

2024

MARITIME SOYBEAN PERFORMANCE TRIALS (2022-2024)

PERFORMANCES DU SOYA AUX MARITIMES (2022-2024)

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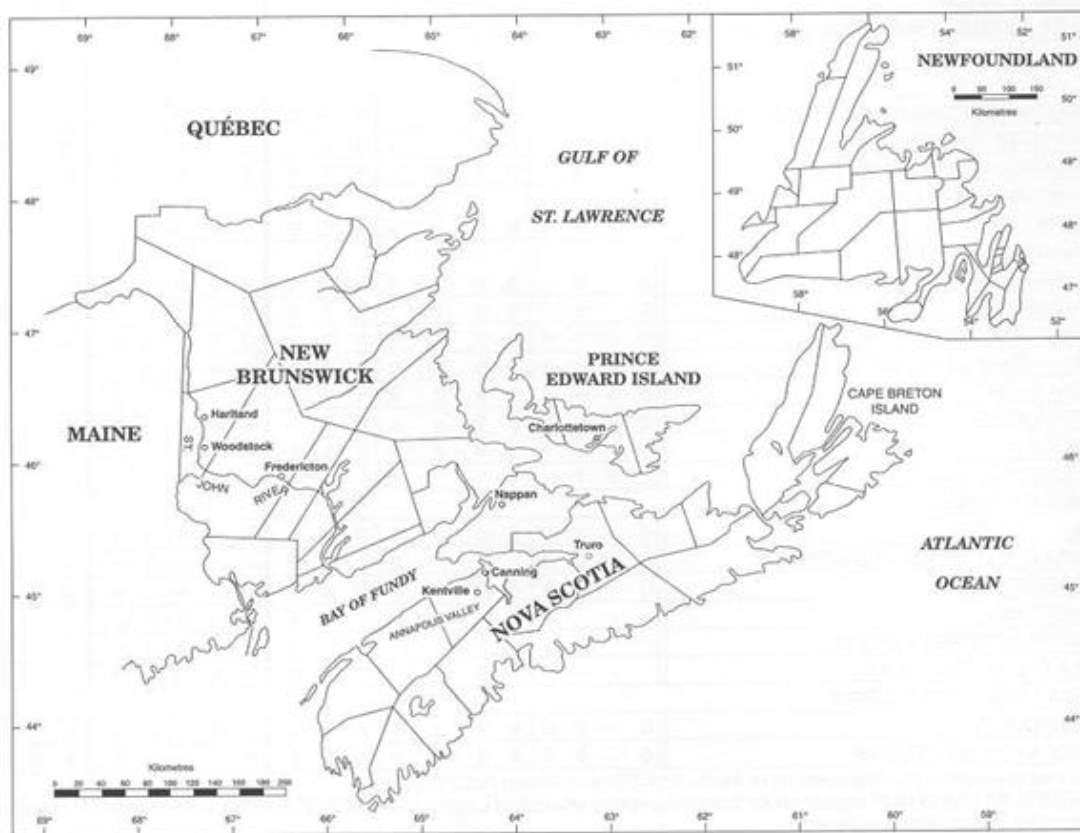
Coordinated through the Atlantic Grains Council by Perennia with trial sites conducted by NBDAAF, Perennia Food and Agriculture Corp.,
Annapolis Valley, NS, Charlottetown Research and Development Centre and Faculty of Agriculture of Dalhousie University

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Coordonné pour le Conseil des grains de l'Atlantique par Perennia avec la collaboration du MAAPNB, Perennia Food and Agriculture Corp.,
Annapolis Valley, NS, du Centre de recherche et développement de Charlottetown et de la Faculté d'agriculture de l'Université de Dalhousie

Available on / Disponible sur

<https://atlanticgrainscouncil.ca/variety-cultivars/>



TRIAL SITES / SITES D'ESSAI

	Annapolis Valley (NS)	Truro (NS)	Hartland (NB)	Harrington (PEI)
2022	X		X	X
2023	X	X	X	X
2024	X	X	X	X

These trials were seeded at a rate of 55 seeds/m² in small plots (6-7m²) /
 Essais semés au taux de 55 graines/m² en petites parcelles (6-7m²)

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**Table / Tableau 1: Yield of Conventional Soybean / 000.5-0.1 (≈2200-2575 CHU/UTM)
Rendement du Soya conventionnel**

