



Seed Ontario

2019

Variety
Performance
Trial Data
& Growers
Source Guide

www.seedontario.ca

MISSION:

- PROTECT CORN YIELD AND QUALITY
- SCOUT AND ELIMINATE TARGET INSECTS

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Published by the Glacier FarmMedia,
1666 Dublin Ave., Winnipeg, MB, R3H 0H1
For advertising rates and information:
Phone: 204-944-5765 Fax: 204-944-5562

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The data in this listing includes all pedigreed seed
crops that have successfully received, or are in the
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recommends asking for official seed certification
tags as your proof of CSGA certification. A copy
of the mechanical purity and germination analysis
test certificate should also be made available to
you. The pedigreed class code is listed after the
growers' phone number. (S=Select; F=Foundation;
R=Registered; and C=Certified.)

Crops are sorted alphabetically by town and grower
(or company) name within variety within crop
kind. '®' indicates the variety is protected by Plant
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Ontario Corn
Committee



Ontario Pulse
Crop Committee



OSGA



Supplement to
Farmtario
January 28, 2019



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Minister's Message



On behalf of the Ontario Ministry of Agriculture, Food and Rural Affairs, I am pleased to introduce you to *Seed Ontario*.

In it you will find the latest information on the characteristics of new and existing field crop varieties available in Ontario to help guide your decisions for the 2019 growing season. This new resource allows you to compare and select varieties that are best suited to your individual farming operation.

This guide was made possible through the collaboration of producers, commodity organizations, the Ontario Corn Committee, the Ontario Cereal Crop Committee, the Ontario Soybean and Canola Committee, the Ontario Pulse Crop Committee, crop specialists from the Ontario Ministry of Agriculture and Rural Affairs and the Ontario Seed Growers' Association.

Our government recognizes the important role Ontario farmers play in this province's economy. The work you do out in the fields supports the prosperity of your communities — and the province as a whole. Without you, the sector would not be the key economic driver it is. We look forward to working with you to continue to grow the agriculture sector.

I would like to take this opportunity to wish you every success in the 2019 growing season.

Honourable Ernie-Hardeman
Minister of Agriculture

President's Message



Welcome to Ontario's first seed guide publication.

Seed Ontario is your resource tool of variety performance trial information combined with a directory listing of where to access seed varieties. Data from all the variety performance trials across the province are peer reviewed and presented here for your convenience. Use data to assist in your seed purchase decisions and select varieties that can help in eliminating risk and improving your profitability.

Certified seed offers great value and great returns for producers. The blue tag is your seal of quality and your commitment to investing in future varietal development work.

As president of the Ontario Seed Growers' Association we wish to thank the work of the performance evaluation committees, the many industry collaborators, the sponsors and advertisers and our publication partner Glacier Farm Media for their assistance with making the *Seed Ontario* publication a reality.

Best of success to you in your farming endeavours in 2019.

Peter Szentimrey
President,
Ontario Seed Growers' Association

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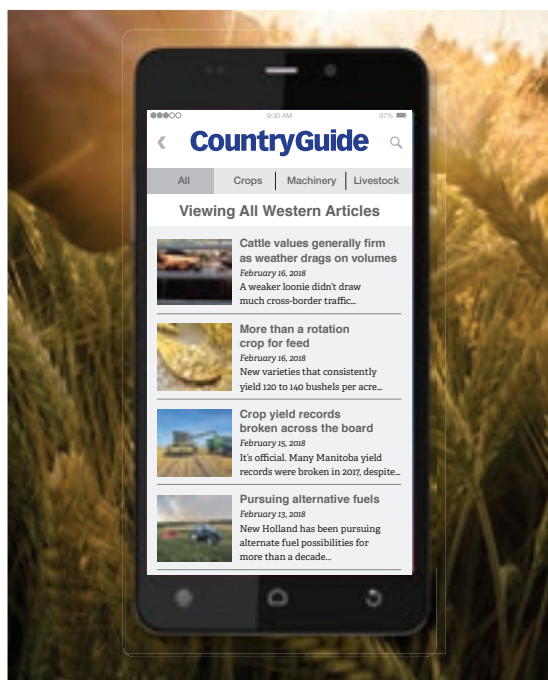
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WELCOME TO SEED ONTARIO 2019

By Colleen Acres

Manager, Ontario Seed Growers' Association

Welcome to *Seed Ontario* — a brand new initiative and resource tool to assist Ontario producers with variety selection and a growers source guide. This guide is compliments of Ontario Seed Growers' Association. *Seed Ontario* is a collaborative effort between province wide variety performance trial committees, commodity organizations, industry, government and producers to compile and publish third party variety performance information. Without the sponsors, supporters, site contractors and commodity groups that donate and compile data, this publication would not be possible. We thank them for the great and important work that they do on behalf of Ontario agriculture. For further details the performance trial data and commodity specific information can be found online at GoBeans.ca, GoCorn.net, Gosoy.ca, GoCereals.ca and GoForages.ca. An online version of this complete guide will be posted to www.seedontario.ca

As a new year begins and with this new initiative, we hope that this information will be used as an opportunity to plan ahead on your seed purchasing and planting decisions for 2019 and beyond. Plant breeders, seed growers, seed companies, labs, retailers — all work together to bring innovative, new varieties to the marketplace that will enhance and improve on-farm profitability and productivity. Using certified seed improves your chances for success and returns royalties into the system so that new research and varietal development work can be ongoing. Certified seed

is your key to accessing new varieties with better traits and it is one of the best risk management tools for your farm. Canada's seed system is recognized and respected around the globe because it ensures germination and mechanical purity, while providing a third-party verified audit trail of varietal identity. It's a system that has given Canada its worldwide reputation as a supplier of quality agricultural products, a reputation you can use to guarantee the quality of your own products.

WHERE DOES THE DATA COME FROM?

Seed Ontario is an independent resource for variety performance comparisons across Ontario. The data is based on small replicated plots, in trials grown across locations and years. The "Variety Description" tables are compiled from registration data submitted at the time the variety was registered. Information on some ratings, such as disease can change in the "Variety Description" table as commercial performance and reaction to disease races are better understood. *Seed Ontario* provides individual variety performance by location for yield and other quality attributes (dependent on crop type). This comparison is a great way to see more 'local' performance as compared to the overall summary based years. Take caution though — a single year, single location data can be deceiving! The performance testing program aims to provide multiple years of data on a number of varieties near your farming operation. This can provide better insight into how a new variety does versus the current variety that you have been accustomed to growing.

TESTING LOCATIONS AND SITE YEARS

Testing locations and trial data are coordinated through the performance committees and are planted where they deem appropriate. To visually have a better understanding of where the trials and locations are, see the maps indicated in each crop section.

SEED GROWER LISTINGS

The grower listing is provided by the Canadian Seed Growers' Association (CSGA) and includes all pedigreed seed crops that have successfully received, or are in the process of receiving, seed crop certification from the CSGA in 2018. Fields that were declined pedigreed status are not included in this listing. Data is provided for information purposes only. All users of the CSGA data use such data at their own risk. When purchasing seed, CSGA strongly recommends asking for official seed certification tags as your proof of CSGA certification. A copy of the mechanical purity and germination analysis test certificate should also be made available to you.

Our thanks to Glacier Farm Media for their assistance and guidance in putting this initial *SeedOntario* publication together. Their editorial work, final layout and professionalism throughout the production stages has been exemplary. We trust that you will find great value in this resource and are anxious to hear your questions and comments on *Seed Ontario*. They can be directed to info@seedontario.ca

Enjoy and have a great 2019 growing season.

Thanks everyone ■



PHOTO: GETTY IMAGES

Cereal Crops

Cereal Performance Trials are conducted by the Ontario Cereal Crops Committee (OCCC). For more information about the OCCC go to the GoCereals.ca website under "About Us".

Winter wheat trials are conducted annually at 12 locations across Ontario, spring wheat and barley trials are conducted at 9 locations and oat trials are conducted at 8 locations. For reporting, the trial results are grouped into 4 regions based on their environment. A map showing the testing area and trial locations for each crop can be found on page 9 or at GoCereals.ca under "Performance".

Each trial consists of four replications and are managed according to the recommendations of the Ontario Ministry of Agriculture, Food and Rural Affairs. "Intensive" trials refers to trials that receive one or two applications of a foliar fungicide, depending on conditions, for the control of leaf diseases and/or Fusarium Head Blight. Detailed information about the practices used can be found on GoCereals.ca under "Procedures".

Trials are inspected by representatives of the OCCC after heading to ensure that they meet OCCC standards.

Yield values reflect the performance of the variety relative to the average of the trials and is referred to as the "Yield Index". Index values differing by less than 3 within a column may not represent true differences in yield.

Heading and Physiological Maturity Days are counted from the day of planting. They vary from year to year and should only be used to indicate relative differences.

Abbreviations:

Winter Wheat: sww = soft white winter; srw = soft red winter; hww = hard white winter; hrw = hard red winter

Spring Wheat: HRS = hard red spring; EFS = eastern feed spring; Other = does not meet quality standards for CEHRS; a = awned

Barley: 2R = 2 Rowed, 6R = 6 Rowed

Disease Ratings: MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst)

Other Ratings:

For ratings 0 - 9, a high score is undesirable.

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

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

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GROWING ONTARIO TOGETHER

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but change is rapid. We are committed to providing information you can rely on in an ever-changing industry so you can use your resources efficiently and effectively.

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Ontario Performance Trial Data

AREA MAP



Locations of performance tests by crop:

Oats: Palmerston, Kincardine, Elora, Ottawa, Winchester, Verner, New Liskeard, Emo

Barley: Palmerston, Kincardine, Elora, Ottawa, Osgoode, Winchester, Verner, New Liskeard, Emo

Spring Wheat: Palmerston, Kincardine, Elora, Ottawa, St. Isidore, Winchester, Verner, New Liskeard, Emo

Winter wheat: Woodslee, Inwood, Ridgetown, St. Marys, Palmerston, Kincardine, Elora, Ottawa, Moose Creek Winchester, Emo, New Liskeard

For more information, go to GoCereals.ca

OATS

Cumulative Yield Index¹ Summary of Areas II, III & V

Variety	Area II					Area III					Area V				
	5 yr ²	4 yr	3 yr	2 yr	2018	5 yr ²	4 yr	3 yr	2 yr	2018	5 yr ²	4 yr	3 yr	2 yr	2018
Hulled															
OAC Markdale	85	87	82	79	78	95	92	93	93	101					
RC Amaze	86	88	87	83	92	91	91	91	89	115		97	94	93	87
Dieter☉						92	89	89	84	86	99	99	100	102	103
Avatar						95	93	92	87	105					
Hidalgo											100	100	100	101	103
Vitality									83	94	100	101	101	102	102
AAC Bullet	115	107	107	108	106	110	111	111	118	101					
AAC Roskens	100	99	99	104	101										
Nice											101	101	102	100	99
AAC Almonte	107	103	99	100	96	107	105	107	113	99	98	96	98	99	97
CDC Orrin☉					96	107	107	110	110	121				103	108
AAC Richmond		105	106	106	106		100	98	93	85		104	105	106	110
AAC Oaklin	109	105	105	110	103	109	110	109	117	103	100	99	99	100	96
Kara☉											106	103	102	102	104
Akina☉											106	103	103	103	108
AAC Nicolas☉							109	107	108	109	108	105	104	105	103
AAC Kolosse		105	105	108	110		112	111	115	105		99	99	98	98
AAC Noranda		97	95	93	89		108	105	105	101		101	101	99	94
AAC Blake		104	103	100	101										
AAC Banner☉				119	108					111	99			92	83
AAC Torrent☉				116	114					101	77			95	92
Means (t/ha)	3.69	3.72	4.04	3.53	3.08	3.98	3.94	3.90	3.11	2.58	4.77	4.95	4.88	4.95	4.28
Means (bu/ac)	97	98	106	93	81	105	103	102	82	68	125	130	128	130	112
Locations	15	12	8	5	2	10	8	6	4	2	13	11	9	6	3

¹ Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.

² Cultivar yield ranking may vary from year to year. Decisions are therefore best made using data with the greatest number of years

Rust races have overcome genetic resistance in the past 10 years, with some varieties being significantly impacted.

☉☉ PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

OATS — AREA II

Varietal Characteristics

Variety?	Class ¹	Test Weight (kg/hL)	1000 Kernel Weight(g)	Heading ³ (days)	Maturity ³ (days)	Height (cm)	Lodging ² (0-9)	Crown ² Rust (0-9)	Straw Yield Index
OAC Markdale	white	39.9	36.5	50	82	81	0.5	5.7	90
RC Amaze	white	43.0	34.0	46	80	72	6.0	5.7	75
AAC Bullet	white	41.6	34.7	50	81	71	0.5	5.0	101
AAC Roskens	tan	41.4	32.3	50	80	75	4.0	4.0	87
AAC Almonte	tan	45.7	35.3	54	82	85	4.5	4.3	115
CDC Orrin [Ⓞ]	white	39.2	37.3	53	83	70	1.0	4.7	82
AAC Richmond	white	37.3	41.9	58	87	90	0.5	4.0	136
AAC Oaklin	white	42.2	36.4	52	81	75	3.0	5.7	89
AAC Kolosse	yellow	38.4	36.8	54	84	80	0.5	4.0	114
AAC Noranda	white	39.2	35.8	53	84	71	4.0	4.3	102
AAC Blake	white	37.1	36.1	53	81	77	1.5	6.3	126
AAC Banner [Ⓞ]	white	38.8	33.9	52	87	72	2.0	2.0	90
AAC Torrent [Ⓞ]	yellow	39.2	40.4	55	85	70	1.0	4.3	93
Means		40.2	36.2	52	83	76	2.2	4.6	1.85 t/ha
Locations		2	1	2	1	1	1	1	1

1 hull colour

2 For ratings 0-9, a high score is undesirable.

3 Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

[Ⓞ] PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

Cumulative Yield Index¹ Summary – Intensive Trials

Class ²	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2018 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
yellow	AAC Kolosse			102	101	101	99	102	97	100	99
	AAC Torrent [Ⓞ]							102	100	100	100
white	OAC Markdale	89	97	93	96	93	96	95	95	102	101
	RC Amaze	87	94	91	95	94	96	93	99	103	100
	AAC Bullet	108	111	103	104	103	104	105	103	100	100
	CDC Orrin [Ⓞ]									100	99
	AAC Richmond			104	103	101	101	99	98	100	100
	AAC Oaklin	104	107	104	103	104	104	107	107	100	99
	AAC Noranda			99	95	98	99	100	101	100	101
	AAC Blake			104	106	103	105	102	103	99	99
	AAC Banner [Ⓞ]							102	103	99	99
tan	AAC Roskens	97	99	98	98	96	98	99	98	101	101
	AAC Almonte	100	100	100	99	99	100	99	101	100	99
Means (t/ha)		3.99	4.24	3.99	4.04	4.05	4.16	3.84	3.97	3.28	3.57
Means (bu/ac)		104.6	111.4	104.6	106.1	106.4	109.3	100.7	104.3	86.2	93.7
Location – Years			9		7		5		3		1

1 Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.

Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

2 hull colour.

Fungicide treatments included a T1 application of foliar fungicide at Zadoks Growth Stage 30 to 31, followed by a T3 application of fusarium fungicide during flowering.

The OCCC is thankful to the Grain Farmers of Ontario, BASF, Bayer and Syngenta for their financial support towards the intensive trials.

[Ⓞ] PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

Varietal Characteristics

Variety	Class ¹	Test Weight (kg/hL)	1000 Kernel Weight(g)	Heading ³ (days)	Maturity ³ (days)	Height (cm)	Lodging ² (0-9)	Crown ² Rust (0-9)	Leaf Septoria (0-9)	Straw Yield Index
OAC Markdale	white	48.7	30.8	54	87	85	3.0	1.8	1.8	108
RC Amaze	white	48.0	32.0	52	85	79	3.8	0.0	0.0	81
Dieter [Ⓢ]	white	51.0	35.7	59	88	84	1.0	5.3	2.8	113
Avatar	white	52.9	29.5	56	85	76	7.5	0.8	0.0	85
Vitality	white	48.8	35.2	55	87	76	2.0	2.5	0.5	106
AAC Bullet	white	48.9	34.3	57	89	69	0.5	3.3	0.5	93
AAC Almonte	tan	52.5	31.8	58	88	78	3.8	1.8	1.8	94
CDC Orrin [Ⓢ]	white	48.6	33.2	58	87	80	5.5	5.3	2.0	94
AAC Richmond	white	50.2	35.5	62	90	80	0.0	4.5	2.3	133
AAC Oaklin	white	48.0	33.7	57	88	74	3.0	2.5	1.0	93
AAC Nicolas [Ⓢ]	white	48.4	30.8	60	86	72	1.3	3.8	2.5	105
AAC Kolosse	yellow	50.8	32.3	59	88	81	2.0	2.0	1.8	100
AAC Noranda	white	46.5	30.9	58	89	73	3.3	3.8	1.8	90
AAC Banner [Ⓢ]	white	51.5	33.4	58	88	72	0.8	0.8	2.8	107
AAC Torrent [Ⓢ]	yellow	47.6	32.9	60	89	69	0.0	2.5	3.0	98
Means		49.5	32.8	58	88	77	2.5	2.7	1.6	1.86 t/ha
Locations		2	2	2	1	2	1	1	1	1

1 hull colour

2 For ratings 0-9, a high score is undesirable.

3 Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

[Ⓢ] PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

Cumulative Yield Index¹ Summary – Intensive Trials

Class ²	Variety	4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2018 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes
yellow	AAC Kolosse			107*	109	108	111	102	102
	AAC Torrent [Ⓢ]					102	105	96	100
white	OAC Markdale	94	98	87	97	86	100	98	97
	RC Amaze	81	99	79	100	75	100	102	102
	Dieter [Ⓢ]	89	103	86	101	82	97	94	97
	Avatar	84	103	80	99	72	97	102	107
	Vitality					78	97	97	100
	AAC Bullet	106	107	108	110	116	115	99	98
	CDC Orrin [Ⓢ]	101	109	100	108	99	106	104	103
	AAC Richmond			97	110	92	108	97	101
	AAC Oaklin	108	107	108	108	118	119	99	97
	AAC Nicolas [Ⓢ]			99	107	100	112	102	104
	AAC Noranda			98	108	98	112	96	102
	AAC Banner [Ⓢ]					107	107	101	103
tan	AAC Almonte	106	108	103	109	112	114	99	99
Means (t/ha)		3.79	4.27	4.20	4.80	3.57	4.15	3.51	3.62
Means (bu/ac)		99.6	112.1	110.3	125.9	93.6	108.8	92.1	95.1
Location – Years			4		3		2		1

1 Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.

Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

2 hull colour.

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The OCC is thankful to the Grain Farmers of Ontario, BASF, Bayer and Syngenta for their financial support towards the intensive trials.

[Ⓢ] PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

OATS — AREA V

Varietal Characteristics

Variety	Class ¹	Test Weight (kg/hL)	1000 Kernel Weight(g)	Heading ² (days)	Maturity ² (days)	Height (cm)	Straw Yield Index
RC Amaze	white	42.9	32.1	50	80	83	69
Dieter☉	white	44.9	35.3	59	82	99	112
Hidalgo	white	43.9	33.3	54	82	88	80
Vitality	white	42.0	34.1	53	82	92	86
Nice	white	43.6	35.6	54	80	95	87
AAC Almonte	tan	43.7	33.0	55	82	95	86
CDC Orrin☉	white	43.3	32.6	55	83	93	90
AAC Richmond	white	43.3	34.3	61	85	101	152
AAC Oaklin	white	43.8	34.2	54	79	88	90
Kara☉	white	43.6	34.3	55	82	83	84
Akina☉	white	41.9	34.5	54	82	86	76
AAC Nicolas☉	white	40.6	32.1	58	82	88	94
AAC Kolosse	yellow	42.9	33.7	56	84	91	136
AAC Noranda	white	40.6	33.7	55	83	89	92
AAC Banner☉	white	41.9	33.0	57	84	84	137
AAC Torrent☉	yellow	39.3	30.1	60	86	85	131
Means		42.6	33.5	56	82	90	5.08 t/ha
Locations		3	3	3	3	3	2

1 hull colour

2 Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

☉☉ PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

Cumulative Yield Index¹ Summary – Intensive Trials

Class ²	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2018 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
yellow	AAC Kolosse			101	102	101	103	100	102	98	102
	AAC Torrent☉							92	90	83	84
white	RC Amaze			96	99	95	97	95	98	91	97
	Dieter☉	94	94	95	96	95	95	97	97	96	100
	Hidalgo	99	104	97	102	97	102	98	102	100	108
	Vitality	96	100	96	101	96	103	98	104	93	105
	Nice	99	102	100	103	100	104	100	105	100	105
	CDC Orrin☉							99	100	98	103
	AAC Richmond			101	102	102	103	101	100	106	111
	AAC Oaklin	100	101	98	100	96	100	99	98	91	92
	Kara☉	109	110	105	106	104	106	104	104	99	104
	Akina☉	105	106	101	102	101	101	102	98	100	97
	AAC Nicolas☉	110	111	105	107	104	107	106	108	104	107
	AAC Noranda			99	104	98	104	98	103	96	102
AAC Banner☉							100	99	93	95	
tan	AAC Almonte	94	99	95	101	96	102	97	102	97	109
Means (t/ha)		5.23	5.39	5.43	5.63	5.34	5.58	5.11	5.21	4.33	4.66
Means (bu/ac)		137.3	141.5	142.4	147.8	140.3	146.3	134.2	136.6	113.7	122.3
Location – Years			5		4		3		2		1

1 Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.

Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

2 hull colour.

Fungicide treatments included a T1 application of foliar fungicide at Zadoks Growth Stage 30 to 31, followed by a T3 application of fusarium fungicide during flowering.

The OCC is thankful to the Grain Farmers of Ontario, BASF, Bayer and Syngenta for their financial support towards the intensive trials.

☉☉ PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

Cumulative Yield Index¹ Summary of Areas II, III & V

Variety	Area II					Area III					Area V				
	5 yr ²	4 yr	3 yr	2 yr	2018	5 yr ²	4 yr	3 yr	2 yr	2018	5 yr ²	4 yr	3 yr	2 yr	2018
2 Rowed															
AC Kings	98	97	95	95	97										
Bornholm	100	102	99	99	107	98	101	101	104	105					
Conestogo	97	99	97	96	100	95	97	98	101	101					
AAC Purpose [Ⓞ]	98	99	99	102	111	96	96	97	97	101	99	100	101	104	104
Dundee			96	95	99			101	103	101			96	97	100
Champion [Ⓞ]			98	91	97			100	98	99					
AAC Bell [Ⓞ]										94					95
AAC Ling [Ⓞ]										80					96
AAC Synergy [Ⓞ]					91					88					
Newport					104					102					
6 Rowed															
Cyane	104	102	101	105	99	107	107	106	108	111					
Dignity	101	99	99	98	91	101	102	101	101	93					
OCEANIK						108	110	109	110	114	107	107	107	103	100
OAC Laverne	103	104	104	107	110	101	103	103	102	104					
Harmony						106	104	104	105	113	97	96	95	100	107
Synasolis											106	106	108	107	106
Amberly	105	106	107	112	111	104	102	104	102	99					111
HY 621-6R	104	101	105	112	111	101	101	102	107	107					
Alyssa												93	91	89	95
AAC Mirabel						97	96	96	94	99	98	95	95	94	94
OAC Belwood	99	100	98	97	102	102	104	103	104	104					
Boroe											107	107	107	107	102
Masky						105	105	104	104	106	105	105	105	106	104
Chambly						105	106	107	110	107	101	102	102	104	102
AAC Vitality	102	102	105	105	102	104	102	103	103	102	101	100	101	103	100
DS7176RB	99	98	96	94	92	108	109	108	112	120					
AAC Montrose [Ⓞ]												103	102	100	96
Marden			104	107	102			97	100	96			105	102	95
Baden			104	105	107			110	112	109			108	105	103
DS8126RB					107					113					
Sagamie										94					
6 Rowed Hulless															
Bastile									70	78		80	79	86	90
Means (t/ha)	4.36	4.06	4.23	3.70	3.50	4.48	4.41	3.80	3.60	3.45	4.76	4.89	4.64	4.64	4.03
Means (bu/ac)	81	76	79	69	65	83	82	71	67	64	88	91	86	86	75
Locations	15	11	7	4	2	11	9	7	5	3	12	10	8	5	2

¹ Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.

² Cultivar yield ranking may vary from year to year. Decisions are therefore best made using data with the greatest number of years

[Ⓞ] PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

SPRING BARLEY — AREA II

Varietal Characteristics

Variety	Class ¹	Test Weight (kg/hL)	1000 Kernel Weight(g)	Height (cm)	Lodging ² (0-9)	Heading ³ (days)	Maturity ³ (days)	Straw Yield Index
AC Kings	2R	60.8	48.3	77	1.8	49	74	101
Bornholm	2R	63.1	45.2	67	0.3	50	74	130
Conestogo	2R	61.2	45.5	74	4.5	49	74	104
AAC Purpose®	2R	59.2	54.1	73	3.3	52	78	113
Dundee	2R	60.4	46.7	68	2.5	50	75	92
Champion®	2R	60.9	49.1	61	0.8	51	77	90
AAC Synergy®	2R	56.6	46.9	72	3.0	49	74	97
Newport	2R	62.5	46.7	68	4.3	48	74	74
Cyane	6R	57.4	51.5	77	0.0	51	77	109
Dignity	6R	57.6	46.8	71	0.0	50	76	107
OAC Laverne	6R	62.6	48.0	76	0.0	48	77	81
Amberly	6R	58.2	44.4	77	0.0	54	81	129
HY 621-6R	6R	57.1	50.3	74	1.0	46	74	74
OAC Belwood	6R	60.6	52.7	68	1.3	47	74	92
AAC Vitality	6R	50.2	41.6	76	1.8	54	79	88
DS7176RB	6R	50.7	53.0	73	0.0	50	75	111
Marden	6R	58.8	47.3	74	0.8	48	74	81
Baden	6R	56.6	37.5	67	0.0	51	75	110
DS8126RB	6R	58.3	45.3	70	0.0	51	78	120
Means		58.6	47.4	72	1.3	50	76	2.13 t/ha
Locations		2	1	2	1	2	1	1

1 2R = 2 Row, 6R = 6 Row

2 For ratings 0-9, a high score is undesirable.

3 Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

® PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

FIELD NOTES

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Varietal Characteristics

Variety	Class ¹	Test Weight (kg/hL)	1000 Kernel Weight(g)	Height (cm)	Heading ² (days)	Maturity ² (days)	Straw Yield Index
Bornholm	2R	65.3	37.8	61	53	73	100
Conestogo	2R	63.1	37.1	71	52	73	121
AAC Purpose [®]	2R	60.7	43.1	75	55	75	94
Dundee	2R	62.1	36.7	70	54	74	58
Champion [®]	2R	61.1	37.3	61	54	75	87
AAC Bell [®]	2R	62.0	41.9	70	55	75	93
AAC Ling [®]	2R	61.1	43.6	70	56	75	99
AAC Synergy [®]	2R	59.2	37.9	65	55	75	96
Newport	2R	62.3	37.3	65	51	73	101
Cyane	6R	57.2	36.4	77	55	75	111
Dignity	6R	60.2	32.7	72	53	74	90
OCEANIK	6R	57.3	34.4	76	54	74	97
OAC Laverne	6R	62.2	34.4	78	52	75	93
Harmony	6R	58.4	35.6	79	55	75	80
Amberly	6R	59.2	36.8	74	55	75	103
HY 621-6R	6R	59.2	36.1	72	49	71	120
AAC Mirabel	6R	55.8	33.7	74	55	75	113
OAC Belwood	6R	60.8	37.4	66	49	74	102
Masky	6R	60.2	32.3	73	56	75	93
Chambly	6R	57.6	36.3	70	55	75	101
AAC Vitality	6R	58.3	34.5	73	56	76	97
DS7176RB	6R	56.2	37.2	75	52	73	91
Marden	6R	58.8	34.9	70	49	72	107
Baden	6R	59.1	30.0	60	52	74	133
DS8126RB	6R	58.9	35.5	71	54	75	86
Sagamie	6R	58.0	33.5	68	58	76	110
Bastile	6R hulless	70.7	28.7	71	57	75	125
Means		60.2	36.0	71	54	74	2.17 t/ha
Locations		3	3	2	2	2	1

1 2R = 2 Row, 6R = 6 Row

2 Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

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SPRING BARLEY — AREA V

Varietal Characteristics

Variety	Class ¹	Test Weight (kg/hL)	1000 Kernel Weight(g)	Height (cm)	Lodging ² (0-9)	Heading ³ (days)	Maturity ³ (days)	Straw Yield Index
AAC Purpose☉	2R	57.8	46.6	82	2.5	57	80	140
Dundee	2R	60.1	40.2	75	1.3	58	77	131
AAC Bell☉	2R	59.7	43.1	80	1.3	60	81	138
AAC Ling☉	2R	59.3	44.2	79	1.3	61	82	107
OCEANIK	6R	56.0	38.7	78	1.0	57	77	103
Harmony	6R	58.0	41.2	81	1.5	55	83	110
Synasolis	6R	56.4	36.0	67	1.5	58	83	99
Amberly	6R	59.5	41.3	80	1.5	55	81	93
Alyssa	6R	57.4	38.1	74	1.0	59	81	95
AAC Mirabel	6R	54.8	38.4	75	1.8	57	83	96
Boroe	6R	56.7	37.6	80	1.0	55	81	97
Masky	6R	58.8	36.4	72	1.3	57	79	86
Chambly	6R	56.8	40.7	71	1.0	54	82	68
AAC Vitality	6R	56.2	39.7	79	1.3	57	81	109
AAC Montrose☉	6R	55.6	39.1	77	1.0	55	82	109
Marden	6R	56.5	38.4	71	1.8	53	77	80
Baden	6R	56.8	33.0	60	2.0	56	76	60
Bastile	6R hulless	68.1	35.5	76	1.0	56	80	80
Means		58.0	39.3	75	1.4	57	80	1.52 t/ha
Locations		2	2	2	1	2	2	1

1 2R = 2 Row, 6R = 6 Row

2 For ratings 0-9, a high score is undesirable.

3 Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

☉ PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

FIELD NOTES

Cumulative Yield Index¹ Summary of Areas II, III & V

Variety	Class ²	Area II					Area III					Area V				
		5 yr ³	4 yr	3 yr	2 yr	2018	5 yr ³	4 yr	3 yr	2 yr	2018	5 yr ³	4 yr	3 yr	2 yr	2018
Furano	HRS						103	101	101	101	101	100	102	103	100	100
MAJOR	HRS						102	100	100	100	101	96	95	94	92	97
Fuzion	HRS						95	95	95	95	94	99	98	99	97	103
Wilkin [Ⓢ]	HRS	107	110	116	118	106	103	105	104	104	105	106	106	106	106	94
AAC Scotia [Ⓢ]	HRS-a	98	94	92	91	98	109	108	107	107	104	107	106	109	111	112
TOPAZE	HRS-a						97	95	99	97	96					
AAC Brandon [Ⓢ]	HRS-a															98
Easton [Ⓢ]	HRS-a	111	113	115	123	110	109	109	109	111	102	105	105	106	108	93
Dakosta [Ⓢ]	HRS-a														103	102
Moka	HRS					77	92	93	92	91	92	98	97	96	98	95
RGT Presidio	HRS									102	104				99	104
Raven [Ⓢ]	HRS-a			121	129	109			108	109	105			109	107	103
Ventry	HRS			108	110	107			100	101	102			97	101	98
DS206HRS	HRS			99	96	86			92	92	93					
AAC Synox	HRS-a										100					96
Toundra	HRS-a					92				99	97				93	91
Hoffman	EFS-a	100	93	86	96	104	107	107	105	101	108	107	108	106	119	
Bangor	EFS-a					113				101	100				96	105
Dagon [Ⓢ]	EFS-a				89	110				109	105				96	99
Means (t/ha)		4.25	4.12	3.62	3.30	4.15	3.62	3.76	3.46	3.15	3.09	4.11	4.14	3.88	3.70	3.70
Means (bu/ac)		63	61	54	49	62	54	56	52	47	46	61	62	58	55	55
Locations		14	10	6	3	1	15	12	9	6	3	13	11	9	6	3

1 Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.

2 HRS = hard red spring, EFS = eastern feed spring, -a = awned

3 Cultivar yield ranking may vary from year to year. Decisions are therefore best made using data with the greatest number of years

Ⓢ[Ⓢ] PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

FIELD NOTES

SPRING WHEAT — AREA II

Varietal Characteristics

Variety	Class ¹	Fusarium Data			Test Weight (kg/hL)	1000 Kernel Weight (g)	Height (cm)	Heading ³ (days)	Maturity ³ (days)
		Combined ² Fusarium Rating	Don ² Rating	Years					
Wilkin [Ⓞ]	HRS	S	S	9	71.2	31.4	73	48	77
AAC Scotia [Ⓞ]	HRS-a	MR	MR	9	68.5	31.4	93	49	78
Easton [Ⓞ]	HRS-a	MS	MS	7	71.7	29.8	72	51	79
Moka	HRS	MS	MS	4	71.2	37.1	86	45	76
Raven [Ⓞ]	HRS-a	MS	S	4	71.4	35.4	77	49	79
Ventry	HRS	MS	MS	4	71.3	39.0	92	46	76
DS206HRS	HRS	MS	MS	4	70.5	34.1	61	45	77
Toundra	HRS-a	MR	MR	1	72.5	35.5	90	48	77
Hoffman	EFS-a	S	HS	6	69.1	42.7	87	50	78
Bangor	EFS-a	MR	MS	1	68.5	35.4	88	50	79
Dagon [Ⓞ]	EFS-a	MS	S	1	70.5	29.2	73	50	79
Means					70.6	34.6	81	48	77
Locations					1	1	1	1	1

1 HRS = hard red spring, EFS = eastern feed spring, -a = awned

2 Combined Fusarium Ratings are based on BOTH Fusarium head blight ratings and deoxynivalenol (DON) levels from inoculated provincial trials. DON Ratings are based only on DON levels from inoculated provincial trials.

MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst)

3 Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

Ⓞ PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

Cumulative Yield Index¹ Summary – Intensive Trials

Class ²	Variety	4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2018 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes
hrs	Sable (awned)	99	113	101	116	101	121	98	131
	HY 124-HRS (awned)	97	107	97	105	95	106	95	116
	Wilkin [Ⓞ]	101	115	105	117	107	123	111	136
	AAC Scotia (awned) [Ⓞ]	93	101	88	95	87	95	79	90
	Easton (awned) [Ⓞ]	107	118	108	117	109	121	116	144
	AAC Fairwind (awned) [Ⓞ]	98	110	98	108	97	113	98	127
	Dakosta (awned) [Ⓞ]							70	83
	SS Blomidon	89	96	86	92	82	87	69	77
	Raven (awned) [Ⓞ]					115	122	124	139
	Ventry					98	106	99	113
DS206HRS					94	102	90	106	
other	Pasteur			102	115	101	116	95	122
efs	HY 162-HRF (awned)							76	106
	Hoffman (awned)	96	111	92	106	85	108	83	111
	Dagon (awned) [Ⓞ]							70	97
trit	Sonika (awned)			98	107	98	107	90	107
Means (t/ha)		3.93	4.36	3.86	4.21	3.53	3.98	2.98	3.66
Means (bu/ac)		58.4	64.8	57.4	62.6	52.5	59.2	44.3	54.4
Location – Years		8		6		4		2	

1 Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.

Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

2 hrs = hard red spring, efs = eastern feed spring, trit = triticale, other = does not meet quality standards for CEHRS.

Fungicide treatments included a T1 application of foliar fungicide at Zadoks Growth Stage 30 to 31, followed by a T3 application of fusarium fungicide during flowering.

The OCCC is thankful to the Grain Farmers of Ontario, BASF, Bayer and Syngenta for their financial support towards the intensive trials.

