4324	abc	20.1	ab	63	c-g	18	a	107		17.8	a-g	37.8	a-d
10	Sampsa R2	4415	ab	18.6	c-f	60	efg	10	def	105		16.8	g	39	abc
11	24-10RY	4365	abc	19.1	a-e	56	g	11	def	106		17.2	efg	37.4	bcd
12	24-11RY	3990	bcd	17.7	d-h	67	b-g	11	def	107		18.5	a-g	37.6	bcd
13	900Y61	4265	abc	19.1	a-e	59	efg	10	def	106		17.2	fg	39	abc
14	S00-B7	4104	a-d	18.4	c-f	80	a	15	b	106		18.6	a-f	39.5	abc
15	HS 006RYS24	4234	abc	17.8	d-g	70	b-e	11	def	105		17.9	a-g	38.2	a-d
16	Vito R2	4170	a-d	16.4	ghi	76	ab	10	def	104		18.6	a-f	39.8	ab
17	PRO 2525R2	4318	abc	19.7	abc	74	abc	11	c-f	110		18	a-g	39.9	ab
18	S007-Y4	4252	abc	17.3	f-i	59	fg	14	bcd	107		18.3	a-g	38.1	a-d
19	24-61RY	4804	a	17.2	f-i	68	b-f	11	def	106		19	a-d	39.4	abc
20	HS 007RY32	4638	ab	19.6	abc	68	b-g	12	b-f	113		19	a-d	36.8	cd
21	25-10RY	4562	ab	18.1	c-f	72	a-d	12	b-f	108		17.3	d-g	38.6	abc
22	PS 0083R2	3477	d	19.6	abc	65	b-g	11	def	109		18.6	a-f	37.9	a-d
23	NSC OSBORNE RR2Y	4668	ab	18.7	b-f	72	a-d	13	b-e	113		17.5	b-g	38.3	a-d
24	LS008R21	4457	ab	18.1	c-f	66	b-g	13	b-f	108		18.2	a-g	38.3	a-d
25	Astro R2	4348	abc	17.5	e-i	74	abc	10	def	111		17.4	c-g	38.9	abc
26	90Y01	4434	ab	17.4	e-i	65	b-g	14	bcd	108		19	a-d	36.9	cd
27	PS 0074R2	4292	abc	15.9	i	69	b-f	12	c-f	109		18.4	a-g	36.8	cd
28	CFS12.5.01R2	4385	abc	19.4	a-d	74	abc	11	def	110		17.4	b-g	38.2	a-d
29	NSC Jaden RR2Y	4234	abc	18.4	c-f	61	d-g	12	b-f	103		18.4	a-g	39.4	abc
30	P01T23R	4608	ab	18.1	c-f	61	d-g	12	b-f	109		18.1	a-g	38.4	a-d
31	S00-T9	3945	bcd	17.9	d-g	64	b-g	12	c-f	109		18.4	a-g	37.6	bcd
LSD (P=.05)		***425.9***		***0.95***		***6.4***		***1.9***				***0.94***		***1.51***	
Std Dev		***301.1***		***0.67***		***4.5***		***1.3***				***0.67***		***1.07***	
CV		***7.05***		***3.72***		***6.81***		***11.14***				***3.66***		***2.79***	

Means followed by same letter do not significantly differ (P=.05, LSD)

Table 19. AOV Table for RoundUp Ready < 2550 HU Soybean Variety Evaluation – Truro, NS

