

2020 MARITIME ROUNDUP READY SOYBEAN VARIETY TRIALS

Table 1: Yield Data Roundup Ready Soybean Trials Relative Maturity 000.5-0.1 (~2200-2500 HU)

Variety	Distributor	Relative Maturity	Heat Units	3 Year		2 Year		2020*	
				%	(t/ac)	%	(t/ac)	%	(t/ac)
Amirani R2	ELITE	000.5	2150					86%	0.87
Akras R2	ELITE	000.9	2250	94%	1.26	96%	1.11	90%	0.90
Fresco R2X	Prograin	000.7	2275					91%	0.91
Sunna R2X	ELITE	00.1	2300	94%	1.25	98%	1.13	95%	0.95
Devo R2X	Prograin	000.5	2350					87%	0.87
S007-Y4	Syngenta	00.5	2350	99%	1.33	97%	1.11	102%	1.02
Renuka R2X	ELITE	00.3	2350			85%	0.97	90%	0.90
S007-Z1X	Syngenta	00.7	2400					105%	1.05
P006A37X	Pioneer	00.6	2425					104%	1.04
B0066L1	Brevant	00.6	2450	100%	1.34	100%	1.15	114%	1.14
PS 0068XR	PRIDE Seeds	00.6	2450	93%	1.25	95%	1.09	94%	0.94
EXP00520XR	PRIDE Seeds	00.6	2450					85%	0.85
S008-N2	Syngenta	00.8	2450	105%	1.41	104%	1.20	111%	1.11
PS 0074R2	PRIDE Seeds	00.7	2475	108%	1.44	105%	1.21	105%	1.05
PS 0077XRN	PRIDE Seeds	00.7	2475	90%	1.21	99%	1.14	99%	0.99
Elmo E3	Prograin	00.7	2475					93%	0.93
Kudo R2X	Prograin	00.7	2475					102%	1.02
SI 00819XT	Sevita International	00.8	2475			97%	1.12	88%	0.88
SI 00820XTN	Sevita International	00.8	2475					106%	1.06
Podaga R2	ELITE	00.8	2475	106%	1.42	108%	1.24	109%	1.09
DKB008-48	DEKALB	00.8	2500					114%	1.14
PS 0098XR	PRIDE Seeds	00.9	2500	101%	1.35	105%	1.21	115%	1.15
Kendo R2	Prograin	00.8	2525	102%	1.37	100%	1.15	110%	1.10
S01-C4X	Syngenta	0.1	2525	108%	1.44	111%	1.28	107%	1.07
Bronco R2X	Prograin	00.9	2550					97%	0.97
Means (t/ac)					1.34		1.15		1.00
Station Years					10-13		7		3

*2020 Sites - Berwick, NS; Hartland, NB & Harrington, PEI
Limited seed available 2021

Table 2: 2018-20 Agronomic Data Roundup Ready Soybean Trials Relative Maturity 000.5-0.1 (2200-2500 HU)

Variety	Relative Maturity	100 Seed Wt. (g)			Plant Height (cm)			Maturity – DTM*		
		3 yr Mean	2 yr Mean	2020 Mean	3 yr Mean	2 yr Mean	2020 Mean	3 yr Mean	2 yr Mean	2020 Mean**
Amirani R2	000.5			13.6			75			109
Akras R2	000.9	17.3	16.1	14.5	59	65	69	118	114	109
Fresco R2X	000.7			13.3			74			110
Sunna R2X	00.1	16.3	15.3	14	66	70	75	119	115	110
Devo R2X	000.5			13.7			60			108
S007-Y4	00.5	16.4	15.1	13.8	60	65	69	119	115	111
Renuka R2X	00.3		13	12		72	80		113	108
S007-Z1X	00.7			15.2			78			114
P006A37X	00.6			14.1			73			111
B0066L1	00.6	16.4	15.3	13.9	61	61	67	123	118	106
PS 0068XR	00.6	16.3	15.5	13.8	66	66	75	120	116	114
EXP00520XR	00.6			14.3			73			112
S008-N2	00.8	17.5	16.6	15	75	76	87	122	117	106
PS 0074R2	00.7	15.1	13.9	12.8	66	73	78	125	118	106
PS 0077XRN	00.7	16	15.7	14	68	74	81	117	118	113
Elmo E3	00.7			13			68			97
Kudo R2X	00.7			13.7			76			103
SI 00819XT	00.8		14.5	13.3		70	75		122	110
SI 00820XTN	00.8			15			71			113
Podaga R2	00.8	17.8	17.2	15.8	71	77	82	121	115	106
DKB008-48	00.8			13			73			105
PS 0098XR	00.9	15	14.4	13.3	64	65	71	123	118	108
Kendo R2	00.8	17.4	16.1	14.4	71	75	82	121	115	105
S01-C4X	0.1	15	14.3	13.1	67	72	80	122	118	114
Bronco R2X	00.9			15.2			77			105