Ⓞ PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

Varietal Characteristics

Variety	Class ¹	Fusarium Data			Test Weight (kg/hL)	Protein %	1000 Kernel		Height (cm)	Heading ⁴ (days)	Maturity ⁴ (days)	Straw Yield Index
		Combined ² Fusarium Rating		Don ² Rating			Years	Weight (g)				
Furano	HRS	MR	MR	10	74.3	14.7	31.1	1.5	93	54	87	81
MAJOR	HRS	MR	MR	10	74.1	14.8	31.1	1.9	93	55	88	82
Fuzion	HRS	MS	MS	10	73.1	14.3	30.4	1.8	101	50	86	98
Wilkin [Ⓞ]	HRS	S	S	9	73.1	14.6	29.5	0.0	84	50	85	102
AAC Scotia [Ⓞ]	HRS-a	MR	MR	9	72.0	14.1	32.0	1.4	100	53	85	112
TOPAZE	HRS-a	MR	MS	7	71.8	14.7	25.9	0.0	85	56	87	123
Easton [Ⓞ]	HRS-a	MS	MS	7	73.8	14.4	26.7	0.0	79	53	85	92
Moka	HRS	MS	MS	4	74.7	14.9	33.1	1.4	99	48	83	89
RGT Presidio	HRS	S	HS	1	71.9	13.6	27.0	0.8	79	54	87	93
Raven [Ⓞ]	HRS-a	MS	S	4	73.3	13.5	31.0	0.0	89	51	86	119
Ventry	HRS	MS	MS	4	75.3	14.6	33.6	0.4	101	47	83	96
DS206HRS	HRS	MS	MS	4	74.8	15.0	31.1	0.7	81	46	83	64
AAC Synox	HRS-a	MS	MS	1	76.7	14.9	28.5	0.0	93	50	84	103
Toundra	HRS-a	MR	MR	1	75.9	15.5	33.1	0.9	102	49	85	126
Hoffman	EFS-a	S	HS	6	72.3	13.6	33.7	0.5	96	51	86	121
Bangor	EFS-a	MR	MS	1	70.4	13.9	30.7	0.0	95	52	87	115
Dagon [Ⓞ]	EFS-a	MS	S	1	72.9	14.1	26.3	0.0	82	52	85	84
Means					73.5	14.4	30.3	0.7	91	51	85	3.44 t/ha
Locations					3	3	3	2	3	3	1	1

- 1 HRS = hard red spring, EFS = eastern feed spring, TRIT = triticale, Other = does not meet quality standards for CEHRS, -a = awned
 - 2 Combined Fusarium Ratings are based on BOTH Fusarium head blight ratings and deoxynivalenol (DON) levels from inoculated provincial trials. DON Ratings are based only on DON levels from inoculated provincial trials.
MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst)
 - 3 For ratings 0-9, a high score is undesirable.
 - 4 Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.
- [Ⓞ] PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

Cumulative Yield Index¹ Summary – Intensive Trials

Class ²	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2018 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
hrs	Furano	99	104	98	103	99	107	96	106	101	106
	MAJOR	92	99	91	100	91	102	89	101	88	100
	Fuzion [Ⓞ]	91	97	89	97	91	100	87	98	87	94
	Wilkin [Ⓞ]	91	104	93	105	94	105	94	108	107	106
	AAC Scotia (awned) [Ⓞ]	105	110	105	111	105	113	103	110	99	103
	TOPAZE (awned)	95	103	94	103	94	103	95	103	98	99
	Easton (awned) [Ⓞ]	99	113	99	114	99	116	101	120	98	114
	Moka	92	102	93	104	87	100	86	102	90	95
	RGT Presidio							95	115	103	113
	Raven (awned) [Ⓞ]					105	115	106	117	107	114
	Ventry					93	101	93	105	101	108
	DS206HRS					79	91	77	92	82	96
	AAC Synox (awned)									98	102
Toundra (awned)							93	100	95	96	
efs	Hoffman (awned)	107	118	107	120	110	124	105	122	115	112
	Bangor (awned)							97	109	95	102
	Dagon (awned) [Ⓞ]							99	109	97	105
Means (t/ha)		4.41	4.85	4.91	5.44	4.31	4.84	4.04	4.67	4.84	5.14
Means (bu/ac)		65.5	72.2	73.0	80.9	64.1	72.0	60.0	69.5	72.0	76.4
Location – Years			5		4		3		2		1

- 1 Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.
Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.
- 2 hrs = hard red spring, efs = eastern feed spring.
Fungicide treatments included a T1 application of foliar fungicide at Zadoks Growth Stage 30 to 31, followed by a T3 application of fusarium fungicide during flowering.
The OCCC is thankful to the Grain Farmers of Ontario, BASF, Bayer and Syngenta for their financial support towards the intensive trials.
[Ⓞ] PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

SPRING WHEAT — AREA V

Varietal Characteristics

Variety	Class ¹	Fusarium Data			Test Weight (kg/hL)	Protein %	1000		Heading ³ (days)	Maturity ³ (days)	Straw Yield Index
		Combined ² Fusarium Rating	Don ² Rating	Years			Kernel Weight (g)	Height (cm)			
Furano	HRS	MR	MR	10	74.0	15.4	35.8	85	55	89	117
MAJOR	HRS	MR	MR	10	73.4	14.6	36.5	88	55	89	138
Fuzion	HRS	MS	MS	10	75.0	14.8	37.0	94	51	87	111
Wilkin [Ⓞ]	HRS	S	S	9	72.3	14.8	32.3	70	50	86	94
AAC Scotia [Ⓞ]	HRS-a	MR	MR	9	73.8	13.6	38.4	90	53	88	101
AAC Brandon [Ⓞ]	HRS-a	—	—	—	75.9	15.3	33.8	69	50	86	89
Easton [Ⓞ]	HRS-a	MS	MS	7	74.3	14.8	31.2	68	54	89	128
Dakosta [Ⓞ]	HRS-a	MR	MR	1	75.5	15.1	35.9	84	51	87	80
Moka	HRS	MS	MS	4	75.2	15.1	39.4	84	50	85	66
RGT Presidio	HRS	S	HS	1	73.3	14.2	31.8	73	54	89	79
Raven [Ⓞ]	HRS-a	MS	S	4	74.8	13.9	36.9	82	51	88	108
Ventry	HRS	MS	MS	4	75.5	15.6	37.9	86	50	86	77
AAC Synox	HRS-a	—	—	—	77.1	15.7	32.6	82	51	87	71
Toundra	HRS-a	MR	MR	1	75.4	16.1	35.6	92	50	86	133
Hoffman	EFS-a	S	HS	6	74.2	13.3	43.0	89	50	87	126
Bangor	EFS-a	MR	MS	1	72.6	14.0	37.3	90	51	88	101
Dagon [Ⓞ]	EFS-a	MS	S	1	75.3	14.8	30.7	70	54	89	81
Means					74.6	14.8	35.7	82	52	87	3.19 t/ha
Locations					3	2	3	3	3	3	2

1 HRS = hard red spring, EFS = eastern feed spring, -a = awned

2 Combined Fusarium Ratings are based on BOTH Fusarium head blight ratings and deoxynivalenol (DON) levels from inoculated provincial trials.

DON Ratings are based only on DON levels from inoculated provincial trials.

MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst)

3 Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

Ⓞ PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

Cumulative Yield Index¹ Summary – Intensive Trials

Class ²	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2018 Index Fungicides		
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	
hrs	Furano	99	98	100	99	103	99	104	98	100	103	
	MAJOR	96	94	97	94	97	92	97	91	101	101	
	Fuzion	96	101	95	100	96	102	94	105	105	108	
	Wilkin [Ⓞ]	106	105	106	107	108	108	112	111	85	87	
	AAC Scotia (awned) [Ⓞ]	103	107	103	108	106	110	108	116	118	120	
	AAC Brandon (awned) [Ⓞ]									101	109	
	Easton (awned) [Ⓞ]	106	108	108	111	111	112	117	116	84	88	
	Dakosta (awned) [Ⓞ]							93	97	95	94	
	Moka	95	98	93	98	93	96	92	96	94	95	
	RGT Presidio							104	110	115	114	
	Raven (awned) [Ⓞ]						110	108	111	107	102	107
	Ventry						90	94	92	95	92	94
	AAC Synox (awned)										90	93
Toundra (awned)								80	85	82	84	
efs	Hoffman (awned)			102	119	100	120	95	121	119	136	
	Bangor (awned)							86	96	101	103	
	Dagon (awned) [Ⓞ]							89	100	99	102	
Means (t/ha)		4.81	5.04	4.76	5.04	4.35	4.57	3.47	3.72	2.98	3.08	
Means (bu/ac)		71.5	74.9	70.7	74.9	64.7	67.9	51.6	55.3	44.2	45.8	
Location – Years			5		4		3		2		1	

1 Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.

Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

2 hrs = hard red spring, efs = eastern feed spring, trit = triticale, other = does not meet quality standards for CEHRS.

Fungicide treatments included a T1 application of foliar fungicide at Zadoks Growth Stage 30 to 31, followed by a T3 application of fusarium fungicide during flowering.

The OCCC is thankful to the Grain Farmers of Ontario, BASF, Bayer and Syngenta for their financial support towards the intensive trials.

Ⓞ PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.

Varietal Characteristics

Variety	Fusarium Data			Test Weight (kg/hL)	Protein %	1000		Lodging ² (0-9)	Height (cm)	Heading ³ Date (JD)	Maturity Date (JD)
	Combined ¹ Fusarium Rating	Don ¹ Rating	Years			Kernel Weight (g)	Winter Survival (%)				
Ava	MR	MR	9	77.2	11.5	32.7	100	0.0	86	153	189
E0028W	HS	HS	8	75.3	11.9	38.1	100	0.4	75	151	188
25W31⓪	MS	S	3	79.4	13.0	28.2	100	0.0	74	152	190
Branson	S	MS	9	76.0	11.8	32.0	100	0.9	75	150	187
Wave	S	MS	9	78.7	12.6	32.6	100	0.3	83	151	187
CM614	MS	MS	8	78.6	11.9	34.8	100	1.4	78	151	188
Secord	S	MS	7	77.4	12.2	34.3	100	0.5	79	151	190
25R40	S	S	6	76.5	11.9	33.5	100	0.3	68	151	190
Emperor⓪	MS	MR	6	76.7	12.1	33.6	100	1.3	84	150	187
Marker	MR	MR	5	75.6	11.5	28.5	100	0.0	76	152	188
UGRC Ring⓪	MS	MR	5	76.5	12.1	34.5	95	0.0	76	150	190
25R46	MS	MS	4	78.3	12.4	32.0	100	0.0	71	151	190
Cruze	MS	MR	3	79.0	12.3	32.0	100	0.3	70	150	188
DS572SRW⓪	S	HS	3	80.0	11.8	39.8	100	0.8	87	152	187
Drew	MS	MR	2	78.3	12.4	29.8	100	0.0	72	150	190
Measure	MS	MR	1	77.0	12.5	34.0	100	0.9	77	151	187
B654SRW⓪	S	S	2	76.7	10.9	33.6	100	2.8	83	151	184
B743SRW⓪	MS	MS	2	78.8	12.7	33.8	100	1.9	81	153	188
25R61⓪	MR	MR	1	76.0	12.3	30.2	100	0.0	77	150	190
25R74⓪	MR	MR	1	77.1	12.4	28.1	93	0.0	70	150	190
AC Morley	MR	MR	9	79.0	13.2	34.4	100	1.4	93	152	187
Priesley	S	MS	8	75.3	12.3	36.2	100	0.0	71	152	189
Gallus⓪	MS	S	7	79.9	13.3	38.4	100	0.0	75	151	190
JDC78⓪	S	S	2	77.3	12.8	34.4	100	0.9	70	152	190
Arnold	MS	MR	1	82.1	14.9	38.1	100	0.0	81	153	191
Lexington⓪	—	—	—	80.4	13.8	40.6	100	1.0	77	152	187
Frontenac	—	—	—	79.0	12.9	37.3	100	0.8	89	151	191
Means				77.9	12.4	33.9	100	0.6	78	151	189
Locations				3	3	3	1	2	3	2	1

For traits not reported on this table see other area trait tables or previous year's performance trials. Not all traits are expressed in any given year or area. Head to Head comparisons on GoCereals.ca website give multi-year data for trait characteristics.

1 Combined Fusarium Ratings are based on BOTH Fusarium head blight ratings and deoxynivalenol (DON) levels from inoculated provincial trials.

DON Ratings are based only on DON levels from inoculated provincial trials.

MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst).

2 For ratings 0-9, a high score is undesirable.

3 Heading may vary from year to year and should only be used to indicate relative differences.

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WINTER WHEAT — AREA I (continued)

Cumulative Yield Index¹

Class ²	Variety	5 year	4 year	3 year	2 year	2018
sww	25W31 (awned)⓪		102	101	103	105
	Ava				97	96
	E0028W				99	102
srw	Branson	104	104	104	104	105
	Wave	98	98	98	100	101
	CM614	103	104	103	104	103
	Secord (awned)	104	104	104	104	103
	25R40 (awned)	109	109	111	108	105
	Emperor⓪	100	99	100	101	105
	Marker	103	103	104	103	103
	UGRC Ring (awned)⓪	104	104	105	102	100
	25R46 (awned)	97	95	94	97	101
	Cruze (awned)		104	105	101	98
	DS572SRW[]		104	104	108	109
	Drew (awned)			96	96	96
	B654SRW⓪			106	103	103
	B743SRW⓪			103	100	96
	Measure (awned)				100	96
25R61 (awned)⓪				101	104	
25R74 (awned)⓪				105	105	
hrw	AC Morley	94	94	92	96	97
	Priesley	102	103	104	99	99
	Gallus (awned)⓪	97	97	98	95	93
	JDC78 (awned)⓪			107	104	102
	Arnold (awned)				92	94
	Lexington (awned)⓪					94
efw	Frontenac					102
Means (t/ha)		6.01	5.91	5.98	5.85	5.41
Means (bu/ac)		89	88	89	87	81
Location – Years		13	11	9	6	3

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Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

² sww = soft white winter, srw = soft red winter, hrw = hard red winter, efw = eastern feed winter.

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FIELD NOTES

Cumulative Yield Index¹ Summary – Intensive Trials

Class ²	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2018 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
sww	Ava							96	98	97	96
	E0028W							97	104	102	101
	25W31 (awned) †			100	104	99	101	101	102	103	101
srw	Branson	100	105	101	105	102	104	101	104	104	105
	Wave	96	100	96	100	97	100	98	102	100	101
	CM614	100	105	101	105	100	104	102	105	103	103
	Secord (awned)	101	106	101	105	102	105	102	105	103	104
	25R40 (awned)	105	109	105	108	107	107	106	106	104	102
	Emperor †	97	104	96	105	97	105	99	105	103	104
	Marker	101	105	100	106	103	105	102	104	103	101
	UGRC Ring (awned) †	101	107	101	107	102	105	100	104	100	100
	25R46 (awned)	96	106	94	105	93	104	95	104	101	102
	Cruze (awned)			100	105	101	105	100	103	98	101
	DS572SRW]]			101	110	102	109	105	109	107	108
	Drew (awned)					94	104	94	102	96	98
	Measure (awned)							99	100	97	100
	B654SRW †					103	104	101	103	103	103
	B743SRW †					99	102	98	100	97	97
25R61 (awned) †							99	107	103	105	
25R74 (awned) †							103	104	104	103	
hrw	AC Morley	93	98	93	98	92	95	95	98	97	99
	Priesley	99	101	100	101	101	101	97	99	99	100
	Gallus (awned) †	94	98	94	97	95	97	93	94	94	94
	JDC78 (awned) †					104	106	102	104	102	101
	Arnold (awned)							91	91	94	94
	Lexington (awned) †									95	95
Frontenac									102	99	
Means (t/ha)		5.88	6.29	5.73	6.14	5.78	6.10	5.85	6.15	5.41	5.43
Means (bu/ac)		87	94	85	91	86	91	87	91	81	81
Location – Years			12		10		8		6		3

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Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

² sww = soft white winter, srw = soft red winter, hrw = hard red winter, efw = eastern feed winter.

Fungicide treatments included a T1 application of foliar fungicide at Zadoks Growth Stage 30 to 31, followed by a T3 application of fusarium fungicide during flowering.

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† PBR Status; indicates varieties protected under PBR 91. Visit pbrfacts.ca to learn more.

WINTER WHEAT — AREA I & II COMBINED

Cumulative Yield Index¹

Class ²	Variety	5 year	4 year	3 year	2 year	2018
sww	25W31 (awned)⊕		96	94	94	100
	Ava				102	101
	E0028W					105
srw	Branson	106	107	108	108	102
	Wave	97	97	97	95	101
	CM614	105	105	106	105	107
	Secord (awned)	102	103	103	101	102
	25R40 (awned)	109	110	111	110	103
	Emperor⊕	98	97	97	96	103
	Marker	105	104	105	104	103
	UGRC Ring (awned)⊕	105	105	106	104	101
	25R46 (awned)	91	90	88	90	100
	Cruze (awned)		102	102	99	98
	DS572SRW⊕		102	102	102	106
	Drew (awned)			93	92	96
	B654SRW⊕			109	108	102
	B743SRW⊕			106	104	97
	Measure (awned)				102	94
25R61 (awned)⊕				98	104	
25R74 (awned)⊕				108	104	
hrw	AC Morley	95	95	95	98	97
	Priesley	105	105	107	104	101
	Gallus (awned)⊕	101	101	103	100	96
	JDC78 (awned)⊕			103	101	100
	Arnold (awned)				92	92
	Lexington (awned)⊕					95
efw	Frontenac					105
Means (t/ha)		6.06	6.02	6.16	5.88	6.09
Means (bu/ac)		90	90	92	88	91
Location – Years		29	25	20	13	6

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Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

² sww = soft white winter, srw = soft red winter, hrw = hard red winter, efw = eastern feed winter.

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FIELD NOTES

Cumulative Yield Index¹ Summary – Intensive Trials

Class ²	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2018 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
sww	Ava							96	103	99	100
	E0028W									103	102
	25W31 (awned)⓪			93	104	91	102	91	104	100	100
srw	Branson	102	108	103	108	104	108	104	109	104	105
	Wave	93	101	92	102	92	102	90	102	98	101
	CM614	100	106	100	107	100	107	100	108	104	105
	Secord (awned)	98	107	98	108	99	108	98	109	102	105
	25R40 (awned)	104	110	105	110	106	110	105	111	103	102
	Emperor⓪	94	106	93	106	93	106	91	106	103	105
	Marker	101	108	100	108	101	108	100	108	103	103
	UGRC Ring (awned)⓪	100	109	100	109	101	109	98	108	99	102
	25R46 (awned)			87	105	85	106	85	106	100	102
	Cruze (awned)			97	106	97	106	94	106	97	102
	DS572SRW⓪			98	112	98	112	98	113	107	108
	Drew (awned)					89	104	87	104	95	98
	Measure (awned)							99	103	97	101
	B654SRW⓪					105	110	105	111	104	107
	B743SRW⓪					100	105	99	105	96	97
25R61 (awned)⓪							94	109	104	107	
25R74 (awned)⓪							104	108	104	104	
hrw	AC Morley	92	99	93	99	92	97	93	100	96	98
	Priesley	100	104	99	104	100	105	98	105	99	102
	Gallus (awned)⓪	95	99	95	100	97	100	94	98	94	95
	JDC78 (awned)⓪					98	105	97	106	99	101
	Arnold (awned)							88	93	93	93
	Lexington (awned)⓪									94	95
efw	Frontenac									102	101
Means (t/ha)		5.85	6.41	5.76	6.35	5.95	6.53	5.68	6.31	5.83	5.96
Means (bu/ac)		87	95	86	94	89	97	84	94	87	89
Location – Years			23		19		15		10		4

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Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

² sww = soft white winter, srw = soft red winter, hrw = hard red winter, efw = eastern feed winter.

Fungicide treatments included a T1 application of foliar fungicide at Zadoks Growth Stage 30 to 31, followed by a T3 application of fusarium fungicide during flowering.

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FIELD NOTES

WINTER WHEAT — AREA II

Varietal Characteristics

Variety	Fusarium Data			Test Weight (kg/hL)	Protein %	1000 Kernel Weight (g)	Winter Survival (%)	Lodging ² (0-9)	Height (cm)	Heading ³ Date (JD)	Powdery ² Mildew (0-9)	Leaf ² Rust (0-9)	Stripe ² Rust (0-9)	Maturity Date (JD)
	Combined ¹ Fusarium Rating		Years											
	Don ¹ Rating	Fusarium Rating												
Ava	MR	MR	9	75.6	10.5	37.6	97	3.3	93	161	4.3	0.0	2.0	202
E0028W	HS	HS	8	73.8	10.5	42.9	97	5.0	80	159	3.3	1.0	0.5	195
25W31⓪	MS	S	3	75.6	11.8	33.1	95	1.5	74	160	4.5	0.3	0.0	199
Branson	S	MS	9	74.4	10.7	36.7	94	6.0	79	157	4.0	0.0	0.0	195
Wave	S	MS	9	76.8	11.9	36.0	98	2.5	88	160	1.3	0.0	0.0	195
CM614	MS	MS	8	76.7	10.5	41.3	98	5.0	85	158	3.5	0.3	0.5	199
Secord	S	MS	7	74.8	10.8	38.6	100	3.0	82	158	1.5	0.0	0.0	195
25R40	S	S	6	75.0	9.8	40.1	96	2.0	70	159	1.2	0.0	1.5	197
Emperor⓪	MS	MR	6	77.3	11.1	36.2	97	5.8	89	158	4.7	1.3	2.5	199
Marker	MR	MR	5	74.9	10.3	32.4	94	3.0	80	159	1.5	0.3	0.0	199
UGRC Ring⓪	MS	MR	5	74.3	11.0	37.9	95	3.5	82	158	3.8	0.0	1.5	197
25R46	MS	MS	4	74.0	10.5	35.8	97	2.0	76	158	4.7	0.0	0.5	198
Cruze	MS	MR	3	77.1	11.0	36.1	95	2.8	72	158	4.8	0.0	1.5	198
DS572SRW⓪	S	HS	3	78.0	10.8	46.5	93	3.5	91	160	0.8	1.0	2.0	201
Drew	MS	MR	2	75.3	11.5	33.2	90	1.5	73	158	1.5	0.3	1.0	197
Measure	MS	MR	1	77.0	11.5	40.7	92	7.0	84	158	1.7	0.3	0.0	197
B654SRW⓪	S	S	2	75.1	9.9	41.5	99	7.5	90	159	4.5	0.0	0.0	195
B743SRW⓪	MS	MS	2	76.8	11.1	36.3	92	5.5	87	162	3.7	0.0	0.0	200
25R61⓪	MR	MR	1	74.0	10.7	34.9	99	1.5	84	158	5.5	0.0	0.0	194
25R74⓪	MR	MR	1	75.6	11.1	35.0	94	2.3	72	158	1.5	0.0	0.0	200
AC Morley	MR	MR	9	78.5	11.9	38.3	99	5.3	102	162	0.8	0.0	0.0	196
Princeton	S	S	9	77.8	11.3	45.3	99	4.3	88	160	2.2	0.0	0.0	195
Priesley	S	MS	8	75.2	11.3	43.8	99	2.0	77	160	1.7	0.0	0.5	202
Gallus⓪	MS	S	7	78.9	12.2	46.4	98	1.3	86	161	1.0	0.0	0.0	198
JDC78⓪	S	S	2	75.5	11.7	39.8	92	2.3	72	160	2.7	0.0	0.0	203
Arnold	MS	MR	1	79.4	13.6	39.0	95	1.3	87	160	1.0	0.0	1.5	200
Lexington⓪	—	—	—	78.9	11.9	47.3	96	4.0	80	161	3.0	0.0	0.0	197
Frontenac	—	—	—	77.8	11.7	42.9	98	2.8	97	159	1.0	0.0	0.0	195
Means				76.2	11.2	39.1	96	3.5	83	159	2.7	0.2	0.6	198
Locations				3	1	3	2	1	3	3	2	1	1	1

For traits not reported on this table see other area trait tables or previous year's performance trials. Not all traits are expressed in any given year or area.

Head to Head comparisons on GoCereals.ca website give multi-year data for trait characteristics.

1 Combined Fusarium Ratings are based on BOTH Fusarium head blight ratings and deoxynivalenol (DON) levels from inoculated provincial trials.

DON Ratings are based only on DON levels from inoculated provincial trials.

MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst).

2 For ratings 0-9, a high score is undesirable.

3 Heading may vary from year to year and should only be used to indicate relative differences.

⓪PBR Status; indicates varieties protected under PBR 91. Visit pbrfacts.ca to learn more.

Cumulative Yield Index¹

Class ²	Variety	5 year	4 year	3 year	2 year	2018
sww	Ava	106	106	106	107	107
	25W31 (awned)⓪		92	89	87	95
	E0028W					108
srw	Branson	109	110	110	111	100
	Wave	97	96	95	91	100
	CM614	106	107	107	107	111
	Secord (awned)	101	102	103	100	100
	25R40 (awned)	109	110	111	112	102
	Emperor⓪	96	96	94	92	101
	Marker	106	106	106	105	102
	UGRC Ring (awned)⓪	105	106	107	105	102
	25R46 (awned)	85	85	83	84	98
	Cruze (awned)		99	100	96	98
	DS572SRW⓪		100	100	97	104
	Drew (awned)			89	89	96
	B654SRW⓪			110	111	101
	B743SRW⓪			108	108	97
	Measure (awned)				104	92
	25R61 (awned)⓪				96	104
25R74 (awned)⓪				112	104	
hrw	AC Morley	96	96	96	100	98
	Princeton	101	101	104	102	103
	Priesley	108	107	109	109	104
	Gallus (awned)⓪	104	104	106	105	100
	JDC78 (awned)⓪			100	99	97
	Arnold (awned)				92	90
	Lexington (awned)⓪					96
efw	Frontenac					107
Means (t/ha)		6.09	6.10	6.29	5.91	6.76
Means (bu/ac)		91	91	94	88	101
Location – Years		16	14	11	7	3

¹ Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.

Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

² sww = soft white winter, srw = soft red winter, hrw = hard red winter, efw = eastern feed winter.

⓪ PBR Status; indicates varieties protected under PBR 91. Visit pbrfacts.ca to learn more.

WINTER WHEAT — AREA II (continued)

Cumulative Yield Index¹ Summary – Intensive Trials

Class ²	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2018 Index Fungicides		
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	
sww	Ava	101	109	101	109	99	108	97	111	106	111	
	E0028W									103	105	
	25W31 (awned)†			85	103	82	103	75	106	92	98	
srw	Branson	104	112	105	112	105	112	107	116	103	106	
	Wave	91	101	89	103	87	104	77	102	92	101	
	CM614	100	108	99	109	99	110	96	112	109	112	
	Secord (awned)	96	109	95	111	96	112	91	114	100	107	
	25R40 (awned)	103	112	105	113	104	113	105	119	99	102	
	Emperor†	92	107	91	107	88	107	80	107	105	108	
	Marker	101	112	100	110	99	111	98	114	104	110	
	UGRC Ring (awned)†	99	112	99	111	100	113	95	114	96	108	
	25R46 (awned)			79	106	76	107	71	111	96	101	
	Cruze (awned)			94	107	93	108	86	110	94	104	
	DS572SRW†			95	113	94	116	87	119	105	109	
	Drew (awned)					84	104		77	108	93	95
	Measure (awned)							101	107	97	102	
	B654SRW†					107	116	110	121	108	117	
	B743SRW†					101	108	101	112	92	98	
25R61 (awned)†							86	112	105	113		
25R74 (awned)†							107	114	104	105		
hrw	AC Morley	92	101	92	100	91	99	92	104	92	96	
	Princeton	93	105	92	104	95	106	92	107	91	105	
	Priesley	101	108	98	107	99	108	100	114	99	107	
	Gallus (awned)†	97	101	97	103	98	103	95	103	95	99	
	JDC78 (awned)†					92	105	89	109	91	100	
	Arnold (awned)							84	95	88	91	
	Lexington (awned)†									92	94	
efw	Frontenac									102	106	
Means (t/ha)		5.82	6.53	5.79	6.57	6.13	6.98	5.43	6.56	7.07	7.53	
Means (bu/ac)		87	97	86	98	91	104	81	98	105	112	
Location – Years			11		9		7		4		1	

¹ Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.

Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

² sww = soft white winter, srw = soft red winter, hrw = hard red winter, efw = eastern feed winter.

Fungicide treatments included a T1 application of foliar fungicide at Zadoks Growth Stage 30 to 31, followed by a T3 application of fusarium fungicide during flowering.

The OCCC thanks the Grain Farmers of Ontario, BASF, Bayer and Syngenta for their financial support towards the intensive trials.

† PBR Status; indicates varieties protected under PBR 91. Visit pbrfacts.ca to learn more.

Varietal Characteristics

Variety	Fusarium Data			Test Weight (kg/hL)	Protein %	1000		Lodging ² (0-9)	Height (cm)	Heading ³ Date (JD)	Leaf ² Sephoria (0-9)	Straw Yield Index
	Combined ¹ Fusarium Rating	Don ¹ Rating	Years			Kernel Weight (g)	Winter Survival (%)					
Ava	MR	MR	9	72.9	7.8	36.1	91	1.4	98	157	3.9	110
Branson	S	MS	9	73.1	8.3	34.4	90	2.5	84	154	4.4	92
CM614	MS	MS	8	74.0	8.6	37.3	87	1.4	89	156	4.6	107
Secord	S	MS	7	70.6	8.7	37.3	87	0.4	85	157	4.5	105
Emperor†	MS	MR	6	73.2	9.1	34.9	88	1.1	96	154	3.8	110
Marker	MR	MR	5	72.4	8.4	31.2	88	1.6	86	155	4.3	96
UGRC Ring†	MS	MR	5	65.9	8.6	36.6	85	0.6	90	156	4.1	90
DS572SRW†	S	HS	3	74.5	8.7	45.3	83	0.8	98	156	4.4	91
Drew	MS	MR	2	73.1	9.0	32.7	90	0.3	79	156	5.1	85
Measure	MS	MR	1	73.6	9.2	38.7	86	2.9	89	155	5.0	87
B654SRW†	S	S	2	73.1	8.1	37.7	92	1.4	95	156	4.1	105
B743SRW†	MS	MS	2	74.1	9.7	35.5	82	2.0	95	156	3.9	81
AC Morley	MR	MR	9	74.5	10.2	38.3	89	1.9	111	157	3.7	140
Princeton	S	S	9	74.0	9.3	43.4	90	0.5	100	157	5.0	118
Priesley	S	MS	8	72.7	9.9	41.2	94	0.0	80	156	4.5	103
Gallus†	MS	S	7	75.3	10.0	43.7	90	0.1	87	156	4.1	79
JDC78†	S	S	2	72.5	9.5	39.1	90	1.0	76	156	4.8	89
Lexington†	—	—	—	75.8	10.6	43.9	93	0.5	88	156	4.4	111
Frontenac	—	—	—	75.6	8.8	43.6	91	0.5	102	156	4.9	102
Means				73.2	9.1	38.5	89	1.1	91	156	4.4	2.49t/ha
Locations				3	1	3	2	2	3	1	2	1

For traits not reported on this table see other area trait tables or previous year's performance trials. Not all traits are expressed in any given year or area.

Head to Head comparisons on GoCereals.ca website give multi-year data for trait characteristics.

1 Combined Fusarium Ratings are based on BOTH Fusarium head blight ratings and deoxynivalenol (DON) levels from inoculated provincial trials.

DON Ratings are based only on DON levels from inoculated provincial trials.

MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst).

2 For ratings 0-9, a high score is undesirable.

3 Heading may vary from year to year and should only be used to indicate relative differences.

† PBR Status; indicates varieties protected under PBR 91. Visit pbrfacts.ca to learn more.

FIELD NOTES

WINTER WHEAT – Area III (continued)

Cumulative Yield Index¹

Class ²	Variety	5 year	4 year	3 year	2 year	2018
sww	Ava	102	102	102	101	105
srw	Branson	103	103	104	105	101
	CM614	104	104	104	100	103
	Secord (awned)	103	102	103	103	103
	Emperor [‡]	97	97	98	99	100
	Marker	104	104	104	103	103
	UGRC Ring (awned) [‡]	105	106	106	103	101
	DS572SRW [‡]		104	105	103	104
	Drew (awned)			100	101	101
	B654SRW [‡]			106	108	105
	B743SRW [‡]			99	96	92
	Measure (awned)				98	96
	hrw	AC Morley	94	94	93	90
Princeton		98	98	99	98	104
Priesley		102	101	100	102	106
Gallus (awned) [‡]		98	98	100	101	99
JDC78 (awned) [‡]				97	101	99
Lexington (awned) [‡]						100
efw	Frontenac					103
Means (t/ha)		5.68	5.74	6.17	7.06	7.27
Means (bu/ac)		85	85	92	105	108
Location – Years		12	10	7	5	3

¹ Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries. Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

² sww = soft white winter, srw = soft red winter, hrw = hard red winter, efw = eastern feed winter.

[‡] PBR Status; indicates varieties protected under PBR 91. Visit pbrfacts.ca to learn more.

FIELD NOTES

Cumulative Yield Index¹ Summary – Intensive Trials

Class ²	Variety	2017 Index Fungicides	
		No	Yes
sww	Ava	87	102
	25W31 (awned) †	98	101
srw	Emmit	105	113
	Branson	106	112
	CM614	76	91
	WB425 (awned) †	97	118
	Secord (awned)	95	102
	25R34 (awned)	92	106
	25R40 (awned)	99	112
	HY 412-SRW †	96	104
	Emperor †	97	104
	OAC Flight (awned) †	101	103
	Marker	105	109
	UGRC Ring (awned) †	102	111
	25R46 (awned)	104	110
	Cruze (awned)	108	108
	DS572SRW †	108	104
	Drew (awned)	98	103
	UGRC GL164	105	110
Measure (awned)	97	97	
B654SRW[]	103	112	
B743SRW †	93	106	
25R61 (awned) †	105	113	
25R74 (awned) †	109	104	
hrw	AC Morley	89	88
	AC Sampson	81	102
	Princeton	84	108
	Priesley	88	100
	Gallus (awned) †	99	103
	HY 301-HRW †	92	95
	JDC78 (awned) †	97	104
	Arnold (awned)	49	55
Means (t/ha)	6.74	7.28	
Means (bu/ac)	100	108	
Location – Years	1		

1 Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.

Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

2 sww = soft white winter, srw = soft red winter, hrw = hard red winter, efw = eastern feed winter.

Fungicide treatments included a T1 application of foliar fungicide at Zadoks Growth Stage 30 to 31, followed by a T3 application of fusarium fungicide during flowering.

The OCCO thanks the Grain Farmers of Ontario, BASF, Bayer and Syngenta for their financial support towards the intensive trials.

† PBR Status; indicates varieties protected under PBR 91. Visit pbrfacts.ca to learn more.

WINTER WHEAT — AREA V

Varietal Characteristics

Variety	Fusarium Data			Test Weight (kg/hL)	1000 Kernel Weight (g)	Height (cm)
	Combined ¹ Fusarium Rating	Don ¹ Rating	Years			
CM614	MS	MS	8	69.0	34.8	79
Marker	MR	MR	5	71.5	28.4	77
Cruze	MS	MR	3	73.2	32.1	71
Drew	MS	MR	2	69.8	31.6	72
AC Morley	MR	MR	9	73.2	37.6	102
Princeton	S	S	9	69.8	40.8	84
Priesley	S	MS	8	69.4	36.4	76
JDC78 [‡]	S	S	2	69.8	35.1	67
Lexington [‡]	—	—	—	71.1	37.4	75
Frontenac	—	—	—	73.2	38.6	87
Means				71.0	35.3	79
Locations				1	1	1

For traits not reported on this table see other area trait tables or previous year's performance trials. Not all traits are expressed in any given year or area. Head to Head comparisons on GoCereals.ca website give multi-year data for trait characteristics.

¹ Combined Fusarium Ratings are based on BOTH Fusarium head blight ratings and deoxynivalenol (DON) levels from inoculated provincial trials.

DON Ratings are based only on DON levels from inoculated provincial trials.

MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst).

[‡] PBR Status; indicates varieties protected under PBR 91. Visit pbrfacts.ca to learn more.

Cumulative Yield Index¹

Class ²	Variety	2018
srw	CM614	98
	Marker	116
	Cruze (awned)	102
	Drew (awned)	66
hrw	Princeton	105
	Priesley	106
	AC Morley	116
	JDC78 (awned) [‡]	65
	Lexington (awned) [‡]	74
efw	Frontenac	115
Means (t/ha)		3.15
Means (bu/ac)		47
Location – Years		1

¹ Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.

Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

² sww = soft white winter, srw = soft red winter, hrw = hard red winter, efw = eastern feed winter.

[‡] PBR Status; indicates varieties protected under PBR 91. Visit pbrfacts.ca to learn more.

Cumulative Yield Index¹ Summary – Intensive Trials*

Class ²	Variety	Fungicides		Fungicides	
		No	Yes	No	Yes
sww	Ava	99	95	99	92
srw	CM614	95	97	99	99
	HY 412-SRW [‡]	108	109	114	114
	UGRC C2-5			103	103
	DS572SRW [‡]			99	96
	UGRC GL164			109	106
	B654SRW [‡]			97	101
	B743SRW [‡]			99	97
	Curtis [‡]			103	101
hrw	Princeton	95	98	94	94
	Priesley	107	106	105	99
	Gallus (awned) [‡]	92	92	87	86
Means (t/ha)		7.77	7.84	7.52	7.37
Means (bu/ac)		116	117	112	110
Location – Years		2		1	

1 Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.

Variety yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

2 sww = soft white winter, srw = soft red winter, hrw = hard red winter, ewf = eastern feed winter.

* Data for 2016 presented as 2017-2018 trials did not survive.

Fungicide treatments included a T1 application of foliar fungicide at Zadoks Growth Stage 30 to 31, followed by a T3 application of fusarium fungicide during flowering.

The OCCC thanks the Grain Farmers of Ontario, BASF, Bayer and Syngenta for their financial support towards the intensive trials.

[‡] PBR Status; indicates varieties protected under PBR 91. Visit pbrfacts.ca to learn more.