Cultivar	Distributor / Distributeur	Maturity / Maturité	CHU / UTM	3 years/ans		2 years/ans		2024	
				(%)	(kg/ha)	(%)	(kg/ha)	(%)	(kg/ha)
SZDT3231	SAATBAU	00.3	2300					100%	3832
L2024TZ01	LIDEA	000						111%	4265
L2024TZ02	LIDEA	000						87%	3364
L2024DZ01	LIDEA	00						103%	3978
Hana	Prograin		2575	101	3761	104%	3840	94%	3632
Koa	Prograin		2475-2525					102%	3923
Liska	Prograin	00.6	2400-2475	88%	3273	89%	3274	93%	3594
Nala	Prograin		2550					101%	3886
JAGO	SG Ceresco	00.7	2475	106	3957	107%	3940	109%	4188
ABACA	SG Ceresco	00.3	2300	105	3909	103%	3805	104%	3988
AURELINA	SG Ceresco	00.5	2450	102	3820	106%	3902	106%	4063
Prostar	Semican	00.5	2400			92%	3386	89%	3424
Jador	Semican	00.8	2525					104%	4016
Kazart	Semican	00.8	2550	105	3915	109%	4027	105%	4039
Means					3733		3692		3845
Sites					10		7		4*

2024 – Annapolis Valley, NS; Truro, NS; Hartland, NB & Harrington, PEI

Table / Tableau 2: Agronomic Data Conventional Soybean/ 000.5-0.1 (≈2200-2575 CHU/UTM)

Caractéristiques du Soya conventionnel 3Cultivar	Maturity / Maturité	100 seed weight / Poids 100 graines (g)			Plant Height / Hauteur (cm)			Maturity ⁽¹⁾ / Maturité ⁽¹⁾ (days/jours)		
		3 yrs/ans	2 yrs/ans	2024	3 yrs/ans	2 yrs/ans	2024	3 yrs/ans	2 yrs/ans	2024
		SZDT3231	00.3			22.3			81	
L2024TZ01	000			21.6			91			120
L2024TZ02	000			21.4			66			121
L2024DZ01	00			18.8			88			121
Hana		19.3	20.1	20.7	75	79	80	120	119	117
Koa				19.4			89			114
Liska	00.6	20.5	20.7	22.6	74	79	82	114	112	110
Nala				21.2			98			117
JAGO	00.7	21.1	21.0	22.0	80	84	88	120	118	115
ABACA	00.3	20.6	20.8	22.3	75	79	83	119	117	114
AURELINA	00.5	20.4	20.9	21.9	84	90	92	120	118	116
Prostar	00.5		22.7	24.4		81	85		113	112
Jador	00.8			22.9			93			114
Kazart	00.8	22.7	23.7	25.3	86	91	97	119	118	116

(1) Days to maturity based on days to 95% Pod brown / Nombre de jours pour que 95% des gousses sont brunes

Table / Tableau 3: Yield of Conventional Soybean /
Rendement du Soya conventionnel /

0.3-1.2 (≈2600-2850 CHU/UTM)

Cultivar	Distributor / Distributeur	Maturity Maturité	CHU / UTM	3 years/ans		2 years/ans		2024 ⁽²⁾	
				(%)	(kg/ha)	(%)	(kg/ha)	(%)	(kg/ha)
L2024TZ01	LIDEA	000						92%	3838
L2024TZ02	LIDEA	000						96%	3981
L2024DZ02	LIDEA	00						92%	3801
Acuna	Prograin		2725-					104%	4336
Aya	Prograin		2675-	104%	4212	105%	4475	105%	4355
Hola	Prograin		2675					107%	4478
Marula	Prograin		2700	101%	4098	101%	4297	99%	4121
Wilma	Prograin		2750-					108%	4515
Panorama	Sevita	0.3	2600	98%	4003	98%	4174	101%	4215
Roxton	Sevita	0.2	2525					101%	4193
AAC KOVIK	SG Ceresco	0.6	2650	97%	3959	96%	4078	95%	3967
Kuma	Maizex	0.3	2600					98%	4104
Canstar	Semican	0.8	2750					103%	4281
Means					4068		4256		4168
Sites					7		5		3*

(1) 2024 – Yield Data - Annapolis Valley, NS; Truro, NS; & Harrington, PEI

Table / Tableau 4: Agronomic Data of Conventional Soybean / 0.3-1.2 (≈2600-2850 CHU/UTM)
Caractéristiques du Soya résistant au Roundup