Entry No.	Entry Name	Yield kg/ha		100 Seed Wt g		Plant Ht. cm		Pod Ht. cm		Maturity DAP		Oil %		Protein %	
1	NSC LIBAU RR2Y	3824	a-e	17.7	c-h	66	d-i	11	a	110		18	d-h	38.6	a
2	23-11RY	3761	a-f	16.6	hij	62	ghi	11	a	112		18.8	b-f	35	c-f
3	Pekko R2	3665	a-f	17.5	e-i	64	e-i	12	a	112		19.4	abc	35.9	a-f
4	23-10RY	3038	f	19.2	ab	57	i	9	a	111		18.2	c-h	38.3	a
5	CFS13.2.01R2	4414	a	16.1	jk	72	c-g	12	a	113		19	a-f	34.5	ef
6	23-60RY	4046	a-d	17.3	e-j	77	a-d	12	a	109		17.8	fgh	36.8	a-f
7	Hero R2	3535	b-f	16.1	jk	69	c-h	10	a	112		19	a-f	35.8	a-f
8	McLeod R2	3598	a-f	18.2	b-e	72	c-g	9	a	111		18.8	b-f	36.5	a-f
9	Akras R2	4008	a-d	17.6	d-i	63	f-i	14	a	113		17.9	e-h	35.4	b-f
10	Sampsa R2	4385	ab	17.4	e-i	65	e-i	11	a	117		17.3	gh	36.1	a-f
11	24-10RY	4305	ab	17.4	e-i	65	e-i	10	a	117		17.1	h	36.6	a-f
12	24-11RY	3159	ef	16.9	f-j	68	c-h	10	a	110		18.1	d-h	35.9	a-f
13	900Y61	3812	a-e	17.7	c-h	61	hi	10	a	111		17.8	fgh	36.8	a-f
14	S00-B7	3381	c-f	16.9	f-j	75	a-e	12	a	112		18.7	b-f	36.7	a-f
15	HS 006RYS24	3535	b-f	17.9	c-g	67	c-h	10	a	113		18.4	c-g	36.8	a-f
16	Vito R2	3355	def	16.1	jk	78	abc	10	a	110		20	a	37.3	a-e
17	PRO 2525R2	3971	a-d	19.5	a	83	a	11	a	114		18.8	b-f	37.4	a-d
18	S007-Y4	4012	a-d	16.7	g-j	66	d-i	14	a	112		19.1	a-e	36.5	a-f
19	24-61RY	3975	a-d	17.2	e-j	74	a-e	11	a	117		18.8	a-f	37.8	abc
20	HS 007RY32	3975	a-d	18.7	a-d	69	c-h	13	a	113		19.3	a-d	36.2	a-f
21	25-10RY	4401	a	18.2	b-e	71	c-h	11	a	114		18.5	c-f	37.2	a-e
22	PS 0083R2	3167	ef	18.3	b-e	73	b-f	11	a	115		19.9	ab	35.2	b-f
23	NSC OSBORNE RR2Y	4226	abc	18.8	abc	82	ab	12	a	115		18.1	c-h	36.2	a-f
24	LS008R21	4134	a-d	16.8	g-j	74	a-e	11	a	115		19.2	a-e	35.1	c-f
25	Astro R2	4083	a-d	17.1	e-j	76	a-d	11	a	117		18.3	c-g	36.8	a-f
26	90Y01	4021	a-d	16.4	ij	72	c-g	11	a	111		19.9	ab	34.1	f
27	PS 0074R2	4381	ab	15.4	k	72	c-g	10	a	114		19.2	a-e	34.8	def
28	CFS12.5.01R2	4113	a-d	17.7	c-h	75	a-e	11	a	115		19.8	ab	36.8	a-f
29	NSC Jaden RR2Y	4326	ab	16.5	hij	78	abc	12	a	113		19.3	a-d	36.7	a-f
30	P01T23R	4167	a-d	17.4	e-i	60	hi	10	a	117		19.1	a-e	34.9	def
31	S00-T9	3933	a-e	18.1	c-f	69	c-h	11	a	117		18.8	a-f	38	ab
LSD (P=.05)		***463.9***		***0.71***		***6***		***3.5***				***0.7***		***1.54***	
Std Dev		***328.1***		***0.5***		***4.3***		***2.5***				***0.5***		***1.09***	
CV		***8.43***		***2.89***		***6.09***		***22.33***				***2.66***		***2.99***	

Means followed by same letter do not significantly differ (P=.05, LSD)

Table 20. AOV Table for RoundUp Ready < 2550 HU Soybean Variety Evaluation – Harrington, PEI

Entry No.	Entry Name	Yield kg/ha		100 Seed Wt g		Plant Ht. cm		Pod Ht. cm		Maturity DAP		Oil %		Protein %	
1	NSC LIBAU RR2Y	1696	d-i	18.6	ab	34	c-f	6	a	113	e-h	18.9	a-f	36.9	a-d
2	23-11RY	1351	hi	15.9	b	32	def	4	a	107	j	18.8	a-f	35	b-e
3	Pekko R2	1610	f-i	17	ab	35	b-f	5	a	107	j	18.2	b-g	36.2	a-d
4	23-10RY	1256	i	19.3	ab	31	ef	4	a	107	j	17.6	fg	38.1	abc
5	CFS13.2.01R2	1624	f-i	13.7	c	31	f	5	a	110	hi	19.1	a-f	35.3	b-e
6	23-60RY	1783	c-h	17.8	ab	39	a-f	4	a	110	i	17.8	d-g	37.1	a-d
7	Hero R2	1646	e-i	17.4	ab	36	b-f	4	a	118	ab	18	c-g	37.2	a-d
8	McLeod R2	1705	d-i	18.4	ab	39	a-f	6	a	111	f-i	18.2	b-g	35.6	b-e
9	Akras R2	1815	b-h	18.7	ab	36	a-f	7	a	111	ghi	17.7	efg	34.7	de
10	Sampsa R2	1841	b-h	18.9	ab	33	def	5	a	112	e-i	17.4	fg	34.4	de
11	24-10RY	1643	e-i	19.1	ab	31	f	5	a	112	e-i	17.7	efg	36.2	a-d
12	24-11RY	1771	c-h	17.6	ab	36	b-f	5	a	115	b-e	17.3	fg	36.9	a-d
13	900Y61	1447	ghi	18.1	ab	36	a-f	5	a	113	e-h	16.9	g	38.4	ab
14	S00-B7	2065	a-f	17.7	ab	39	a-f	7	a	114	def	19.7	a-e	36.3	a-d
15	HS 006RYS24	1779	c-h	18.7	ab	36	a-f	4	a	115	b-e	18.5	a-g	37.6	a-d
16	Vito R2	1539	f-i	16.7	ab	36	a-f	6	a	113	e-i	19.8	abc	39.3	a
17	PRO 2525R2	2157	a-e	20	a	40	a-f	6	a	117	a-d	18.8	a-f	37.4	a-d
18	S007-Y4	2289	abc	18	ab	39	a-f	7	a	114	cde	18.6	a-g	35.3	b-e
19	24-61RY	1952	a-g	18.3	ab	32	def	5	a	117	a-d	18.8	a-f	36.8	a-d
20	HS 007RY32	2016	a-f	19.3	ab	33	def	5	a	114	d-g	19.1	a-f	35.6	b-e
21	25-10RY	2245	abc	18.9	ab	46	a	4	a	119	a	19	a-f	35	cde
22	PS 0083R2	1958	a-g	19.5	ab	39	a-f	4	a	119	a	20.2	a	35.8	bcd
23	NSC OSBORNE RR2Y	2441	a	19.6	ab	43	abc	6	a	118	a	18.7	a-f	36.9	a-d
24	LS008R21	2431	a	18.5	ab	41	a-e	6	a	119	a	20	abc	34.7	de
25	Astro R2	1939	a-g	17.7	ab	38	a-f	4	a	119	a	18.1	b-g	34.5	de
26	90Y01	1829	b-h	17.6	ab	33	c-f	4	a	115	b-e	20.1	ab	34.7	de
27	PS 0074R2	2238	abc	16.4	ab	39	a-f	4	a	118	ab	19.8	abc	35.7	bcd
28	CFS12.5.01R2	2286	abc	18.2	ab	40	a-f	6	a	118	ab	19.8	a-d	35.2	b-e
29	NSC Jaden RR2Y	2449	a	17.1	ab	41	a-d	6	a	119	a	19.7	a-d	34.5	de
30	P01T23R	2314	ab	18.2	ab	37	a-f	5	a	117	ab	19.2	a-f	32.5	e
31	S00-T9	2182	a-d	19.1	ab	44	ab	6	a	117	abc	18.5	a-g	36.8	a-d
LSD (P=.05)		***296.8***		***2.01***		***5.4***		***2.2***		***1.9***		***1.03***		***1.79***	
Std Dev		***209.9***		***1.42***		***3.8***		***1.6***		***1.3***		***0.51***		***0.88***	
CV		***10.97***		***7.86***		***10.28***		***31.43***		***1.15***		***2.7***		***2.43***	