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OAC Markdale	Rosebank Seed Farms Ltd.
RC Amaze	Rosebank Seed Farms Ltd.
Dieter	SeCan Association
Avatar	Pedigrain
Hidalgo	Synagri
Vitality	Synagri
AAC Bullet	SeCan Association
AAC Roskens	SeCan Association
Nice	Elite Seeds
AAC Almonte	Advantage Seed Growers
CDC Orrin	Semican Inc
AAC Richmond	Semican Inc
AAC Oaklin	C & M Seeds
Kara	Elite Seeds
Akina	Elite Seeds
AAC Nicolas	SeCan Association
AAC Kolosse	William Houde Ltd
AAC Noranda	Semican Inc
AAC Blake	SeCan Association
AAC Banner	SeCan Association
AAC Torrent	Advantage Seed Growers

SPRING BARLEY

2 Row	
AC Kings	Bramhill Seeds
Bornholm	Alliance Agri-Turf
Conestogo	SeCan Association
AAC Purpose	Bramhill Seeds
Dundee	SeCan Association
Champion	Semican Inc
AAC Bell	SeCan Association
AAC Ling	SeCan Association
AAC Synergy	Semican Inc
Newport	Semican Inc
6 Row	
Cyane	Elite Seeds
Dignity	SeCan Association
OCEANIK	Synagri
OAC Laverne	Bramhill Seeds
Harmony	Synagri
Synasolis	Synagri
Amberly	Rosebank Seed Farms Ltd.
HY 621-6R	Alliance Agri-Turf
Alyssa	Elite Seeds
AAC Mirabel	SeCan Association
OAC Belwood	SeCan Association
Boroe	Elite Seeds
Masky	Synagri
Chambly	Semences Prograin Inc
AAC Vitality	Advantage Seed Growers
DS7176RB	Alliance Agri-Turf
AAC Montrose	SeCan Association
Marden	SeCan Association
Baden	SeCan Association
DS8126RB	Alliance Agri-Turf
Sagamie	Pedigrain
6r hullless	
Bastile	Synagri

SPRING WHEAT

Hard Red Spring	
Furano	C & M Seeds
MAJOR	Synagri
Fuzion	Semences Prograin Inc
Wilkin	C & M Seeds
AAC Scotia (awned)	Semican Inc
TOPAZE (awned)	Pedigrain
AAC Brandon (awned)	SeCan Association

SPRING WHEAT

Easton (awned)	C & M Seeds
Dakosta (awned)	Elite Seeds
Moka	Semican Inc
RGT Presidio	Synagri
Raven (awned)	C & M Seeds
Ventry	SeCan Association
DS206HRS	Alliance Agri-Turf
AAC Synox (awned)	Synagri
Toundra (awned)	Semican Inc
Eastern Feed Spring	
Hoffman (awned)	Elite Seeds
Bangor (awned)	Semican Inc
Dagon (awned)	Elite Seeds

WINTER WHEAT

Soft White Winter	
Ava	Brevant Seeds
E0028W	SeCan Association
25W31 (awned)	Pioneer Hi-Bred
Soft Red Winter	
Branson	Brevant Seeds
Wave	SeCan Association
CM614	C & M Seeds
Secord (awned)	SeCan Association
25R40 (awned)	Pioneer Hi-Bred
Emperor	SeCan Association
Marker	Bramhill Seeds
UGRC Ring (awned)	Elite Seeds
25R46 (awned)	Pioneer Hi-Bred
Cruze (awned)	C & M Seeds
DS572SRW	Brevant Seeds
Drew (awned)	C & M Seeds
Measure (awned)	Bramhill Seeds
B654SRW	Brevant Seeds
B743SRW	Brevant Seeds
25R61 (awned)	Pioneer Hi-Bred
25R74 (awned)	Pioneer Hi-Bred
Hard Red Winter	
AC Morley	Advantage Seed Growers
Princeton	C & M Seeds
Priesley	C & M Seeds
Gallus (awned)	C & M Seeds
JDC78 (awned)	C & M Seeds
Arnold (awned)	C & M Seeds
Lexington (awned)	C & M Seeds
Eastern Feed Winter	
Frontenac	Semican Inc

DISTRIBUTOR

PHONE NUMBER

Advantage Seed Growers	1-519-440-6406
Alliance Agri-Turf	1-519-440-6406
Beatty Seeds Ltd.	1-613-393-2333
Bramhill Seeds	1-519-343-3630
Brevant Seeds	1-519-359-3934
C&M Seeds	1-888-733-9432
Elite Seeds	1-519-282-6701
Pedigrain	1-819-347-7502
Pioneer Hi-Bred	1-800-265-9435
Rosebank Seed Farms Ltd.	1-519-345-2697
SeCan Association	1-866-797-7874
Semences Prograin	1-800-817-3732
Semican Inc.	1-866-362-3385
Snobelen Farms Ltd.	1-450-799-3226
Synagri	1-450-799-3226
William Houde Ltd.	1-450-798-2002

Growers List



OATS

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

AAC ALMONTE			
Lindsay; Hickson, Joseph.....	705-878-8200	R	
AAC BANNER			
Branchton; Szentimrey, Peter.....	519-620-1100	S F	
Palmerston; Bramhill Seeds Ltd.....	519-343-3630	S R	
AAC BLAKE☉			
Cobden; Stone, Reuben & Keanan.....	613-646-9737	R	
AAC BULLET			
Bath; Mac Kinnon, Michael & Ivan.....	613-483-9423	S F C	
Bloomfield; Beatty, Timothy.....	613-393-2333	R C	
Branchton; Szentimrey, Peter.....	519-620-1100	S F R	
Cobden; Stone, Reuben & Keanan.....	613-646-9737	C	
Dublin; Bolton, Carl W.....	519-525-6430	C	
Lindsay; Hickson, Joseph.....	705-878-8200	R	
Lucknow; Snobelen, Mike.....	519-528-2092	S R	
Palmerston; Bramhill Seeds Ltd.....	519-343-3630	R C	
Palmerston; Connell, James F.....	519-343-3293	C	
Ripley; Courtney Grain And Seed (2015) Ltd.....	519-395-2972	C	
Staffa; Fell, Roger.....	519-345-2697	C	
Thornton; Alliance Agri-Turf.....	705-424-1410	R	
West Montrose; Martin, Quentin, Keith, Craig & Jason.....	519-664-3701	S F R	
AAC NICOLAS☉			
New Liskeard; Phillips Seeds Ltd.....	705-563-8375	R	
New Liskeard; Runnalls, Kevin.....	705-622-1870	F R C	
Westmeath; Reaburn, Larry J.....	613-582-3550	R	
AAC OAKLIN			
Palmerston; Connell, James F.....	519-343-3293	S F	
AAC ROSKENS			
Palmerston; Bramhill Seeds Ltd.....	519-343-3630	C	
Ripley; Courtney Grain And Seed (2015) Ltd.....	519-395-2972	C	
West Montrose; Martin, Quentin, Keith, Craig & Jason.....	519-664-3701	S F R	
BRADLEY☉			
Lindsay; Hickson, Joseph.....	705-878-8200	C	
CDC HAYMAKER			
Bath; Mac Kinnon, Michael & Ivan.....	613-483-9423	C	
Cobden; Stone, Reuben & Keanan.....	613-646-9737	C	
Emo; Lamb, Larry W.....	807-482-2420	C	
Palmerston; Bramhill Seeds Ltd.....	519-343-3630	C	
CS CAMDEN☉			
New Liskeard; Phillips Seeds Ltd.....	705-563-8375	C	
New Liskeard; Phillips, Jack & Terry.....	705-563-8375	S	
EVERLEAF 126			
Palmerston; Bramhill Seeds Ltd.....	519-343-3630	C	
MANOTICK			
Bath; Mac Kinnon, Michael & Ivan.....	613-483-9423	S F	
RC AMAZE			
Woodstock; Sevita International.....	519-537-5157	F	
SHADOW			
Cobden; Stone, Reuben & Keanan.....	613-646-9737	S F	
SUMMIT☉			
Emo; Lamb, Larry W.....	807-482-2420	C	

SPRING BARLEY

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AAC MIRABEL			
Westmeath; Reaburn, Larry J.....	613-582-3550	R	
AAC MONTROSE☉			
Kenabeek; Mc Lean, Marc.....	705-563-8459	R C	
Thorntoe; Bowman, Matthew & Elaine.....	705-563-8444	R	
AAC PURPOSE☉			
Lindsay; Hickson, Joseph.....	705-878-8200	C	
AAC VITALITY☉			
Lindsay; Hickson, Joseph.....	705-878-8200	R C	
Palmerston; Bramhill Seeds Ltd.....	519-343-3630	R	
Thornton; Alliance Agri-Turf.....	705-424-1410	R	
AC KINGS			
Palmerston; Bramhill Seeds Ltd.....	519-343-3630	F R	
AC KLINCK			
Palmerston; Bramhill Seeds Ltd.....	519-343-3630	S C	
AC METCALFE			
Bath; Mac Kinnon, Michael & Ivan.....	613-483-9423	R	
Cobden; Stone, Reuben & Keanan.....	613-646-9737	C	
New Liskeard; Phillips Seeds Ltd.....	705-563-8375	C	
New Liskeard; Phillips, Jack & Terry.....	705-563-8375	C	
ALLIANCE			
Lindsay; Hickson, Joseph.....	705-878-8200	R	
New Liskeard; Labonte Seed Division Of Reliable Elevators Corp.....	705-647-3129	C	
AMBERLY			
Staffa; Fell, Roger.....	519-345-2697	C	
BADEN			
Almonte; Cochran, Donald E. & Catherine & Adam.....	613-256-1029	C	
Cobden; Stone, Reuben & Keanan.....	613-646-9737	C	
New Liskeard; Phillips, Jack & Terry.....	705-563-8375	F	
Thornton; Alliance Agri-Turf.....	705-424-1410	S R	
BORNHOLM			
Lucknow; Snobelen, Mike.....	519-528-2092	F R	
Thornton; Alliance Agri-Turf.....	705-424-1410	R	
CHIEF			
Douglas; Dick, Kevin B. & Jennifer K.....	613-570-0677	C	
CONESTOGO			
Palmerston; Bramhill Seeds Ltd.....	519-343-3630	R	
Palmerston; Connell, Mary Anne.....	519-343-2668	C	
West Montrose; Martin, Quentin, Keith, Craig & Jason.....	519-664-3701	S R	
CYANE			
Lindsay; Bonis & Company Ltd.....	705-324-0544	S F	
DIGNITY			
Bath; Mac Kinnon, Michael & Ivan.....	613-483-9423	S F C	
Dublin; Bolton, Carl W.....	519-525-6430	C	
Guelph; Hannam, Gregory.....	519-821-1018	C	
Lindsay; Hickson, Joseph.....	705-878-8200	R C	
Lucknow; Snobelen, Mike.....	519-528-2092	C	
Palmerston; Bramhill Seeds Ltd.....	519-343-3630	S F C	
Palmerston; Connell, Dale A.....	519-343-2626	S F	
Ripley; Courtney Grain And Seed (2015) Ltd.....	519-395-2972	R	
Staffa; Fell, Roger.....	519-345-2697	C	
West Montrose; Martin, Quentin, Keith, Craig & Jason.....	519-664-3701	S F C	

SPRING BARLEY

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DS7176RB			
Lucknow; Snobelen, Mike.....	519-528-2092		C
DS8126RB			
Branchton; Szentimrey, Peter	519-620-1100	S F	
Lucknow; Snobelen, Mike.....	519-528-2092		R
Thornton; Alliance Agri-Turf.....	705-424-1410		R
DUNDEE			
Ripley; Courtney Grain And Seed (2015) Ltd.....	519-395-2972	S F	
HY 621-6R			
Lucknow; Snobelen, Mike.....	519-528-2092	F	C
New Liskeard; Labonte Seed Division Of Reliable Elevators Corp.	705-647-3129		C
Thornton; Alliance Agri-Turf.....	705-424-1410		C
MARDEN			
Bath; Mac Kinnon, Michael & Ivan	613-483-9423	S	
Palmerston; Bramhill Seeds Ltd.	519-343-3630	S F	
Thornton; Alliance Agri-Turf.....	705-424-1410	S F	
NORDBEC			
Thornloe; Bowman, Matthew & Elaine	705-563-8444	S	
OAC LAVERNE			
Palmerston; Bramhill Seeds Ltd.	519-343-3630		R

WINTER RYE

HAZLET			
Courtland; Horizon Seeds Canada Inc.....	519-842-5538	S	R

TRITICALE

946802617			
Lindsay; Bonis & Company Ltd.....	705-324-0544		F
ELEVATOR			
Lindsay; Bonis & Company Ltd.....	705-324-0544	S F	
HOTSHOT			
Lindsay; Bonis & Company Ltd.....	705-324-0544	S F	
HYOCTANE			
Lindsay; Bonis & Company Ltd.....	705-324-0544	S F	
TRACTION			
Lindsay; Bonis & Company Ltd.....	705-324-0544	S F	

SPRING WHEAT

AAC BRANDON☼			
Belle Vallee; Boucher, Gilbert.....	705-647-4560		C
Emo; Lamb, Larry W.....	807-482-2420		C
New Liskeard; Labonte Seed Division Of Reliable Elevators Corp.	705-647-3129		C
New Liskeard; Phillips Seeds Ltd.....	705-563-8375	R	C
New Liskeard; Runnalls, Kevin.....	705-622-1870		R
Westmeath; Reaburn, Larry J.....	613-582-3550		R
BANNER			
Palmerston; C & M Seeds.....	519-343-2126	S F R	

SPRING WHEAT

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EASTON☽			
Palmerston; C & M Seeds	519-343-2126	S F R	C
FURANO			
Palmerston; C & M Seeds	519-343-2126		F C
MAJOR			
Saint-Hyacinthe; Synagri S.E.C.....	450-799-3225	S	C
QUANTUM☼			
Palmerston; Bramhill Seeds Ltd.	519-343-3630		C
Ripley; Courtney Grain And Seed (2015) Ltd.....	519-395-2972		F R
VENTRY			
Palmerston; Bramhill Seeds Ltd.	519-343-3630		R
Ripley; Courtney Grain And Seed (2015) Ltd.....	519-395-2972		F
WILKIN☼			
Palmerston; C & M Seeds	519-343-2126	S F R	C

WINTER WHEAT

25R34☼			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554		F R C
25R40☼			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554		F R
25R46☼			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554		F R
25R61☽			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554		F R
25R74☽			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554		F R C
25W38			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554		F R
AC MOUNTAIN			
Branchton; Szentimrey, Peter	519-620-1100	S F	
Guelph; Hannam, Gregory	519-821-1018		R C
Rockwood; Timmings, Scott D.....	519-803-5200		C
West Montrose; Martin, Quentin, Keith, Craig & Jason.....	519-664-3701	S F	
ARNOLD			
Palmerston; C & M Seeds	519-343-2126		R
AVA SWW			
Harrow; Henricks, Robert	519-676-5411		C
Hensall; Dow Agrosiences Canada Inc.	800-265-7403	S F	C
Lucknow; Snobelen, Mike.....	519-528-2092		C
B654SRW			
East Garafraxa; Gardhouse, Guy R.	519-942-7528		R
Hensall; Dow Agrosiences Canada Inc.	800-265-7403	S F R	
Lucknow; Snobelen, Mike.....	519-528-2092		R
Thornton; Alliance Agri-Turf.....	705-424-1410		R
B743SRW			
Hensall; Dow Agrosiences Canada Inc.	800-265-7403	S F R	C
Lucknow; Snobelen, Mike.....	519-528-2092		R
Thornton; Alliance Agri-Turf.....	705-424-1410		R
BRANSON☼			
Harrow; Henricks, Robert	519-676-5411		C
Hensall; Dow Agrosiences Canada Inc.	800-265-7403	S F R	C
Lucknow; Snobelen, Mike.....	519-528-2092		R
Thornton; Alliance Agri-Turf.....	705-424-1410		C

WINTER WHEAT

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CM614			
Gadhill; Fleischauer, Robert	519-656-3152	R	
Palmerston; C & M Seeds	519-343-2126	R	
CRUZE			
Palmerston; C & M Seeds	519-343-2126	R	C
DREW			
Palmerston; C & M Seeds	519-343-2126	S	F R C
DS572SRW☽			
Hensall; Dow Agrosiences Canada Inc.	800-265-7403	S	F R
Lucknow; Snobelen, Mike	519-528-2092		C
Thornton; Alliance Agri-Turf	705-424-1410		C
E0028W			
Sarnia; Park, Douglas Andrew	519-383-7007	S	R
EMMIT SRW			
Hensall; Dow Agrosiences Canada Inc.	800-265-7403		C
EMPEROR☽			
Bath; Mac Kinnon, Michael & Ivan	613-483-9423		C
Branchton; Szentimrey, Peter	519-620-1100		F
Brantford; Hilgendag, Willi	519-759-7075	S	R
Canfield; Hedley, Neil Richard	905-774-3976		C
Drumbo; Rodger, William J.	519-632-7500		R
Guelph; Hannam, Gregory	519-821-1018	S	R
Jarvis; Montague, Thomas	905-870-4002		R
Lindsay; Hickson, Joseph	705-878-8200		C
Parkhill; Willemse, Rick	519-294-6684		C
Ripley; Courtney Grain And Seed (2015) Ltd.	519-395-2972		C
Rockwood; Timmings, James E.	519-856-4367	S	R
Rockwood; Timmings, Scott D.	519-803-5200		R
FTHP REDEEMER			
Palmerston; Bramhill Seeds Ltd.	519-343-3630		R
GALLUS☽			
Palmerston; C & M Seeds	519-343-2126	S	F R C

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JDC78☽			
Palmerston; C & M Seeds	519-343-2126	R	C
LEXINGTON☽			
Palmerston; C & M Seeds	519-343-2126	S	F R
MARKER			
Bowmanville; Rickard, Donald Hendry	905-623-7233		C
Lindsay; Hickson, Joseph	705-878-8200		C
Palmerston; Bramhill Seeds Ltd.	519-343-3630	F	C
PRIESLEY			
Palmerston; C & M Seeds	519-343-2126		R C
PRINCETON☼			
Palmerston; C & M Seeds	519-343-2126		F R
SECORD			
Alvinston; Mac Kellar, David, Adam & Jacob	519-318-4463	S	R
Branchton; Szentimrey, Peter	519-620-1100	S	F R
Brantford; Hilgendag, Willi	519-759-7075	S	R
Cobden; Stone, Reuben & Keanan	613-646-9737		R
Lindsay; Hickson, Joseph	705-878-8200		R
Morpeth; Stirling, Bryan Thomas	519-674-0402		S
Sarnia; Park, Douglas Andrew	519-383-7007	S	R
Thornton; Alliance Agri-Turf	705-424-1410		R
UGRC RING☽			
Longueuil; Sollio Agriculture S.E.C.	450-670-2231	S	F
VENTURE			
Sarnia; Park, Douglas Andrew	519-383-7007		R
WAVE			
Alvinston; Mac Kellar, David, Adam & Jacob	519-318-4463		R
Sarnia; Park, Douglas Andrew	519-383-7007	S	C
ZORRO			
Bath; Mac Kinnon, Michael & Ivan	613-483-9423	S	R

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Weeden Environments	Woodstock	519.462.1712
Advanced Grain Handling	Brinston Brantford	613.652.1010
Harkness Equipment Ltd.	Harriston Hickson	519.323.6174
Rick's Farm Service	Harriston	519.338.5693
John Emewein Ltd.	Walkerton	519.881.0187
Glass-Pac	St. Jacobs	519.664.2277
Van Nes Custom Welding	New Hamburg	519.276.1744
Ezewski Barn Tech	Brussels	519.525.3690
North Valley AG & Mill	Guelph	519.374.9300
Martin's Grain Bins	Lindsay	705.799.7262
Slumski Brothers	Melbourne	519.264.2676
Advance Agri Systems	Dublin	519.301.7308
Gethke Quality Livestock	Bornholm	519.274.2426



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#ALLSEASONSTRONG

Corn Crops

Corn Performance Trials Conducted by the Ontario Corn Committee

The ONTARIO CORN COMMITTEE is made up of representatives of Agriculture and Agri Food Canada, the Ontario Ministry of Agriculture, Food and Rural Affairs, the University of Guelph, the Ontario Soil and Crop Improvement Association, the Grain Farmers of Ontario and the Canadian Seed Trade Association. Hybrid Performance trials are conducted each year by the following cooperating agencies: Ridgetown Campus, University of Guelph; Plant Agriculture Department, University of Guelph; Winchester Research Station, University of Guelph, Kent Ag Research Inc., and Agriculture and Agri-Food Canada (Ottawa).

For more information go to GoCorn.net

Interpretation of Results

Corn Heat Units – Ratings for all areas of the province are based on the average heat unit accumulation for the period from May 1 to the date in the fall when the long-term average daily temperature falls below 12 C or an occurrence of -2 C, whichever comes first. Hybrid heat unit ratings have been assigned by the sponsoring company.

% Lodging – “Lodged Plants” includes plants with stalks that are broken below the ear and plants leaning such that the ear is in the adjacent row or otherwise unharvestable. Because all hybrids in a trial are harvested on the same date, the early hybrids within each table tend to show a greater amount of stalk breakage than do later hybrids. Stalk strength should be compared only with hybrids of the same maturity.

% Moisture – The accuracy of moisture measurement decreases as moisture content increases. Results for hybrids with very high moisture contents should be interpreted with caution.

LSD (0.10) – The LSD is a measure of variability within the trial. There is a ninety percent probability that yield indices that differ by an amount greater than the LSD are different. Yield indices that differ by an amount less than or equal to the LSD should be considered to be equal. For example, if the LSD is 10, two hybrids with yield indexes of 110 and 101 should be considered to be equal.

PHOTO: THINKSTOCK



Here's to farmers
*who value pinky swears
as much as handshakes.*

At Pioneer, we believe in growth. Growth of crops,
people and the communities we're proud to be part of.
Here's to all the men and women who never stop growing.

#NeverStopGrowing



Ontario Performance Trial Data

CORN

Comments:

For more detailed information go to GoCorn.net

Testing Methods

Hybrid Corn Performance Trials were conducted at 19 locations across southern Ontario. Hybrids entered in the trials are selected by the seed companies. A hybrid must be entered in all trials within a table.

Trials are machine planted with an excess of seed and thinned at an early growth stage to obtain a uniform population. The target population is 34,000 plants per acre. A row width of 30 inches is used in all trials. Plots consist of four rows of which the middle two rows are harvested for yield. Sufficient fertilizer is applied to meet crop needs and compensate for any variability in soil nutrient supply.

The moisture percentage of the grain is measured at harvest time. The weight of grain harvested from each plot is determined and the yield of shelled corn is calculated at 15% moisture. Test weights are recorded either during harvest, using combine-mounted monitoring equipment, or in the laboratory, using procedures recommended by the Canada Grain Commission.

The index in the tables indicates a percent of the average of all hybrids included in the trial(s). Index figures above 100 reflect the percentage by which a hybrid is above the average, whereas index figures below 100 show the percent below average. Small differences in index (i.e. less than the LSD shown at the bottom of the table) are not significant. When a hybrid consistently has a higher index over two years, this difference is probably real and should be considered when choosing a hybrid.

Hybrid selection should be based on the most data available. Greater emphasis should be put on averages from several locations and years because these provide a more accurate prediction of future performance.

The average yield in bushels per acre is shown at the bottom of each table. The average test weight is given in kg/hl (kilograms per hectoliter). The actual yield or test weight for a hybrid can be calculated by multiplying the average times its index and dividing by 100.

Within each table, hybrids are identified by brand and/or hybrid number or name. Hybrids are listed in approximate order of maturity based on heat unit ratings provided by the companies.

Explanation of Codes for Special Genetic Traits

Code	GM Traits
0	Conventional Hybrid
3	YieldGard VT Triple
4	Roundup Ready Corn 2
6	Genuity VT Double PRO
7	Genuity VT Triple PRO
8	Dow AgroSciences SmartStax or Genuity SmartStax
10	Herculex I with Roundup Ready Corn 2
12	Herculex XTRA with Roundup Ready Corn 2
14	Agrisure GT
18	Agrisure 3000GT or Agrisure 3011
19	Agrisure GT/CB/LL or Agrisure 3010
20	Agrisure Viptera 3111
21	Agrisure Artesian 3011A
22	Agrisure 3110
23	Optimum AcreMax
24	Optimum AcreMax Xtreme
25	Optimum AcreMax Xtra
26	Agrisure 3122
27	Agrisure Viptera 3220
28	Agrisure 3120
29	PowerCore
30	PowerCore Enlist
31	SmartStax Enlist

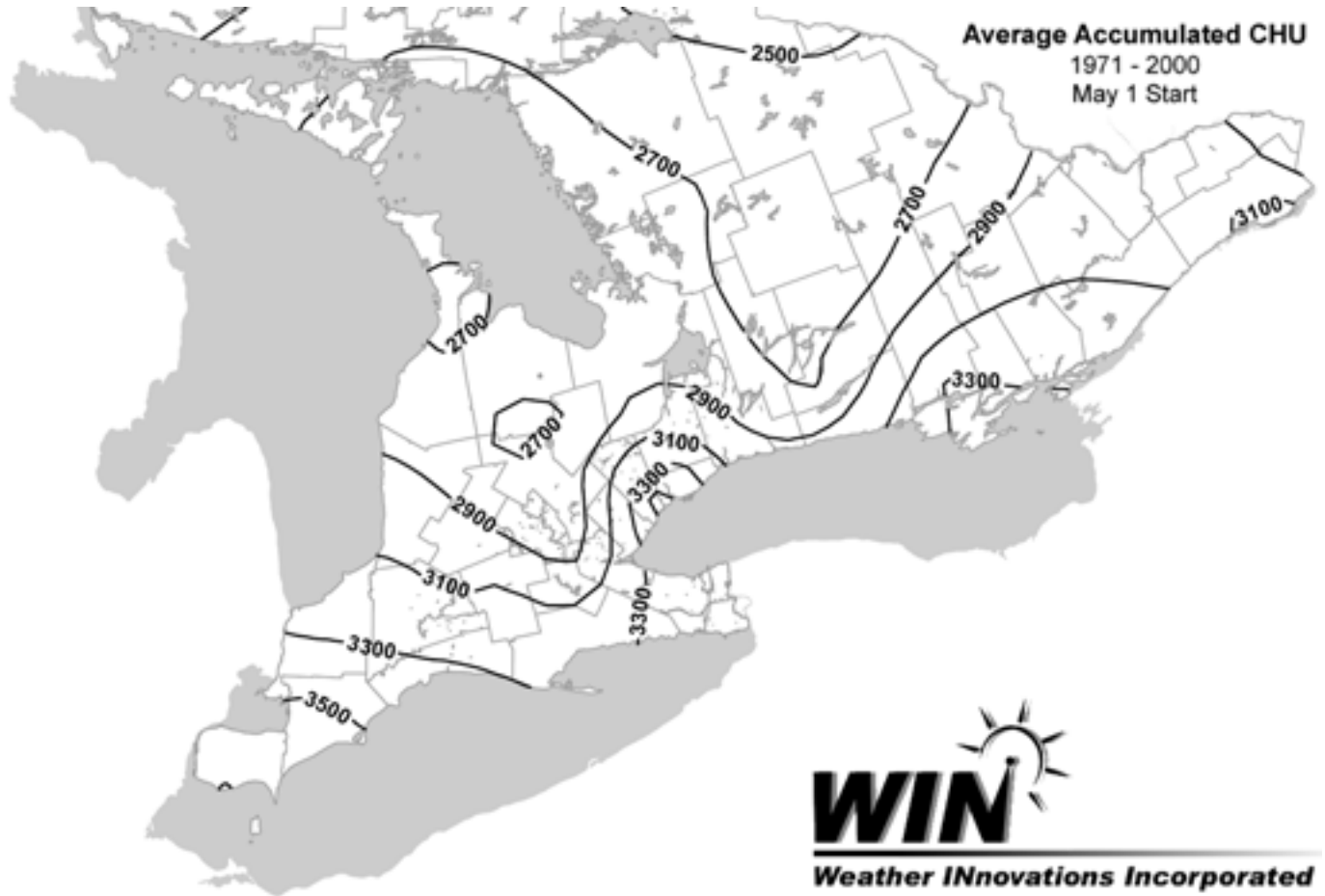
Notes:

The Ontario Corn Committee does not assess hybrids for Special Genetic Traits. Hybrid descriptions are based on information received from corn companies, as of November 2018. Although the Ontario Corn Committee believes the information contained in this report is accurate, growers are advised to consult dealers of the respective hybrids and products before making purchasing or management decisions. All hybrids included in this report have been fully approved for food and feed use in Canada and the United States. However, a number have not been approved for use in the European Union. Corn harvested from these non-EU approved hybrids must be delivered to a market that will not ship the grain or its processed products to Europe. For more information, contact your seed supplier. Information regarding the genetic traits carried by all commercially available hybrids and their acceptability for export can also be obtained from the Canadian Seed Trade Association's "List of Corn Hybrids Commercially Available in Canada" at <http://cdnseed.org/list-of-corn-hybrids>

Explanation of Seed Treatment Codes

Seed Treatments	
—	No Treatment
A	Acceleron 250
C	Cruiser Maxx 250
F	Fortenza
L	Lumivia
P	Poncho 250
P5	Poncho 500

CORN HEAT UNIT MAP



CHU Ratings are based on the average heat unit accumulation for the period from May 1 to the date in the fall when the long-term average daily temperature falls below 12° C or an occurrence of -2° C, whichever comes first.

DISTRIBUTOR CONTACTS — Seed Corn

Brevant	CORTEVA AGRISCIENCE	1-403-735-8800	Horizon	Horizon Seeds Canada Inc.	1-519-842-5538
Country Farm	Country Farm Seeds Ltd.	1-800-449-3990	Legend Seeds	Sevita International	1-613-989-3000
CROPLAN	WinField United	1-514-220-9625	Maizex	Maizex Seeds Inc.	1-877-682-1720
De Dell	De Dell Seeds Inc	1-519-264-2676	NK Brand	Syngenta Seeds Inc.	1-800-756-SEED
DEKALB	Monsanto Canada Inc.	1-800-667-4944	Pioneer	Pioneer Hi-Bred Canada Company	1-800-265-9435
DLF PICKSEED	DLF Pickseed Canada Inc.	1-705-878-9240	PRIDE Seeds	AgReliant Genetics Inc.	1-519-354-3210

CORN — Orangeville, Dundalk

CHU	Brand and/or Hybrid	GM Trait	Seed Trt	2017-2018 averages ¹				2018 averages ²				
				average of 4 trials				average of 2 trials				
				Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	
2200	Country Farm	CF186	6	F	93	26.8	1	105	89	27.8	1	103
2275	DEKALB	DKC29-89RIB	6	A					98	27.2	0	102
2300	Brevant	B79N56PWE	30	C					102	27.5	1	100
2300	Maizex	MZ 1688DBR	6	F					100	27.8	0	100
2300	Pioneer	P7958AM	23	L					94	26.9	2	100
2400	Brevant	B81N65PW	29	C	92	27.9	2	100	92	27.8	1	100
2400	Country Farm	CF190	0	F	89	28.1	1	101	87	28.3	2	100
2400	Country Farm	CF192	4	F	91	29.0	0	102	86	28.6	0	103
2400	De Dell	DL 1081	0	—					96	29.2	2	100
2400	NK Brand	NK8005 3110A	22	C					97	28.7	1	100
2400	Pioneer	P8234AM	23	L	91	28.3	0	99	86	27.8	0	99
2450	DEKALB	DKC32-12RIB	6	P					89	28.5	0	100
2450	DLF PICKSEED	PS 2444VT2P RIB	6	L					95	28.2	5	100
2450	Maizex	MZ 2311DBR	6	F	98	28.4	0	102	93	29.2	0	101
2500	Brevant	B83R15PW	29	C	96	27.6	13	98	98	29.4	12	98
2500	CROPLAN	2288VT2P/RIB	6	A					87	29.4	0	100
2500	DEKALB	DKC33-78RIB	6	A	95	26.8	1	102	92	27.5	1	101
2500	Maizex	MZ 2495DBR	6	F	99	29.3	1	102	98	29.1	1	102
2500	NK Brand	NK8288 3110	22	C	107	27.9	5	105	109	29.1	0	103
2500	Pioneer	P8387AM	23	L	95	28.0	2	100	83	28.9	2	100
2550	DEKALB	DKC34-57RIB	6	A	102	29.4	4	99	101	30.1	5	100
2550	Maizex	MZ248	0	F					116	29.8	3	100
2550	Pioneer	P8542AM	23	L	106	28.1	4	101	107	28.8	6	100
2575	DLF PICKSEED	PS 2552RR	4	L	103	28.5	2	101	98	30.5	3	100
2575	PRIDE Seeds	A5225G2 RIB	6	F	102	28.1	0	103	105	28.7	0	102
2600	Country Farm	CF255	6	F					100	31.0	0	101
2600	DEKALB	DKC35-88RIB	6	A	99	28.7	1	101	93	28.9	1	101
2600	Maizex	MZ 2655DBR	6	F	102	28.6	1	101	109	30.0	1	100
2600	Maizex	MZ 2699DBR	6	F					108	30.2	0	99
2600	Pioneer	P8700AM	23	L	102	30.0	4	99	98	29.0	4	100
2625	Brevant	DS84J77RA	8	C	94	31.3	1	97	99	30.4	2	99
2625	CROPLAN	2587VT2P/RIB	6	A	95	29.5	0	99	91	29.8	0	99
2625	DLF PICKSEED	PS 2676VT2P RIB	6	L	98	29.5	2	100	100	30.2	1	101
2625	DLF PICKSEED	PS 2777RR	4	L	103	29.6	0	99	102	29.6	0	99
2625	NK Brand	NK8618 3011A	21	C	107	29.0	4	101	111	28.9	2	101
2650	DEKALB	DKC37-93RIB	6	A	101	29.6	2	100	102	30.4	0	99
2650	Horizon	HZ 2853	28	F	102	31.6	29	98	107	30.6	18	98
2650	NK Brand	NK8519 3110	22	C	105	29.7	4	99	106	29.6	5	98
2650	Pioneer	P9188AM	23	L	103	30.2	1	99	98	31.3	2	99
2650	PRIDE Seeds	A5432G2 RIB	6	F	100	29.5	2	99	104	29.9	3	100
2675	Country Farm	CF266	4	F	99	28.9	1	101	101	28.1	1	101
2675	Country Farm	CF279	27	F	102	31.5	1	99	103	30.0	1	99
2675	CROPLAN	2845VT2P/RIB	6	A	99	30.4	1	99	99	30.6	1	99
2675	DEKALB	DKC38-55RIB	6	A	108	29.9	1	99	111	30.0	1	99
2675	DLF PICKSEED	PS 2790	0	L	107	29.6	0	100	105	30.4	0	100
2700	DLF PICKSEED	PS 2778VT2P RIB	6	L					111	29.7	1	100
2700	Horizon	HZ 797GT	14	F	113	32.0	17	98	117	31.1	15	98
2700	Maizex	MZ 2810DBR	6	F	102	30.8	0	99	103	31.1	0	99
2700	Pioneer	P9188AMXT	25	L	94	30.1	0	99	94	29.9	0	99
2700	PRIDE Seeds	A5914G2 RIB	6	F	98	29.9	1	99	99	30.9	2	99
2725	CROPLAN	3146SS/RIB	8	A					104	30.8	0	101
2725	DEKALB	DKC40-77RIB	8	L	97	31.1	0	99	99	31.8	0	99
2750	DEKALB	DKC41-99RIB	6	L	104	32.3	1	97	114	30.7	1	99
2750	DEKALB	DKC42-05RIB	6	L					110	32.2	3	98
2750	Maizex	MZ 3033DBR	6	F	107	29.5	1	100	105	29.6	0	100
LSD (0.10) for Yield Index Points*					7				10			
Average all hybrids†					188	29.4	3	62	208	29.5	2	66

1 Orangeville 2017-2018, Dundalk 2017-2018

2 Orangeville, Dundalk

* The LSD is a measure of variability within the trial. Yield indices that differ by an amount less than or equal to the LSD should be considered to be equal.

† Average Yields are shown in bushels per acre. Average Test Weights are shown in kg/hl.

Hybrid selection should be based on the most data available. Emphasis should be put on averages from several locations and years because these provide a more accurate prediction of future performance than do single location results.