Cultivar	Maturity Maturité	100 seed weight/ Poids 100 graines (g)			Plant Height/ Hauteur (cm)			Maturity/ Maturité (days/jours)		
		3 yrs/ans	2 yrs/ans	2023	3 yrs/ans	2 yrs/ans	2023	3 yrs/ans	2 yrs/ans	2023
		L2024TZ01	000			22.2			90	
L2024TZ02	000			22.4			65			122
L2024DZ02	00			20.5			87			123
Acuna				24.3			93			122
Aya		22.3	22.7	24.1	74	81	87	125	124	123
Hola				24.1			83			121
Marula		22.5	23.4	24.5	84	92	99	126	125	122
Wilma				22.6			90			125
Panorama	0.3	21.3	22.1	23	66	70	72	123	121	120
Roxton	0.2			21.4			86			118
AAC KOVIK	0.6	22.0	22.7	23.6	74	81	87	126	123	122
Kuma	0.3			22.5			95			119
Canstar	0.8			19.6			99			124

* Days to maturity based on days to 95% Pod brown / Nombre de jours pour que 95% des gousses sont brunes

**Table / Tableau 5: Yield of Roundup Ready Soybean / 000.5-0.1 (≈2200-2500 CHU/UTM)
Rendement du Soya résistant au Roundup**

Cultivar	Distributor / Distributeur	Maturity Maturité	CHU / UTM	3 years/ans		2 years/ans		2024	
				(%)	(kg/ha)	(%)	(kg/ha)	(%)	(kg/ha)
DKB004-24	Bayer/Dekalb	00.4	2400					112%	4704
DKB007-91XF	Bayer/Dekalb	00.7	2475			113%	4228	106%	4477
DKB008-48	Bayer/Dekalb	00.8	2475	110%	4361	114%	4249	122%	5115
Bronco R2X	Prograin	00	2550	111%	4405	119%	4469	116%	4891
Elmo E3	Prograin	00.7	2475					103%	4366
Kudo R2X	Prograin	00.6	2475	108%	4269	108%	4035	110%	4644
B0073EE	Corteva	00.7	2450			108%	4027	113%	4770
P002A42E	Corteva	00.2	2325			92%	3442	91%	3831
P007A68E	Corteva	00.7	2450			102%	3803	102%	4286
Wolf R2X	Maizex	000.3	2100	86%	3388	86%	3205	84%	3520
Badger R2X	Maizex	00.2	2325	105%	4167	110%	4102	115%	4841
Hulk R2X	Maizex	00.8	2475					119%	4988
PS 0011XRN	Pride	00.1	2300	88%	3470	88%	3283	89%	3748
PS 0098XR	Pride	00.9	2500	93%	3677	83%	3122	**	**
S0009-J5X	Syngenta/NK	00.9	2275			85%	3175	78%	3280
S003-R5X	Syngenta/NK	00.3	2325	95%	3758	92%	3452	87%	3671
S007-A2XS	Syngenta/NK	00.7	2425	103%	4067	97%	3642	95%	3991
S007-Z1X	Syngenta/NK	00.7	2400			104%	3912	97%	4058
Means (kg/ha)					3951		3743		4203
Sites					10		7		3*

* 2024 Yield Data from Sites – Annapolis Valley, NS; Harrington, PEI; Hartland , NB – Yield data for Truro, NS > 15% CV

**2024 yield data removed due to an issue with seed quality

Varieties highlighted in grey have low seed availability for 2025.

**Table/Tableau 6: 2021-23 Agronomic Data Roundup Ready Soybean Trials/ 000.5-0.1(≈2200-2500 CHU/UTM⁽¹⁾)
Caractéristiques du Soya résistant au Roundup**