Means followed by same letter do not significantly differ (P=.05, LSD)

Table 21. AOV Table for RoundUp Ready < 2550 HU Soybean Variety Evaluation – Hartland, NB

Entry No.	Entry Name	Yield kg/ha		100 Seed Wt g		Plant Ht. cm		Maturity DAP		Oil %		Protein %	
1	NSC LIBAU RR2Y	3106	a-d	16.2	d-j	62	a-e	101	de	19.1	a-d	39.7	a
2	23-11RY	3074	a-d	15.2	i-l	56	de	105	b-e	19.1	a-d	35.7	a
3	Pekko R2	3220	a-d	15.6	f-l	63	a-e	100	e	18.3	a-d	37.3	a
4	23-10RY	3007	a-d	18.2	a	56	de	100	e	17.8	a-d	39.6	a
5	CFS13.2.01R2	3335	abc	14.9	jkl	64	a-e	107	abc	19.1	a-d	36	a
6	23-60RY	3181	a-d	15.4	g-l	66	a-e	101	de	17.3	d	38.7	a
7	Hero R2	3316	abc	15.7	f-k	66	a-e	111	a	18.3	a-d	37.3	a
8	McLeod R2	2817	bcd	17.6	abc	64	a-e	106	a-d	18.4	a-d	37.8	a
9	Akras R2	3400	abc	16.7	b-g	54	e	108	abc	18.3	a-d	37.9	a
10	Sampsa R2	3482	abc	16.7	b-h	58	cde	109	abc	17.4	cd	36.4	a
11	24-10RY	3571	ab	16.2	d-j	57	cde	106	a-d	17	d	36.5	a
12	24-11RY	2702	cd	15.8	e-k	55	de	107	abc	18.3	a-d	37	a
13	900Y61	3427	abc	17.2	a-d	57	cde	106	a-d	18	a-d	35.5	a
14	S00-B7	3296	abc	15.8	e-k	74	abc	105	a-d	19.3	a-d	36.2	a
15	HS 006RYS24	3529	abc	16.4	c-i	68	a-e	108	abc	17.1	d	39.1	a
16	Vito R2	3406	abc	14.4	l	77	a	107	abc	20.2	a	38.7	a
17	PRO 2525R2	3375	abc	17.8	ab	64	a-e	109	abc	18.8	a-d	36.5	a
18	S007-Y4	3578	ab	16.5	c-i	56	de	104	cde	18.4	a-d	36.8	a
19	24-61RY	3269	abc	17.1	a-e	68	a-e	108	abc	19.4	a-d	39.1	a
20	HS 007RY32	3284	abc	17.7	abc	61	a-e	109	abc	19.1	a-d	35.7	a
21	25-10RY	3833	a	17.2	a-d	70	a-e	110	ab	17.7	bcd	38.3	a
22	PS 0083R2	2490	d	17.9	ab	67	a-e	111	a	19.1	a-d	35.2	a
23	NSC OSBORNE RR2Y	3561	ab	18	ab	66	a-e	110	ab	18.1	a-d	37.7	a
24	LS008R21	3461	abc	15.1	i-l	72	a-d	110	ab	18.2	a-d	37.9	a
25	Astro R2	3620	ab	15.9	e-k	70	a-e	111	a	18.6	a-d	36.6	a
26	90Y01	3354	abc	14.6	kl	55	e	108	abc	20	ab	34.8	a
27	PS 0074R2	3844	a	12.9	m	71	a-e	110	ab	19.2	a-d	35.8	a
28	CFS12.5.01R2	3303	abc	17.5	a-d	75	ab	111	a	19.7	abc	37.4	a
29	NSC Jaden RR2Y	3662	a	15.3	h-l	66	a-e	109	abc	18.8	a-d	36.1	a
30	P01T23R	3503	abc	15.6	f-l	58	b-e	107	abc	17.5	cd	36.7	a
31	S00-T9	3161	a-d	16.9	b-f	65	a-e	111	a	17.5	cd	38.5	a
LSD (P=.05)		***458.9***		***0.77***		***9.3***		***3.4***		***1.29***		***2.75***	
Std Dev		***324.5***		***0.38***		***6.6***		***2.4***		***0.63***		***1.34***	
CV		***9.75***		***2.34***		***10.29***		***2.21***		***3.41***		***3.62***	