Results of 2018 Performance Trials

DUNDALK

ORANGEVILLE

CHU	Brand and/or Hybrid	DUNDALK			ORANGEVILLE		
		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2200	Country Farm CF186	83	29.5	1	94	26.1	1
2275	DEKALB DKC29-89RIB	102	27.7	0	94	26.6	0
2300	Brevant B79N56PWE	109	29.0	0	94	26.0	2
2300	Maizex MZ 1688DBR	96	28.5	0	104	27.1	0
2300	Pioneer P7958AM	89	27.0	0	99	26.9	3
2400	Brevant B81N65PW	91	27.4	0	93	28.1	1
2400	Country Farm CF190	85	28.3	0	90	28.3	4
2400	Country Farm CF192	84	28.7	0	89	28.5	0
2400	De Dell DL 1081	97	29.1	1	94	29.3	4
2400	NK Brand NK8005 3110A	92	29.1	0	103	28.2	1
2400	Pioneer P8234AM	89	28.8	0	84	26.9	0
2450	DEKALB DKC32-12RIB	90	29.5	0	88	27.5	1
2450	DLF PICKSEED PS 2444VT2P RIB	110	26.1	0	81	30.2	10
2450	Maizex MZ 2311DBR	100	29.6	0	86	28.7	1
2500	Brevant B83R15PW	89	29.3	2	108	29.5	23
2500	CROPLAN 2288VT2P/RIB	84	28.7	0	89	30.1	0
2500	DEKALB DKC33-78RIB	93	26.5	0	91	28.5	2
2500	Maizex MZ 2495DBR	100	29.3	0	95	29.0	2
2500	NK Brand NK8288 3110	115	28.4	0	103	29.9	1
2500	Pioneer P8387AM	87	29.5	0	80	28.2	3
2550	DEKALB DKC34-57RIB	101	29.8	0	101	30.4	10
2550	Maizex MZ248	111	30.0	0	121	29.5	6
2550	Pioneer P8542AM	117	29.1	0	96	28.5	12
2575	DLF PICKSEED PS 2552RR	92	31.2	0	104	29.8	5
2575	PRIDE Seeds A5225G2 RIB	109	29.7	0	100	27.6	0
2600	Country Farm CF255	105	31.0	0	95	31.0	1
2600	DEKALB DKC35-88RIB	92	29.0	0	94	28.7	1
2600	Maizex MZ 2655DBR	110	29.9	0	108	30.1	1
2600	Maizex MZ 2699DBR	108	29.5	0	108	30.9	0
2600	Pioneer P8700AM	97	29.9	2	98	28.1	5
2625	Brevant DS84J77RA	99	30.3	0	98	30.5	4
2625	CROPLAN 2587VT2P/RIB	90	29.4	0	92	30.3	1
2625	DLF PICKSEED PS 2676VT2P RIB	101	29.7	0	98	30.6	3
2625	DLF PICKSEED PS 2777RR	99	28.5	0	105	30.8	0
2625	NK Brand NK8618 3011A	115	27.9	0	108	30.0	4
2650	DEKALB DKC37-93RIB	100	30.0	0	105	30.9	0
2650	Horizon HZ 2853	101	30.6	4	113	30.5	33
2650	NK Brand NK8519 3110	115	29.6	0	98	29.5	11
2650	Pioneer P9188AM	99	31.8	0	98	30.9	3
2650	PRIDE Seeds A5432G2 RIB	114	30.2	0	92	29.5	5
2675	Country Farm CF266	103	27.7	0	98	28.5	2
2675	Country Farm CF279	102	29.7	1	104	30.3	2
2675	CROPLAN 2845VT2P/RIB	91	31.1	0	108	30.0	2
2675	DEKALB DKC38-55RIB	106	30.5	0	116	29.5	3
2675	DLF PICKSEED PS 2790	98	31.0	0	112	29.9	1
2700	DLF PICKSEED PS 2778VT2P RIB	107	29.7	0	114	29.7	3
2700	Horizon HZ 797GT	117	32.2	6	117	29.9	24
2700	Maizex MZ 2810DBR	108	31.2	0	98	31.0	0
2700	Pioneer P9188AMXT	95	30.1	0	93	29.6	1
2700	PRIDE Seeds A5914G2 RIB	103	31.3	0	94	30.6	3
2725	CROPLAN 3146SS/RIB	106	29.9	0	102	31.6	1
2725	DEKALB DKC40-77RIB	95	31.9	0	103	31.8	1
2750	DEKALB DKC41-99RIB	103	29.2	0	125	32.2	2
2750	DEKALB DKC42-05RIB	101	32.7	0	118	31.7	6
2750	Maizex MZ 3033DBR	105	29.9	0	106	29.4	1
		16			12		
		210	29.5	0	207	29.4	4

CORN — Elora, Port Hope, Winchester, Wingham

CHU	Brand and/or Hybrid	GM Trait	Seed Trt	2017-2018 averages ¹				2018 averages ²				
				average of 7 trials				average of 4 trials				
				Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	
2350	Legend Seeds	LR 9976 VIP 3110	22	C					72	20.6	1	105
2425	Legend Seeds	LR 9980 VT2PRIB	6	P5					85	20.8	1	103
2500	Brevant	B83R15PW	29	C	87	21.6	10	102	85	20.6	15	101
2500	Legend Seeds	LR 9983 VT2PRIB	6	P5					91	20.6	1	101
2550	De Dell	DL 2016	0	—	94	23.5	1	102	91	21.7	2	101
2550	Pioneer	P8542AM	23	L	98	22.0	2	104	94	21.3	4	103
2600	Legend Seeds	LR 9583 VT2PRIB	6	C	85	22.1	2	102	86	21.3	4	101
2600	Legend Seeds	LR 9885 GTCBLL	19	C					103	22.5	7	100
2600	Maizex	MZ 2655DBR	6	F	94	22.8	1	103	94	21.6	1	102
2600	Maizex	MZ 2699DBR	6	F					96	21.2	2	101
2600	Pioneer	P8700AM	23	L	93	24.1	6	100	91	22.6	8	99
2625	Brevant	DS84J77RA	8	C	92	23.2	1	99	94	21.9	2	99
2625	De Dell	DL 2315	0	—					100	22.2	1	103
2625	NK Brand	NK8618 3011A	21	C	101	23.1	2	104	100	22.2	2	104
2650	Brevant	B86R11SX	8	C	87	22.1	2	103	86	21.1	2	102
2650	NK Brand	NK8519 3110	22	C	96	23.2	2	102	95	21.8	2	101
2650	Pioneer	P9188AM	23	L	98	23.3	1	102	97	22.3	2	101
2675	Country Farm	CF279	27	F	96	23.2	1	102	94	21.4	1	102
2675	DEKALB	DKC38-55RIB	6	A					94	22.0	3	100
2700	DLF PICKSEED	PS 2778VT2P RIB	6	L					99	21.9	1	101
2700	DLF PICKSEED	PS 2793GSX RIB	8	L	97	23.9	0	100	95	22.4	1	100
2700	Horizon	HZ 794	0	F	103	24.0	3	101	101	22.0	3	100
2700	Horizon	HZ 797GT	14	F	104	24.2	10	98	102	22.1	11	99
2700	Maizex	MZ 2810DBR	6	F	95	23.2	1	102	99	21.9	1	101
2700	Maizex	MZ 2812SMX	8	F	97	23.7	0	102	96	21.9	0	102
2700	Pioneer	P9188AMXT	25	L	94	24.1	2	102	95	22.4	2	102
2725	PRIDE Seeds	A5915G8 RIB	8	F					94	22.6	0	98
2750	Brevant	B90R02SX	8	C	96	24.2	1	99	97	22.1	1	98
2750	De Dell	DL 3146	0	—	101	24.8	2	101	100	22.7	2	101
2750	DEKALB	DKC41-99RIB	6	L	102	24.4	0	100	104	22.8	1	100
2750	DEKALB	DKC42-05RIB	6	L					111	23.1	1	99
2750	DLF PICKSEED	PS 2745VT2P RIB	6	L	101	24.4	1	99	104	23.5	1	99
2750	Horizon	HZ 3295	28	F	103	24.9	2	99	106	23.1	3	98
2750	Horizon	HZ 878	27	F	106	24.5	5	98	107	23.1	3	97
2750	Legend Seeds	LR 9391 VT2PRIB	6	C	98	24.5	2	100	102	23.0	4	100
2750	Legend Seeds	LR 9891 VT2PRIB	6	C					100	22.7	1	101
2750	Maizex	MZ 3033DBR	6	F	97	23.3	1	101	94	21.9	2	101
2750	Maizex	MZ 305X	0	F					97	21.6	3	101
2750	Pioneer	P9330AM	23	L	102	24.6	2	101	100	22.3	3	101
2775	Country Farm	CF377	6	F	92	23.9	2	102	89	22.8	2	102
2775	DEKALB	DKC42-60RIB	8	L	99	24.9	0	100	100	23.0	0	100
2775	NK Brand	NK8920 3120	28	C	106	23.8	1	99	106	22.4	1	99
2775	Pioneer	P9526AM	23	L					97	23.5	2	100
2775	PRIDE Seeds	A6028G2 RIB	6	F	100	23.8	0	101	100	22.6	1	100
2800	CROPLAN	3399SS/RIB	8	A					105	23.7	0	101
2800	DEKALB	DKC43-10RIB	6	L	104	24.4	1	100	106	22.0	1	100
2800	Maizex	MZ 3144DBR	6	F					97	22.7	1	100
2800	Maizex	MZ 3216DBR	6	F	104	24.8	1	99	106	22.8	1	100
2800	Maizex	MZ 3397SMX	8	F	105	25.0	1	98	104	23.0	2	98
2800	NK Brand	NK9227 3220A	27	C	102	25.9	1	100	108	23.6	2	99
2800	Pioneer	P9404AM	23	L	97	24.5	1	101	97	22.6	1	102
2800	PRIDE Seeds	A6018G2 RIB	6	F	101	24.6	1	99	100	22.6	1	100
2825	Brevant	B92R15SX	8	C	99	25.1	1	99	101	23.3	1	99
2825	Country Farm	CF416	8	F	94	24.1	1	100	96	22.6	1	100
2825	Legend Seeds	LR 9794 GENSSRIB	8	C	101	25.5	1	98	103	23.4	1	98
2825	PRIDE Seeds	A6455G8 RIB	8	F	102	24.6	0	99	104	23.0	0	98
2850	Country Farm	CF430	0	F	105	25.0	2	101	101	23.3	2	101
2850	CROPLAN	3575SS/RIB	8	A					103	23.8	0	102
2850	DEKALB	DKC44-80RIB	6	L					112	22.9	3	99
2850	DLF PICKSEED	PS 2815	0	L	104	25.7	1	99	104	23.1	1	99

Results of 2018 Performance Trials

CHU	Brand and/or Hybrid	Results of 2018 Performance Trials														
		ELORA			PORT HOPE T2			WINCHESTER T2			WINGHAM					
		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %			
2350	Legend Seeds LR 9976 VIP 3110	71	25.0	1	75	18.8	0	73	18.1	4	69	20.4	0			
2425	Legend Seeds LR 9980 VT2PRIB	84	25.4	1	88	19.0	1	91	18.8	2	78	19.9	1			
2500	Brevant B83R15PW	78	24.4	9	85	19.3	43	93	19.2	3	81	19.4	3			
2500	Legend Seeds LR 9983 VT2PRIB	95	24.7	1	97	19.3	1	91	19.3	3	77	19.0	0			
2550	De Dell DL 2016	91	26.3	1	84	19.2	4	92	20.2	2	98	20.9	0			
2550	Pioneer P8542AM	76	24.7	9	99	19.2	1	93	19.2	2	107	21.9	2			
2600	Legend Seeds LR 9583 VT2PRIB	94	26.3	10	92	19.0	2	87	19.6	2	71	20.2	1			
2600	Legend Seeds LR 9885 GTCBLL	103	28.7	4	99	19.9	22	102	20.6	2	112	20.8	2			
2600	Maizex MZ 2655DBR	105	27.3	1	94	19.0	0	91	19.5	3	86	20.6	1			
2600	Maizex MZ 2699DBR	100	26.7	1	97	18.9	3	97	18.7	3	87	20.6	0			
2600	Pioneer P8700AM	92	29.0	13	93	20.3	10	100	20.4	2	77	20.7	7			
2625	Brevant DS84J77RA	96	27.9	3	98	19.3	1	90	19.3	1	93	21.3	2			
2625	De Dell DL 2315	99	26.8	0	98	19.8	1	91	20.8	2	112	21.3	1			
2625	NK Brand NK8618 3011A	100	26.6	1	102	20.1	2	98	20.5	2	99	21.6	3			
2650	Brevant B86R11SX	83	26.7	4	86	18.9	1	91	19.1	4	81	19.6	0			
2650	NK Brand NK8519 3110	92	26.9	1	98	19.4	1	96	20.3	3	94	20.7	2			
2650	Pioneer P9188AM	91	26.0	5	98	20.2	4	98	20.6	1	98	22.3	0			
2675	Country Farm CF279	86	26.0	0	97	19.4	0	98	20.2	4	93	20.0	0			
2675	DEKALB DKC38-55RIB	92	28.5	3	99	18.9	8	91	19.1	3	94	21.3	0			
2700	DLF PICKSEED PS 2778VT2P RIB	106	27.2	0	97	18.9	2	98	19.6	2	96	21.7	1			
2700	DLF PICKSEED PS 2793GSX RIB	93	28.2	0	97	19.1	0	93	20.1	2	94	22.1	1			
2700	Horizon HZ 794	107	27.7	1	104	19.4	0	99	20.2	2	95	20.6	9			
2700	Horizon HZ 797GT	91	27.1	20	99	19.6	10	102	20.8	1	119	20.9	11			
2700	Maizex MZ 2810DBR	99	26.6	0	103	19.0	1	98	21.0	2	95	21.1	1			
2700	Maizex MZ 2812SMX	101	25.8	0	93	19.1	0	97	20.8	1	91	21.7	1			
2700	Pioneer P9188AMXT	95	28.2	4	99	20.0	0	91	19.9	1	93	21.6	4			
2725	PRIDE Seeds A5915G8 RIB	99	28.9	1	86	19.8	0	99	20.5	1	92	21.3	0			
2750	Brevant B90R02SX	96	26.5	1	101	19.7	1	101	19.6	1	92	22.7	1			
2750	De Dell DL 3146	102	27.6	1	91	19.8	2	93	21.0	3	117	22.3	2			
2750	DEKALB DKC41-99RIB	105	28.8	0	107	19.5	1	106	20.1	2	98	22.8	0			
2750	DEKALB DKC42-05RIB	111	29.0	1	113	19.9	0	108	20.7	1	111	22.8	1			
2750	DLF PICKSEED PS 2745VT2P RIB	106	28.7	1	106	20.2	0	103	21.5	2	100	23.5	1			
2750	Horizon HZ 3295	104	27.7	1	102	20.4	2	99	21.9	2	122	22.2	8			
2750	Horizon HZ 878	97	29.4	1	112	20.0	5	104	20.8	2	114	22.4	5			
2750	Legend Seeds LR 9391 VT2PRIB	104	29.8	2	100	19.7	9	108	20.3	2	96	22.2	2			
2750	Legend Seeds LR 9891 VT2PRIB	102	26.6	2	101	20.0	0	100	21.0	2	96	23.3	0			
2750	Maizex MZ 3033DBR	95	28.6	2	99	18.7	1	94	19.9	2	84	20.2	1			
2750	Maizex MZ 305X	103	28.0	3	93	19.2	6	102	19.5	3	91	19.6	0			
2750	Pioneer P9330AM	98	26.4	3	104	20.0	6	102	20.9	1	94	21.8	3			
2775	Country Farm CF377	96	28.8	0	96	19.0	3	73	20.9	3	90	22.6	3			
2775	DEKALB DKC42-60RIB	92	29.6	0	103	19.8	0	98	20.3	1	105	22.2	0			
2775	NK Brand NK8920 3120	104	26.4	1	106	20.0	2	104	21.3	1	111	22.0	0			
2775	Pioneer P9526AM	100	28.7	1	97	20.4	3	99	21.2	1	91	23.8	3			
2775	PRIDE Seeds A6028G2 RIB	101	28.6	0	100	19.4	0	102	20.7	1	96	21.6	1			
2800	CROPLAN 3399SS/RIB	104	30.8	0	106	19.7	1	104	21.3	1	106	23.1	0			
2800	DEKALB DKC43-10RIB	104	27.2	1	104	19.3	1	103	20.1	2	114	21.5	1			
2800	Maizex MZ 3144DBR	98	28.3	0	102	19.4	2	99	21.1	1	85	22.0	1			
2800	Maizex MZ 3216DBR	113	28.4	0	99	19.5	0	105	20.8	2	107	22.6	1			
2800	Maizex MZ 3397SMX	106	29.4	0	102	19.9	2	101	20.8	2	107	22.0	4			
2800	NK Brand NK9227 3220A	109	28.4	0	100	20.6	2	104	21.9	4	120	23.4	1			
2800	Pioneer P9404AM	95	25.5	0	98	19.9	0	107	21.1	3	86	23.7	1			
2800	PRIDE Seeds A6018G2 RIB	108	28.0	0	98	19.4	2	102	20.6	2	92	22.5	0			
2825	Brevant B92R15SX	96	29.1	0	104	20.2	2	106	21.0	1	96	22.7	1			
2825	Country Farm CF416	96	29.0	1	96	19.5	1	96	20.0	2	97	22.0	1			
2825	Legend Seeds LR 9794 GENSSRIB	100	31.3	0	104	19.5	1	100	20.4	2	106	22.5	2			
2825	PRIDE Seeds A6455G8 RIB	105	29.3	0	107	19.4	0	104	20.3	1	100	23.1	0			
2850	Country Farm CF430	102	28.9	0	92	20.0	1	95	21.0	3	118	23.1	3			
2850	CROPLAN 3575SS/RIB	106	30.7	0	96	20.0	0	105	21.4	1	104	23.3	0			
2850	DEKALB DKC44-80RIB	112	27.7	1	106	19.8	8	112	20.8	1	119	23.2	2			
2850	DLF PICKSEED PS 2815	115	28.9	0	104	19.8	1	101	21.0	1	94	22.6	2			

(continued)

CORN — Elora, Port Hope, Winchester, Wingham (continued)

CHU	Brand and/or Hybrid	GM Trait	Seed Trt	2017-2018 averages ¹				2018 averages ²				
				average of 7 trials				average of 4 trials				
				Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	
2850	Legend Seeds	LS 9495 VT2PRIB	6	C	99	26.7	1	100	102	23.6	1	100
2850	Maizex	MZ 3410DBR	6	F	102	25.0	0	99	99	23.3	1	99
2850	NK Brand	NK9535 3220	27	C	108	25.8	1	100	105	24.0	1	99
2850	Pioneer	P9608AM	23	L	101	26.1	0	97	104	24.5	0	95
2850	Pioneer	P9608AMXT	24	L	99	25.6	1	103	102	23.9	1	103
2850	Pioneer	P9621AMXT	24	L	107	25.5	2	91	108	24.2	2	89
2850	PRIDE Seeds	XP18095G2	6	A					103	23.5	1	100
2875	Country Farm	CF453	6	F					104	23.9	0	100
2875	CROPLAN	3795VT2P/RIB	6	A					101	24.4	2	99
2875	CROPLAN	3899VT2P/RIB	6	A	107	27.0	1	99	106	24.4	1	99
2875	DEKALB	DKC45-65RIB	8	L	106	25.8	0	98	107	23.7	1	98
2875	NK Brand	NK9659 3120	28	C	109	24.5	2	99	110	23.3	2	98
2900	DEKALB	DKC46-17RIB	6	L	101	26.0	1	101	102	23.4	0	101
2900	Maizex	MZ 3656DBR	6	F	106	26.0	1	100	106	24.1	1	100
2900	NK Brand	NK9738 3010	19	C					110	22.6	1	99
2900	Pioneer	P9840AMXT	24	L	102	26.0	2	99	104	23.6	3	98
2925	DEKALB	DKC47-55RIB	6	L					108	23.4	1	102
2925	Pioneer	P9840AM	23	L	104	26.3	3	97	109	24.1	4	97
2950	DEKALB	DKC48-28RIB	6	L	106	25.8	1	98	108	23.8	2	98
2950	DEKALB	DKC48-56RIB	8	L	108	26.1	0	99	111	23.8	0	99
2950	Maizex	MZ 3964DBR	6	F	103	25.2	1	99	106	23.6	2	99
LSD (0.10) for Yield Index Points*					4				5			
Average all hybrids†					200	24.5	2	66	204	22.7	2	69

¹ Elora 2017-2018, Lindsay 2017, Port Hope T2 2018, Wingham 2017-2018, Winchester T2 2018

² Elora, Port Hope T2, Wingham, Winchester T2

* The LSD is a measure of variability within the trial. Yield indices that differ by an amount less than or equal to the LSD should be considered to be equal.

† Average Yields are shown in bushels per acre. Average Test Weights are shown in kg/hl.

Hybrid selection should be based on the most data available. Emphasis should be put on averages from several locations and years because these provide a more accurate prediction of future performance than do single location results.

2018 VARIETIES SELECTED

Variety	Variety	Variety

Seeding date:

Harvest date:

Yield:

2019: TOP PICKS

Results of 2018 Performance Trials

CHU	Brand and/or Hybrid	ELORA			PORT HOPE T2			WINCHESTER T2			WINGHAM			
		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	
2850	Legend Seeds	LS 9495 VT2PRIB	97	29.4	0	102	20.0	0	104	21.4	1	104	23.6	3
2850	Maizex	MZ 3410DBR	96	29.8	0	98	20.0	0	103	21.5	2	99	22.1	1
2850	NK Brand	NK9535 3220	111	29.6	1	102	20.6	0	99	23.0	1	111	23.0	2
2850	Pioneer	P9608AM	96	31.3	0	107	20.2	0	106	22.1	1	106	24.4	1
2850	Pioneer	P9608AMXT	101	30.5	0	99	20.2	1	105	21.2	2	103	23.7	1
2850	Pioneer	P9621AMXT	108	30.0	0	102	20.8	2	109	22.4	2	116	23.5	3
2850	PRIDE Seeds	XP18095G2	103	30.2	1	106	19.7	1	101	21.2	2	100	22.9	1
2875	Country Farm	CF453	103	30.4	0	105	19.8	0	98	21.2	2	111	24.4	0
2875	CROPLAN	3795VT2P/RIB	90	29.8	1	100	20.0	2	113	23.5	4	100	24.1	0
2875	CROPLAN	3899VT2P/RIB	115	31.0	0	105	20.2	0	112	21.6	1	93	24.8	3
2875	DEKALB	DKC45-65RIB	111	31.8	0	103	20.1	0	104	21.3	2	111	21.7	1
2875	NK Brand	NK9659 3120	104	28.3	2	108	20.3	1	110	21.8	1	120	22.7	5
2900	DEKALB	DKC46-17RIB	100	29.9	0	104	19.8	0	103	20.6	1	101	23.5	1
2900	Maizex	MZ 3656DBR	99	31.3	1	103	20.3	0	109	21.9	1	113	22.9	2
2900	NK Brand	NK9738 3010	104	26.7	1	109	20.1	1	100	21.1	2	131	22.3	2
2900	Pioneer	P9840AMXT	98	29.5	4	107	19.8	5	105	21.0	2	104	24.1	3
2925	DEKALB	DKC47-55RIB	108	29.4	1	105	20.0	0	106	21.3	2	114	22.8	1
2925	Pioneer	P9840AM	118	29.7	2	109	20.1	3	105	22.8	1	104	23.8	9
2950	DEKALB	DKC48-28RIB	109	29.1	2	106	20.2	4	110	22.0	1	106	23.8	2
2950	DEKALB	DKC48-56RIB	113	29.8	0	104	20.2	0	111	21.8	1	118	23.4	0
2950	Maizex	MZ 3964DBR	109	29.2	0	107	20.1	5	109	20.9	1	96	24.2	2
			10			10			7			16		
			199	28.3	2	225	19.7	3	212	20.7	2	181	22.2	2

FIELD NOTES

CORN — Bainsville, Ottawa, Winchester

CHU	Brand and/or Hybrid	GM Trait	Seed Trt	2017-2018 averages ¹				2018 averages ²				
				average of 5 trials				average of 3 trials				
				Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	
2650	Pioneer	P9188AM	23	L	101	20.9	1	102	102	20.0	1	102
2700	Maizex	E61H72 R	6	P5	99	21.8	2	99	99	20.0	1	101
2700	Maizex	E61K70 LR	8	P5					93	19.6	2	102
2700	Pioneer	P9188AMXT	25	L	94	20.9	1	102	91	20.2	1	102
2750	Brevant	B90R02SX	8	C	94	21.0	1	96	91	19.6	1	98
2750	Horizon	HZ 3295	28	F	98	22.2	3	102	96	21.7	3	99
2750	Horizon	HZ 878	27	F	100	21.2	4	99	101	20.4	5	98
2750	Legend Seeds	LR 9391 VT2PRIB	6	C	102	20.3	2	103	100	19.8	3	101
2750	Legend Seeds	LR 9891 VT2PRIB	6	C					93	20.5	1	101
2750	Maizex	E63G62 R	6	C	99	21.5	1	103	96	20.7	1	102
2750	Maizex	MZ 305X	0	F					93	19.1	4	103
2750	Pioneer	P9330AM	23	L	98	21.8	2	103	99	20.6	1	103
2775	NK Brand	NK8920 3120	28	C	100	21.1	1	102	98	21.0	1	101
2775	Pioneer	P9526AM	23	L					93	21.4	1	100
2800	Maizex	MZ 3144DBR	6	F					98	20.1	2	102
2800	Maizex	MZ 3216DBR	6	F	101	20.8	1	101	98	19.8	1	102
2800	Maizex	MZ 3397SMX	8	F	99	21.9	1	100	96	20.5	1	100
2800	NK Brand	NK9227 3220A	27	C	101	21.8	2	102	101	21.5	3	99
2800	Pioneer	P9404AM	23	L	102	21.5	1	101	101	20.4	1	101
2800	PRIDE Seeds	A6018G2 RIB	6	F	99	21.1	1	101	94	20.1	1	102
2800	PRIDE Seeds	A6102G8 RIB	8	F	95	20.9	1	101	93	20.3	1	100
2825	Brevant	B92R15SX	8	C	98	22.2	1	99	96	20.8	1	99
2825	Legend Seeds	LR 9794 GENSSRIB	8	C	97	21.7	1	99	98	20.0	1	100
2825	PRIDE Seeds	A6455G8 RIB	8	F	98	21.1	1	100	97	20.1	1	100
2850	Country Farm	CF430	0	F	98	21.3	2	104	93	20.8	2	102
2850	CROPLAN	3575SS/RIB	8	A					96	20.5	1	103
2850	DEKALB	DKC44-80RIB	6	L					106	20.8	1	99
2850	DLF PICKSEED	PS 2815	0	L	100	22.7	1	102	98	20.6	1	105
2850	Legend Seeds	LS 9495 VT2PRIB	6	C	101	22.8	1	100	101	20.9	1	101
2850	Maizex	E65G82 R	6	C	106	22.3	1	100	102	20.8	1	99
2850	Maizex	MZ 3410DBR	6	F	101	22.2	2	99	100	20.6	1	99
2850	Maizex	MZ 342X	0	F	99	21.6	1	101	97	20.2	1	102
2850	Maizex	MZ 3522DBR	6	F	97	22.6	1	100	99	20.7	1	102
2850	NK Brand	NK9535 3220	27	C	99	22.9	1	101	100	22.4	1	100
2850	Pioneer	P9608AM	23	L	102	22.9	1	103	103	21.6	1	102
2850	Pioneer	P9608AMXT	24	L	97	22.9	3	104	96	21.1	1	104
2850	Pioneer	P9621AMXT	24	L	104	22.7	1	95	105	21.5	1	94
2875	Country Farm	CF453	6	F					98	20.8	1	101
2875	Country Farm	CF458	8	F	97	22.3	2	101	100	20.6	1	101
2875	Country Farm	CF462	14	F	95	22.7	3	101	93	20.9	3	101
2875	CROPLAN	3795VT2P/RIB	6	A					106	21.7	1	100
2875	CROPLAN	3899VT2P/RIB	6	A					104	21.7	1	99
2875	DEKALB	DKC45-65RIB	8	L	97	23.1	1	98	99	21.3	1	99
2875	DLF PICKSEED	PS 2818GSX RIB	8	L	100	22.1	1	100	99	20.5	1	100
2875	Maizex	E66K42 R	6	C					104	20.8	1	100
2875	NK Brand	NK9659 3120	28	C	103	22.5	1	98	106	21.7	1	98
2900	DEKALB	DKC46-17RIB	6	L	102	22.4	1	102	101	20.3	1	104
2900	DLF PICKSEED	PS 2902VT2P RIB	6	L	101	21.9	2	102	98	21.2	2	101
2900	Horizon	HZ 3787	27	F	99	21.6	1	101	97	21.4	1	97
2900	Horizon	HZ 3790	14	F	93	23.9	3	98	97	22.4	4	99
2900	Legend Seeds	EXP18-9791 GENSSRIB	8	P5					101	21.8	1	99
2900	Legend Seeds	LR 9697 VT2PRIB	7	C	99	21.8	1	99	99	21.4	1	98
2900	Maizex	MZ 3611SMX	8	F	95	22.9	3	100	99	21.2	1	101
2900	Maizex	MZ 3656DBR	6	F	98	23.7	1	100	100	21.7	1	101
2900	NK Brand	NK9738 3010	19	C					95	21.0	1	101
2900	Pioneer	P9840AMXT	24	L	100	23.3	2	99	102	21.6	2	98
2900	PRIDE Seeds	A6848G2 RIB	6	F	105	23.6	1	98	104	22.6	2	98
2900	PRIDE Seeds	XP18097G2	6	A					101	23.9	1	97
2900	PRIDE Seeds	XP18098G2	6	A					104	21.5	1	101
2925	Country Farm	CF474	8	F	97	22.8	1	100	93	20.8	1	101

Results of 2018 Performance Trials

BAINSVILLE

OTTAWA

WINCHESTER

CHU	Brand and/or Hybrid	BAINSVILLE			OTTAWA			WINCHESTER			
		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	
2650	Pioneer	P9188AM	107	21.1	0	103	20.9	1	95	18.1	1
2700	Maizex	E61H72 R	99	20.6	1	99	20.4	1	98	19.1	2
2700	Maizex	E61K70 LR	92	20.5	0	96	20.1	1	92	18.2	3
2700	Pioneer	P9188AMXT	93	21.2	0	89	20.4	1	92	18.9	1
2750	Brevant	B90R02SX	93	20.8	0	93	20.4	1	86	17.7	1
2750	Horizon	HZ 3295	101	22.5	5	88	21.8	1	97	20.8	3
2750	Horizon	HZ 878	103	21.1	7	100	20.4	2	100	19.6	6
2750	Legend Seeds	LR 9391 VT2PRIB	97	20.6	4	103	20.5	2	100	18.2	3
2750	Legend Seeds	LR 9891 VT2PRIB	92	21.2	1	94	20.6	1	94	19.6	1
2750	Maizex	E63G62 R	94	21.2	0	97	21.0	1	97	19.8	2
2750	Maizex	MZ 305X	97	20.0	6	93	19.4	3	89	17.8	3
2750	Pioneer	P9330AM	99	21.2	0	99	21.0	1	98	19.6	2
2775	NK Brand	NK8920 3120	92	21.2	0	100	21.3	1	101	20.6	1
2775	Pioneer	P9526AM	92	21.5	0	95	21.3	1	94	21.5	2
2800	Maizex	MZ 3144DBR	88	20.4	2	106	21.1	2	101	18.9	2
2800	Maizex	MZ 3216DBR	98	20.4	1	99	20.2	1	98	18.9	1
2800	Maizex	MZ 3397SMX	96	20.9	0	94	21.6	1	97	19.1	2
2800	NK Brand	NK9227 3220A	100	21.8	3	103	22.0	1	100	20.6	5
2800	Pioneer	P9404AM	101	21.2	0	95	20.9	1	108	19.2	2
2800	PRIDE Seeds	A6018G2 RIB	89	20.7	0	91	20.1	1	100	19.5	1
2800	PRIDE Seeds	A6102G8 RIB	92	20.9	0	97	20.5	1	91	19.4	2
2825	Brevant	B92R15SX	98	21.3	0	95	21.9	1	96	19.3	2
2825	Legend Seeds	LR 9794 GENSSRIB	97	20.5	0	99	21.4	1	99	18.0	1
2825	PRIDE Seeds	A6455G8 RIB	93	20.3	1	100	20.4	1	99	19.6	2
2850	Country Farm	CF430	93	21.3	2	90	20.6	1	96	20.6	3
2850	CROPLAN	3575SS/RIB	91	20.8	1	95	21.2	1	102	19.4	1
2850	DEKALB	DKC44-80RIB	108	20.9	1	105	21.3	2	104	20.1	2
2850	DLF PICKSEED	PS 2815	96	20.7	0	105	21.6	1	95	19.6	2
2850	Legend Seeds	LS 9495 VT2PRIB	98	21.0	1	97	21.7	1	106	20.1	1
2850	Maizex	E65G82 R	98	21.0	1	109	21.4	1	98	19.9	2
2850	Maizex	MZ 3410DBR	100	20.4	1	99	21.0	1	101	20.5	3
2850	Maizex	MZ 342X	92	20.6	0	104	21.2	2	95	18.8	2
2850	Maizex	MZ 3522DBR	94	20.9	0	104	21.5	1	99	19.8	1
2850	NK Brand	NK9535 3220	105	22.1	0	99	23.0	2	96	22.1	1
2850	Pioneer	P9608AM	103	21.8	0	98	22.3	1	106	20.7	1
2850	Pioneer	P9608AMXT	98	21.2	0	93	22.1	1	98	20.0	1
2850	Pioneer	P9621AMXT	109	21.7	0	98	22.2	1	108	20.5	1
2875	Country Farm	CF453	93	20.8	1	104	22.0	1	97	19.7	1
2875	Country Farm	CF458	104	20.7	2	97	21.7	1	98	19.4	1
2875	Country Farm	CF462	83	21.7	2	100	21.3	2	98	19.6	4
2875	CROPLAN	3795VT2P/RIB	110	21.0	0	95	22.5	1	111	21.6	3
2875	CROPLAN	3899VT2P/RIB	103	21.4	0	108	23.1	1	100	20.7	1
2875	DEKALB	DKC45-65RIB	100	21.1	0	96	23.0	1	100	19.8	1
2875	DLF PICKSEED	PS 2818GSX RIB	95	20.4	0	105	22.0	1	97	19.0	1
2875	Maizex	E66K42 R	106	21.0	2	98	21.0	1	107	20.5	1
2875	NK Brand	NK9659 3120	113	21.5	1	104	22.5	1	99	21.0	2
2900	DEKALB	DKC46-17RIB	97	20.4	0	105	21.3	1	102	19.2	1
2900	DLF PICKSEED	PS 2902VT2P RIB	94	21.2	1	100	21.6	2	102	20.7	3
2900	Horizon	HZ 3787	100	21.3	1	96	22.8	2	96	20.1	1
2900	Horizon	HZ 3790	106	22.4	9	95	23.4	2	90	21.4	2
2900	Legend Seeds	EXP18-9791 GENSSRIB	105	22.0	1	96	22.7	1	102	20.8	1
2900	Legend Seeds	LR 9697 VT2PRIB	100	21.6	0	94	21.8	1	101	20.9	2
2900	Maizex	MZ 3611SMX	96	21.3	1	106	22.1	1	97	20.3	1
2900	Maizex	MZ 3656DBR	99	21.3	1	97	22.8	1	103	21.0	1
2900	NK Brand	NK9738 3010	95	21.1	1	98	21.4	1	92	20.4	2
2900	Pioneer	P9840AMXT	102	21.0	0	106	23.1	3	99	20.6	2
2900	PRIDE Seeds	A6848G2 RIB	100	21.6	0	108	24.1	1	105	22.2	4
2900	PRIDE Seeds	XP18097G2	107	21.4	1	105	22.4	1	92	27.8	1
2900	PRIDE Seeds	XP18098G2	104	21.5	1	101	22.4	1	105	20.7	1
2925	Country Farm	CF474	92	20.9	0	93	21.7	1	95	19.8	2

(continued)

CORN — Bainsville, Ottawa, Winchester (continued)

CHU	Brand and/or Hybrid	GM Trait	Seed Trt	2017-2018 averages ¹				2018 averages ²				
				average of 5 trials				average of 3 trials				
				Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	
2925	Country Farm	CF487	6	F	103	23.0	2	100	102	21.5	2	99
2925	DEKALB	DKC47-55RIB	6	L					100	21.4	1	103
2925	Maizex	E67H92 R	6	P	103	23.9	2	98	101	21.9	1	98
2925	Pioneer	P9840AM	23	L	98	24.1	2	97	101	22.0	2	97
2925	PRIDE Seeds	A6888G2 RIB	6	F	102	23.5	1	100	102	21.3	1	101
2950	CROPLAN	4079SS/RIB	8	A	105	23.9	2	97	100	21.5	2	98
2950	DEKALB	DKC48-28RIB	6	L	101	22.3	1	100	103	21.0	1	100
2950	DEKALB	DKC48-56RIB	8	L	103	23.4	2	100	102	21.6	1	100
2950	Legend Seeds	LR 9999 VT2PRIB	6	P5					109	22.3	1	96
2950	Maizex	E69K50 LR	8	C					97	21.9	1	100
2950	Maizex	MZ 3877SMX	8	F					102	21.6	2	100
2950	Maizex	MZ 3818DBR	6	F	105	23.4	1	98	102	21.2	1	99
2950	Maizex	MZ 395X	0	F	96	22.7	2	100	93	21.2	3	100
2950	Maizex	MZ 3964DBR	6	F	101	23.5	1	99	98	21.4	1	100
2950	Pioneer	P9998AM	23	L	106	24.8	1	98	110	22.7	1	98
2950	PRIDE Seeds	A6757G8 RIB	8	F	101	23.5	1	99	102	21.4	1	100
2975	De Dell	DL 4902	0	—					97	22.0	1	99
2975	DEKALB	DKC49-09RIB	6	L					105	20.8	1	100
2975	DEKALB	DKC50-78RIB	6	L	98	22.9	1	99	98	21.7	1	100
2975	Maizex	E71T15	0	C	101	24.2	2	99	102	22.2	2	99
3000	Country Farm	CF18402	8	F					104	21.6	1	102
3000	Legend Seeds	LR 9701 GENSSRIB	8	C					102	21.7	1	100
3000	Maizex	E70G30 LR	8	C	100	24.4	1	97	102	21.6	1	98
3000	Pioneer	P0157AM	23	L	105	25.4	1	99	108	23.3	1	98
3000	Pioneer	P9998AMXT	24	L	97	24.0	1	100	100	22.2	1	99
3050	Brevant	B00R25PW	29	C					104	23.0	2	97
3050	DEKALB	DKC50-26RIB	8	L	98	23.4	2	101	102	21.5	1	102
3050	Maizex	MZ 402X	0	F	104	23.7	3	98	104	22.1	3	98
3050	Maizex	MZ 4158DBR	6	F					109	22.9	1	97
3050	Maizex	MZ 4280DBR	6	F	108	24.4	4	98	108	22.8	3	97
3050	Pioneer	P0157AMXT	24	L	107	25.6	2	100	111	22.9	1	100
3100	DEKALB	DKC52-84RIB	8	L	100	24.0	1	101	101	21.9	1	103
3100	Legend Seeds	LR 9903 GENSSRIB	8	P5					108	22.6	2	99
3125	Legend Seeds	LR 9503 GENSSRIB	8	C	101	25.7	2	98	100	23.8	1	98
LSD (0.10) for Yield Index Points*					5				5			
Average all hybrids†					199	22.7	2	69	207	21.3	1	70

¹ Ottawa 2017-2018, Bainsville 2018, Winchester 2017-2018

² Ottawa, Bainsville, Winchester

* The LSD is a measure of variability within the trial. Yield indices that differ by an amount less than or equal to the LSD should be considered to be equal.