Cultivar	Maturity Maturité	100 seed weight/ Poids 100 graines (g)			Plant Height/ Hauteur (cm)			Maturity*/ Maturité* (days/jours)		
		3 yrs/ans	2 yrs/ans	2024	3 yrs/ans	2 yrs/ans	2024	3 yrs/ans	2 yrs/ans	2024
DKB004-24	00.4			20.5			88			115
DKB007-91XF	00.7		19.0	21.1		78	83		119	117
DKB008-48	00.8	16.9	16.7	18.5	76	76	86	120	119	116
Bronco R2X	00	19.3	19.0	20.2	79	80	86	120	119	116
Elmo E3	00.7			17.1			85			116
Kudo R2X	00.6	17.1	16.3	18.3	81	81	88	118	118	115
B0073EE	00.7		17.4	19.3		65	69		118	115
P002A42E	00.2		16.5	18.2		70	74		113	109
P007A68E	00.7		17.1	19.2		71	77		118	115
Wolf R2X	000.3	18.6	18.0	19.8	63	62	67	113	112	109
Badger R2X	00.2	20.3	19.7	21.3	78	78	87	118	117	114
Hulk R2X	00.8			22.2			91			116
PS 0011XRN	00.1	16.1	15.1	17.0	67	66	73	113	112	110
PS 0098XR	00.9	16.5	16.0	17.0	71	69	69	121	122	121
S0009-J5X	00.9		20.8	22.5		57	61		111	108
S003-R5X	00.3	16.8	16.1	18.2	63	60	67	114	114	111
S007-A2XS	00.7	16.7	17.3	20.7	78	75	80	118	117	114
S007-Z1X	00.7		16.9	15.9		74	78		118	115

* Days to maturity based on days to 95% Pod brown / Nombre de jours pour que 95% des gousses sont brunes

Table / Tableau 7: Yield of Roundup Ready Soybean / Rendement du Soya résistant au Roundup 00.9-0.6 (≈2525-2675 CHU / UTM)

Cultivar	Distributor / Distributeur	Maturity / Maturité	CHU ⁽¹⁾ / UTM ⁽¹⁾	3 years/ans		2 years/ans		2024	
				(%)	(kg/ha)	(%)	(kg/ha)	(%)	(kg/ha)
DKB009-96	Bayer/Dekalb	00.9	2525					92%	4165
DKB03-25	Bayer/Dekalb	0.3	2625	109	4476	107	4439	104%	4703
DKB04-72XF	Bayer/Dekalb	0.4	2650			104	4325	105%	4719
Amino R2X	Prograin		2700					102%	4593
Donaldo R2X	Prograin	0.2	2600	97	3998	99%	4108	101%	4570
Dyno R2X	Prograin		2725					102%	4619
Enduro E3	Prograin		2600-					103%	4654
Miko R2	Prograin	0.8	2700-	114	4685	114	4719	110%	4972
Nano R2X	Prograin	0.6	2700	100	4140	103	4267	105%	4735
Rico R2X	Prograin	0.1	2575-	100	4122	97%	4021	99%	4460
B036CE	Corteva	0.3	2600	93	3843	94%	3889	95%	4298
B054EE	Corteva	0.5	2650					95%	4276
P04A98E	Corteva	0.4	2625			110	4585	108%	4886
P05Z60E	Corteva	0.5	2650					99%	4447
P06A38E	Corteva	0.6	2675			107	4421	107%	4845
SI 0620XTN	Sevita	0.6	2675	104	4272	99%	4120	103%	4651
C4M23497 XT	Maizex	0.1	2550					98%	4435
Cobra R2X	Maizex	0.2	2575	103	4229	101	4195	104%	4713
Barracuda E3	Maizex	0.3	2600			95%	3962	100%	4525
Grizzly R2X	Maizex	0.3	2600	102	4220	104	4301	104%	4715
PS 0423EN	Pride	0.4	2625			89%	3698	94%	4226
PS 0521XRN	Pride	0.5	2675	101	4176	100	4139	100%	4501
S02-M4XF	Syngenta/NK	0.2	2525	87	3594	85%	3541	82%	3694
S03-V5E3	Syngenta/NK	0.3	2600	95	3924	90%	3753	91%	4126
S04-J6X	Syngenta/NK	0.4	2625	99	4072	94%	3905	90%	4077
S06-A3XF	Syngenta/NK	0.6	2675	96	3973	95%	3957	98%	4413
EXP02-24XF	Syngenta/NK	0.2	2525					93%	4208
Means (kg/ha)					4123		4150		4513
Sites					11		7		4*

* 2024 – Hartland, NB , Truro, NS, Annapolis Valley, NS & Harrington, PEI

**Table/Tableau 8: 2021-23 Agronomic Data Roundup Ready Soybean Trials/ 00.9-0.6 (≈2525-2675 CHU / UTM⁽¹⁾)
Caractéristiques du Soya résistant au Roundup**