Means followed by same letter do not significantly differ (P=.05, LSD)

RoundUp Ready > 2550 HU Variety Evaluation Site Summaries

Table 22. AOV Table for RoundUp Ready > 2550 HU Soybean Variety Evaluation – Canning, NS

Entry No.	Entry Name	Yield kg/ha		100 Seed Wt g		Plant Ht. cm		Pod Ht. cm		Maturity DAP		Oil %		Protein %	
1	Ekurana R2	4622	a-d	16.6	klm	78	b-f	13	bc	111		18.4	b-e	37.7	abc
2	CFS13.3.01 R2	4611	a-d	17.6	g-k	77	b-f	14	bc	111		20	a	36.2	bcd
3	PRO 2535R2	4624	a-d	19.8	b	85	ab	13	bc	113		18.5	b-e	38.1	abc
4	26-12RY	4922	ab	17.4	h-k	76	b-g	13	bc	114		17.8	cde	36.8	a-d
5	PS 0242 R2	4281	cd	15.8	no	74	b-g	14	bc	111		18.5	b-e	36.4	bcd
6	Theo R2	4669	abc	16.9	i-l	84	abc	13	bc	112		17.8	cde	38.2	abc
7	CF01GR	4455	bcd	17	i-l	67	f-i	13	bc	114		18.7	b-e	39.3	ab
8	Colt R2	4437	bcd	14.8	p	78	b-f	14	bc	111		19	a-d	38	abc
9	HS 03RY33	5115	a	18.4	d-g	82	a-e	17	ab	116		18.6	b-e	38.7	abc
10	26-10RY	4771	abc	16	mno	62	hi	15	bc	113		17.7	de	36.8	a-d
11	PRO 2625R2	4747	abc	19.4	bcd	77	b-f	12	c	115		18.2	b-e	37.3	a-d
12	PRO 2635R2	4628	a-d	16.4	lmn	81	a-e	14	bc	115		17.9	b-e	39	ab
13	S04-D3	4500	a-d	18.2	e-h	72	d-h	12	bc	115		18	b-e	38.1	abc
14	HS 05RYS25	4799	abc	17.7	f-j	73	c-h	16	abc	114		17.3	e	36.8	a-d
15	P06T28R	4833	abc	18.4	d-g	72	c-h	15	abc	117		19.1	a-d	38	abc
16	PS 0416 R2	4605	a-d	17	i-l	72	d-h	12	c	116		18.8	a-d	38.4	abc
17	Camaro R2	4505	a-d	15.5	o	66	f-i	12	bc	114		17.7	de	39.2	ab
18	27-12RY	5089	a	18.5	d-g	83	a-d	19	a	117		18	b-e	39.8	a
19	Mundo R2	4870	abc	19.6	bc	71	d-h	13	bc	118		17.8	cde	39.4	ab
20	Nitro R2	4562	a-d	19.9	b	82	a-e	11	c	116		19.3	abc	38.6	abc
21	NSC CARIBOU RR2Y	5081	a	16.8	i-m	80	a-e	13	bc	115		17.6	de	39.8	a
22	S07-B6	4798	abc	16.7	j-m	70	d-h	12	bc	118		18.4	b-e	37.3	a-d
23	90Y90	4720	abc	18.9	cde	70	e-h	14	bc	118		17.9	b-e	38.2	abc
24	PS 0650 R2	4069	d	21	a	59	i	13	bc	115		19	a-d	38.5	abc
25	CF12GR	4885	abc	18.8	cde	80	a-e	15	abc	116		17.7	cde	38.8	abc
26	5091 RR2Y	4944	ab	17.3	h-l	89	a	15	abc	117		18.3	b-e	38.5	abc
27	HS 09RYS12	5016	ab	17.8	f-i	71	d-h	13	bc	118		18	b-e	38	abc
28	91Y01	5101	a	18.6	def	79	a-e	15	bc	118		18.3	b-e	35.6	cd
29	S10-P9	4756	abc	19.4	bcd	65	ghi	11	c	118		17.7	de	37.6	a-d
30	P12T82R	5111	a	18.7	cde	77	b-f	15	abc	118		19.4	ab	34.7	d
31	Maxo R2	4912	ab	17.8	f-i	74	b-g	19	a	118		17.8	cde	37.9	abc
LSD (P=.05)		***338.2***		***0.63***		***6.8***		***2.5***				***0.83***		***1.8***	
Std Dev		***239.2***		***0.44***		***4.8***		***1.8***				***0.59***		***1.27***	
CV		***5.04***		***2.48***		***6.39***		***12.99***				***3.2***		***3.36***	