† Average Yields are shown in bushels per acre. Average Test Weights are shown in kg/hl.

Hybrid selection should be based on the most data available. Emphasis should be put on averages from several locations and years because these provide a more accurate prediction of future performance than do single location results.

FIELD NOTES

Results of 2018 Performance Trials

CHU	Brand and/or Hybrid	BAINSVILLE			OTTAWA			WINCHESTER			
		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	
2925	Country Farm	CF487	101	21.2	1	102	21.9	1	104	21.5	3
2925	DEKALB	DKC47-55RIB	97	21.3	0	102	22.5	1	102	20.5	2
2925	Maizex	E67H92 R	95	21.7	1	103	23.0	1	105	21.0	1
2925	Pioneer	P9840AM	101	22.1	2	99	22.9	1	103	21.1	3
2925	PRIDE Seeds	A6888G2 RIB	100	21.2	0	108	22.8	1	98	19.9	1
2950	CROPLAN	4079SS/RIB	104	22.0	2	94	21.7	2	102	20.7	2
2950	DEKALB	DKC48-28RIB	101	21.1	0	101	21.4	1	109	20.5	2
2950	DEKALB	DKC48-56RIB	102	21.4	2	104	23.0	1	101	20.4	1
2950	Legend Seeds	LR 9999 VT2PRIB	111	21.6	1	104	23.3	1	111	21.9	1
2950	Maizex	E69K50 LR	104	21.5	0	101	23.3	1	86	20.9	1
2950	Maizex	MZ 3877SMX	101	21.7	0	102	22.7	1	102	20.4	3
2950	Maizex	MZ 3818DBR	102	21.3	0	107	21.5	1	97	20.8	1
2950	Maizex	MZ 395X	95	21.8	1	95	22.0	1	88	19.8	6
2950	Maizex	MZ 3964DBR	100	21.0	2	99	22.6	1	94	20.5	1
2950	Pioneer	P9998AM	109	22.3	1	110	24.1	1	110	21.8	1
2950	PRIDE Seeds	A6757G8 RIB	102	21.0	0	103	23.1	1	100	20.0	1
2975	De Dell	DL 4902	104	21.8	1	92	23.2	1	95	21.0	2
2975	DEKALB	DKC49-09RIB	103	21.5	0	105	21.1	1	107	19.8	1
2975	DEKALB	DKC50-78RIB	95	21.3	1	102	23.1	2	97	20.8	1
2975	Maizex	E71T15	108	21.8	1	94	23.8	2	104	21.0	2
3000	Country Farm	CF18402	109	21.6	0	98	22.4	1	103	20.8	1
3000	Legend Seeds	LR 9701 GENSSRIB	94	21.6	0	104	23.4	1	107	20.0	1
3000	Maizex	E70G30 LR	104	21.8	1	105	23.0	1	98	20.0	1
3000	Pioneer	P0157AM	110	22.9	1	104	25.0	1	109	21.9	1
3000	Pioneer	P9998AMXT	99	22.0	0	101	23.3	1	100	21.4	2
3050	Brevant	B00R25PW	103	22.9	0	105	24.7	1	103	21.3	4
3050	DEKALB	DKC50-26RIB	105	21.1	0	98	23.0	1	100	20.3	1
3050	Maizex	MZ 402X	102	21.2	4	103	23.4	2	108	21.7	3
3050	Maizex	MZ 4158DBR	110	23.0	1	110	24.3	1	106	21.3	1
3050	Maizex	MZ 4280DBR	110	22.9	3	103	23.7	1	109	21.8	3
3050	Pioneer	P0157AMXT	111	23.3	2	107	24.9	1	116	20.6	1
3100	DEKALB	DKC52-84RIB	101	21.7	1	101	23.6	1	102	20.3	2
3100	Legend Seeds	LR 9903 GENSSRIB	112	21.7	0	99	23.0	3	111	23.0	3
3125	Legend Seeds	LR 9503 GENSSRIB	98	23.0	1	107	25.7	2	96	22.6	1
			8			10			5		
			221	21.4	1	189	22.1	1	210	20.3	2

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FIELD NOTES

CORN — Blyth, Port Hope, Waterloo

CHU	Brand and/or Hybrid	GM Trait	Seed Trt	2017-2018 averages ¹				2018 averages ²				
				average of 5 trials				average of 3 trials				
				Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	
2650	Pioneer	P9188AM	23	L	98	23.5	2	101	96	22.4	2	101
2700	Pioneer	P9188AMXT	25	L	89	23.5	1	102	88	22.3	1	102
2750	Brevant	B90R02SX	8	C	85	23.8	0	99	86	22.4	0	99
2750	Horizon	HZ 3295	28	F	102	23.6	1	101	100	22.8	1	99
2750	Horizon	HZ 878	27	F	108	23.6	4	99	106	22.7	1	99
2750	Legend Seeds	LR 9391 VT2PRIB	6	C	95	23.9	0	101	93	23.1	1	100
2750	Legend Seeds	LR 9891 VT2PRIB	6	C					97	22.6	0	101
2750	Maizex	MZ 305X	0	F					87	21.8	3	101
2750	Pioneer	P9330AM	23	L	96	24.0	3	101	99	22.6	2	101
2775	NK Brand	NK8920 3120	28	C	103	24.1	1	101	101	22.9	0	100
2775	Pioneer	P9526AM	23	L					91	22.6	0	101
2800	Maizex	MZ 3144DBR	6	F					101	22.1	3	102
2800	Maizex	MZ 3216DBR	6	F	101	23.2	0	100	98	22.1	0	100
2800	Maizex	MZ 3397SMX	8	F	98	24.6	1	100	99	23.3	1	100
2800	NK Brand	NK9227 3220A	27	C	101	24.3	1	101	99	23.2	1	100
2800	Pioneer	P9404AM	23	L	93	23.8	1	102	94	22.5	0	103
2800	PRIDE Seeds	A6018G2 RIB	6	F	98	23.8	0	100	95	22.6	0	101
2800	PRIDE Seeds	A6102G8 RIB	8	F	90	23.1	0	102	92	22.1	0	102
2825	Brevant	B92R15SX	8	C	94	23.9	1	100	92	22.4	2	101
2825	Legend Seeds	LR 9794 GENSSRIB	8	C	100	24.1	1	100	101	22.6	1	100
2825	PRIDE Seeds	A6455G8 RIB	8	F	97	23.8	1	99	97	22.4	1	99
2850	Country Farm	CF430	0	F	110	23.9	2	102	107	22.7	1	102
2850	CROPLAN	3575SS/RIB	8	A					91	23.0	0	102
2850	DEKALB	DKC44-80RIB	6	L					107	23.0	1	100
2850	DLF PICKSEED	PS 2815	0	L	98	24.5	1	99	97	23.1	1	100
2850	Legend Seeds	LS 9495 VT2PRIB	6	C	93	24.9	0	100	93	22.7	0	100
2850	Maizex	MZ 3410DBR	6	F	104	24.3	1	101	102	22.9	1	100
2850	Maizex	MZ 3522DBR	6	F	94	24.2	1	99	97	22.4	1	100
2850	NK Brand	NK9535 3220	27	C	106	25.4	0	101	101	23.7	0	100
2850	Pioneer	P9608AM	23	L	96	24.7	1	101	99	23.7	0	100
2850	Pioneer	P9608AMXT	24	L	95	24.3	0	103	93	23.3	0	102
2850	Pioneer	P9621AMXT	24	L	104	24.4	1	96	104	23.3	0	96
2875	Country Farm	CF453	6	F					92	23.7	0	101
2875	Country Farm	CF458	8	F	101	23.9	1	100	101	22.6	2	100
2875	Country Farm	CF462	14	F	92	24.3	2	101	92	23.0	1	101
2875	CROPLAN	3899VT2P/RIB	6	A					105	23.9	2	99
2875	DEKALB	DKC45-65RIB	8	L	106	24.6	0	99	106	22.8	0	99
2875	DLF PICKSEED	PS 2818GSX RIB	8	L	99	24.6	0	99	96	23.1	0	99
2875	NK Brand	NK9659 3120	28	C	107	24.3	2	100	107	22.6	1	100
2900	DEKALB	DKC46-17RIB	6	L	100	24.3	0	102	97	22.6	0	102
2900	DLF PICKSEED	PS 2902VT2P RIB	6	L	97	24.2	4	102	99	22.9	3	102
2900	Horizon	HZ 3787	27	F	98	24.2	2	100	103	23.6	4	97
2900	Horizon	HZ 3790	14	F	109	25.4	8	99	108	23.3	10	100
2900	Legend Seeds	EXP18-9791 GENSSRIB	8	P5					104	23.8	0	100
2900	Legend Seeds	LR 9697 VT2PRIB	7	C	95	24.4	0	99	95	23.6	0	98
2900	Maizex	MZ 3611SMX	8	F	95	25.0	0	102	92	23.9	0	102
2900	Maizex	MZ 3656DBR	6	F	95	25.2	0	100	92	23.4	0	100
2900	NK Brand	NK9738 3010	19	C					104	22.7	0	101
2900	Pioneer	P9840AMXT	24	L	99	24.8	2	98	99	23.3	2	98
2900	PRIDE Seeds	A6848G2 RIB	6	F	100	25.7	0	99	98	24.0	0	100
2900	PRIDE Seeds	XP18097G2	6	A					104	23.8	1	101
2900	PRIDE Seeds	XP18098G2	6	A					103	23.6	1	101
2925	Country Farm	CF474	8	F	101	24.7	1	100	103	22.8	2	101
2925	Country Farm	CF487	6	F	98	24.5	0	100	92	23.6	1	99
2925	DEKALB	DKC47-55RIB	6	L					105	23.1	0	102
2925	Pioneer	P9840AM	23	L	105	25.2	2	97	108	23.7	1	97
2925	PRIDE Seeds	A6888G2 RIB	6	F	100	25.5	0	99	102	23.3	1	99
2925	PRIDE Seeds	XP18099G2	6	A					102	24.5	2	99
2950	CROPLAN	3909SS/RIB	8	A					104	23.2	0	100
2950	CROPLAN	4079SS/RIB	8	A	102	25.6	1	99	101	24.1	1	99

Results of 2018 Performance Trials

BLYTH PORT HOPE WATERLOO

CHU	Brand and/or Hybrid	BLYTH			PORT HOPE			WATERLOO			
		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	
2650	Pioneer	P9188AM	93	22.3	1	101	19.9	6	95	25.1	0
2700	Pioneer	P9188AMXT	90	21.5	0	86	19.7	1	87	25.7	1
2750	Brevant	B90R02SX	80	21.0	0	86	19.5	1	92	26.6	0
2750	Horizon	HZ 3295	111	23.0	0	92	20.6	2	97	24.7	0
2750	Horizon	HZ 878	113	21.9	0	100	20.0	2	105	26.1	0
2750	Legend Seeds	LR 9391 VT2PRIB	91	22.5	0	95	19.6	2	94	27.1	0
2750	Legend Seeds	LR 9891 VT2PRIB	95	22.9	0	96	19.9	0	99	25.1	0
2750	Maizex	MZ 305X	81	20.7	0	90	19.0	8	90	25.8	1
2750	Pioneer	P9330AM	96	22.4	0	100	20.3	4	101	25.1	1
2775	NK Brand	NK8920 3120	108	22.6	0	97	19.9	1	98	26.3	0
2775	Pioneer	P9526AM	92	22.7	0	92	20.3	1	90	24.8	0
2800	Maizex	MZ 3144DBR	95	21.4	0	98	19.4	9	108	25.5	0
2800	Maizex	MZ 3216DBR	95	21.2	0	97	19.8	1	103	25.4	0
2800	Maizex	MZ 3397SMX	91	23.1	0	101	19.7	2	104	27.2	0
2800	NK Brand	NK9227 3220A	109	23.2	0	94	20.5	1	95	25.8	1
2800	Pioneer	P9404AM	88	22.0	0	103	20.0	0	93	25.4	0
2800	PRIDE Seeds	A6018G2 RIB	94	22.2	0	92	19.4	1	99	26.2	0
2800	PRIDE Seeds	A6102G8 RIB	85	21.6	1	93	19.8	1	97	24.9	0
2825	Brevant	B92R15SX	83	21.9	0	97	20.5	5	94	24.7	0
2825	Legend Seeds	LR 9794 GENSSRIB	98	22.1	0	100	19.8	2	104	25.9	0
2825	PRIDE Seeds	A6455G8 RIB	90	22.6	0	97	19.2	2	105	25.4	0
2850	Country Farm	CF430	118	21.9	0	98	19.9	2	105	26.2	1
2850	CROPLAN	3575SS/RIB	89	22.6	0	96	19.7	1	89	26.7	0
2850	DEKALB	DKC44-80RIB	105	23.1	1	107	19.8	4	108	26.1	0
2850	DLF PICKSEED	PS 2815	98	22.6	0	99	19.9	3	95	26.7	1
2850	Legend Seeds	LS 9495 VT2PRIB	93	22.8	0	97	19.8	1	89	25.4	0
2850	Maizex	MZ 3410DBR	95	22.2	0	103	19.6	3	109	27.0	0
2850	Maizex	MZ 3522DBR	100	22.1	0	106	19.8	3	84	25.2	0
2850	NK Brand	NK9535 3220	105	23.7	0	104	20.8	0	94	26.5	0
2850	Pioneer	P9608AM	98	23.5	0	110	20.4	0	90	27.3	0
2850	Pioneer	P9608AMXT	86	23.4	0	102	20.0	0	91	26.5	0
2850	Pioneer	P9621AMXT	112	23.4	1	102	20.6	0	100	25.9	1
2875	Country Farm	CF453	100	22.7	0	89	20.0	1	87	28.4	0
2875	Country Farm	CF458	91	22.3	3	102	20.1	1	108	25.5	1
2875	Country Farm	CF462	103	23.1	1	92	20.2	4	83	25.7	0
2875	CROPLAN	3899VT2P/RIB	102	23.5	0	111	20.4	5	104	27.7	0
2875	DEKALB	DKC45-65RIB	109	22.5	0	107	19.9	0	102	25.9	0
2875	DLF PICKSEED	PS 2818GSX RIB	99	22.3	1	93	19.8	1	98	27.1	0
2875	NK Brand	NK9659 3120	113	22.1	0	105	20.4	3	103	25.4	1
2900	DEKALB	DKC46-17RIB	96	22.0	0	102	19.6	1	94	26.1	0
2900	DLF PICKSEED	PS 2902VT2P RIB	101	23.2	1	99	20.2	8	96	25.4	1
2900	Horizon	HZ 3787	114	23.7	0	91	20.6	11	103	26.4	0
2900	Horizon	HZ 3790	109	24.2	0	97	20.5	28	117	25.2	2
2900	Legend Seeds	EXP18-9791 GENSSRIB	109	23.4	0	98	20.7	1	105	27.3	0
2900	Legend Seeds	LR 9697 VT2PRIB	97	22.6	0	91	20.1	1	98	28.1	0
2900	Maizex	MZ 3611SMX	92	23.5	0	90	20.0	1	95	28.3	0
2900	Maizex	MZ 3656DBR	96	22.5	1	92	20.1	0	89	27.6	0
2900	NK Brand	NK9738 3010	114	21.7	0	95	20.2	1	104	26.1	1
2900	Pioneer	P9840AMXT	99	23.0	1	99	19.8	4	100	27.1	1
2900	PRIDE Seeds	A6848G2 RIB	100	23.5	0	95	20.1	0	99	28.5	0
2900	PRIDE Seeds	XP18097G2	103	23.3	0	110	20.3	2	100	27.8	0
2900	PRIDE Seeds	XP18098G2	103	22.6	1	106	19.8	3	100	28.3	0
2925	Country Farm	CF474	98	23.4	0	107	19.8	5	103	25.1	0
2925	Country Farm	CF487	87	22.7	0	98	20.1	2	91	28.0	0
2925	DEKALB	DKC47-55RIB	107	22.4	0	103	20.0	0	105	26.8	0
2925	Pioneer	P9840AM	106	23.6	0	109	20.6	2	108	26.9	0
2925	PRIDE Seeds	A6888G2 RIB	101	23.0	0	100	20.3	2	103	26.6	0
2925	PRIDE Seeds	XP18099G2	96	23.9	1	105	20.1	4	105	29.6	1
2950	CROPLAN	3909SS/RIB	100	23.2	0	109	20.3	1	103	26.2	0
2950	CROPLAN	4079SS/RIB	109	23.6	0	98	20.7	3	97	28.0	0

(continued)

CORN — Blyth, Port Hope, Waterloo (continued)

CHU	Brand and/or Hybrid	GM Trait	Seed Trt	2017-2018 averages ¹				2018 averages ²				
				average of 5 trials				average of 3 trials				
				Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	
2950	De Dell	DL 4555	0	—	100	26.2	0	101	99	24.4	0	102
2950	DEKALB	DKC48-28RIB	6	L	105	24.6	1	100	106	23.0	2	100
2950	DEKALB	DKC48-56RIB	8	L	106	24.8	1	101	106	23.3	1	101
2950	Legend Seeds	LR 9999 VT2PRIB	6	P5					106	24.1	0	99
2950	Maizex	MZ 3877SMX	8	F					101	23.2	1	99
2950	Maizex	MZ 3818DBR	6	F	98	26.3	0	98	97	24.3	0	99
2950	Maizex	MZ 3964DBR	6	F	103	25.3	1	100	101	23.8	2	99
2950	Pioneer	P9998AM	23	L	107	25.5	1	100	106	24.7	0	100
2950	PRIDE Seeds	A6757G8 RIB	8	F	102	25.3	0	100	101	24.0	1	101
2975	DEKALB	DKC49-09RIB	6	L					103	23.5	0	101
2975	DEKALB	DKC50-78RIB	6	L	95	24.7	1	100	96	23.3	1	99
3000	Country Farm	CF18402	8	F					101	22.7	1	102
3000	Horizon	HZ 4010	27	F	110	26.8	0	99	108	25.4	0	98
3000	Legend Seeds	LR 9701 GENSSRIB	8	C					99	24.0	0	99
3000	Pioneer	P0157AM	23	L	107	25.9	1	99	110	23.9	0	100
3000	Pioneer	P9998AMXT	24	L	103	25.4	1	100	104	24.0	0	100
3050	Brevant	B00R25PW	29	C					97	24.1	0	98
3050	DEKALB	DKC50-26RIB	8	L	101	24.9	0	101	102	23.2	0	102
3050	Maizex	MZ 402X	0	F	106	25.9	3	100	105	24.0	2	100
3050	Maizex	MZ 4158DBR	6	F					108	24.5	0	98
3050	Maizex	MZ 4280DBR	6	F	114	25.4	5	99	116	23.7	6	99
3050	Pioneer	P0157AMXT	24	L	102	26.8	0	98	104	25.2	0	98
3100	DEKALB	DKC52-84RIB	8	L	98	25.7	1	97	99	24.0	0	97
3100	Legend Seeds	LR 9903 GENSSRIB	8	P5					107	24.1	2	99
3125	Legend Seeds	LR 9503 GENSSRIB	8	C	98	26.9	1	100	97	25.3	1	100
LSD (0.10) for Yield Index Points*					5				6			
Average all hybrids†					230	24.7	1	67	229	23.3	1	70

1 Blyth 2017-2018, Port Hope 2018, Waterloo 2017-2018

2 Blyth, Port Hope, Waterloo

* The LSD is a measure of variability within the trial. Yield indices that differ by an amount less than or equal to the LSD should be considered to be equal.

† Average Yields are shown in bushels per acre. Average Test Weights are shown in kg/hl.

Hybrid selection should be based on the most data available. Emphasis should be put on averages from several locations and years because these provide a more accurate prediction of future performance than do single location results.

2018 VARIETIES SELECTED

Variety

Variety

Variety

Seeding date:

Harvest date:

Yield:

2019: TOP PICKS

CORN — Exeter, Ilderton, Woodstock, Belmont

CHU	Brand and/or Hybrid	GM Trait	Seed Trt	2017-2018 averages ¹				2018 averages ²				
				average of 7 trials				average of 3 trials				
				Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	
2850	Legend Seeds	LS 9495 VT2PRIB	6	C	84	23.8	3	101	84	21.1	5	101
2850	NK Brand	NK9535 3220	27	C	106	23.8	2	103	103	22.2	0	101
2850	Pioneer	P9608AM	23	L					95	22.0	0	105
2850	Pioneer	P9608AMXT	24	L					87	21.6	1	104
2850	Pioneer	P9621AMXT	24	L	104	23.8	5	98	105	22.5	2	98
2875	CROPLAN	3899VT2P/RIB	6	A					100	21.9	1	100
2875	NK Brand	NK9659 3120	28	C	99	23.6	9	102	96	21.7	6	101
2900	Legend Seeds	EXP18-9791 GENSSRIB	8	P5					104	22.7	0	100
2900	Legend Seeds	LR 9697 VT2PRIB	7	C	93	23.4	4	100	90	21.6	3	99
2900	NK Brand	NK9738 3010	19	C					104	21.9	2	100
2900	Pioneer	P9840AMXT	24	L					94	21.6	14	101
2925	Country Farm	CF474	8	F	97	23.6	1	100	95	21.7	0	100
2925	Country Farm	CF487	6	F	97	24.0	2	101	97	21.1	0	102
2925	Pioneer	P9840AM	23	L					97	21.7	2	99
2925	PRIDE Seeds	A6888G2 RIB	6	F	98	23.6	2	101	96	21.6	0	101
2925	PRIDE Seeds	XP18099G2	6	A					94	22.1	3	100
2950	Brevant	DS97B47RA	8	C	91	23.9	4	98	86	21.9	1	98
2950	CROPLAN	3909SS/RIB	8	A					99	22.1	1	100
2950	CROPLAN	4079SS/RIB	8	A					97	21.8	6	101
2950	De Dell	DL 4555	0	—					94	23.6	0	99
2950	Legend Seeds	LR 9999 VT2PRIB	6	P5					108	21.9	2	98
2950	Maizex	E69K50 LR	8	C					102	22.6	0	101
2950	Maizex	MZ 3818DBR	6	F	96	24.7	1	99	102	21.8	0	99
2950	Maizex	MZ 3877SMX	8	F					102	21.5	1	101
2950	Maizex	MZ 3964DBR	6	F	96	24.0	2	100	94	21.5	1	99
2950	Pioneer	P9998AM	23	L	100	24.6	2	101	100	22.7	1	101
2950	PRIDE Seeds	A6757G8 RIB	8	F	103	23.9	2	101	105	21.7	0	101
2975	De Dell	DL 4902	0	—					95	23.0	1	98
2975	DEKALB	DKC49-09RIB	6	L					105	21.9	1	102
3000	Country Farm	CF18402	8	F					99	22.0	0	103
3000	DLF PICKSEED	PS 3035VT2P RIB	6	L	103	25.2	1	99	103	22.2	1	100
3000	Horizon	HZ 4010	27	F	99	24.7	2	100	99	22.4	1	99
3000	Legend Seeds	LR 9701 GENSSRIB	8	C					103	22.3	1	100
3000	Maizex	E70G30 LR	8	C	104	24.6	1	99	100	21.5	2	99
3000	Pioneer	P0157AM	23	L	97	24.2	2	101	101	22.2	1	101
3000	Pioneer	P9998AMXT	24	L	105	24.3	1	101	105	22.8	0	101
3000	PRIDE Seeds	A7171G2 RIB	6	F	104	24.8	2	100	103	22.8	0	100
3025	Horizon	HZ 1040	20	F	96	23.7	9	101	87	21.9	11	100
3025	Horizon	HZ 4101	27	F					99	23.5	2	99
3050	Brevant	B00R25PW	29	C					104	22.8	0	99
3050	Brevant	B01R72SX	8	C	99	24.8	1	100	94	22.8	1	99
3050	Country Farm	CF610	0	F	99	24.3	5	100	97	23.0	2	99
3050	CROPLAN	4188SS/RIB	8	A					100	22.1	1	99
3050	DEKALB	DKC50-26RIB	8	L	100	24.3	2	102	102	22.0	1	103
3050	Horizon	HZ 4255	14	F	97	24.8	21	99	95	22.6	23	101
3050	Maizex	MZ 4158DBR	6	F					99	22.9	1	99
3050	Maizex	MZ 4280DBR	6	F	106	24.7	3	101	109	23.3	1	100
3050	Pioneer	P0157AMXT	24	L	101	25.2	1	101	106	23.2	0	102
3075	Horizon	HZ 4398	27	F					97	24.0	2	97
3075	PRIDE Seeds	A7270G8 RIB	8	F	101	25.3	5	100	100	23.0	1	100
3100	Brevant	DS02J57RA	8	C	103	25.6	2	98	103	24.4	1	97
3100	Country Farm	CF611	4	F	95	23.7	8	100	93	22.0	4	100
3100	DEKALB	DKC52-84RIB	8	L	95	24.2	1	99	94	21.8	1	100
3100	DLF PICKSEED	PS 3155GSX RIB	8	L	101	26.0	4	100	107	23.6	0	101
3100	Legend Seeds	LR 9903 GENSSRIB	8	P5					101	22.0	3	99
3100	Maizex	E75K60 LR	8	P5					108	24.5	0	100
3100	Maizex	MZ 4343DBR	6	F	102	24.5	4	102	105	23.1	0	100
3100	Maizex	MZ 4368SMX	8	F	100	25.0	5	100	103	22.6	1	100

Results of 2018 Performance Trials

BELMONT

ILDERTON

WOODSTOCK

CHU	Brand and/or Hybrid	BELMONT			ILDERTON			WOODSTOCK			
		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	
2850	Legend Seeds	LS 9495 VT2PRIB	71	21.4	13	89	20.7	0	93	21.3	1
2850	NK Brand	NK9535 3220	108	22.7	0	95	21.8	0	105	22.0	1
2850	Pioneer	P9608AM	97	22.5	1	88	21.6	0	99	21.9	0
2850	Pioneer	P9608AMXT	85	22.2	3	84	21.0	0	92	21.8	0
2850	Pioneer	P9621AMXT	106	23.4	5	100	21.8	0	108	22.2	0
2875	CROPLAN	3899VT2P/RIB	101	22.9	0	100	20.6	1	99	22.3	3
2875	NK Brand	NK9659 3120	85	23.1	13	101	20.4	1	102	21.7	6
2900	Legend Seeds	EXP18-9791 GENSSRIB	100	24.5	1	109	21.4	0	104	22.2	0
2900	Legend Seeds	LR 9697 VT2PRIB	95	22.9	7	85	20.0	0	91	22.0	2
2900	NK Brand	NK9738 3010	100	22.6	1	107	21.2	1	106	21.9	4
2900	Pioneer	P9840AMXT	89	22.5	37	92	21.1	5	101	21.3	2
2925	Country Farm	CF474	94	22.5	0	94	21.5	0	96	21.1	1
2925	Country Farm	CF487	107	22.1	0	92	20.2	0	92	21.2	1
2925	Pioneer	P9840AM	93	23.0	7	100	20.2	0	99	21.8	1
2925	PRIDE Seeds	A6888G2 RIB	93	23.0	0	92	19.9	0	101	21.8	0
2925	PRIDE Seeds	XP18099G2	93	23.4	8	90	20.8	0	98	22.0	1
2950	Brevant	DS97B47RA	86	23.0	3	82	20.5	0	90	22.3	0
2950	CROPLAN	3909SS/RIB	100	23.5	0	90	21.0	1	105	21.8	1
2950	CROPLAN	4079SS/RIB	99	22.8	2	98	21.0	1	94	21.7	15
2950	De Dell	DL 4555	102	24.3	0	92	21.5	1	88	24.9	0
2950	Legend Seeds	LR 9999 VT2PRIB	111	23.4	0	106	20.3	1	106	22.0	4
2950	Maizex	E69K50 LR	108	23.7	0	91	21.4	0	105	22.7	0
2950	Maizex	MZ 3818DBR	104	23.1	0	98	20.3	0	104	22.0	0
2950	Maizex	MZ 3877SMX	97	22.9	2	111	19.9	0	99	21.6	2
2950	Maizex	MZ 3964DBR	90	22.7	0	90	20.2	0	99	21.7	1
2950	Pioneer	P9998AM	102	23.0	3	97	22.4	0	100	22.7	1
2950	PRIDE Seeds	A6757G8 RIB	103	22.4	1	107	20.8	1	103	21.8	0
2975	De Dell	DL 4902	99	24.5	3	93	21.5	0	94	23.1	1
2975	DEKALB	DKC49-09RIB	103	23.0	2	109	21.1	0	103	21.6	1
3000	Country Farm	CF18402	98	23.2	1	96	21.2	0	103	21.7	0
3000	DLF PICKSEED	PS 3035VT2P RIB	105	23.3	1	98	21.0	1	104	22.4	0
3000	Horizon	HZ 4010	100	24.2	2	97	20.7	0	99	22.2	1
3000	Legend Seeds	LR 9701 GENSSRIB	105	23.7	0	110	20.8	2	96	22.3	0
3000	Maizex	E70G30 LR	98	21.9	0	95	20.5	2	106	22.2	3
3000	Pioneer	P0157AM	98	23.6	2	103	20.5	0	100	22.7	1
3000	Pioneer	P9998AMXT	121	23.6	0	88	21.6	0	104	23.3	0
3000	PRIDE Seeds	A7171G2 RIB	105	23.7	0	104	21.9	0	99	22.8	0
3025	Horizon	HZ 1040	77	22.5	33	93	21.2	0	91	22.1	1
3025	Horizon	HZ 4101	96	24.9	1	107	22.1	2	94	23.4	3
3050	Brevant	B00R25PW	105	24.3	0	105	21.3	0	101	23.0	1
3050	Brevant	B01R72SX	99	23.8	2	87	21.6	0	96	22.9	1
3050	Country Farm	CF610	97	23.7	4	100	21.6	1	94	23.6	3
3050	CROPLAN	4188SS/RIB	107	23.7	0	99	20.6	2	95	21.9	1
3050	DEKALB	DKC50-26RIB	101	23.1	0	100	21.1	0	104	21.8	2
3050	Horizon	HZ 4255	82	24.2	56	107	21.1	3	98	22.4	9
3050	Maizex	MZ 4158DBR	97	23.9	3	106	22.0	0	96	22.6	0
3050	Maizex	MZ 4280DBR	116	24.0	2	105	21.8	0	105	24.0	2
3050	Pioneer	P0157AMXT	110	23.9	0	102	22.5	0	105	23.3	1
3075	Horizon	HZ 4398	95	25.1	1	106	21.5	0	92	25.4	4
3075	PRIDE Seeds	A7270G8 RIB	108	24.5	1	91	21.4	1	99	23.1	0
3100	Brevant	DS02J57RA	109	25.0	1	102	23.0	2	98	25.3	1
3100	Country Farm	CF611	93	23.3	8	88	21.2	0	97	21.4	3
3100	DEKALB	DKC52-84RIB	93	23.0	1	90	20.7	0	98	21.8	1
3100	DLF PICKSEED	PS 3155GSX RIB	109	24.5	0	114	22.3	0	99	24.0	0
3100	Legend Seeds	LR 9903 GENSSRIB	94	22.8	6	104	20.9	2	106	22.4	2
3100	Maizex	E75K60 LR	105	25.2	0	111	23.3	0	109	24.9	0
3100	Maizex	MZ 4343DBR	106	24.4	0	107	21.1	0	104	23.8	1
3100	Maizex	MZ 4368SMX	103	24.0	3	99	21.4	0	106	22.3	1

(continued)

CORN — Exeter, Ilderton, Woodstock, Belmont (continued)

CHU	Brand and/or Hybrid	GM Trait	Seed Trt	2017-2018 averages ¹				2018 averages ²			
				average of 7 trials				average of 3 trials			
				Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index
3100	Pioneer P0306AM	23	L	104	24.5	6	100	108	22.2	4	100
3125	Brevant B04R96SX	8	C	98	25.7	5	98	94	23.9	4	99
3125	Country Farm CF626	8	F	97	23.8	1	101	96	22.2	0	101
3125	DEKALB DKC53-56RIB	8	L	100	25.4	2	100	100	22.9	1	100
3125	Legend Seeds LR 9503 GENSSRIB	8	C	96	25.1	1	99	96	22.7	2	99
3125	Pioneer P0414AM	23	L	105	25.7	10	99	104	23.8	13	101
3125	Pioneer P0574AMXT	24	L	100	25.5	7	100	100	23.7	7	101
3150	De Dell DL 6207	0	—	106	27.4	6	98	105	24.6	6	98
3150	Pioneer P0506AM	23	L	103	25.9	3	99	104	23.5	1	99
3150	Pioneer P0574AM	23	L	100	26.4	12	99	97	24.3	19	100
3175	DEKALB DKC55-05RIB	6	L	103	24.7	5	100	103	22.2	4	100
3175	PRIDE Seeds A7373G2 RIB	6	F					112	24.0	2	100
3200	Legend Seeds LR 9608 GENSSRIB	8	C	101	26.6	8	99	102	23.5	9	99
3200	Maizex MZ 4623SMX	8	F					101	24.0	0	97
3200	Maizex MZ 4676DBR	6	F	111	26.0	5	99	109	24.0	1	99
3275	DEKALB DKC58-06RIB	8	L	110	26.8	9	102	108	25.2	4	101
3275	Legend Seeds LR 99A09 VIP 3220 EZ	27	C					108	25.2	5	98
3300	DEKALB DKC59-50RIB	6	L					110	25.3	2	98
LSD (0.10) for Yield Index Points*				4				6			
Average all hybrids†				234	24.7	4	65	232	22.7	3	66

1 Exeter 2017, Ilderton 2017-2018, Woodstock 2017-2018, Belmont 2017-2018

2 Ilderton, Woodstock, Belmont

* The LSD is a measure of variability within the trial. Yield indices that differ by an amount less than or equal to the LSD should be considered to be equal.

† Average Yields are shown in bushels per acre. Average Test Weights are shown in kg/hl.

Hybrid selection should be based on the most data available. Emphasis should be put on averages from several locations and years because these provide a more accurate prediction of future performance than do single location results.