* Days To Maturity based on days to 95% Pod brown

**Note some varieties tested one year may have only maturity ratings from 2 sites in 2020 due to an early frost at some sites

Table 3: Yield Data Roundup Ready Soybean Trials Relative Maturity 00.9-0.7 (~2525-2700 HU)

Variety	Distributor	Relative Maturity	Heat Units	3 Year		2 Year		2020*	
				%	(t/ac)	%	(t/ac)	%	(t/ac)
B0099B1	Brevant	00.9	2525	102%	1.37	100%	1.15	107%	1.21
P00A75X	Pioneer	00.9	2525			95%	1.09	97%	1.09
S01-C4X	Syngenta	0.1	2525	99%	1.34	101%	1.17	93%	1.05
DKB00-20	DEKALB	0.0	2550					100%	1.12
LS008R21	Sevita International	0.1	2550					96%	1.08
SI 0120XTN	Sevita International	0.1	2550					96%	1.08
Hydra R2	ELITE	0.1	2550	101%	1.36	101%	1.16	97%	1.09
Rico R2X	Prograin	0.1	2575					96%	1.09
PRO03X74	Sevita International	0.2	2575					92%	1.04
SI 0220XT	Sevita International	0.2	2575					87%	0.98
P03A26X	Pioneer	0.3	2600			100%	1.15	102%	1.15
PS 0229XRN	PRIDE Seeds	0.2	2600			99%	1.13	100%	1.12
Donaldo R2X	Prograin	0.2	2600			108%	1.24	105%	1.19
Yoko R2X	Prograin	0.2	2600					95%	1.07
PRO 2535R2	Sevita International	0.3	2600					100%	1.13
SI 0320XTN	Sevita International	0.3	2600					103%	1.16
S04-D3	Syngenta	0.4	2600	106%	1.43	101%	1.17	96%	1.08
DKB03-25	DEKALB	0.3	2625					106%	1.20
Enzo E3	Prograin	0.3	2625					87%	0.98
Salto R2	Prograin	0.4	2625	103%	1.39	100%	1.15	102%	1.15
S04-J6X	Syngenta	0.4	2625					102%	1.15
Stingray R2X	ELITE	0.4	2625					100%	1.14
Woden R2X	ELITE	0.5	2650	98%	1.36	112%	1.28	108%	1.25
P05A35X	Pioneer	0.5	2650					100%	1.13
PS 0420XRN	PRIDE Seeds	0.4	2650					96%	1.08
Nano R2X	Prograin	0.5	2650					114%	1.28
PS 0555XRN	PRIDE Seeds	0.5	2675	96%	1.30	92%	1.06	96%	1.08
PS 0416R2	PRIDE Seeds	0.4	2675	94%	1.27	93%	1.07	98%	1.10
S05-N5X	Syngenta	0.5	2675			97%	1.11	100%	1.12
P07A18X	Pioneer	0.6	2700					110%	1.24
PRO 2625R2	Sevita International	0.7	2700	103%	1.39	98%	1.12	107%	1.20
S07-K5X	Syngenta	0.7	2700			108%	1.24	102%	1.15
Vertigo R2	Prograin	0.7	2700	96%	1.30	97%	1.11	105%	1.18
Means (t/ac)					1.35		1.15		1.13
Station Years					8		5		1

*2020 Sites - Harrington, PEI (One site due to high variability for yields at other sites)

Limited seed available 2021

Sold out for 2021

Table 4: 2018-2020 Agronomic Data Roundup Ready Soybean Trials Relative Maturity 00.9-0.6 (~2525-2700 HU)

Variety	Relative Maturity	100 Seed Wt. (g)			Plant Height (cm)			Maturity – DTM*		
		3 yr Mean	2 yr Mean	2020 Mean	3 yr Mean	2 yr Mean	2020 Mean	3 yr Mean	2 yr Mean	2020 Mean**
B0099B1	00.9	17.8	17.1	16.2	64	62	68	128	122	108
P00A75X	00.9		15.5	14.6		60	70		118	103
S01-C4X	0.1	15.4	14.8	14.2	66	64	73	122	117	110
DKB00-20	0.0			15.1			68			107
LS008R21	0.1			14.5			72			107
SI 0120XTN	0.1			14			85			107
Hydra R2	0.1	16.8	16.2	15.7	72	71	80	125	118	108
Rico R2X	0.1	13.5		13.5			69			108
PRO03X74	0.2			14			75			109
SI 0220XT	0.2			14.4			81			109
P03A26X	0.3		17.1	15.2		63	68		120	105
PS 0229XRN	0.2		15.8	15.3		59	61		120	109
Donaldo R2X	0.2		14.8	14		59	67		118	108
Yoko R2X	0.2			14.1			73			109
PRO 2535R2	0.3			16.2			81			108
SI 0320XTN	0.3			14.5			67			107
S04-D3	0.4	16.3	15.2	14.3	66	63	71	124	118	109
DKB03-25	0.3			14.9			78			106
Enzo E3	0.3			11.7			64			103
Salto R2	0.4	15.5	14.6	13.6	64	62	68	129	122	102
S04-J6X	0.4			13.7			64			105
Stingray R2X	0.4			13.5			62			104
Woden R2X	0.5	15.3	14.8	13.5	71	70	76	127	122	103
P05A35X	0.5			16.8			58			108
PS 0420XRN	0.4			15.4			63			107
Nano R2X	0.5			15.2			73			111
PS 0555XRN	0.5	14.7	13.7	12.9	64	62	70	126	122	109
PS 0416R2	0.4	14.7	14.2	13.6	63	62	69	130	126	107
S05-N5X	0.5		15.5	14.8		56	62		129	106
P07A18X	0.6			15.8			68			109
PRO 2625R2	0.7	17	16.2	15.8	68	65	71	131	125	104
S07-K5X	0.7		16.6	16		62	66		129	110
Vertigo R2	0.7	15.6	15	14.8	65	63	68	135	132	105