Means followed by same letter do not significantly differ (P=.05, LSD)

Table 23. AOV Table for RoundUp Ready > 2550 HU Soybean Variety Evaluation – Truro, NS

Entry No.	Entry Name	Yield kg/ha		100 Seed Wt g		Plant Ht. cm		Pod Ht. cm		Maturity DAP		Oil %		Protein %	
1	Ekurana R2	3836	a-g	15.4	f-j	79	abc	11	a	116		19	a-e	36.7	d-g
2	CFS13.3.01 R2	4411	a	17.5	b	78	abc	12	a	115		20.3	a	36.3	d-g
3	PRO 2535R2	3886	a-g	18.4	a	80	ab	13	a	117		19.3	abc	36.2	efg
4	26-12RY	3939	a-g	15.5	f-j	77	abc	11	a	118		17.7	c-i	38.2	b-e
5	PS 0242 R2	3633	d-g	15.4	f-k	71	b-e	11	a	115		18	b-i	37.4	c-g
6	Theo R2	3583	d-g	16	d-h	78	abc	14	a	117		17	ghi	37.7	b-g
7	CF01GR	3563	d-g	15.9	d-i	70	b-e	11	a	120		17.8	c-i	38.8	a-e
8	Colt R2	4001	a-f	14.9	h-l	73	b-e	12	a	116		19.5	ab	36.3	d-g
9	HS 03RY33	4018	a-e	16.7	b-e	79	abc	13	a	119		18.7	b-f	37.5	c-g
10	26-10RY	4323	abc	14.2	kl	66	de	11	a	117		18	b-i	37.3	c-g
11	PRO 2625R2	3621	d-g	17.3	b	72	b-e	14	a	118		18.7	b-f	36.6	d-g
12	PRO 2635R2	3910	a-g	15.3	f-k	78	abc	11	a	118		19.2	a-d	38.0	b-f
13	S04-D3	3968	a-g	16.9	bcd	70	b-e	11	a	116		17.9	c-i	38.6	a-e
14	HS 05RYS25	3840	a-g	14.7	i-l	72	b-e	11	a	118		17.8	c-i	37.6	c-g
15	P06T28R	3906	a-g	16	d-h	72	b-e	16	a	118		18.5	b-h	37.5	c-g
16	PS 0416 R2	4324	ab	15.1	g-l	69	b-e	15	a	118		18.6	b-g	40.5	ab
17	Camaro R2	3906	a-g	14.1	l	66	de	13	a	119		17	f-i	40.0	abc
18	27-12RY	4204	a-d	15.9	d-i	83	a	16	a	119		18.4	b-h	39.2	a-d
19	Mundo R2	3728	b-g	16.6	b-e	71	b-e	10	a	120		16.9	hi	37.6	c-g
20	Nitro R2	3914	a-g	18.4	a	79	abc	13	a	118		17.8	c-i	35.0	g
21	NSC CARIBOU RR2Y	3521	efg	15	h-l	80	abc	13	a	119		17.5	e-i	38.4	a-e
22	S07-B6	3641	d-g	14.4	jkl	72	b-e	10	a	122		17.6	d-i	35.2	fg
23	90Y90	3708	b-g	16.2	c-g	69	cde	11	a	121		17.5	e-i	35.2	fg
24	PS 0650 R2	3724	b-g	17.2	bc	62	e	11	a	117		16.6	i	38.2	b-e
25	CF12GR	3677	c-g	16.5	b-f	78	abc	15	a	120		16.6	i	41.0	a
26	5091 RR2Y	3343	g	15.5	f-j	79	abc	11	a	120		17.7	c-i	37.1	c-g
27	HS 09RYS12	3703	b-g	15.1	g-l	65	e	12	a	123		17.2	f-i	38.0	b-f
28	91Y01	3757	b-g	15.6	e-i	79	abc	11	a	122		18.5	b-h	34.9	g
29	S10-P9	3753	b-g	15.6	e-i	63	e	12	a	123		16.5	i	38.7	a-e
30	P12T82R	3679	b-g	14.9	h-l	70	b-e	13	a	123		19.1	a-e	36.4	d-g
31	Maxo R2	3356	fg	14.9	h-l	76	a-d	17	a	123		17.2	f-i	38.5	a-e
LSD (P=.05)		***352.5***		***0.69***		***5.8***		***4***				***0.91***		***1.6344***	
Std Dev		***249.2***		***0.49***		***4.1***		***2.8***				***0.65***		***1.1557***	
CV		***6.53***		***3.07***		***5.55***		***23.05***				***3.59***		***3.08***	

Means followed by same letter do not significantly differ (P=.05, LSD)

Table 24. AOV Table for RoundUp Ready > 2550 HU Soybean Variety Evaluation – Harrington, PEI