2018 VARIETIES SELECTED

Variety	Variety	Variety

Seeding date:

Harvest date:

Yield:

2019: TOP PICKS

Results of 2018 Performance Trials

CHU	Brand and/or Hybrid	BELMONT			ILDERTON			WOODSTOCK		
		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
3100	Pioneer P0306AM	108	22.5	10	116	21.6	1	103	22.6	1
3125	Brevant B04R96SX	90	24.9	7	97	22.8	1	96	23.9	4
3125	Country Farm CF626	102	23.9	0	83	21.1	0	101	21.7	1
3125	DEKALB DKC53-56RIB	96	24.0	3	101	22.2	0	103	22.5	0
3125	Legend Seeds LR 9503 GENSSRIB	98	23.9	1	98	21.5	1	94	22.7	3
3125	Pioneer P0414AM	93	25.1	37	109	22.0	1	109	24.4	1
3125	Pioneer P0574AMXT	97	24.4	19	105	22.1	1	97	24.5	0
3150	De Dell DL 6207	105	25.7	16	111	22.9	0	101	25.2	2
3150	Pioneer P0506AM	112	24.2	2	104	22.5	0	95	23.9	1
3150	Pioneer P0574AM	100	24.8	57	93	22.9	1	98	25.1	0
3175	DEKALB DKC55-05RIB	98	23.8	10	111	20.6	1	102	22.3	1
3175	PRIDE Seeds A7373G2 RIB	116	24.3	4	118	22.8	0	103	25.0	2
3200	Legend Seeds LR 9608 GENSSRIB	102	24.0	24	107	21.8	2	99	24.8	1
3200	Maizex MZ 4623SMX	102	24.8	0	105	21.9	0	97	25.4	1
3200	Maizex MZ 4676DBR	113	25.5	0	102	21.7	0	112	24.9	3
3275	DEKALB DKC58-06RIB	106	25.2	9	113	23.7	0	106	26.7	2
3275	Legend Seeds LR 99A09 VIP 3220 EZ	103	26.1	7	119	23.4	0	104	26.0	8
3300	DEKALB DKC59-50RIB	112	25.2	4	108	23.6	1	109	27.2	2
		11			11			8		
		236	23.7	6	214	21.4	0	246	22.9	2

FIELD NOTES

CORN — Ridgetown, Tilbury, Dresden

CHU	Brand and/or Hybrid	GM Trait	Seed Trt	2017-2018 averages ¹				2018 averages ²				
				average of 5 trials				average of 2 trials				
				Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	
2950	Brevant	DS97B47RA	8	C					85	20.1	22	96
2950	CROPLAN	4079SS/RIB	8	A					91	19.9	25	98
3000	Legend Seeds	LR 9701 GENSSRIB	8	C					97	20.4	2	99
3000	Pioneer	P0157AM	23	L	93	20.9	8	102	95	21.0	18	102
3050	Brevant	B01R72SX	8	C	94	21.4	11	99	91	21.5	26	97
3050	CROPLAN	4188SS/RIB	8	A					100	19.9	11	98
3050	Pioneer	P0157AMXT	24	L	96	21.3	1	103	104	21.2	1	102
3100	Brevant	DS02J57RA	8	C	97	21.6	12	101	93	21.6	21	99
3100	Legend Seeds	LR 9903 GENSSRIB	8	P5					90	20.7	25	99
3100	Maizex	MZ 4343DBR	6	F	98	22.2	7	101	94	21.1	18	101
3100	Maizex	MZ 4368SMX	8	F	98	21.0	8	100	99	20.3	18	99
3100	Pioneer	P0306AM	23	L	101	21.4	13	101	105	21.3	32	101
3125	Brevant	B04R96SX	8	C	90	22.0	5	99	86	21.8	11	98
3125	Legend Seeds	LR 9503 GENSSRIB	8	C	91	21.1	10	101	87	20.5	20	100
3125	Pioneer	P0414AM	23	L	105	22.6	16	99	99	22.1	37	98
3125	Pioneer	P0574AMXT	24	L	92	21.9	5	100	97	21.0	10	101
3150	CROPLAN	4488SS/RIB	8	A					102	21.4	40	100
3150	De Dell	DL 6207	0	—	100	22.7	10	99	90	22.2	23	99
3150	Pioneer	P0506AM	23	L	103	22.1	7	101	110	22.3	16	101
3150	Pioneer	P0574AM	23	L	95	22.3	12	99	92	21.6	24	100
3175	DEKALB	DKC55-05RIB	6	L	106	21.4	14	100	102	20.0	36	99
3175	PRIDE Seeds	A7373G2 RIB	6	F					97	21.1	15	102
3200	Brevant	B05R05PWE	30	C	100	22.3	17	99	95	21.5	35	99
3200	Brevant	B06N36PWE	30	C	99	21.4	7	100	97	21.3	15	99
3200	Brevant	B08R85SX	8	C	99	23.0	2	97	93	23.0	6	98
3200	Country Farm	CF686	8	F	98	21.9	2	98	107	21.6	5	99
3200	CROPLAN	4791AS3111	20	A					101	22.5	40	98
3200	Legend Seeds	LR 9608 GENSSRIB	8	C	92	21.5	16	101	101	20.9	22	100
3200	Maizex	MZ 4623SMX	8	F					108	21.8	18	98
3200	Maizex	MZ 4676DBR	6	F	102	22.5	16	98	105	21.8	30	99
3200	Maizex	MZ 467X	0	F					94	21.9	22	101
3250	Pioneer	P0825AM	23	L	108	23.3	5	99	106	22.9	13	99
3250	PRIDE Seeds	A7790G8 RIB	8	F	97	23.1	0	103	99	22.7	1	104
3275	DEKALB	DKC58-06RIB	8	L	98	22.8	6	101	100	22.2	14	102
3275	Legend Seeds	LR 99A09 VIP 3220 EZ	27	C					94	22.8	51	99
3300	Brevant	B10R42SX	8	C	106	23.9	9	99	104	23.3	22	100
3300	Country Farm	CF758	8	F	101	21.4	8	102	101	21.1	18	102
3300	CROPLAN	4997VT2P/RIB	6	A					105	22.5	20	101
3300	De Dell	DL 7250	0	—					101	23.7	33	105
3300	DEKALB	DKC59-50RIB	6	L					98	22.6	27	100
3300	Maizex	MZ 5134DBR	6	F					108	22.2	31	99
3300	Maizex	MZ 5165DBR	6	F	111	23.1	6	100	116	22.4	13	102
3300	Pioneer	P0825AMXT	24	L	106	23.1	9	98	111	23.2	23	98
3300	Pioneer	P0977AM	23	L					103	22.2	40	102
3300	PRIDE Seeds	XP18108G2	6	A					106	22.1	24	102
3350	Country Farm	CF762	4	F	102	23.2	19	102	96	21.7	46	102
3375	DEKALB	DKC63-60RIB	8	P5					114	23.9	10	104
3400	De Dell	DL 9812	0	—	103	25.5	9	95	99	23.3	23	97
3400	Pioneer	P1197AMXT	24	L	107	23.5	8	99	110	22.2	18	98
3400	PRIDE Seeds	A8303G8 RIB	8	F	109	25.0	3	102	121	23.6	5	105
LSD (0.10) for Yield Index Points*					5				8			
Average all hybrids†					232	22.4	9	69	216	21.8	22	71

1 Ridgetown 2017-2018, Tilbury 2017, Dresden 2017-2018

2 Ridgetown, Dresden

* The LSD is a measure of variability within the trial. Yield indices that differ by an amount less than or equal to the LSD should be considered to be equal.

† Average Yields are shown in bushels per acre. Average Test Weights are shown in kg/hl.

Hybrid selection should be based on the most data available. Emphasis should be put on averages from several locations and years because these provide a more accurate prediction of future performance than do single location results.

Results of 2018 Performance Trials

DRESDEN RIDGETOWN

CHU	Brand and/or Hybrid	DRESDEN			RIDGETOWN		
		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2950	Brevant DS97B47RA	85	21.4	43	85	18.8	0
2950	CROPLAN 4079SS/RIB	91	20.4	49	92	19.4	1
3000	Legend Seeds LR 9701 GENSSRIB	104	21.1	2	90	19.7	1
3000	Pioneer P0157AM	98	22.3	31	92	19.7	6
3050	Brevant B01R72SX	92	22.0	53	91	21.0	0
3050	CROPLAN 4188SS/RIB	102	20.7	21	98	19.1	0
3050	Pioneer P0157AMXT	107	21.8	2	101	20.6	1
3100	Brevant DS02J57RA	91	22.0	35	95	21.1	8
3100	Legend Seeds LR 9903 GENSSRIB	88	21.9	48	92	19.4	2
3100	Maizex MZ 4343DBR	92	21.8	35	97	20.4	1
3100	Maizex MZ 4368SMX	91	21.6	36	105	19.0	1
3100	Pioneer P0306AM	112	22.1	61	98	20.4	3
3125	Brevant B04R96SX	83	21.9	20	89	21.7	1
3125	Legend Seeds LR 9503 GENSSRIB	83	20.9	32	92	20.1	8
3125	Pioneer P0414AM	94	22.4	70	104	21.8	3
3125	Pioneer P0574AMXT	99	21.1	19	95	20.9	2
3150	CROPLAN 4488SS/RIB	95	22.1	72	109	20.7	8
3150	De Dell DL 6207	92	22.5	40	89	21.9	5
3150	Pioneer P0506AM	116	22.3	33	105	22.4	0
3150	Pioneer P0574AM	87	22.3	37	97	20.9	10
3175	DEKALB DKC55-05RIB	90	20.5	67	114	19.6	5
3175	PRIDE Seeds A7373G2 RIB	91	21.2	30	103	20.9	0
3200	Brevant B05R05PWE	95	21.8	55	96	21.2	15
3200	Brevant B06N36PWE	92	22.1	28	102	20.5	2
3200	Brevant B08R85SX	94	22.8	12	93	23.2	0
3200	Country Farm CF686	112	22.3	8	102	21.0	2
3200	CROPLAN 4791AS3111	104	22.8	72	100	22.1	9
3200	Legend Seeds LR 9608 GENSSRIB	103	22.0	42	99	19.9	3
3200	Maizex MZ 4623SMX	116	21.7	35	101	22.0	0
3200	Maizex MZ 4676DBR	102	22.0	53	108	21.5	7
3200	Maizex MZ 467X	88	22.3	37	99	21.5	7
3250	Pioneer P0825AM	112	23.0	19	100	22.8	7
3250	PRIDE Seeds A7790G8 RIB	103	22.7	1	95	22.7	0
3275	DEKALB DKC58-06RIB	99	21.5	26	101	22.8	1
3275	Legend Seeds LR 99A09 VIP 3220 EZ	97	23.2	57	92	22.4	45
3300	Brevant B10R42SX	106	23.5	41	102	23.1	3
3300	Country Farm CF758	100	21.5	30	101	20.7	6
3300	CROPLAN 4997VT2P/RIB	94	22.5	37	115	22.5	2
3300	De Dell DL 7250	103	23.7	62	100	23.7	3
3300	DEKALB DKC59-50RIB	93	22.1	49	103	23.1	4
3300	Maizex MZ 5134DBR	105	22.1	57	110	22.2	4
3300	Maizex MZ 5165DBR	124	22.9	27	109	21.9	0
3300	Pioneer P0825AMXT	112	23.8	45	111	22.5	1
3300	Pioneer P0977AM	97	23.0	68	108	21.4	12
3300	PRIDE Seeds XP18108G2	110	22.3	44	102	21.9	4
3350	Country Farm CF762	94	22.0	73	98	21.3	19
3375	DEKALB DKC63-60RIB	116	24.1	18	113	23.8	3
3400	De Dell DL 9812	100	23.2	35	97	23.4	10
3400	Pioneer P1197AMXT	114	21.9	30	106	22.5	7
3400	PRIDE Seeds A8303G8 RIB	136	23.2	7	107	24.0	4
		14			8		
		204	22.2	38	228	21.4	5

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Soybean Crops

ONTARIO SOYBEAN AND CANOLA COMMITTEE (OSACC)

This organization is made up of representatives of Agriculture & Agri-Food Canada, the University of Guelph, the Ontario Seed Growers Association, the Canadian Seed Trade Association, the Grain Farmers of Ontario, OMAF and various agricultural organizations. Tests are conducted each year by AAFC research centres at Ottawa and Harrow and the University of Guelph and its regional Colleges at Kemptville and Ridgetown. More information can be found at www.GoSoy.ca

Interpretation of Variety Description Table

Plant Breeders' Rights

☉ Indicates a variety that is protected by Plant Breeders Rights legislation that complies with UPOV 1978.

☪ Indicates a variety that is protected by, or has been applied for and is pending, Plant Breeders Rights legislation that complies with UPOV 1991.

Notes: Varieties with resistance genes for races of the Phytophthora root rot organism in Ontario:

1a,1c,1k, 6: Resistance genes for Phytophthora root rot in Ontario which provide resistance to some races of the pathogen. Rps 1a does not provide protection to most races of the pathogen in Ontario

SCN: Resistant to some HG types of Soybean Cyst Nematode (SCN) in Ontario.

HP: Varieties with above average protein index.

L-LA: L-LA is a designation used by seed sponsors to indicate a soybean variety that produces low linolenic acid in the seed

Herbicide Reaction

RR: Roundup Ready™ (Trademark of Monsanto Company)

RR2Y: Roundup Ready 2 Yield™ (Trademark of Monsanto Company)

LL: Liberty Link™ (Trademark of Bayer CropScience AG)

Varieties have not been evaluated for metribuzin tolerance by OSACC. For further information contact seed distributor. The following variety has been reported to OSACC as being Metribuzin Sensitive (MS): Astor.

Relative Maturity

Ranking of maturities has been initiated to provide producers with a rating system that is similar to the USA soybean industry standards. Rankings are not assigned by OSACC. See attached Relative Maturity map on page 67.

Hilum Colour

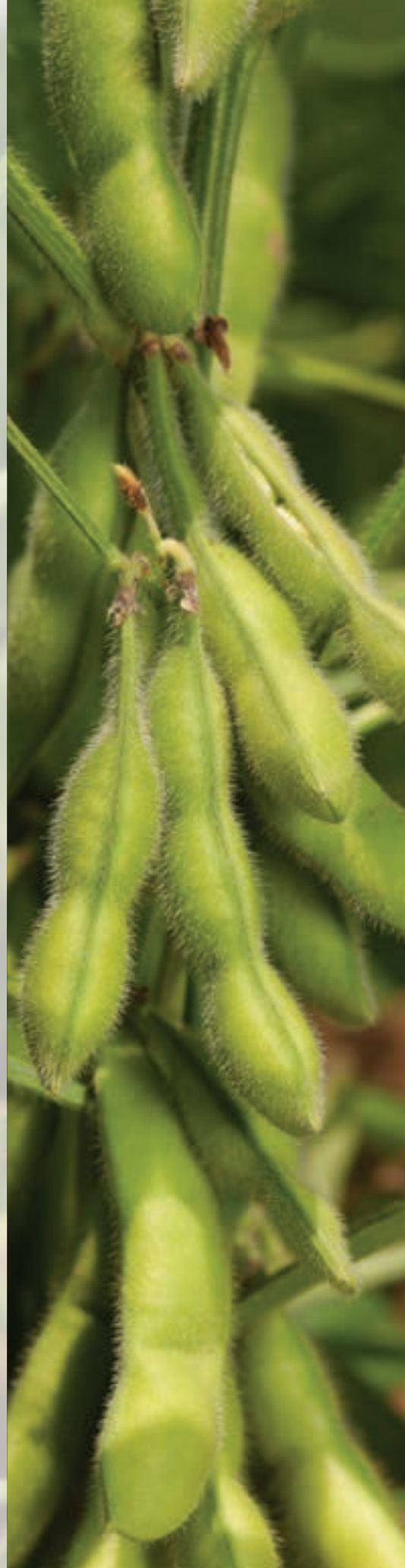
Each soybean seed has a hilum which is the point where it was attached to the pod. Varieties differ in hilum colour and can be either Yellow (Y), Imperfect Yellow (IY), Gray (GR), Buff (BF), Brown (BR), Black (BL), or Imperfect Black (IBL). Hilum colour may also be Light (L). Yellow hilum soybeans are usually the only type accepted for the export market. In certain years discolouration of the hilum of IY varieties can occur and as a result the soybeans may not be acceptable for export markets.

Seeds per Kilogram

This is an estimate of the relative number of seeds of a particular variety in a kilogram of seed based on a 1-2 years of data from all locations where a variety was tested. Since seed size can vary from year to year and from seed lot to seed lot these figures should be used as a rough guide only. The actual seed size reported on each seed lot should be used to calculate seeding rate.

Phytophthora Root Rot % Plant Loss

Based on three year average in a field heavily infested with Phytophthora. Not all races of Phytophthora root rot are found at these sites. The relative ranking of varieties for plant loss may differ in fields that have other races present.



Ontario Performance Trial Data

SOYBEANS

Interpretation of Variety Description Table

Disease Testing Information

Phytophthora root rot testing is carried out on clay soils infested with common races of Phytophthora at Woodslee. White Mold variety ratings will be listed on the web at www.Gosoy.ca as they become available. SCN tests are done in collaboration with variety sponsors and the SCN Resistant Variety Development project. For further information, contact soyinfo@oopsc.org.

Protein & Oil Index

Protein Index (%) and Oil (%) are found on the web at www.Gosoy.ca.

Least Significant Difference (LSD)

The Least Significant Difference (LSD) was determined for each Yield Index column. To compare any two varieties within a column, the yield can be considered the same if the difference between their yield indices is less than or equal to the LSD for that column.

Interpretation of Agronomic Performance Tables

Days from Planting to Maturity

Maturity is affected by planting date and the area where a variety is being grown. Varieties are rated as being mature when 95% of the pods on the plants are ripe. Normally, 3-10 additional drying days are needed before the crop is dry enough for combining. A 2-year average is shown.

Yield Index

Varieties can only be compared within each test area. Yield index of a variety indicates its performance as a percentage of the average yield of all varieties grown in a test area. Small index differences may not be meaningful. In Tables 2-4, the yield index for each location and for the average of all locations is based on 2-3 years of testing. In Tables 5-6, the Clay and Loam Averages are based on 3 years of testing. Yield index averaged over locations and years will be a more reliable indicator of yield potential than performance from one single location or single year.

Plant Height

An indicator of the amount of plant growth, it is measured at maturity as the length of the stem from the base of the plant at soil level to its tip. A 2-year average is shown.

Lodging

A visual estimate at maturity of the standability of the crop. A value of 1 is equivalent to a crop standing completely upright, while a 5 represents a crop entirely flat. Within a test area, varieties with lower values are less prone to lodging. A 2-year average is shown. Lodging may not be rated for all test sites in each maturity group.

Testing Methods

In each trial, varieties were replicated in a suitable experimental design and received equal fertility, weed control and management. All trials were planted and harvested by machine. Tests were separated into conventional herbicide and glyphosate herbicide treated plots. Prior to harvest, plant height and lodging scores were obtained. The grain harvested from each plot was weighed and the yield of soybeans was calculated in tonnes/hectare at 13% moisture.

Food Soybean Varieties (F)

The Conventional and Food soybean variety trials were combined for the first time in 2006. All conventional and food varieties were grown in the same test sites in all three years for which data is presented.

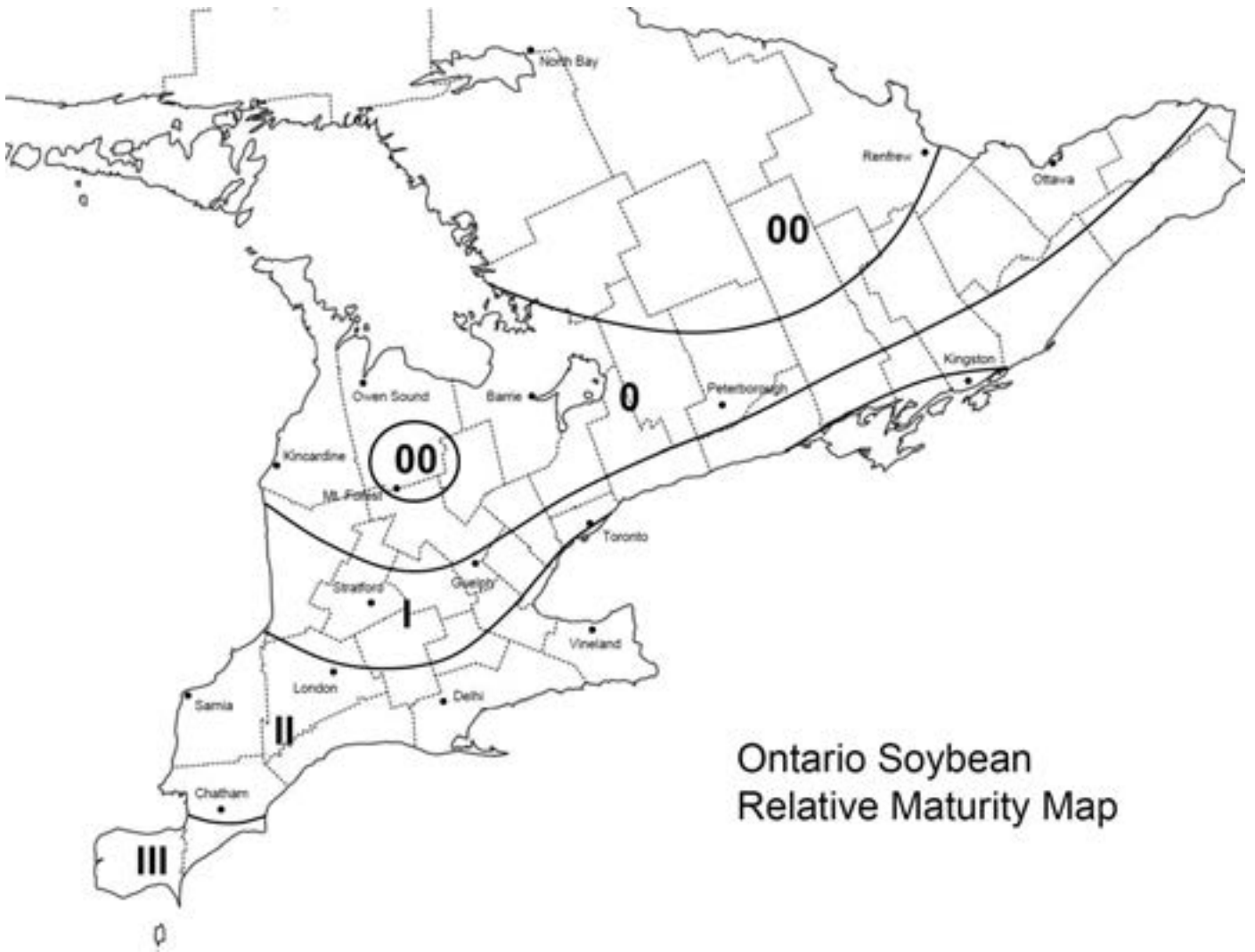
SOYBEAN TEST LOCATIONS & SOIL TYPES

Test Locations and Soil Types - 2018 Trials

Location	Table	Relative Maturity	Soil Type	Row Width (cm)	Seeding Rate (plant/ac)	Co-operator	Trial Co-ordinator
New Liskeard	2a	00.5	clay	35	200,000	U of Guelph, New Liskeard	U of Guelph, New Liskeard
Dundalk	2b	00.9	loam	56	168,000	Leo Blydorp	ORDC, AAFC, Ottawa
Arthur	2b	0.2	clay loam	56	168,000	Doug Shaw	ORDC, AAFC, Ottawa
Elora	2b & 3	0.6	silt loam	35	200,000	OAC, U of Guelph	OAC, U of Guelph
Ottawa	3	0.6	clay loam	45	200,000	Research Centre, AAFC, Ottawa	ORDC, AAFC, Ottawa
Brussels	3	0.7	loam	56	168,000	Neil Mitchell	ORDC, AAFC, Ottawa
Port Hope	3	1.0	sandy loam	56	168,000	Bruce Hendry	ORDC, AAFC, Ottawa
Winchester	4	1.0	silt loam	Twin (48, 28)*	200,000	U of Guelph, Winchester	U of Guelph, Winchester
Woodstock	4	1.8	clay loam	35	200,000	Bob Hart	OAC, U of Guelph
Exeter	4	1.7	clay loam	38	200,000	Gordon Jones	Ridgetown Campus, U of Guelph
St. Marys	4	1.5	clay loam	35	200,000	Alex Gibson	OAC, U of Guelph
Talbotville	5	2.3	clay loam	48	168,000	Richard and John Andrews	Ridgetown Campus, U of Guelph
Palmyra	5	2.7	clay	43	200,000	Richard Wierenga	Ridgetown Campus, U of Guelph
Inwood	5	2.4	clay	43	200,000	Jeff Lassaline	Ridgetown Campus, U of Guelph
Ridgetown	5	2.8	clay loam	43	160,000	Ridgetown Campus, U of Guelph	Ridgetown Campus, U of Guelph
Chatham	6	2.9	clay loam	43	160,000	Wonnacott Farms Ltd.	Ridgetown Campus, U of Guelph
Merlin	6	3.1	clay	43	200,000	Grant Guy	Ridgetown Campus, U of Guelph
Woodslee	6	3.3	clay	46	200,000	Research Centre, AAFC, Harrow	HRDC, AAFC, Harrow
Malden	6	3.5	clay loam	46	185,000	Research Centre, AAFC, Harrow	HRDC, AAFC, Harrow

* Twin rows 48 (between twin rows) and 28 cm (within twin row) spacing.

SOYBEAN RELATIVE MATURITY MAP



Ontario Soybean
Relative Maturity Map

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TABLE 1 — Variety Descriptions

Variety	Notes	Herbicide Reaction	Relative Maturity ¹	Hilum Colour	Seeds per Kg	Phytophthora		Distributor
						Root Rot %	Plant Loss ²	
DKB0005-44	1c	RR2X	000.5	BL	6500	na	DEKALB	
PS 00078 XRN	SCN 1c	RR2X	000.7	BL	6600	na	PRIDE Seeds	
Dario R2X		RR2X	000.9	BR	6500	11*	Prograin	
DKB0009-89	1c, 1k	RR2X	000.9	BL	5300	na	DEKALB	
Fisher R2X	SCN 1k	RR2X	000.9	BL	6200	na	SeCan	
PS 00095 R2		RR2Y	000.9	BL	5800	na	PRIDE Seeds	
S0009-M2	6	RR2Y	000.9	IY	6000	7	Syngenta Canada, Inc.	
Prince R2X	SCN 1k	RR2X	00.1	BL	6000	na	SeCan	
Mahony R2		RR2Y	00.2	IBL	5600	6	SeCan	
Mani R2X	SCN 1c	RR2X	00.2	LBR	5100	17*	Elite Seeds	
P002A19X	1k	RR2X	00.2	IY	6900	17*	DuPont Pioneer	
DKB003-29	SCN	RR2X	00.3	BL	5200	14*	DEKALB	
Fjord			00.3	IY	4900	20	SG Ceresco, Inc.	
PS 0035 NR2	SCN	RR2Y	00.3	BL	5100	13	PRIDE Seeds	
B0040L1		RR2Y	00.4	BR	6600	na	BREVANT	
Bourke R2X	1k	RR2X	00.4	BL	6200	na	SeCan	
Meteor	HP		00.4	IY	4700	14	Sevita International	
PS 0044 XRN	SCN 1a	RR2X	00.4	BL	6400	12*	PRIDE Seeds	
DKB005-52	SCN 1c	RR2X	00.5	BL	5800	11*	DEKALB	
P005A27X	1c	RR2X	00.5	BR	5400	9*	DuPont Pioneer	
PRO 2525R2		RR2Y	00.5	BL	5200	15	Sevita International	
S007-Y4	1c	RR2Y	00.5	IY	6100	6	Syngenta Canada, Inc.	
B0067Z1⊕		RR2Y	00.6	BL	5400	11	BREVANT	
DKB006-29	1k	RR2X	00.6	BL	5200	9*	DEKALB	
DKB006-99	SCN 3a	RR2X	00.6	BL	5800	na	DEKALB	
Dugaldo R2X		RR2X	00.6	Y	5800	na	Prograin	
P006A37X	1c	RR2X	00.6	BR	5500	na	DuPont Pioneer	
PS 0068 XR	1c	RR2X	00.6	BL	5800	na	PRIDE Seeds	
S006-M4X	1c	RR2X	00.6	IY	6900	na	Syngenta Canada, Inc.	
Astor		MS	00.7	Y	4400	36	Sevita International	
DKB007-67	SCN 3a	RR2X	00.7	BL	5800	na	DEKALB	
Kendo R2		RR2Y	00.7	GR	5300	16	Prograin	
P007A90R⊕	1c	RR	00.7	BL	5800	9*	DuPont Pioneer	
PS 0074 R2		RR2Y	00.7	BR	6500	13	PRIDE Seeds	
RX00797	1c	RR2X	00.7	IBL	—	na	CROPLAN by WinField United	
AAC Hensatto⊕			00.8	Y	9300	na	Hensall District Co-op Inc	
Astro R2		RR2Y	00.8	BL	5600	16	Prograin	
Asuka			00.8	IY	4700	16	Synagri	
DKB008-81		RR2X	00.8	GR	6900	18*	DEKALB	
Domingo R2X		RR2X	00.8	IY	5300	22*	Prograin	
LS 008R21		RR2Y	00.8	BR	5200	9	Sevita International	
S008-N2		RR2Y	00.8	BR	5300	19*	Syngenta Canada, Inc.	
AAC Invest 1605			00.9	Y	5600	24	Bramhill Seeds	
Akras R2	1k	RR2Y	00.9	BL	5700	11	Elite Seeds	
B0099B1⊕		RR2Y	00.9	BL	5300	6*	BREVANT	
Hana			00.9	Y	5100	16	Prograin	
Jari			00.9	IY	5000	14	Elite Seeds	
PRO 2535R2	1k	RR2Y	00.9	BL	4800	11	Sevita International	
PS 0098 XR	1k	RR2X	00.9	BL	6300	na	PRIDE Seeds	
Nordika			0	Y	4300	10	Pedigrain	
DKB01-11	SCN 1c	RR2X	0.1	BL	5500	10*	DEKALB	
P01A84X	SCN 1c, 6	RR2X	0.1	BR	—	na	DuPont Pioneer	
Panorama			0.1	Y	4500	10	Sevita International	
S01-C4X	1c	RR2X	0.1	BL	5800	9*	Syngenta Canada, Inc.	
Sunna R2X		RR2X	0.1	G	5800	na	Elite Seeds	
CF2608Xt	1c, 1k	RR2X	0.2	BL	6000	5*	Country Farm Seeds Ltd.	
Donaldo R2X		RR2X	0.2	BL	5300	na	Prograin	
Electra R2X	SCN 1c	RR2X	0.2	BR	5200	15*	SeCan	
Hydra R2⊕	1k	RR2Y	0.2	IBL	5600	10	Elite Seeds	
Kyoto			0.2	Y	4900	9	Synagri	
Malto R2	SCN 1c	RR2Y	0.2	BL	4900	7	Prograin	

(continued) TABLE 1 — VARIETY DESCRIPTIONS

Variety	Notes	Herbicide Reaction	Relative Maturity ¹	Hilum Colour	Seeds per Kg	Phytophthora		Distributor
						Root Rot %	Plant Loss ²	
RX0247	1c	RR2X	0.2	IBL	5700	na		CROPLAN by WinField United
AAC Shinju	1c		0.3	Y	9200	21		Huron Commodities Inc.
B032R1	1k	RR2Y	0.3	BR	5900	10		BREVANT
B039Y1		RR2Y	0.3	BL	5000	8		BREVANT
Chikala			0.3	Y	10000	37		Huron Commodities Inc.
PRO 03X74		RR2X	0.3	BR	5600	8*		Sevita International
PS 0333 XRN	SCN 1c, 1k	RR2X	0.3	BL	5100	10*		PRIDE Seeds
S03-W4☉	1c		0.3	IY	4800	10*		Syngenta Canada, Inc.
B045C0			0.4	IY	5200	11		BREVANT
DKB04-41	1c	RR2X	0.4	GR	6500	6*		DEKALB
Excursion R2X	SCN 1c	RR2X	0.4	BL	5400	4*		SeCan
OAC Champion☉			0.4	IY	4800	11		Sevita International
OAC Strive☉			0.4	IY	4200	10		SeCan
P04A60R☉	1k	RR	0.4	BR	4800	6*		DuPont Pioneer
PS 0416 R2	1c	RR2Y	0.4	BL	5800	9		PRIDE Seeds
RX Ignite	1c	RR2X	0.4	IBL	5300	na		Elite Seeds
S04-D3	1c	RR2Y	0.4	BL	5300	12		Syngenta Canada, Inc.
CF01GR		RR2Y	0.5	BL	5300	14		Country Farm Seeds Ltd.
Chiba			0.5	Y	4400	na		Elite Seeds
OAC Lakeview			0.5	Y	4800	13		SeCan
P05T80			0.5	IY	4400	14		DuPont Pioneer
PS 0555 XRN	SCN 1c	RR2X	0.5	BL	5900	8*		PRIDE Seeds
S05-F9	SCN 1c	RR2Y	0.5	BL	5700	6		Syngenta Canada, Inc.
Salto R2	3a	RR2Y	0.5	BR	5700	6*		Prograin
Taurus			0.5	IY	4900	13		Prograin
Vidar R2X		RR2X	0.5	BL	—	na		Elite Seeds
Woden R2X		RR2X	0.5	BL	4900	na		Elite Seeds
Altitude R2	3a	RR2Y	0.6	BR	4900	18		SeCan
Cypress			0.6	Y	5200	9.3		Sevita International
Deniro R2X		RR2X	0.6	BR	5700	8*		Prograin
DKB06-43	SCN 1c	RR2X	0.6	BL	6100	6*		DEKALB
Donar R2X	3a	RR2X	0.6	BR	6100	7*		Elite Seeds
Expedition R2X		RR2X	0.6	GR	6300	7*		SeCan
OAC Durham			0.6	Y	4500	6		Bramhill Seeds
OAC Evolution☉			0.6	IY	5100	16		SeCan
P06A13R☉	1c	RR	0.6	BF	5100	7*		DuPont Pioneer
P06A51X	1k	RR2X	0.6	BR	4400	na		DuPont Pioneer
PRO 2735R2C	SCN 1k	RR2Y	0.6	IBL	5500	10		Sevita International
RX Kodiak	SCN 3a	RR2X	0.6	BL	5600	7*		Elite Seeds
RX0636	1c	RR2X	0.6	IBL	5100	12*		CROPLAN by WinField United
S07-D2☉	3a		0.6	Y	4700	6		Syngenta Canada, Inc.
Angelica☉			0.7	IY	4500	18		C&M Seeds
Denzo R2X		RR2X	0.7	IY	5600	na		Prograin
Diego R2X		RR2X	0.7	BR	5600	na		Prograin
Expo R2X	SCN 1k	RR2X	0.7	BL	5400	3*		SeCan
Extent R2X	SCN 1c	RR2X	0.7	BL	5700	na		SeCan
Genesis			0.7	Y	4700	16		Sevita International
Marula			0.7	Y	4500	14		Prograin
Miko R2		RR2Y	0.7	BR	5200	10		Prograin
Nagoya			0.7	Y	5600	7		Synagri
OAC Challenger R2		RR2Y	0.7	BR	5000	13		SeCan
OAC Prescott☉			0.7	GR	4000	23		SeCan
OAC Wallace			0.7	BR	4800	15		SeCan
PRO 07X76N	SCN 3a	RR2X	0.7	BL	6100	7*		Sevita International
PRO 2625R2		RR2Y	0.7	BL	4800	9		Sevita International
PS 0777 XRN	SCN 3a	RR2X	0.7	BL	5600	8*		PRIDE Seeds
R2C0724	SCN 1c	RR2Y	0.7	BL	5600	na		CROPLAN by WinField United
S07-K5X	3a	RR2X	0.7	GR	4900	7*		Syngenta Canada, Inc.
B088Y1	1k	RR2Y	0.8	Y	4800	8		BREVANT
Cascade			0.8	Y	3800	9.1		Sevita International
CF12GR		RR2Y	0.8	BL	5200	12		Country Farm Seeds Ltd.
Draco R2X		RR2X	0.8	BR	5200	na		Prograin

TABLE 1 — VARIETY DESCRIPTIONS (continued)

Variety	Notes	Herbicide Reaction	Relative Maturity ¹	Hilum Colour	Seeds per Kg	Phytophthora		Distributor
						Root Rot %	Plant Loss ²	
Emperor			0.8	IY	4200	20		Sevita International
Ezra			0.8	IY	4800	6*		Prograin
Neptune			0.8	IY	4200	12		Sevita International
OAC Drayton			0.8	LBR	5100	5		Bramhill Seeds
P08T96R0	1c	RR	0.8	BF	5000	15		DuPont Pioneer
PRO 08X36N	SCN 1c	RR2X	0.8	BL	5100	na		Sevita International
S07-M80	1c		0.8	IY	4400	8		Syngenta Canada, Inc.
Tala			0.8	Y	4600	5		Sevita International
Vertigo R2	SCN 1k	RR2Y	0.8	Y	5400	5*		Prograin
Absolute RR	1c	RR2Y	0.9	BL	5400	15		SeCan
B095D10	SCN	RR2Y	0.9	BR	5400	9*		BREVANT
Black Pearl0			0.9	BL	4600	11		Beechwood Agri Services
CF09X9	SCN 1c, 3a	RR2X	0.9	BF	5700	na		Country Farm Seeds Ltd.
DKB09-91	SCN 3a	RR2X	0.9	BR	5700	9*		DEKALB
Gibil R2X	SCN	RR2X	0.9	BF	4900	11*		Elite Seeds
Havane			0.9	Y	4700	4		SG Ceresco, Inc.
Lassa R2X		RR2X	0.9	BL	6300	na		Elite Seeds
P09A53X	1k	RR2X	0.9	BR	4800	5*		DuPont Pioneer
P09A62X	1c	RR2X	0.9	BF	4500	na		DuPont Pioneer
P09T74R20	SCN 1c	RR2Y	0.9	BL	5700	13		DuPont Pioneer
PRO 09X236N	SCN 1c	RR2X	0.9	IBL	5600	na		Sevita International
S09-C3X	SCN 1c	RR2X	0.9	BL	5100	8*		Syngenta Canada, Inc.
S09-R8X	SCN 1c	RR2X	0.9	IY	5200	na		Syngenta Canada, Inc.
Skyline	SCN		0.9	Y	5100	6		Sevita International
Acora	1c		1	IY	4600	9		Prograin
B101C0			1	Y	5100	11		BREVANT
Expert R2X	SCN 1k	RR2X	1	BL	—			SeCan
LC1070	SCN 1a		1	BL	—	na		CROPLAN by WinField United
OAC Eve0			1	IY	4400	10		SeCan
P10T48R0	1c	RR	1	BF	5300	10		DuPont Pioneer
PRO 10X06N	SCN 1c	RR2X	1	BL	—	na		Sevita International
PRO 2845R2C	SCN 1c	RR2Y	1	BL	5300	14		Sevita International
Rx Response	SCN 1c	RR2X	1	BL	4800	10*		Elite Seeds
RX1018	1c	RR2X	1	BL	—	na		CROPLAN by WinField United
S10-R20	SCN		1	Y	4800	5		Syngenta Canada, Inc.
CF2858Xt	SCN 1c	RR2X	1.1	BR	5200	13*		Country Farm Seeds Ltd.
Eider			1.1	Y	4600	6		SG Ceresco, Inc.
Katonda R2	1k	RR2Y	1.1	BL	5400	10		Elite Seeds
Maxo R2		RR2Y	1.1	BR	5300	25		Prograin
P11A10			1.1	Y	4700	5*		DuPont Pioneer
P11A67			1.1	IY	4800	7*		DuPont Pioneer
PS 1162 R2	1c	RR2Y	1.1	BL	5900	17		PRIDE Seeds
B120L1		RR2Y	1.2	GR	5200	na		BREVANT
CF31GR	SCN 1c	RR2Y	1.2	BL	—	5		Country Farm Seeds Ltd.
DH530			1.2	IY	4800	24		Sevita International
DKB12-57	SCN 1c, 3a	RR2X	1.2	BL	5700	10*		DEKALB
Dofino R2X		RR2X	1.2	BL	5300	2*		Prograin
Maris R2X		RR2X	1.2	BR	—	na		Elite Seeds
OAC Adare			1.2	IY	4500	17		Hensall District Co-op Inc
PRO 12X236N	SCN 1c	RR2X	1.2	BL	—	na		Sevita International
PS 1222 XRN	SCN 3a	RR2X	1.2	BR	5700	6*		PRIDE Seeds
S12-P3X	SCN 1k	RR2X	1.2	BR	5100	na		Syngenta Canada, Inc.
Zana			1.2	Y	5000	15		Prograin
Arius			1.3	Y	4300	15*		Prograin
Bakara	1c		1.3	IY	4400	9		Prograin
CF13X9	SCN 1c	RR2X	1.3	BL	—	na		Country Farm Seeds Ltd.
Edge R2X	SCN 1c	RR2X	1.3	BL	5200	9*		SeCan
Karra			1.3	Y	4900	11		Prograin
Mateo R2		RR2Y	1.3	BL	4800	12		Prograin
Osaka			1.3	Y	4900	8		Synagri
PS 1338 XRN	SCN 1c	RR2X	1.3	BL	—	na		PRIDE Seeds
RX Laser	SCN 1c, 3a	RR2X	1.3	BL	—	na		Elite Seeds