* Days To Maturity based on days to 95% Pod brown

**Note some varieties tested one year may have only maturity ratings from 2 sites in 2020 due to an early frost at some sites

Table 5: Yield Data Roundup Ready Soybean Trials Relative Maturity 0.7-1.2(~2725-2850 HU)

Variety	Distributor	Relative Maturity	Heat Units	3 Year		2 Year		2020*	
				%	(t/ac)	%	(t/ac)	%	(t/ac)
B088Y1	Brevant	0.8	2700	103%	1.57	105%	1.53	103%	1.28
B091FE	Brevant	0.9	2725					92%	1.16
DKB07-39	DEKALB	0.7	2725					94%	1.18
Altitude R2	SeCan	0.9	2725			110%	1.60	103%	1.29
P09A62X	Pioneer	0.9	2750	101%	1.54	101%	1.46	95%	1.19
DKB08-98	DEKALB	0.8	2750					98%	1.23
PS 0779XRN	PRIDE Seeds	0.7	2750			99%	1.43	98%	1.22
Miko R2	Prograin	0.8	2750	99%	1.50	98%	1.42	111%	1.39
Enyo E3	Prograin	0.9	2750					101%	1.26
Costo R2X	Prograin	1	2775					103%	1.28
Beliveau R2X	SeCan	0.9	2775					105%	1.31
Katonda R2	ELITE	1.0	2775			96%	1.39	105%	1.31
RX Response	ELITE	1.0	2775			101%	1.47	94%	1.18
Maxo R2	Prograin	1.1	2800	97%	1.48	95%	1.37	94%	1.17
Neo R2X	Prograin	1.2	2825					108%	1.35
Maris R2X	ELITE	1.2	2825			95%	1.37	102%	1.28
Echo E3	Prograin	1.1	2850					95%	1.18
Means (t/ac)					1.52		1.45		1.25
Station Years					7-9		4-5		2

***2020 Sites - Canning, NS & Harrington, PEI (Berwick, NS yield data not included due to high variability)**

Table 6: 2018-2020 Agronomic Data Roundup Ready Soybean Trials Relative Maturity 0.7-1.2 (~2725-2850 HU)

Variety	Relative Maturity	100 Seed Wt. (g)			Plant Height (cm)			Maturity – DTM*		
		3 yr Mean	2 yr Mean	2020 Mean	3 yr Mean	2 yr Mean	2020 Mean	3 yr Mean	2 yr Mean	2020 Mean**
B088Y1	0.8	17.8	17.2	16.5	69	68	73	130	130	110
B091FE	0.9			15.2			60			116
DKB07-39	0.7			13.9			69			108
Altitude R2	0.9		16.1	14.4		63	64		122	104
P09A62X	0.9	17	15.9	15.7	60	59	59	130	129	107
DKB08-98	0.8			14.9			69			110
PS 0779XRN	0.7		13.9	12.9		62	68		125	107
Miko R2	0.8	17.1	16.3	15.1	67	66	76	133	131	109
Enyo E3	0.9			13.8			64			109
Costo R2X	1			14.7			68			110
Beliveau R2X	0.9			14.4			62			114
Katonda R2	1.0		15.4	15.1		64	68		131	114
RX Response	1.0		17.2	16.9		62	65		130	109
Maxo R2	1.1	16.5	15.7	15	63	62	65	130	129	111
Neo R2X	1.2			14.2			70			109
Maris R2X	1.2			13.5			65			111
Echo E3	1.1			14.7			65			119

** Days To Maturity based on days to 95% Pod brown*

***Note maturity ratings from 2 sites only in 2020 due to an early frost at some sites*

These trials were seeded at a rate of 55 seeds/m² in small plots (6-7m²). The Maritime Soybean Variety Trials are coordinated through the Atlantic Grains Council by Atlantic Agritech Inc. with trial sites conducted by NB Dept. of Agriculture, Aquaculture & Fisheries, AAFC Charlottetown Research and Development Centre, PEI and Dalhousie University, Faculty of Agriculture, Truro NS.

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