Cultivar	Maturity Maturité	100 seed weight/ Poids 100 graines (g)			Plant Height/ Hauteur (cm)			Maturity*/ Maturité* (days/jours)		
		3 yrs/ans	2 yrs/ans	2024	3 yrs/ans	2 yrs/ans	2024	3 yrs/ans	2 yrs/ans	2024
DKB009-96	00.9			19.0			88			119
DKB03-25	0.3	18.5	18.5	19.9	82	81	92	123	122	122
DKB04-72XF	0.4		18.1	19.4		84	95		123	123
Amino R2X				19.0			79			123
Donaldo	0.2	16.7	17	18.1	74	74	82	122	121	121
Dyno R2X				20.8			90			124
Enduro E3				21.1			89			122
Miko R2	0.8	18.8	19.1	20.2	83	83	92	126	125	125
Nano R2X	0.6	16.8	17	18.6	78	78	88	125	124	124
Rico R2X	0.1	16	15.7	16.3	69	67	76	120	119	119
B036CE	0.3	17.1	17.2	19.3	69	69	76	122	121	121
B054EE	0.5			18.1			73			123
P04A98E	0.4		21.4	22.6		67	72		123	123
P05Z60E	0.5			20.0			71			121
P06A38E	0.6		20.3	21.1		68	73		125	125
SI 0620XTN	0.6	16.7	16.7	18.0	78	77	84	124	124	124
C4M23497	0.1			21.0			86			119
Cobra R2X	0.2	17.4	17.4	18.8	75	76	84	123	123	123
Barracuda	0.3		18	19.4		66	73		122	122
Grizzly R2X	0.3	18.2	18.3	19.2	66	69	72	124	124	124
PS 0423EN	0.4		15.2	16.4		71	80		126	126
PS 0521XRN	0.5	17.9	18.1	19.4	76	75	83	125	124	124
S02-M4XF	0.2	16.5	15.9	16.8	71	71	80	120	120	120
S03-V5E3	0.3	16.8	16.9	18.2	69	69	77	123	122	122
S04-J6X	0.4	16.3	16.4	17.4	75	73	79	124	123	123
S06-A3XF	0.6	18.5	18.7	19.6	71	71	76	126	126	126
EXP02-24XF	0.2			18.4			80			119

* Days to maturity based on days to 95% Pod brown / Nombre de jours pour que 95% des gousses sont brunes

Table / Tableau 9: Yield of Roundup Ready Soybean/ Rendement du Soya résistant au Roundup 0.7-1.2 (≈ 2700-2850 CHU / UTM)

Cultivar	Distributor / Distributeur	Maturity Maturité	CHU ⁽¹⁾ / UTM ⁽¹⁾	3 years/ans		2 years/ans		2024*	
				(%)	(kg/ha)	(%)	(kg/ha)	(%)	(kg/ha)
DKB07-23	Bayer/Dekalb	0.7	2700			93%	4106	96%	5058
DKB07-59XF	Bayer/Dekalb	0.7	2725	107	4700	109	4794	107	5661
Dyno R2X	Prograin		2725					103	5465
Enyo E3	Prograin	0.8	2725-	99	4332	101	4436	105	5554
Miko R2X	Prograin	0.8	2700-	111	4883	114	5012	107	5664
Nano R2X	Prograin	0.6	2700	96	4227	98%	4319	103	5451
Pico R2X	Prograin	0.9	2775-	98	4305	102	4488	110	5803
P08A44E	Corteva	0.8	2725			105	4607	106	5590
P09Z79E	Corteva	0.9	2750					97%	5136
B074HE	Corteva	07	2700			102	4512	96%	5097
B103EE	Corteva	1.0	2775			90%	3986	93%	4939
B119KE	Corteva	1.1	2800	91	4012	99%	4365	102	5406
Lion R2X	Maizex	0.7	2700	91	4007	89%	3916	89%	4700
Viper R2X	Maizex	0.9	2750	104	4578	103	4551	101	5351
PS 0779XRN	Pride	0.7	2750	102	4477	100	4413	104	5479
PS 0944XRN	Pride	0.9	2775			104	4589	96%	5088
PS 1022 EN	Pride	1.0	2800					104	5497
PS 1224 EN	Pride	1.2	2850					99%	5255
S09-B5XF	Syngenta/NK	0.9	2775			97%	4259	95%	5021
S12-M5X	Syngenta/NK	1.0	2825	99	4339	94%	4121	93%	4940
S11-U2XF	Syngenta/NK	1.1	2825					106	5588
S11-A4E2	Syngenta/NK	1.1	2825					89%	4701
Means (kg/ha)					4386		4405		5293
Sites					8		5		2*