(continued) TABLE 1 — VARIETY DESCRIPTIONS

Variety	Notes	Herbicide Reaction	Relative Maturity ¹	Hilum Colour	Seeds per Kg	Phytophthora		Distributor
						Root Rot %	Plant Loss ²	
Rx Titus	SCN 1c	RR2X	1.3	IBL	6100	11*		Elite Seeds
Volcano R2		RR2Y	1.3	BR	4600	8*		Prograin
DH4173			1.4	Y	4800	13		Sevita International
DKB14-41	SCN	RR2X	1.4	IBL	5300	9*		DEKALB
P14A23L	SCN 1c	LL	1.4	BR	—	na		DuPont Pioneer
S14-B2X	SCN 1c	RR2X	1.4	BL	5300	7*		Syngenta Canada, Inc.
S14-T7X	SCN	RR2X	1.4	BL	—	na		Syngenta Canada, Inc.
B150Y1	1k	RR2Y	1.5	Y	4900	11		BREVANT
HDC Goshen	SCN		1.5	Y	4400	14		Hensall District Co-op Inc
Laurentian	SCN		1.5	Y	—	na		Sevita International
P15A63X	SCN 1k	RR2X	1.5	BL	4600	17*		DuPont Pioneer
P15T46R2⊕	SCN 1c	RR2Y	1.5	IBL	5500	10		DuPont Pioneer
RX1518	SCN 1c	RR2X	1.5	IBL	—	na		CROPLAN by WinField United
Azalea			1.6	BL	4800	16		Sevita International
DH4202			1.6	Y	4400	24		Sevita International
Diablo R2X		RR2X	1.6	BL	5700	18*		Prograin
HDC 1600T			1.6	Y	4600	17		Hensall District Co-op Inc
Mylitta R2	SCN 1c	RR2Y	1.6	BR	5400	12		Elite Seeds
OAC Avatar			1.6	IY	4600	17		SeCan
OAC Calypso			1.6	IY	4800	18		Sevita International
OAC Prosper⊕	SCN		1.6	Y	4900	7		Huron Commodities Inc.
P16A13X	SCN 1c	RR2X	1.6	IBL	—	na		DuPont Pioneer
PS 1666 XRN	SCN 1c	RR2X	1.6	IBL	5600	3*		PRIDE Seeds
RX Columbia	SCN	RR2X	1.6	BL	5200	na		Elite Seeds
S14-H3⊕	SCN		1.6	IY	4500	9		Syngenta Canada, Inc.
S16-F5⊕	SCN 1c		1.6	Y	4400	11		Syngenta Canada, Inc.
CF3008Xt	SCN 1c	RR2X	1.7	BF	5300	19*		Country Farm Seeds Ltd.
DKB17-34	SCN 1c	RR2X	1.7	IBL	5800	2*		DEKALB
OAC Bruton⊕	SCN		1.8	Y	4100	7		SeCan
P18A98X	SCN 1c	RR2X	1.8	IBL	—	na		DuPont Pioneer
PRO 16X346N	SCN 3a	RR2X	1.8	BL	5400	na		Sevita International
PRO 3025R2C	SCN 1k	RR2Y	1.8	BL	5100	10		Sevita International
PS 1888 XRN	SCN 1c	RR2X	1.8	BL	6100	4*		PRIDE Seeds
Rx Stacatto	SCN	RR2X	1.8	BR	5700	6*		Elite Seeds
RX1818	SCN 1c	RR2X	1.8	IBL	—	na		CROPLAN by WinField United
S18-G4X	SCN 1c	RR2X	1.8	BL	5200	19*		Syngenta Canada, Inc.
S18-H3X	SCN	RR2X	1.8	BL	4700	na		Syngenta Canada, Inc.
B194Y1	SCN 1c, 1k	RR2Y	1.9	BL	5000	13		BREVANT
B198T1⊕	SCN	RR2Y	1.9	BR	5200	14*		BREVANT
CF19X9	SCN 1c	RR2X	1.9	IBL	5400	na		Country Farm Seeds Ltd.
HDC Blake			1.9	Y	4000	11		Hensall District Co-op Inc
P19A14X	SCN 1k	RR2X	1.9	BF	5900	16*		DuPont Pioneer
P19T39R2	SCN 1k	RR2Y	1.9	IBL	5300	13		DuPont Pioneer
DKB20-14	SCN 1c	RR2X	2	IBL	5900	9*		DEKALB
Excellence R2X	SCN 1c	RR2X	2	IBL	5400	10*		SeCan
PS 2020 XRN	SCN 1c	RR2X	2	IBL	5400	4*		PRIDE Seeds
S20-L8X	SCN 1c	RR2X	2	BL	4800	11*		Syngenta Canada, Inc.
B213C0	SCN 1c		2.1	Y	4900	10		BREVANT
B215Y1	SCN 1c	RR2Y	2.1	BL	5000	11		BREVANT
Candor			2.1	Y	4300	11		Sevita International
DKB21-11	SCN 1c	RR2X	2.1	BL	5600	10*		DEKALB
OAC Kent			2.1	Y	4400	9		SeCan
P21A20			2.1	Y	4800	11*		DuPont Pioneer
P21A28X	SCN 1k	RR2X	2.1	BL	5400	7*		DuPont Pioneer
P21A81L	SCN 1c	LL	2.1	BR	4800	na		DuPont Pioneer
Bragi R2X	SCN 1k, 3a	RR2X	2.2	IBL	5000	5*		Elite Seeds
DKB22-31	SCN 1c	RR2X	2.2	BL	5700	10*		DEKALB
Exact R2X	SCN 1c	RR2X	2.2	BL	4900	na		SeCan
NA 2300	SCN		2.2	Y	4700	8		New Age Seeds Inc
OAC Brooke			2.2	Y	4200	13		SeCan
OAC Marvel	SCN		2.2	Y	4500	6		Huron Commodities Inc.
OAC Ramsay⊕	SCN		2.2	Y	4400	8		SeCan

TABLE 1 — VARIETY DESCRIPTIONS (continued)

Variety	Notes	Herbicide Reaction	Relative Maturity ¹	Hilum Colour	Seeds per Kg	Phytophthora		Distributor
						Root Rot %	Plant Loss ²	
P22T69RⓄ	SCN 1k	RR	2.2	BL	5700	7		DuPont Pioneer
PRO 22X76N	SCN 1c	RR2X	2.2	IBL	5200	5*		Sevita International
S22-J4X	SCN 1c	RR2X	2.2	BL	4900	5*		Syngenta Canada, Inc.
X790P	HP		2.2	Y	4000	14*		Hensall District Co-op Inc
Extra R2X	SCN 1c	RR2X	2.3	BL	5600	na		SeCan
OAC Thamesville			2.3	Y	4600	18		Southwest Seeds
P23A15X	SCN 1c	RR2X	2.3	BR	5000	na		DuPont Pioneer
P23A32X	SCN 1c	RR2X	2.3	BR	5600	na		DuPont Pioneer
Rx Velocity	SCN 1c	RR2X	2.3	BF	5500	9*		Elite Seeds
SG 2311			2.3	Y	4800	7		Huron Commodities Inc.
B244N1	SCN	RR2Y	2.4	BL	5900	13		BREVANT
DKB24-97	SCN 1c	RR2X	2.4	IBL	5700	14*		DEKALB
Express R2X	SCN 1c, 1k	RR2X	2.4	BL	5400	14*		SeCan
P24A80X	SCN 1k	RR2X	2.4	BL	5900	6*		DuPont Pioneer
PS 2444 XRN	SCN 1k	RR2X	2.4	BL	5800	9*		PRIDE Seeds
Rx Optimum	SCN 1c	RR2X	2.4	IBL	5500	7*		Elite Seeds
RX2436	1c	RR2X	2.4	IBL	6600	17*		CROPLAN by WinField United
AAC 26-15	SCN		2.5	Y	4800	11		Huron Commodities Inc.
AAC Malden	SCN		2.5	Y	4500	10		SeCan
CF3176Xt	1c	RR2X	2.5	IBL	5800	10*		Country Farm Seeds Ltd.
DF 155			2.5	Y	4700	5		AGRIS Co-operative Ltd.
Executive R2X	SCN 3a	RR2X	2.5	BR	5400	3*		SeCan
P25A54X	SCN 1c	RR2X	2.5	BL	4600	na		DuPont Pioneer
P25A65RⓄ	SCN 1c	RR	2.5	BR	5400	12*		DuPont Pioneer
PS 2555 XRN	SCN 1c	RR2X	2.5	IBL	6100	3*		PRIDE Seeds
S25-B6X	SCN 1c	RR2X	2.5	BR	5500	13*		Syngenta Canada, Inc.
CF3207Xt	SCN 1c	RR2X	2.6	DBR	5300	11*		Country Farm Seeds Ltd.
DKB26-61	SCN 1a, 1c	RR2X	2.6	BL	5400	15*		DEKALB
Equinox R2	SCN 1c, 3a	RR2Y	2.6	IBL	4700	6		SeCan
PS 2666 XRN	SCN 1c	RR2X	2.6	IBL	5400	18*		PRIDE Seeds
Vali R2X	SCN 1c	RR2X	2.6	BL	6300	8*		Elite Seeds
B270Y1	SCN 1a	RR2Y	2.7	IBL	5600	11		BREVANT
CF3256Xt	SCN 1c	RR2X	2.7	DBR	6400	10*		Country Farm Seeds Ltd.
P27A17X	SCN 1k	RR2X	2.7	BL	5500	na		DuPont Pioneer
S27-U2X	SCN 1k	RR2X	2.7	BL	5500	na		Syngenta Canada, Inc.
DKB28-81	SCN 1c	RR2X	2.8	IBL	5500	10*		DEKALB
P28A94X	SCN 1k	RR2X	2.8	IBL	5400	na		DuPont Pioneer
P28T08RⓄ	SCN 1k	RR	2.8	BL	5500	13		DuPont Pioneer
P28T62RⓄ	SCN 1k, 3a	RR	2.8	BR	5500	13		DuPont Pioneer
RX Ballistic	1c	RR2X	2.8	IBL	6000	11*		Elite Seeds
RX Regatta	SCN 1a, 1c	RR2X	2.8	BR	5700	na		Elite Seeds
P29A25X	SCN 1k	RR2X	2.9	BR	6500	na		DuPont Pioneer
S29-R5X	SCN 1k	RR2X	2.9	BR	6400	na		Syngenta Canada, Inc.
PS 3033 XRN	SCN 1c	RR2X	3	IBL	6400	4*		PRIDE Seeds
RX3015	1c	RR2X	3	IBL	5700	53*		CROPLAN by WinField United
P31A22X	SCN 1k	RR2X	3.1	BR	5600	8*		DuPont Pioneer
S31-M1X	SCN	RR2X	3.1	BL	6600	na		Syngenta Canada, Inc.
DKB32-21	SCN 1c	RR2X	3.2	IBL	6100	5*		DEKALB
DKB33-54	SCN 1k, 3a	RR2X	3.3	IBL	5800	11*		DEKALB
P33T72RⓄ	SCN 1k	RR	3.3	BL	6100	14		DuPont Pioneer

1 Relative Maturity - ranking of maturity provided by seed sponsors.

2 Phytophthora % Plant Loss na=less than 2 yrs of data available, * only 2 yrs of data available.

Ⓞ = PBR 78;

Ⓞ = PBR 91 or PBR 91 pending

NOTES:

1a, 1c, etc. - Phytoph. resist. genes

HP - High Protein

SCN - SCN Resistant

L-LA - Low-Linolenic Acid

HERBICIDE REACTION:

RR - Roundup Ready

RR2Y - Roundup Ready 2 Yield

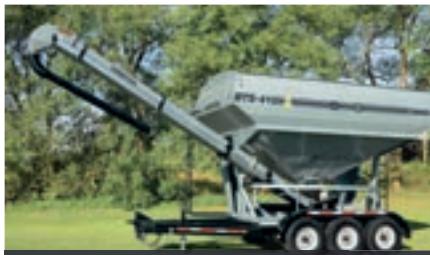
RR2X - Roundup Ready 2 Xtend

LL - Liberty Link

MS - Metribuzin Sensitive



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TABLE 2A — MATURITY GROUP 00 (2100-2300 HU) AREAS, RR TEST

Variety	Days to Mature	NEW LISKEARD Yield Index			Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	3 year		
S0009-M2	113	85	94	87	78	1.4
Dario R2X	118	75	77	—	84	1.2
P002A19X	118	81	81	—	79	1.5
PS 0035 NR2	119	103	103	102	87	1.3
Akras R2	121	113	100	102	83	1.1
S008-N2	121	124	123	—	81	1.1
Mahony R2	121	121	124	112	84	1.7
P005A27X	121	110	94	—	74	1.0
DKB005-52	121	107	106	—	80	1.2
DKB003-29	122	113	102	—	85	1.3
S007-Y4	123	103	103	100	81	1.5
PS 0044 XRN	124	91	94	—	82	1.6
DKB006-29	125	106	103	—	87	1.6
Kendo R2	125	99	95	97	95	1.4
B0067Z1	128	101	102	—	83	1.5
Astro R2	129	110	98	100	90	1.4
DTM (1yr)						
DKB0005-44	105	83	—	—	—	—
Fisher R2X	105	82	—	—	—	—
Lassa R2X	105	91	—	—	—	—
Prince R2X	105	92	—	—	—	—
PS 00078 XRN	105	82	—	—	—	—
PS 00095 R2	105	90	—	—	—	—
DKB0009-89	106	102	—	—	—	—
Bourke R2X	107	110	—	—	—	—
S006-M4X	109	97	—	—	—	—
P006A37X	111	107	—	—	—	—
B0040L1	112	92	—	—	—	—
Dugaldo R2X	112	93	—	—	—	—
PS 0068 XR	112	97	—	—	—	—
Sunna R2X	113	101	—	—	—	—
PS 0074 R2	114	119	—	—	—	—
DKB006-99	117	92	—	—	—	—
DKB007-67	117	106	—	—	—	—
PS 0098 XR	120	117	—	—	—	—
LSD (0.10)		8	7	5		
Average yield (T/ha)		2.84	2.71	2.93		
(bu/ac)		42.1	40.2	43.5		

Testing Locations: Table 2a.1

New Liskeard	2016	2017	2018
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TABLE 2B — MATURITY GROUP 00 (2300-2500 HU) AREAS, RR TEST

Variety	Days to Mature	AVERAGE Yield Index			ARTHUR Yield Index		DUNDALK Yield Index		ELORA Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	3 year	2 year	3 year	2 year	3 year	2 year	3 year		
P007A90R	110	80	87	—	94	—	77	—	86	—	62	1.2
S007-Y4	110	90	85	86	81	82	82	83	91	93	60	1.3
Hydra R2	112	95	97	98	94	97	98	97	99	99	68	1.4
S008-N2	112	101	101	—	100	—	107	—	98	—	75	1.8
B0067Z1	113	102	101	95	98	93	104	96	101	97	63	1.3
PS 0074 R2	113	107	105	100	99	96	114	103	105	101	70	1.9
DKB006-29	114	94	96	—	93	—	102	—	95	—	64	1.4
S01-C4X	114	97	89	—	90	—	76	—	98	—	67	1.3
LS 008R21	115	109	110	106	113	106	119	111	100	102	72	1.7
Domingo R2X		115	89	83	—	75	—	78	—	93	—	63 1.4
Kendo R2	116	97	95	93	92	93	94	90	98	96	74	1.3
DKB008-81	116	110	96	—	97	—	90	—	98	—	66	1.2
PRO 2525R2	116	102	103	94	102	92	107	94	100	95	77	1.4
Astro R2	118	113	103	100	106	105	104	96	100	98	76	1.5
B0099B1	118	118	115	—	111	—	125	—	112	—	66	1.3
Mani R2X	119	118	102	—	107	—	84	—	109	—	72	1.9
Salto R2	119	108	104	—	109	—	99	—	104	—	62	1.1
PRO 2535R2	119	106	109	105	109	108	112	104	106	104	81	1.6
S05-F9	120	114	106	108	110	111	107	108	100	106	70	1.3
CF01GR	124	120	114	115	119	118	119	118	105	109	78	1.5
DTM (1yr)												
Mahony R2	110	83	—	—	—	—	—	—	—	—	—	—
S006-M4X	111	92	—	—	—	—	—	—	—	—	—	—
Dugaldo R2X	112	79	—	—	—	—	—	—	—	—	—	—
PS 0068 XR	112	86	—	—	—	—	—	—	—	—	—	—
DKB007-67	113	93	—	—	—	—	—	—	—	—	—	—
DKB006-99	113	80	—	—	—	—	—	—	—	—	—	—
RX00797	114	89	—	—	—	—	—	—	—	—	—	—
Maris R2X	115	97	—	—	—	—	—	—	—	—	—	—
PS 0098 XR	115	102	—	—	—	—	—	—	—	—	—	—
P01A84X	117	100	—	—	—	—	—	—	—	—	—	—
DKB04-41	118	110	—	—	—	—	—	—	—	—	—	—
CF2608Xt	120	119	—	—	—	—	—	—	—	—	—	—
LSD (0.10)		7	5	4	9	6	12	8	7	6		
Average yield (T/ha)		3.01	2.68	2.87	2.94	3.11	2.06	2.37	3.04	3.13		
(bu/ac)		44.7	39.8	42.6	43.7	46.1	30.6	35.1	45.1	46.5		

Testing Locations: Table 2.1			
Arthur	2016	2017	2018
Dundalk	2016	2017	2018
Elora	2016	2017	2018

TABLE 3.1 — MATURITY GROUP 0 (2500-2800 HU) AREAS , RR TEST

Variety	Days to Mature	AVERAGE Yield Index			BRUSSELS Yield Index		ELORA Yield Index		OTTAWA Yield Index		PORT HOPE Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	3 year	2 year	3 year	2 year	3 year	2 year	3 year	2 year	3 year		
S01-C4X	112	94	91	—	88	—	95	—	96	—	87	—	72	1.3
PRO 03X74	113	101	100	—	100	—	98	—	96	—	107	—	70	1.3
S04-D3	113	100	98	96	104	98	99	96	96	95	96	93	75	1.3
Electra R2X	113	91	83	—	88	—	81	—	81	—	83	—	76	1.3
LS 008R21	113	92	93	93	89	88	97	95	95	95	92	92	73	1.5
Astro R2	114	94	92	91	97	93	99	94	87	87	87	89	74	1.5
PRO 2535R2	115	94	95	91	96	91	94	91	94	88	95	93	82	2.0
DKB04-41	115	97	93	—	92	—	93	—	87	—	99	—	66	1.2
P04A60R	115	97	97	—	101	—	97	—	94	—	98	—	73	1.4
DKB01-11	116	90	87	—	76	—	94	—	89	—	89	—	68	1.6
CF2608Xt	116	94	95	—	102	—	100	—	95	—	85	—	82	1.7
Malto R2	116	103	104	—	106	—	106	—	101	—	103	—	66	1.3
PS 0333 XRN	116	90	92	—	92	—	91	—	93	—	92	—	75	1.4
Excursion R2X	117	99	100	—	105	—	99	—	96	—	100	—	84	1.8
PS 0555 XRN	117	95	93	—	82	—	93	—	93	—	102	—	72	1.9
B032R1	117	95	97	95	105	99	95	94	97	96	90	92	65	1.5
PS 0777 XRN	117	94	98	—	90	—	94	—	99	—	108	—	71	1.3
S05-F9	117	98	96	—	99	—	91	—	98	—	98	—	75	1.2
Salto R2	117	100	99	—	104	—	94	—	97	—	100	—	67	1.1
Expedition R2X	117	100	100	—	102	—	104	—	91	—	101	—	67	1.3
PS 0416 R2	117	96	101	98	110	102	98	98	103	100	92	91	71	1.3
Deniro R2X	118	92	95	—	92	—	92	—	96	—	99	—	65	1.4
DKB06-43	118	97	96	—	99	—	95	—	96	—	95	—	76	1.4
P06A13R	119	102	100	—	93	—	105	—	107	—	96	—	63	1.1
PRO 2735R2C	119	108	107	106	108	105	109	106	96	99	117	114	70	1.1
B039Y1	119	102	107	103	111	105	107	106	106	101	104	101	80	1.6
PRO 2625R2	119	104	102	100	100	99	105	102	101	98	104	103	78	1.4
S07-K5X	119	105	106	—	98	—	110	—	106	—	111	—	75	1.2
Donar R2X	119	98	102	—	108	—	106	—	102	—	94	—	74	1.4
CF12GR	119	102	102	98	105	98	104	100	101	98	97	97	82	1.9
Expo R2X	119	98	96	—	90	—	100	—	103	—	93	—	85	2.1
Miko R2	119	117	111	108	105	103	115	110	113	111	112	110	78	1.9
RX0636	119	95	89	—	90	—	91	—	88	—	89	—	79	1.7
DKB09-91	119	106	97	—	86	—	98	—	97	—	106	—	77	1.6
CF01GR	119	100	99	98	103	100	93	96	103	98	99	99	83	2.1
RX Kodiak	120	101	101	—	95	—	100	—	108	—	100	—	75	1.6
P08T96R	120	99	102	100	106	102	97	98	106	104	99	97	72	1.1
PRO 07X76N	120	103	103	—	102	—	107	—	110	—	93	—	84	1.7
P09T74R2	120	107	106	103	108	103	103	102	108	104	106	102	76	1.2
Altitude R2	120	113	112	110	109	108	109	108	111	109	118	116	71	1.1
Absolute RR	120	103	101	100	101	99	101	101	102	100	100	101	79	1.4
Vertigo R2	120	104	105	—	107	—	97	—	109	—	109	—	72	1.2
OAC Challenger R2	120	101	99	99	99	98	99	97	107	106	92	97	90	2.4
B095D1	121	109	104	—	100	—	107	—	105	—	105	—	71	1.5
S09-C3X	121	107	108	—	107	—	102	—	104	—	119	—	76	1.7
B088Y1	121	116	114	109	115	108	111	107	114	109	116	110	77	1.4
P09A53X	121	108	111	—	118	—	109	—	109	—	106	—	77	1.1
Katonda R2	122	109	109	—	110	—	109	—	111	—	106	—	77	1.1
Rx Response	123	108	109	—	108	—	110	—	107	—	112	—	79	1.7
DTM (1yr)														
Dugaldo R2X	107	74	—	—	—	—	—	—	—	—	—	—	—	—
Donaldo R2X	110	84	—	—	—	—	—	—	—	—	—	—	—	—
Diego R2X	111	94	—	—	—	—	—	—	—	—	—	—	—	—
Woden R2X	113	101	—	—	—	—	—	—	—	—	—	—	—	—
RX Ignite	113	97	—	—	—	—	—	—	—	—	—	—	—	—
RX0247	113	89	—	—	—	—	—	—	—	—	—	—	—	—
Denzo R2X	114	97	—	—	—	—	—	—	—	—	—	—	—	—
PRO 09X236N	114	105	—	—	—	—	—	—	—	—	—	—	—	—
CF09X9	115	97	—	—	—	—	—	—	—	—	—	—	—	—
Draco R2X	115	97	—	—	—	—	—	—	—	—	—	—	—	—
P06A51X	115	102	—	—	—	—	—	—	—	—	—	—	—	—
PRO 08X36N	116	102	—	—	—	—	—	—	—	—	—	—	—	—
S09-R8X	116	106	—	—	—	—	—	—	—	—	—	—	—	—
Extent R2X	116	101	—	—	—	—	—	—	—	—	—	—	—	—
R2C0724	116	105	—	—	—	—	—	—	—	—	—	—	—	—
B120L1	117	104	—	—	—	—	—	—	—	—	—	—	—	—
P09A62X	118	110	—	—	—	—	—	—	—	—	—	—	—	—
S12-P3X	118	107	—	—	—	—	—	—	—	—	—	—	—	—
CF2858Xt	120	104	—	—	—	—	—	—	—	—	—	—	—	—
LSD (0.10)		6	4	3	11	7	7	5	6	5	9	7		
Average yield (T/ha)		4.03	3.58	3.73	3.57	3.99	3.47	3.52	3.52	3.72	3.77	3.69		
(bu/ac)		59.7	53.1	55.3	53.0	59.2	51.4	52.2	52.2	55.2	56.0	54.7		

Testing Locations: Table 3.1			
Brussels	2016	2017	2018
Elora	2016	2017	2018
Ottawa	2016	2017	2018
Lindsay	2016	2017	—
Port Hope	—	—	2018

TABLE 3.2 — MATURITY GROUP 0 (2500-2800 HU) AREAS , CONVENTIONAL TEST

Variety	Days to Mature	AVERAGE Yield Index			BRUSSELS Yield Index		ELORA Yield Index		OTTAWA Yield Index		PORT HOPE Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	3 year	2 year	3 year	2 year	3 year	2 year	3 year	2 year	3 year		
Fjord	106	61	64	63	58	58	61	62	62	59	75	72	65	1.4
Meteor	110	88	84	83	81	80	86	86	83	81	87	84	71	1.5
Jari	112	96	93	92	97	95	100	99	80	82	98	95	79	1.9
AAC Invest 1605	112	86	85	86	91	88	88	92	80	79	82	84	73	2.3
Chikala	113	80	75	76	77	79	82	80	71	72	71	75	69	1.5
Hana	114	95	93	96	89	97	100	98	94	95	90	93	68	1.2
AAC Shinju	114	80	79	79	81	81	86	84	75	75	75	78	78	1.8
Asuka	115	93	92	95	88	91	93	94	93	100	92	95	67	1.2
Panorama	115	100	100	99	105	102	102	102	98	96	98	96	63	1.2
Astor	115	86	93	92	92	91	94	91	96	98	90	88	67	1.3
S03-W4	115	96	96	—	94	—	96	—	93	—	103	—	75	1.4
Kyoto	116	94	97	100	86	94	98	99	98	102	103	105	73	1.2
S10-R2	116	105	103	103	110	110	96	100	102	102	104	101	77	1.5
S07-D2	117	102	99	98	98	96	102	99	97	98	101	99	86	1.7
OAC Lakeview	117	103	105	105	99	101	102	101	111	109	105	108	78	1.6
OAC Strive	117	101	99	101	105	104	95	97	94	99	103	103	79	1.5
S07-M8	118	103	106	106	107	108	102	105	111	112	101	99	72	1.2
Taurus	118	91	94	103	85	96	99	106	98	108	93	102	86	1.5
OAC Champion	118	97	97	96	95	97	98	94	99	99	94	93	83	1.8
Marula	118	108	105	105	102	103	103	100	107	108	106	108	84	1.1
Nordika	118	95	101	105	101	103	99	102	102	106	103	110	80	1.5
Cypress	119	112	109	111	112	114	112	115	108	108	105	109	74	1.1
OAC Durham	119	105	102	103	107	105	113	108	93	97	99	101	71	1.9
Nagoya	119	99	103	103	106	106	101	102	107	106	97	99	72	1.1
OAC Drayton	119	108	110	111	113	111	110	110	108	112	109	111	77	1.3
OAC Eve	119	108	108	107	104	105	108	109	111	107	108	107	78	1.4
Cascade	119	96	98	—	102	—	92	—	102	—	94	—	83	1.3
Angelica	119	108	109	109	110	111	105	109	112	112	107	106	85	1.4
P05T80	119	105	107	106	106	105	106	106	112	109	103	105	84	1.3
OAC Evolution	119	114	109	109	108	107	107	106	111	114	109	107	80	1.2
Osaka	120	102	105	106	102	105	101	104	105	103	110	112	74	1.5
Neptune	120	107	108	107	101	105	105	104	110	110	113	110	72	1.2
Ezra	120	125	121	—	125	—	123	—	123	—	115	—	82	1.2
Tala	120	115	114	112	123	119	110	110	112	111	113	110	80	1.4
B045C0	120	109	105	105	97	101	109	107	103	101	109	109	82	1.3
Genesis	122	113	115	112	117	114	117	114	115	112	110	109	80	1.4
Emperor	122	115	112	110	118	114	103	108	114	109	115	110	72	1.1
Skyline	123	106	106	106	107	107	98	100	111	111	108	107	86	1.4
DTM (1yr)														
AAC Hensatto	107	63	—	—	—	—	—	—	—	—	—	—	—	—
OAC Prescott	114	118	—	—	—	—	—	—	—	—	—	—	—	—
Chiba	116	104	—	—	—	—	—	—	—	—	—	—	—	—
OAC Wallace	117	106	—	—	—	—	—	—	—	—	—	—	—	—
LSD (0.10)		6	4	3	13	8	7	5	8	7	9	7		
Average yield (T/ha)		3.64	3.42	3.43	2.95	3.29	3.16	3.40	3.92	3.58	3.66	3.43		
(bu/ac)		53.9	50.7	50.8	43.7	48.9	46.8	50.4	58.1	53.1	54.3	51.0		

Testing Locations: Table 3.2			
Brussels	2016	2017	2018
Elora	2016	2017	2018
Ottawa	2016	2017	2018
Lindsay	2016	2017	—
Port Hope	—	—	2018

TABLE 4.1 — MATURITY GROUP 1 (2700-2900 HU) AREAS, RR TEST

Variety	Days to Mature	AVERAGE Yield Index			EXETER Yield Index		ST. MARYS Yield Index	WINCHESTER Yield Index		WOODSTOCK Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	3 year	2 year	3 year	2 year	2 year	3 year	2 year	3 year		
Miko R2	123	95	99	98	85	95	101	108	100	103	100	88	1.6
DKB09-91	124	95	95	—	103	—	95	92	—	91	—	88	1.3
P09A53X	125	91	97	—	92	—	93	101	—	104	—	87	1.2
S09-C3X	125	98	98	—	101	—	98	95	—	99	—	84	1.5
Gibil R2X	125	93	97	—	97	—	93	94	—	103	—	94	1.3
PS 1666 XRN	126	91	94	—	97	—	95	92	—	91	—	94	1.3
Maxo R2	126	98	101	101	95	102	97	109	101	101	102	90	1.4
P10T48R	126	99	97	98	99	103	90	97	96	100	99	81	1.3
PRO 2845R2C	126	104	100	98	99	103	100	100	93	103	96	84	1.3
B095D1	126	92	96	—	95	—	96	102	—	90	—	81	1.3
PS 1222 XRN	126	101	99	—	103	—	104	98	—	93	—	92	1.4
Dofino R2X	127	98	101	—	98	—	93	104	—	107	—	91	1.6
B088Y1	127	96	103	100	89	95	105	118	106	103	96	89	1.3
Rx Titus	128	101	100	—	103	—	100	96	—	99	—	97	1.6
DKB12-57	128	100	101	—	106	—	97	104	—	94	—	93	1.4
CF2858Xt	128	76	87	—	95	—	84	83	—	83	—	92	1.4
S14-B2X	129	97	95	—	105	—	97	88	—	89	—	85	1.4
B150Y1	129	89	97	96	87	93	98	105	101	100	92	90	1.4
PS 1162 R2	129	92	92	90	87	90	88	97	90	96	95	94	1.2
Edge R2X	129	98	100	—	98	—	99	104	—	101	—	91	1.3
DKB14-41	129	100	100	—	106	—	101	99	—	94	—	90	1.5
P15T46R2	130	103	103	101	100	102	107	103	98	103	101	92	1.5
Volcano R2	130	97	100	—	103	—	101	95	—	103	—	89	1.6
P15A63X	130	104	104	—	106	—	101	102	—	107	—	85	1.4
Diablo R2X	131	106	100	—	104	—	103	92	—	102	—	91	1.3
S18-G4X	131	111	103	—	106	—	110	94	—	103	—	93	1.5
PS 1888 XRN	131	104	102	—	110	—	98	100	—	100	—	90	1.6
Mylitta R2	132	103	104	104	96	102	107	104	103	109	106	89	1.4
CF31GR	132	104	111	107	107	109	113	117	107	107	103	96	1.6
Mateo R2	133	95	98	98	86	90	102	104	100	103	101	95	1.4
CF3008Xt	133	111	105	—	115	—	104	101	—	99	—	89	1.2
P19T39R2	133	108	106	104	109	110	104	103	100	107	104	97	1.3
PRO 3025R2C	135	109	111	109	110	109	121	110	107	104	104	99	1.5
P19A14X	135	116	109	—	112	—	114	99	—	113	—	95	1.5
DTM (1yr)													
CF09X9	123	90	—	—	—	—	—	—	—	—	—	—	—
S09-R8X	124	98	—	—	—	—	—	—	—	—	—	—	—
PRO 10X06N	125	89	—	—	—	—	—	—	—	—	—	—	—
S07-K5X	125	91	—	—	—	—	—	—	—	—	—	—	—
RX1018	126	96	—	—	—	—	—	—	—	—	—	—	—
B120L1	127	95	—	—	—	—	—	—	—	—	—	—	—
Expert R2X	127	84	—	—	—	—	—	—	—	—	—	—	—
P09A62X	128	97	—	—	—	—	—	—	—	—	—	—	—
S12-P3X	128	106	—	—	—	—	—	—	—	—	—	—	—
RX Laser	129	97	—	—	—	—	—	—	—	—	—	—	—
Vidar R2X	129	99	—	—	—	—	—	—	—	—	—	—	—
Rx Response	129	102	—	—	—	—	—	—	—	—	—	—	—
S14-T7X	130	103	—	—	—	—	—	—	—	—	—	—	—
PS 1338 XRN	131	100	—	—	—	—	—	—	—	—	—	—	—
CF13X9	131	102	—	—	—	—	—	—	—	—	—	—	—
PRO 12X236N	132	97	—	—	—	—	—	—	—	—	—	—	—
RX1518	133	105	—	—	—	—	—	—	—	—	—	—	—
RX Columbia	134	109	—	—	—	—	—	—	—	—	—	—	—
S18-H3X	135	103	—	—	—	—	—	—	—	—	—	—	—
PRO 16X346N	135	104	—	—	—	—	—	—	—	—	—	—	—
P16A13X	136	98	—	—	—	—	—	—	—	—	—	—	—
RX1818	137	119	—	—	—	—	—	—	—	—	—	—	—
CF19X9	139	117	—	—	—	—	—	—	—	—	—	—	—
P18A98X	139	99	—	—	—	—	—	—	—	—	—	—	—
B194Y1	141	119	—	—	—	—	—	—	—	—	—	—	—
B198T1	141	109	—	—	—	—	—	—	—	—	—	—	—
LSD (0.10)		6	4	3	7	5	8	7	5	9	7		
Average yield (T/ha)		4.57	4.27	4.43	4.59	4.63	4.03	4.30	4.64	4.18	4.22		
(bu/ac)		67.7	63.4	65.7	68.1	68.6	59.8	63.8	68.9	62.0	62.6		

Testing Locations: Table 4.1

Exeter	2016	2017	2018
St. Marys	—	2017	2018
Winchester	2016	2017	2018
Woodstock	2016	2017	2018

TABLE 4.2 — MATURITY GROUP 1 (2700-2900 HU) AREAS, CONVENTIONAL TEST

Variety	Days to Mature	AVERAGE Yield Index			EXETER Yield Index		ST. MARYS Yield Index	WINCHESTER Yield Index		WOODSTOCK Yield Index		Plant Height (cm)	Lodging	
		1 year	2 year	3 year	2 year	3 year	2 year	2 year	3 year	2 year	3 year		1=standing	5=flat
S10-R2	121	94	92	92	106	102	93	91	84	89	84	87	89	2.1
Nagoya	122	97	96	94	95	94	96	95	96	92	98	96	87	1.1
B101C0	123	93	99	99	100	101	101	103	100	98	96	95	87	1.2
Kyoto	123	86	86	87	88	91	79	81	92	91	81	83	78	1.2
Karra	123	93	96	97	97	99	87	90	99	99	101	99	87	1.6
Osaka	124	94	94	94	99	97	92	91	94	96	92	92	86	1.5
Neptune	124	95	99	—	100	—	95	—	102	—	97	—	86	1.3
Havane	124	98	99	100	94	94	98	103	104	105	99	99	92	1.4
Tala	125	102	100	100	92	93	103	103	104	103	100	101	94	1.6
Black Pearl	125	91	91	95	88	90	90	90	95	107	87	90	98	1.6
S14-H3	125	105	102	99	114	109	99	96	96	93	101	97	85	1.4
Acora	126	99	99	102	92	96	97	101	105	106	103	105	99	1.5
DH4173	127	97	96	97	94	93	96	97	100	99	94	99	94	1.2
Eider	127	101	103	102	93	92	103	103	103	100	116	113	100	1.9
P11A10	127	106	105	—	109	—	97	—	106	—	105	—	98	1.6
P11A67	127	102	107	—	102	—	101	—	109	—	114	—	93	1.3
Genesis	127	102	101	—	94	—	104	—	103	—	101	—	88	1.9
Skyline	127	99	95	93	96	94	98	95	98	96	88	89	96	1.8
S16-F5	128	104	97	98	116	112	98	97	86	92	89	91	83	1.3
DH530	128	94	97	99	107	108	99	99	87	91	98	99	91	1.5
Bakara	129	100	99	97	92	91	98	98	109	105	98	95	99	1.5
Zana	129	111	107	107	100	99	107	105	111	112	110	114	99	1.4
DH4202	129	103	103	103	103	104	98	99	103	103	108	106	89	1.3
OAC Avatar	130	112	107	107	106	105	113	113	104	104	107	107	96	1.8
OAC Adare	130	101	101	100	99	101	96	97	104	99	105	102	93	1.3
HDC Goshen	130	107	100	99	104	98	106	104	93	92	98	101	105	1.5
Azalea	130	113	114	114	127	126	113	114	108	109	106	107	90	1.6
OAC Calypso	131	111	109	110	100	102	117	113	113	116	107	108	99	1.8
Arius	131	94	92	—	85	—	97	—	93	—	92	—	104	1.7
HDC 1600T	131	105	103	103	102	104	103	103	100	99	108	108	90	1.6
OAC Prosper	132	109	105	104	102	101	112	110	97	100	109	107	92	2.3
HDC Blake	133	103	103	103	96	98	109	105	99	101	108	110	103	1.6
Candor	134	106	104	103	108	104	106	103	102	102	102	101	96	1.7
DTM (1yr)														
Nordika	120	77	—	—	—	—	—	—	—	—	—	—	—	—
Cascade	122	91	—	—	—	—	—	—	—	—	—	—	—	—
Cypress	125	94	—	—	—	—	—	—	—	—	—	—	—	—
LC1070	129	97	—	—	—	—	—	—	—	—	—	—	—	—
P14A23L	130	113	—	—	—	—	—	—	—	—	—	—	—	—
Laurentian	138	99	—	—	—	—	—	—	—	—	—	—	—	—
LSD (0.10)		5	4	3	6	5	7	6	8	6	8	6		
Average yield (T/ha)		4.04	4.00	4.04	4.03	4.26	3.75	3.62	4.56	4.54	3.66	3.75		
(bu/ac)		59.9	59.3	60.0	59.8	63.3	55.6	53.7	67.7	67.3	54.3	55.7		