Entry No.	Entry Name	Yield kg/ha		100 Seed Wt g		Plant Ht. cm		Pod Ht. cm		Maturity DAP		Oil %		Protein %	
1	Ekurana R2	2198	a-d	17.5	e-i	46	ab	5	a	120	fg	19.8	abc	32.1	c-f
2	CFS13.3.01 R2	2291	abc	18.2	c-f	47	ab	6	a	120	g	21.3	a	34.5	a-f
3	PRO 2535R2	2155	a-e	20	a	44	a-d	6	a	123	a-d	19.8	abc	32.3	b-f
4	26-12RY	2145	a-f	17.5	e-i	46	ab	6	a	123	abc	17.6	cd	32.5	b-f
5	PS 0242 R2	1956	a-f	16.9	hij	37	cd	5	a	120	fg	19.2	a-d	31.3	f
6	Theo R2	1899	b-f	18.2	c-f	43	a-d	4	a	120	fg	18.1	bcd	32.4	b-f
7	CF01GR	1906	b-f	17.8	d-h	43	a-d	6	a	121	d-g	19.2	a-d	35.3	abc
8	Colt R2	2211	abc	16.6	ij	47	a	4	a	121	fg	19.5	a-d	34.6	a-f
9	HS 03RY33	2015	a-f	18.1	c-g	45	abc	6	a	123	a-d	19.8	abc	33.6	a-f
10	26-10RY	1716	f	15.9	j	35	d	4	a	120	fg	17.9	bcd	32.7	b-f
11	PRO 2625R2	2373	a	19.2	abc	47	a	5	a	123	a-d	19.3	a-d	33.3	a-f
12	PRO 2635R2	2179	a-e	16.9	hij	44	abc	6	a	123	ab	19.3	a-d	34	a-f
13	S04-D3	2145	a-f	18.4	b-e	43	a-d	5	a	120	fg	18.7	bcd	35	a-d
14	HS 05RYS25	2136	a-f	17	ghi	43	a-d	6	a	121	efg	17.9	bcd	34.2	a-f
15	P06T28R	1984	a-f	17.8	d-h	42	a-d	6	a	121	d-g	19.8	abc	32.7	b-f
16	PS 0416 R2	1917	b-f	16.9	hij	40	a-d	4	a	123	a-d	19.5	a-d	35.6	ab
17	Camaro R2	2082	a-f	16.5	ij	42	a-d	6	a	124	a	17.9	bcd	35.3	abc
18	27-12RY	2366	a	18.8	bcd	38	bcd	6	a	120	fg	19.2	a-d	36.4	a
19	Mundo R2	2107	a-f	18.3	c-f	40	a-d	5	a	122	b-e	18.5	bcd	35.3	abc
20	Nitro R2	2184	a-d	19.8	a	46	ab	6	a	122	c-f	20	ab	32.5	b-f
21	NSC CARIBOU RR2Y	2250	abc	16.6	ij	46	abc	5	a	124	a	18.3	bcd	35.4	abc
22	S07-B6	1776	def	16.7	hij	42	a-d	4	a	124	a	19.9	ab	31.4	ef
23	90Y90	2269	abc	18.4	b-e	44	abc	6	a	121	def	18.7	bcd	34.6	a-f
24	PS 0650 R2	1861	c-f	19.4	ab	45	abc	5	a	121	d-g	18.9	bcd	34.8	a-e
25	CF12GR	1910	b-f	18.5	b-e	48	a	6	a	124	a	18.1	bcd	35.7	ab
26	5091 RR2Y	1916	b-f	17.1	f-i	46	abc	6	a	123	ab	18.3	bcd	34.6	a-f
27	HS 09RYS12	2214	abc	17.1	f-i	46	abc	5	a	124	a	19.5	a-d	33.2	a-f
28	91Y01	2334	ab	18.2	c-f	45	abc	5	a	124	a	18.8	bcd	32.9	b-f
29	S10-P9	1773	def	18.4	b-e	42	a-d	5	a	124	a	17.6	cd	34.1	a-f
30	P12T82R	1748	ef	16.6	ij	40	a-d	5	a	124	a	20.1	ab	31.7	def
31	Maxo R2	2057	a-f	17.4	e-i	43	a-d	5	a	124	a	17.3	d	33.9	a-f
LSD (P=.05)		***237.3***		***0.68***		***4.8***		***1.8***		***0.9***		***1.22***		***1.81***	
Std Dev		***167.8***		***0.48***		***3.4***		***1.3***		***0.7***		***0.6***		***0.89***	
CV		***8.12***		***2.71***		***7.9***		***24.42***		***0.54***		***3.14***		***2.63***	

Means followed by same letter do not significantly differ (P=.05, LSD)

Appendix A

Soybean Data and Rating Methods

EMERGENCE score is an estimate of the plants emerged after two weeks from the planting date.
1=85% or more
2= 70 to 84%
3= 45 to 69%
4= 20 to 44%
5= 0 to 19%

Emergence is only reported when there are significant differences between varieties

MATURITY R8 stage, is the date when 95% of the pods have ripened (95% brown). Delayed leaf drop and green stems are not considered in assigning maturity. Record the date when mature.

PLANT HEIGHT is the average length in centimeters of the plant from the ground to the tip of the main stem at the time of maturity. An average of 3 plants per plot will provide a good estimate.

POD HEIGHT is the average height in centimeters of pods from the ground to the first node where the first pods appear on the plants. An average of 3 plants per plot will provide a good estimate.