* 2024 –Annapolis Valley, NS & Harrington, PEI

**Table/Tableau 10: 2021-23 Agronomic Data Roundup Ready Soybean Trials/ 0.7-1.2 (≈2700-2850 CHU / UTM⁽¹⁾)
Caractéristiques du Soya résistant au Roundup 2021-23**

Cultivar	Maturity Maturité	100 seed weight/ Poids 100 graines (g)			Plant Height/ Hauteur (cm)			Maturity*/ Maturité* (days/jours)		
		3 yrs/ans	2 yrs/ans	2024	3 yrs/ans	2 yrs/ans	2024	3 yrs/ans	2 yrs/ans	2024
DKB07-23	0.7		14.6	16.1		68	74		125	122
DKB07-59XF	0.7	15.6	15.4	16.5	75	75	79	128	127	123
Dyno R2X				19.8			80			125
Enyo E3	0.8	16.6	16.5	17.8	72	73	77	130	130	125
Miko R2X	0.8	18.4	18.2	19.2	78	79	90	128	128	124
Nano R2X	0.6	16.9	16.4	18.0	72	72	78	127	126	124
Pico R2X	0.9	15.9	15.4	16.6	70	71	74	129	129	123
P08A44E	0.8		17.8	19.1		76	80		127	123
P09Z79E	0.9			16.0			76			124
B074HE	07		18.4	19.9		70	75		128	124
B103EE	1.0		18.4	19.9		67	72		129	125
B119KE	1.1	17.3	17.0	18.0	66	65	68	130	130	126
Lion R2X	0.7	17.8	17.7	18.8	66	63	68	127	126	124
Viper R2X	0.9	18.0	18.1	18.9	69	67	70	128	128	124
PS 0779XRN	0.7	15.8	15.8	16.9	74	73	78	129	128	125
PS 0944XRN	0.9		17.9	19.3		78	84		131	128
PS 1022 EN	1.0			18.9			75			124
PS 1224 EN	1.2			19.0			78			124
S09-B5XF	0.9		18.1	19.3		70	75		129	125
S12-M5X	1.0	18.5	18.2	19.8	63	62	68	130	130	126
S11-U2XF	1.1			20.0			85			128
S11-A4E2	1.1			18.6			71			129

* Days to maturity based on days to 95% Pod brown / Nombre de jours pour que 95% des gousses sont brunes

Conventional Soybean Seed Sales Reps for New Brunswick

Prograin:

Eastern Grains Inc. – Ph: 506- 473- 6661 or 1-866-473-6661

Saatbau Canada INC.:

Pierre Boireau, St Jean sur Richelieu, QC, Ph: (514) 609-0881 Email : pierre.boireau@saatbau.com

Semican Inc:

Annie Bergeron Ph: 1 (819) 362-8823

Sevita International:

Guillaume Dore, Regional Sales Manager, Ph: 514-914-7068

SG CERESCO INC.:

Hicham Fram, Agronomic Director, Saint-Urbain-Premier, QC Ph: (514) 771-3831

RR Soybean Seed Sales Reps for New Brunswick

Brevant Seeds: Cavendish Agri-Services – Salisbury, NB Tamara Sealy Ph: 506-378-4605

DEKALB Seeds: Hartland Agromart- NB Reps Ph: 506-375-4538

Andy Brennan 1-506-392-7909

Brennan McCarthy 1-506-325-8084

Jerry Brewer 1-506-392-7464

Maizex: Klay Ansems, Territory Manager Maizex Seeds, Atlantic Canada
Ph: (Cell) (902) 680-6995

Pioneer: Riverview Farms - Shawn Paget Ph: 506-324-0572

PRIDE Seeds: Cavendish Agri-Services, Salisbury - Cora Hornbrook Ph: 506-378-4605

Prograin : Eastern Grains Inc.- NB Ph: 506- 473- 6661 or 1-866-473-6661

Sevita International: Guillaume Dore, Regional Sales Manager Ph: 514-914-7068

Semican Inc: Annie Bergeron Ph: 1 (819) 362-8823

Syngenta NK : McCain Fertilizers, Florenceville, NB; Samuel Delano Ph: 207-762-2325