LODGING is rated at maturity according to the following scores:
1= Almost all plants erect (standing).
2= All plants leaning slightly or a few plants down flat.
3= All plants leaning moderately (45%), or 25% to 50% of the plants down.
4= All plants leaning considerably, or 50% to 80% of the plants down.
5= Almost all plants down.

SEED SIZE (i.e. weight per seed) in grams per 100 based on a 100 or 200 seed sample

SEED QUALITY is rated according to the following scores, considering the amount and degree of wrinkling, defective seed coat (growth, cracks), greenishness, and mouldy or rotten seeds. Threshing or handling damage is not considered, nor is mottling or other pigment colours
1= very good, 2= good, 3= fair, 4= poor, 5= very poor

Seed Quality is only reported when there are significant differences between varieties

YIELD is measured after the seeds have dried down to uniform moisture (~13%) content, and is recorded in grams per plot. The grams per plot is later converted to kilograms per hectare (based on the plot area harvested) for a final report

PROTEIN & OIL – Protein and oil are measured on either a composite sample from all 4 reps of each entry or from each plot or from a composite sample of Reps 1&2 and Reps 3&4 of each entry depending on the site

HILUM COLOUR CODES Y- YELLOW; IY- IMPERFECT YELLOW ; Br- BROWN ; Bl – BLACK ; BF- BUFF ; Cl – CLEAR ; Imp Bl – IMPERFECT BLACK ; Gr - GREY

Appendix B

2014 MARITIME SOYBEAN VARIETY TRIALS

Table 1: Roundup Ready Soybean Trials < 2550 HU– Canning, Truro, Hartland, Charlottetown

Entry Name	Seed Company	Heat Unit Req.	2014 Yield kg/ha	Multi Year Yields (# site years)	2014 100 Seed Wt. g	2014 Maturity* DAP
NSC LIBAU RR2Y	Semican	2250	3147	3352(8)	17.6	107
Pekko R2	ELITE	2325	3175	2968(20)	17	106
23-10RY	DEKALB	2325	2728	2553(16)	19.2	105
23-60RY	DEKALB	2375	3274	3338(8)	17	106
Hero R2	Prograin	2375	3262	3267(8)	16.6	113
McLeod R2	SeCan	2375	3059	3059(4)	18.1	109
Akras R2	ELITE	2400	3387	3387(4)	18.3	110
Sampsa R2	ELITE	2425	3531	3373(12)	17.9	111
24-10RY	DEKALB	2425	3471	3195(16)	17.9	110
900Y61	Pioneer Hi-Bred	2425	3238	2923(16)	18	109
S00-B7	Syngenta NK Brand	2450	3212	3362(8)	17.2	109
HS 006RYS24	Hyland Seeds	2450	3269	3236(8)	17.7	110
Vito R2	Prograin	2450	3117	2934(16)	15.9	108
PRO 2525R2	Sevita PRO Seeds	2450	3455	3564(12)	19.3	112
S007-Y4	Syngenta NK Brand	2450	3533	3533(4)	17.1	109
24-61RY	DEKALB	2475	3500	3287(12)	17.4	112
HS 007RY32	Hyland Seeds	2475	3478	3398(12)	18.8	112
25-10RY	DEKALB	2500	3760	3556(20)	18.1	113
PS 0083R2	PRIDE Seeds	2500	2773	2982(16)	18.8	114
Astro R2	Prograin	2525	3498	3422(16)	17	115
NSC OSBORNE RR2Y	Semican	2500	3724	3858(8)	18.8	114
LS008R21	Sevita PRO Seeds	2500	3620	3773(8)	17.1	113
90Y01	Pioneer Hi-Bred	2525	3409	3115(12)	16.5	110
PS 0074R2	PRIDE Seeds	2525	3689	3614(12)	15.1	113
NSC Jaden RR2Y	ELITE	2550	3668	3494(20)	16.8	111
P01T23R	Pioneer Hi-Bred	2550	3648	3595(8)	17.3	113
S00-T9	Syngenta NK Brand	2550	3305	3521(8)	18	114

**Maturity recorded as days after planting for 95% pods brown; mean of 4 sites reported*

These trials were seeded at a rate of 65 seeds/m^2. The Maritime Soybean Variety Trials are coordinated and conducted by the Nova Scotia Crop Development Institute @ Dalhousie University Faculty of Agriculture with cooperation from NB Dept. of Agriculture and AAFC Research Centre, Charlottetown, PEI.

Table 2: Roundup Ready Soybean Trials > 2550 HU– Canning, Truro, Charlottetown*

Entry Name	Seed Company	Heat Unit Req.	2014 Yield kg/ha	Multi Year Yields (# site years)	2014 100 Seed Wt. g	2014 Maturity** DAP
Ekurana R2	ELITE	2550	3552	3375(7)	16.5	116
PRO 2535R2	Sevita PRO Seeds	2575	3555	3555(3)	19.4	118
26-12RY	DEKALB	2600	3669	3381(7)	16.8	118
PS 0242 R2	PRIDE Seeds	2600	3290	3089(15)	16	115
Theo R2	Prograin	2600	3384	3304(7)	17	116
CF01GR	Semican	2600	3308	3308(3)	16.9	118
Colt R2	ELITE	2625	3550	3135(7)	15.4	116
HS 03RY33	Hyland Seeds	2625	3716	3365(7)	17.7	119
26-10RY	DEKALB	2650	3604	3325(19)	15.4	117
PRO 2625R2	Sevita PRO Seeds	2650	3580	3399(7)	18.6	119
PRO 2635R2	Sevita PRO Seeds	2650	3572	3377(7)	16.2	119
S04-D3	Syngenta NK Brand	2650	3538	3538(3)	17.8	117
HS 05RYS25	Hyland Seeds	2675	3592	3388(7)	16.5	118
P06T28R	Pioneer Hi-Bred	2675	3574	3574(3)	17.4	119
PS 0416 R2	PRIDE Seeds	2675	3615	3615(3)	16.3	119
Camaro R2	SeCan	2675	3498	3498(3)	15.4	119
27-12RY	DEKALB	2700	3886	3886(3)	17.7	119
Mundo R2	Prograin	2700	3568	3415(11)	18.2	120
Nitro R2	Prograin	2700	3553	3553(3)	19.3	119
NSC CARIBOU RR2Y	Semican	2700	3618	3369(7)	16.1	119
S07-B6	Syngenta NK Brand	2700	3405	3405(3)	15.9	121
90Y90	Pioneer Hi-Bred	2750	3566	3343(15)	17.8	120
PS 0650 R2	PRIDE Seeds	2750	3218	3218(3)	19.2	118
CF12GR	Semican	2750	3492	3242(7)	17.9	120
5091 RR2Y	ELITE	2775	3401	3401(3)	16.6	120
HS 09RYS12	Hyland Seeds	2775	3645	3291(7)	16.7	122
91Y01	Pioneer Hi-Bred	2775	3731	3475(7)	17.5	121
S10-P9	Syngenta NK Brand	2800	3427	3427(3)	17.8	122
P12T82R	Pioneer Hi-Bred	2825	3512	3512(3)	16.7	122
Maxo R2	Prograin	2825	3442	3342(7)	16.7	122

**RR > 2550 HU Trial not harvested at Hartland, NB site*

***Maturity recorded as days after planting for 95% pods brown; mean of 3 sites reported*

These trials were seeded at a rate of 65 seeds/m^2. The Maritime Soybean Variety Trials are coordinated and conducted by the Nova Scotia Crop Development Institute @ Dalhousie University Faculty of Agriculture with cooperation from NB Dept. of Agriculture and AAFC Research Centre, Charlottetown, PEI.

Table 3: Non-Roundup Ready Soybean Trials – Canning, Truro, Charlottetown*

Entry Name	Seed Company	Heat Unit Req.	2014 Yield kg/ha	Multi Year Yields (# site years)	2014 100 Seed Wt. (g) *	2014 Maturity** DAP
Tundra	Prograin	2350	2497	2742(19)	17.6	105
AAC Mandor	Sevita PRO Seeds	2400	3042	3042(3)	18.2	113
DH413	Sevita PRO Seeds	2400	3324	3185(11)	18.5	112
DH863	Sevita PRO Seeds	2500	3142	3210(23)	18	113
Misty	Sevita PRO Seeds	2500	3194	3195(23)	16.2	113
Jari	ELITE	2550	3135	3340(23)	17.8	117
Amadeus	Prograin	2550	2906	2836(7)	17.3	113
DH401	Sevita PRO Seeds	2550	3249	3125(11)	18.7	113
Toma	Prograin	2575	3003	3116(23)	18.9	116
Astor	Sevita PRO Seeds	2575	3243	3238(7)	19.8	116
Narita	Prograin	2600	3122	3261(11)	19.5	117
DH420	Sevita PRO Seeds	2600	3247	3338(23)	19.5	115
DH618	Sevita PRO Seeds	2600	3679	3508(19)	18.6	116
Celebrity	Sevita PRO Seeds	2575	3322	3241(7)	17	116
PSX12C62S	Sevita PRO Seeds	2600	3293	3263(7)	16.9	117
Etna	ELITE	2650	3207	3376(19)	19.1	119
Taurus	Prograin	2650	3069	3215(7)	18.8	117
Savanna	Sevita PRO Seeds	2650	3280	3430(27)	18.6	116
S03-W4	Syngenta NK Brand	2650	3237	3273(15)	19.2	116
Madison	Hyland Seeds	2700	3325	3454(22)	17.4	118
Saska	Prograin	2700	3080	3299(11)	16.2	119
S07-M8	Syngenta NK Brand	2700	3431	3326(7)	20.7	119
HS 09C02	Hyland Seeds	2750	3167	3245(19)	17.8	119
Acora	Prograin	2800	3330	3330(3)	18.2	121
Hannah	Meadow Brook Farms	2800	2828	2828(3)	18.8	122
Inwood Vinton	Meadow Brook Farms	2950	2591	2591(3)	18	127

**Non RR Trial not harvested at Hartland, NB site*

***Maturity recorded as days after planting for 95% pods brown; mean of 3 sites reported*

These trials were seeded at a rate of 65 seeds/m^2. The Maritime Soybean Variety Trials are coordinated and conducted by the Nova Scotia Crop Development Institute with cooperation from NB Dept. of Agriculture and AAFC Research Centre, Charlottetown, PEI.