Testing Locations: Table 4.2			
Exeter	2016	2017	2018
St. Marys	2016	2017	2018
Winchester	2016	2017	2018
Woodstock	2016	2017	2018

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TABLE 5.1 — EARLY MATURITY GROUP 2 (2900-3300 HU) AREAS, RR TEST

Variety	Days to Mature	CLAY AVG		INWOOD	PALMYRA		LOAM AVG		RIDGETOWN		TALBOTVILLE		Plant Height (cm)	Lodging 1=standing 5=flat
		Yield Index 1 year	Yield Index 2 year	Yield Index 2 year	Yield Index 2 year	Yield Index 3 year	Yield Index 1 year	Yield Index 2 year	Yield Index 2 year	Yield Index 3 year	Yield Index 2 year	Yield Index 3 year		
S18-G4X	120	96	99	—	103	—	99	96	95	—	96	—	85	1.4
Excellence R2X	121	94	91	—	93	—	104	94	94	—	93	—	83	1.4
PS 2020 XRN	122	101	101	—	99	—	93	95	97	—	92	—	86	1.4
P19T39R2	122	103	98	104	94	95	113	110	110	100	110	102	90	1.4
Rx Stacatto	122	89	86	—	90	—	105	102	101	—	103	—	86	1.9
DKB17-34	122	94	91	—	91	—	86	88	87	—	90	—	88	1.7
B215Y1	123	92	93	86	97	95	103	100	98	97	103	101	86	1.4
DKB21-11	123	97	96	—	96	—	102	100	98	—	103	—	91	1.7
PRO 3025R2C	123	114	108	109	104	102	105	106	111	101	99	96	88	1.1
P22T69R	123	111	104	95	100	101	94	96	96	91	95	97	88	1.1
P19A14X	123	105	102	—	100	—	105	97	92	—	104	—	86	1.4
Express R2X	123	106	104	—	101	—	94	98	100	—	96	—	90	1.7
DKB22-31	123	98	99	—	102	—	95	98	101	—	95	—	87	1.7
S20-L8X	124	101	101	—	107	—	101	95	89	—	104	—	85	1.6
B194Y1	124	102	101	103	106	104	101	112	120	105	101	98	92	1.6
PS 2555 XRN	124	107	108	—	104	—	102	101	102	—	99	—	92	1.4
Bragi R2X	125	102	105	—	107	—	87	93	95	—	91	—	87	1.4
DKB20-14	125	101	104	—	101	—	91	97	97	—	97	—	92	1.6
P21A28X	125	110	106	—	99	—	103	100	100	—	100	—	85	1.1
B198T1	125	97	99	—	100	—	97	97	98	—	96	—	84	1.3
PS 2444 XRN	125	99	98	—	88	—	93	91	91	—	92	—	86	1.7
RX2436	125	103	102	—	100	—	98	100	99	—	101	—	95	1.6
Rx Velocity	126	98	97	—	95	—	94	94	92	—	97	—	87	1.4
S22-J4X	126	101	100	—	102	—	99	96	91	—	104	—	82	1.3
S25-B6X	126	94	101	—	105	—	99	102	97	—	110	—	89	1.4
P24A80X	126	109	108	—	109	—	102	108	113	—	100	—	91	1.0
Vali R2X	126	67	77	—	88	—	93	101	99	—	104	—	93	1.6
Rx Optimum	127	106	107	—	105	—	96	101	100	—	103	—	94	1.9
CF3207Xt	127	108	107	—	106	—	100	103	105	—	100	—	90	1.6
CF3176Xt	127	113	109	—	105	—	86	93	92	—	96	—	96	2.0
PRO 22X76N	127	101	102	—	100	—	105	112	112	—	113	—	99	1.7
Equinox R2	127	104	103	105	101	102	106	106	107	106	106	106	96	1.6
Executive R2X	127	108	108	—	111	—	107	108	100	—	119	—	84	1.6
B244N1	128	94	98	92	102	102	96	105	109	105	100	98	87	1.4
DKB24-97	128	102	100	—	98	—	105	104	102	—	106	—	87	1.3
DKB26-61	128	75	82	—	87	—	92	99	102	—	94	—	96	1.7
P25A65R	129	92	96	—	106	—	95	96	101	—	90	—	89	1.4
B270Y1	129	97	98	105	96	98	100	100	101	94	99	101	94	1.6
PS 2666 XRN	129	108	104	—	100	—	96	101	101	—	101	—	88	1.6
DKB28-81	130	100	102	—	102	—	102	104	106	—	100	—	92	1.6
DTM (1yr)														
RX Columbia	120	99	—	—	—	—	97	—	—	—	—	—	—	—
PRO 16X346N	121	100	—	—	—	—	99	—	—	—	—	—	—	—
CF3008Xt	121	98	—	—	—	—	106	—	—	—	—	—	—	—
S18-H3X	121	99	—	—	—	—	94	—	—	—	—	—	—	—
CF19X9	122	107	—	—	—	—	104	—	—	—	—	—	—	—
Extra R2X	124	75	—	—	—	—	98	—	—	—	—	—	—	—
Exact R2X	125	101	—	—	—	—	103	—	—	—	—	—	—	—
P23A32X	126	112	—	—	—	—	111	—	—	—	—	—	—	—
P27A17X	129	110	—	—	—	—	104	—	—	—	—	—	—	—
P23A15X	130	98	—	—	—	—	114	—	—	—	—	—	—	—
P25A54X	130	111	—	—	—	—	118	—	—	—	—	—	—	—
RX Ballistic	130	98	—	—	—	—	102	—	—	—	—	—	—	—
CF3256Xt	131	95	—	—	—	—	106	—	—	—	—	—	—	—
LSD (0.10)		12	10	15	10	8	12	8	8	6	15	10		
Average yield (T/ha)		5.14	4.65	4.48	4.39	4.33	4.76	4.36	5.08	5.54	3.65	4.19		
(bu/ac)		76.3	69.0	66.4	65.1	64.3	70.6	64.7	75.3	82.1	54.1	62.2		

Testing Locations: Table 5.1

Inwood	2016	—	2018
Palmyra	2016	2017	2018
Ridgetown	2016	2017	2018
Talbotville	2016	2017	2018

TABLE 5.2 — EARLY MATURITY GROUP 2 (2900-3300 HU) AREAS, CONVENTIONAL TEST

Variety	Days to Mature	CLAY AVG Yield Index		INWOOD Yield Index		PALMYRA Yield Index		LOAM AVG Yield Index		RIDGETOWN Yield Index		TALBOTVILLE Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	2 year	3 year	2 year	3 year	1 year	2 year	2 year	3 year	2 year	3 year		
HDC Goshen	119	95	89	88	87	89	93	97	97	96	99	97	92	91	1.9
OAC Prosper	120	105	102	93	87	110	107	98	99	101	101	97	99	84	2.1
HDC 1600T	121	93	84	79	88	88	92	102	97	98	100	95	98	78	1.3
P21A20	122	91	94	95	—	93	—	110	110	113	—	105	—	84	1.3
HDC Blake	122	108	114	121	115	107	103	106	105	100	101	113	107	91	1.4
OAC Bruton	122	108	107	110	105	105	105	104	101	99	98	104	101	88	1.6
OAC Kent	123	102	97	95	97	100	98	103	102	101	103	102	104	88	1.8
OAC Marvel	123	96	100	103	101	99	99	107	107	106	103	108	105	97	1.9
B213C0	124	100	100	99	105	100	101	94	95	99	103	91	98	83	1.5
Candor	124	96	100	100	103	100	98	104	100	102	100	97	98	82	1.8
OAC Ramsay	124	97	100	92	93	107	105	104	98	103	102	91	98	94	1.4
NA 2300	124	94	101	101	101	101	101	89	97	98	98	96	96	102	1.8
X790P	125	87	88	90	93	87	86	70	79	75	78	85	82	90	2.1
SG 2311	125	108	105	105	106	105	103	96	98	91	94	106	105	90	1.5
OAC Brooke	125	110	108	110	109	107	108	107	109	111	109	107	107	84	1.7
OAC Thamesville	126	97	103	101	102	105	100	108	109	104	104	118	114	90	1.6
AAC 26-15	128	100	101	106	99	96	100	91	91	95	96	85	88	93	1.6
DF 155	128	104	105	110	108	101	100	95	106	109	109	102	107	89	1.7
DTM (1yr)															
P21A81L	127	110	—	—	—	—	—	114	—	—	—	—	—	—	—
LSD (0.10)		14	10	16	11	11	8	12	7	10	8	11	8		
Average yield (T/ha)		4.54	3.64	3.41	3.69	3.88	4.33	4.30	4.00	4.75	5.07	3.25	3.58		
(bu/ac)		67.3	54.0	50.5	54.8	57.5	64.2	63.8	59.3	70.4	75.2	48.2	53.1		

Testing Locations: Table 5.2

Inwood	2016	2017	2018
Palmyra	2016	2017	2018
Ridgetown	2016	2017	2018
Talbotville	2016	2017	2018

FIELD NOTES

TABLE 6.1 — LATE MATURITY GROUP 2 (3300-3500 HU) AREAS, RR TEST

Variety	Days to Mature	CLAY AVG Yield Index		MERLIN Yield Index		WOODSLEE Yield Index		LOAM AVG Yield Index		CHATHAM Yield Index		MALDEN Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	2 year	3 year	2 year	3 year	1 year	2 year	2 year	3 year	2 year	3 year		
PS 2555 XRN	117	99	98	98	—	98	—	103	99	100	—	98	—	82	1.2
CF3176Xt	118	96	101	98	—	102	—	96	94	97	—	92	—	80	1.3
CF3207Xt	118	93	93	94	—	93	—	98	100	105	—	94	—	81	1.0
S25-B6X	118	94	93	89	—	96	—	99	102	102	—	103	—	80	1.0
B244N1	119	96	96	98	100	94	96	92	93	89	94	97	94	77	1.0
PS 2666 XRN	121	109	103	104	—	102	—	102	102	104	—	100	—	77	1.2
Executive R2X	121	99	103	94	—	109	—	103	97	94	—	100	—	75	1.1
B270Y1	121	107	105	103	102	106	107	90	95	94	97	95	98	79	1.1
PS 3033 XRN	121	105	107	114	—	102	—	96	99	95	—	104	—	82	1.1
CF3256Xt	121	94	101	97	—	104	—	101	99	103	—	96	—	80	1.1
P28T62R	122	99	100	102	105	97	97	100	102	101	105	103	103	83	1.0
RX Ballistic	122	102	102	99	—	105	—	96	98	99	—	98	—	90	1.3
DKB28-81	123	108	104	109	—	100	—	102	103	104	—	102	—	84	1.0
P28T08R	123	91	95	93	99	96	96	98	100	98	100	102	103	79	1.0
DKB32-21	125	97	99	101	—	98	—	104	100	101	—	99	—	82	1.2
P31A22X	125	104	102	103	—	101	—	106	105	107	—	104	—	78	1.2
DKB33-54	126	109	103	109	—	98	—	110	106	105	—	108	—	80	1.2
P33T72R	126	94	97	96	94	97	104	98	104	103	104	105	101	82	1.0
DTM (1yr)															
RX2436	114	100	—	—	—	—	—	94	—	—	—	—	—	—	—
Extra R2X	115	96	—	—	—	—	—	105	—	—	—	—	—	—	—
Rx Optimum	116	98	—	—	—	—	—	100	—	—	—	—	—	—	—
S27-U2X	117	108	—	—	—	—	—	103	—	—	—	—	—	—	—
S29-R5X	117	101	—	—	—	—	—	96	—	—	—	—	—	—	—
RX Regatta	119	113	—	—	—	—	—	102	—	—	—	—	—	—	—
P28A94X	120	98	—	—	—	—	—	98	—	—	—	—	—	—	—
RX3015	121	99	—	—	—	—	—	104	—	—	—	—	—	—	—
P29A25X	122	96	—	—	—	—	—	102	—	—	—	—	—	—	—
S31-M1X	123	98	—	—	—	—	—	103	—	—	—	—	—	—	—
LSD (0.10)		9	6	12	9	7	7	8	5	8	7	7	7		
Average yield (T/ha)		4.25	4.25	3.61	3.66	4.89	4.78	4.55	4.73	4.75	5.19	4.71	4.44		
(bu/ac)		63.0	63.1	53.6	54.3	72.6	70.9	67.5	70.1	70.4	77.0	69.8	65.8		

TABLE 6.2 — LATE MATURITY GROUP 2 (3300-3500 HU) AREAS, CONVENTIONAL TEST

Variety	Days to Mature	CLAY AVG Yield Index		MERLIN Yield Index		WOODSLEE Yield Index		LOAM AVG Yield Index		CHATHAM Yield Index		MALDEN Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	2 year	3 year	2 year	3 year	1 year	2 year	2 year	3 year	2 year	3 year		
OAC Marvel	113	98	97	97	97	97	94	97	96	98	97	94	93	90	1.1
SG 2311	114	100	100	96	92	102	99	105	100	103	100	97	101	85	1.1
OAC Thamesville	115	102	103	105	106	101	104	97	100	102	102	98	101	85	1.0
AAC 26-15	117	98	96	91	93	99	96	104	103	103	101	102	95	88	1.1
DF 155	118	107	108	115	113	103	106	97	102	100	106	104	106	87	1.2
AAC Malden	119	95	97	97	99	98	102	100	99	95	94	104	104	89	1.3
LSD (0.10)		6	5	8	7	7	8	8	6	10	7	7	10		
Average yield (T/ha)		3.91	3.91	3.24	3.31	4.58	4.52	4.12	4.03	4.12	4.63	3.94	4.19		
(bu/ac)		58.0	58.0	48.1	49.1	68.0	67.1	61.2	59.8	61.1	68.6	58.5	62.1		

Testing Locations: Tables 6.1 & 6.2			
Merlin	2016	2017	2018
Woodslee	2016	2017	2018
Chatham	2016	2017	2018
Malden	2016	2017	2018

TABLE 7 — RESISTANT VARIETY PERFORMANCE IN SCN INFESTED FIELDS**Round-up Ready Varieties***

Variety	Average of 6 Tests (2016-2018)		Average of 4 Tests (2017-2018)		Source of Resistance
	Days to Maturity	Yield Index (%)	Days to Maturity	Yield Index (%)	
B095D1	—	—	109	83	PI 88788
B215Y1	117	127	117	116	PI 88788
B198T1	—	—	118	130	PI 88788
B194Y1	118	133	119	118	PI 88788
B244N1	120	132	120	119	PI 88788
B270Y1	123	126	124	114	PI 88788
DS268V1	124	132	124	122	PI 88788
† Susceptible Yield Index is:	100%		100%		
Susceptible Yield (RR):	3.16 T/ha 46.9 bu/ac		3.47 T/ha 51.5 bu/ac		

Conventional Varieties

Variety	Average of 6 Tests (2016-2018)		Average of 4 Tests (2017-2018)		Source of Resistance
	Days to Maturity	Yield Index (%)	Days to Maturity	Yield Index (%)	
OAC Prosper	114	125	114	135	PI 88788
B213C0	116	120	117	130	PI 88788
OAC Marvel	116	128	117	133	PI 88788
AAC 26-15	121	130	122	131	PI 88788
DKB26-61	—	—	125	144	Peking
† Susceptible Yield Index is:	100%		100%		
Susceptible Yield (Conv):	2.86 T/ha 42.5 bu/ac		2.82 T/ha 41.8 bu/ac		

* Roundup Ready (RR) varieties, tested under a RR management system.

† Susceptible Yield Index is based on three high yielding susceptible varieties.

Test locations had moderate to high SCN infestations of 3,000 to 6,000 eggs/100g soil.

DISTRIBUTOR CONTACTS — Soybeans

DISTRIBUTOR	PHONE NUMBER	DISTRIBUTOR	PHONE NUMBER
AGRIS Co-operative Ltd.....	519-380-2384	Pedigrain.....	450-405-3537
Beechwood Agri Services	1-877-294-0474	Pioneer Hi-Bred.....	1-800-265-9435
Bramhill Seeds	519-343-3630	PRIDE Seeds	1-800-265-5280
BREVANT	1-800-667-3852	Prograin.....	450-469-5744
C&M Seeds	1-888-733-9432	SeCan.....	1-866-797-7874
Country Farm Seeds Ltd.	1-800-449-3990	Sevita International.....	613-989-3000
DEKALB	1-800-667-4944	SG Ceresco Inc.....	450-427-3831
Elite Seeds	519-682-1720	Southwest Seeds Inc.....	519-674-0054
Hensall District Co-op Inc.....	519-262-3002	Syngenta Canada, Inc.....	1-888-366-4211
Huron Commodities Inc.....	519-482-8400	WinField United Canada	306-249-5112
New Age Seeds Inc.....	519-245-9143		

Growers List



SOYBEANS

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25-10RY			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S F R C	
26-10RY			
Guelph; Hannam, Gregory	519-821-1018	R	
Guelph; Hannam, Luke	519-821-1018	R	
Guelph; Slack, Andrew	519-821-1018	R	
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S F R	
26-14RY			
Guelph; Hannam, Peter	519-821-1018	S F	
Tillsonburg; Monsanto Canada Ulc	519-688-9888	R	
27-12RY			
Guelph; Hannam, Gregory	519-821-1018	S F	
Tillsonburg; Monsanto Canada Ulc	519-688-9888	R C	
27-62RY			
Guelph; Hannam, Gregory	519-821-1018	S F R	
Tillsonburg; Monsanto Canada Ulc	519-688-9888	R	
28-15RY			
Guelph; Hannam, Gregory	519-821-1018	R	
Sarnia; Park, Douglas Andrew	519-383-7007	F	
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S R C	
28-60RY			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S F R	
AAC 26-15			
Clinton; Huron Commodities Inc.	519-482-8400	F R	
Jarvis; Montague, Thomas	905-870-4002	S	
AAC HENSATTO			
Hensall; Hensall District Co-Operative Inc.	519-262-3002	S	
AAC MALDEN			
Wheatley; Recker, Virgil H.	519-825-4025	F C	
AAC SHINJU			
Clinton; Huron Commodities Inc.	519-482-8400	R	
Clinton; Vanderloo, Martin	519-482-8400	F	
St. Thomas; Summit Genetics Inc.	519-631-6241	S F R	
AAC STERN			
Dresden; Jackson Seed Service Ltd.	519-683-4413	S C	
ABSOLUTE RR			
Lindsay; Bonis & Company Ltd.	705-324-0544	F	
Lindsay; Hickson, Joseph	705-878-8200	R C	
Lucknow; Snobelen, Mike	519-528-2092	C	
Ripley; Courtney Grain And Seed (2015) Ltd.	519-395-2972	C	
AC X790P			
Hensall; Hensall District Co-Operative Inc.	519-262-3002	S F R	
ACORA			
St-Cesaire; Semences Prograin Inc	450-469-5744	S C	
ALTITUDE R2			
Almonte; Cochran, Donald E. & Catherine & Adam	613-256-1029	C	
Belgrave; Bieman, Blair & Shannon	519-357-2647	F	
Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	R	
Branchton; Szentimrey, Peter	519-620-1100	S F R	
Brantford; Hilgendag, Willi	519-759-7075	S F	
Carp; Munro, Matt	613-839-1596	R	
Casselman; Lemoine, Marc	613-764-5599	R	
Cobden; Stone, Reuben & Keanan	613-646-9737	R	

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Courtland; Van Laecke, Rick	519-842-5538	F	
Cumberland; Williams, Andrew	613-833-9035	C	
Dublin; Bolton, Carl W.	519-525-6430	R	
Kanata; Secan Association	613-592-8600	R	
Lindsay; Bonis & Company Ltd.	705-324-0544	S F R	
Lucknow; Snobelen, Mike	519-528-2092	R C	
Metcalf; Patterson, Dean	613-821-5141	R	
Palmerston; Bramhill Seeds Ltd.	519-343-3630	R C	
Palmerston; Connell, Dale A.	519-343-2626	C	
Ripley; Courtney Grain And Seed (2015) Ltd.	519-395-2972	R C	
St. Isidore; Bercier, Marc & Guillaume	613-524-2981	R C	
Staffa; Fell, Roger	519-345-2697	R	
Thornton; Alliance Agri-Turf	705-424-1410	R C	
ANGELICA			
Palmerston; C & M Seeds	519-343-2126	S F R	
ASTOR			
Woodstock; Sevita International	519-537-5157	S F R	
AZALEA			
Woodstock; Sevita International	519-537-5157	S F R	
B0099B1			
Chatham; Pioneer Hi-Bred Production Company	800-265-0554	S F R	
B031M1			
Chatham; Pioneer Hi-Bred Production Company	800-265-0554	S F R	
B032R1			
Chatham; Pioneer Hi-Bred Production Company	800-265-0554	S F R C	
B039Y1			
Chatham; Pioneer Hi-Bred Production Company	800-265-0554	S F R C	
B088Y1			
Chatham; Pioneer Hi-Bred Production Company	800-265-0554	S F R C	
B095D1			
Chatham; Pioneer Hi-Bred Production Company	800-265-0554	S F C	
B101C0			
Chatham; Pioneer Hi-Bred Production Company	800-265-0554	S F R	
B138C0			
Blenheim; Thompsons Limited	519-676-5411	C	
Chatham; Pioneer Hi-Bred Production Company	800-265-0554	S F R	
B150Y1			
Chatham; Pioneer Hi-Bred Production Company	800-265-0554	S F R C	
B194Y1			
Chatham; Pioneer Hi-Bred Production Company	800-265-0554	S F R C	
B198T1			
Chatham; Pioneer Hi-Bred Production Company	800-265-0554	F R	
B213C0			
Chatham; Pioneer Hi-Bred Production Company	800-265-0554	F R	
B215Y1			
Chatham; Pioneer Hi-Bred Production Company	800-265-0554	F C	
B244N1			
Chatham; Pioneer Hi-Bred Production Company	800-265-0554	S R	
B270Y1			
Chatham; Pioneer Hi-Bred Production Company	800-265-0554	C	

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BAKARA			
St-Cesaire; Semences Prograin Inc	450-469-5744	R	
BLACK PEARL			
Staffa; Fell, Roger.....	519-345-2697	S	C
BOURKE R2X			
Cobden; Stone, Reuben & Keanan	613-646-9737	S	F
BRAGI R2X			
Alvinston; Mac Kellar, David, Adam & Jacob	519-318-4463	S	F
CANDOR			
Woodstock; Sevita International	519-537-5157	S	F R
CELEBRITY			
Hensall; Hensall District Co-Operative Inc.	519-262-3002	S	F R
Woodstock; Sevita International	519-537-5157	S	
CF01GR			
Lindsay; Hickson, Joseph.....	705-878-8200		C
CF07X9			
Blenheim; Country Farm Seeds Ltd.....	519-676-8671	S	
Lindsay; Hickson, Joseph.....	705-878-8200		F
CF09X9			
Blenheim; Country Farm Seeds Ltd.....	519-676-8671	S	
Lindsay; Hickson, Joseph.....	705-878-8200		F
CF13X9			
Blenheim; Country Farm Seeds Ltd.....	519-676-8671	S	F
CF19X9			
Blenheim; Country Farm Seeds Ltd.....	519-676-8671	S	F
CF2608XT			
Blenheim; Country Farm Seeds Ltd.....	519-676-8671	S	F
CF2858XT			
Blenheim; Country Farm Seeds Ltd.....	519-676-8671	S	F
Lindsay; Hickson, Joseph.....	705-878-8200		F
CF3008XT			
Blenheim; Country Farm Seeds Ltd.....	519-676-8671	S	F R
CF3176XT			
Blenheim; Country Farm Seeds Ltd.....	519-676-8671	S	F C
Lindsay; Hickson, Joseph.....	705-878-8200		C
CF31GR			
Blenheim; Country Farm Seeds Ltd.....	519-676-8671		C
CF3256XT			
Blenheim; Country Farm Seeds Ltd.....	519-676-8671	S	F
CHIKALA			
Clinton; Huron Commodities Inc.....	519-482-8400		R
St. Thomas; Curtis, Robert S. & Daniel F.	519-631-6241	S	
St. Thomas; Summit Genetics Inc.	519-631-6241		F
COLBY			
Blenheim; Thompsons Limited	519-676-5411		C
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554		C
CYPRESS			
Woodstock; Sevita International	519-537-5157	S	F
DH401			
Woodstock; Sevita International	519-537-5157	S	F C

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DH4173			
Finch; Winters, Jim	613-984-2065		R
Woodstock; Sevita International	519-537-5157		F
DH4202			
Woodstock; Sevita International	519-537-5157		R
DH530			
Woodstock; Sevita International	519-537-5157	S	F R C
DH618			
Woodstock; Sevita International	519-537-5157		F
DH863			
Woodstock; Sevita International	519-537-5157	S	R
DKB005-52			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S	R C
DKB008-81			
Guelph; Hannam, Gregory	519-821-1018	S	F
Tillsonburg; Monsanto Canada Ulc	519-688-9888		R
DKB01-11			
Guelph; Hannam, Gregory	519-821-1018	S	F R
Tillsonburg; Monsanto Canada Ulc	519-688-9888		R
DKB02-04			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S	F
DKB04-41			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S	F R C
DKB06-28			
Guelph; Hannam, Gregory	519-821-1018	S	F R C
Tillsonburg; Monsanto Canada Ulc	519-688-9888		R
DKB06-43			
Guelph; Hannam, Gregory	519-821-1018		C
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S	F R
DKB09-91			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S	F R
DKB10-20			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S	F R
DKB12-16			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S	F R
DKB12-57			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S	F R
DKB14-41			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S	F R C
DKB15-54			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S	F R
DKB17-34			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S	F R
DKB20-14			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S	F R
DKB21-11			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S	F R C
DKB22-21			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S	F R

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DKB22-31			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S F R	
DKB24-97			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S F R	
DKB26-61			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S F R	
Wallaceburg; Rose, Carman.....	519-627-5374	R	
DKB28-81			
Chatham; Campbell, Scott.....	519-354-5607	R	
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S F R	
DKB29-42			
Dover Centre; Devolder, Robert G. & Lisa	519-352-8799	S	
Tillsonburg; Monsanto Canada Ulc	519-688-9888	F R	
DKB32-21			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S F R	
DKB33-54			
Tillsonburg; Monsanto Canada Ulc	519-688-9888	S F R	
DOFINO R2X			
St-Cesaire; Semences Prograin Inc	450-469-5744	S R	
DS045C0			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	S F R	
EDGE R2X			
Alvinston; Mc Rae, Jonathan & Matthew.....	519-844-2884	R	
Branchton; Szentimrey, Peter	519-620-1100	S F R	
Brantford; Hilgendag, Willi	519-759-7075	S F R	
Drumbo; Rodger, William J.....	519-632-7500	R	
Parkhill; Willemse, Rick.....	519-294-6684	R	
St. Thomas; Curtis, Robert S. & Daniel F.....	519-631-6241	C	
ELECTRA R2X			
Cobden; Stone, Reuben & Keanan	613-646-9737	R	
EMPEROR			
Woodstock; Sevita International	519-537-5157	S F R C	
EQUINOX R2			
Canfield; Hedley Seeds Ltd.....	905-774-7855	F C	
Canfield; Hedley, Allan Ward	905-774-8210	S	
Courtland; Van Laecke, Rick	519-842-5538	C	
EXACT R2X			
Alvinston; Mac Kellar, David, Adam & Jacob	519-318-4463	S F	
Canfield; Hedley, Neil Richard.....	905-774-3976	R	
EXCELLENCE R2X			
Denfield; Kuebler, Ralph.....	226-268-6934	C	
EXCURSION R2X			
Cobden; Stone, Reuben & Keanan	613-646-9737	C	
Lindsay; Bonis & Company Ltd.....	705-324-0544	S F	
Lucknow; Snobelen, Mike.....	519-528-2092	R	
Palmerston; Bramhill Seeds Ltd.....	519-343-3630	R	
EXECUTIVE R2X			
Alvinston; Mac Kellar, David, Adam & Jacob	519-318-4463	S F	
Harrow; Salter, George.....	519-738-3234	C	
EXPAND R2X			
Kanata; Secan Association.....	613-592-8600	S	
EXPERT R2X			
Branchton; Szentimrey, Peter	519-620-1100	S F	

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EXPLORER R2X			
Canfield; Hedley Seeds Ltd.....	905-774-7855	C	
Courtland; Van Laecke, Rick	519-842-5538	C	
EXPO R2X			
Branchton; Szentimrey, Peter	519-620-1100	F	
Thornton; Alliance Agri-Turf.....	705-424-1410	R C	
EXPRESS R2X			
Alvinston; Mac Kellar, David, Adam & Jacob	519-318-4463	S R C	
Alvinston; Mc Rae, Jonathan & Matthew.....	519-844-2884	F C	
Branchton; Szentimrey, Peter	519-620-1100	S	
Brantford; Hilgendag, Lukas	519-759-7075	F	
Brantford; Hilgendag, Willi	519-759-7075	S	
Denfield; Kuebler, Ralph	226-268-6934	C	
Drumbo; Rodger, William J.....	519-632-7500	C	
EXTENT R2X			
Branchton; Szentimrey, Peter	519-620-1100	R	
Lindsay; Bonis & Company Ltd.....	705-324-0544	S F	
Palmerston; Bramhill Seeds Ltd.....	519-343-3630	S R	
Ripley; Courtney Grain And Seed (2015) Ltd.....	519-395-2972	S	
Thornton; Alliance Agri-Turf.....	705-424-1410	S F	
EXTRA R2X			
Canfield; Hedley, Allan Ward	905-774-8210	F	
FOOTE R2			
New Liskeard; Runnalls, Kevin	705-622-1870	C	
GENESIS			
Woodstock; Sevita International	519-537-5157	S F R C	
GLADIATOR			
Woodstock; Sevita International	519-537-5157	R	
HAKATA			
St-Cesaire; Semences Prograin Inc	450-469-5744	S R	
HDC 1600T			
Hensall; Hensall District Co-Operative Inc.....	519-262-3002	S F C	
HDC BLAKE			
Hensall; Hensall District Co-Operative Inc.....	519-262-3002	S F R C	
HDC GOSHEN			
Hensall; Hensall District Co-Operative Inc.....	519-262-3002	S F R	
HL35			
Blenheim; Thompsons Limited	519-676-5411	S F	
HL99			
Blenheim; Thompsons Limited	519-676-5411	S F R	
HYDRA R2☉			
Lindsay; Bonis & Company Ltd.....	705-324-0544	S F	
LAURENTIA			
Woodstock; Sevita International	519-537-5157	S R	
LC1070			
Thornton; Alliance Agri-Turf.....	705-424-1410	C	
LS008R21			
Woodstock; Sevita International	519-537-5157	F C	
MAHONY R2			
Cobden; Stone, Reuben & Keanan.....	613-646-9737	C	
MARULA			
St-Cesaire; Semences Prograin Inc	450-469-5744	S R C	

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MAXO R2			
St-Cesaire; Semences Prograin Inc	450-469-5744	S R	
MERSEA			
Wheatley; Recker, Virgil H.	519-825-4025	S R	
METEOR			
Woodstock; Sevita International	519-537-5157	S F C	
MIKO R2			
St-Cesaire; Semences Prograin Inc	450-469-5744	S F R C	
NA 2300			
Dresden; Jackson Seed Service Ltd.	519-683-4413	S F	
NEPTUNE			
Winchester; Moher, Tim.....	613-774-5620		C
Woodstock; Sevita International	519-537-5157	S F R C	
NIAGARA			
Woodstock; Sevita International	519-537-5157	S F	
NSC MOLLARD LL			
New Liskeard; Runnalls, Kevin	705-622-1870	F	
NSC SPERLING RR2Y			
New Liskeard; Runnalls, Kevin	705-622-1870	F	

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NSC STARBUCK RRX2			
Emo; Lamb, Larry W.	807-482-2420		C
OAC ADARE			
Hensall; Hensall District Co-Operative Inc.	519-262-3002	S F R	
OAC AVATAR			
Brantford; Hilgendag, Willi	519-759-7075	S F R	
OAC BROOKE			
Jarvis; Montague, Thomas	905-870-4002	S F	C
St. Thomas; Curtis, Robert S. & Daniel F.	519-631-6241	S F	
OAC BRUTON			
Alvinston; Mac Kellar, David, Adam & Jacob	519-318-4463	S F R	
Jarvis; Montague, Thomas	905-870-4002	S F R	
Lucknow; Snobelen, Mike	519-528-2092		R
Morpeth; Stirling, Bryan Thomas	519-674-0402	S F	
St. Thomas; Curtis, Robert S. & Daniel F.	519-631-6241	S F	
Wheatley; Recker, Virgil H.	519-825-4025	S R	
OAC CALYPSO			
Woodstock; Sevita International	519-537-5157	S F R	
OAC CARMAN			
St. Thomas; Curtis, Robert S. & Daniel F.	519-631-6241	S	

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OAC CHALLENGER R2

Branchton; Szentimrey, Peter	519-620-1100	S F
Cobden; Stone, Reuben & Keanan	613-646-9737	C
Lindsay; Bonis & Company Ltd.....	705-324-0544	S F R
Lindsay; Hickson, Joseph	705-878-8200	R
Thornton; Alliance Agri-Turf.....	705-424-1410	R

OAC CHAMPION☼

Woodstock; Sevita International	519-537-5157	S F R
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OAC DRAYTON

Lindsay; Hickson, Joseph.....	705-878-8200	F
Palmerston; Bramhill Seeds Ltd.	519-343-3630	C

OAC DURHAM

Bowmanville; Rickard, Donald Hendry	905-623-7233	C
Lindsay; Hickson, Joseph.....	705-878-8200	R C

OAC KENT

Alvinston; Mac Kellar, David, Adam & Jacob	519-318-4463	S F R C
Branchton; Szentimrey, Peter	519-620-1100	S F R
Brantford; Hilgendag, Willi	519-759-7075	S F R
Jarvis; Montague, Thomas	905-870-4002	S F R C

OAC LAKEVIEW

Kanata; Secan Association.....	613-592-8600	S
Lucknow; Snobelen, Mike.....	519-528-2092	S F

OAC MADOC

Ripley; Courtney Grain And Seed (2015) Ltd.....	519-395-2972	S F
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OAC MARVEL

St. Thomas; Summit Genetics Inc.	519-631-6241	R
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OAC MORDEN☽

Lindsay; Hickson, Joseph.....	705-878-8200	R
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OAC NATION

Cumberland; Williams, David.....	613-987-5494	C
St. Albert; Legault, Raymond & Diane.....	613-987-5494	C

OAC PRESCOTT

Lucknow; Snobelen, Mike.....	519-528-2092	C
St. Isidore; Bercier, Marc & Guillaume	613-524-2981	C
Westmeath; Reaburn, Larry J.....	613-582-3550	C

OAC PROSPER

St. Thomas; Curtis, Robert S. & Daniel F.	519-631-6241	S F
St. Thomas; Summit Genetics Inc.	519-631-6241	R

OAC RAMSAY

Alvinston; Mac Kellar, David, Adam & Jacob	519-318-4463	S F R
Ridgetown; Von Martels, Reinout Alfred.....	519-674-0054	S F
St. Thomas; Curtis, Robert S. & Daniel F.	519-631-6241	F R

OAC STRIVE☽

Bloomfield; Beatty, Timothy	613-393-2333	C
Chepstow; Lang, Tony	519-881-1114	R C
Chesley; McDonald, Jamie	519-377-0548	R C
Clinton; Huron Commodities Inc.....	519-482-8400	C
Dublin; Bolton, Carl W.....	519-525-6430	S F R
Lucknow; Snobelen, Mike.....	519-528-2092	S F R
Palmerston; Bramhill Seeds Ltd.	519-343-3630	C
Palmerston; Connell, Dustin	519-343-5073	R
Ripley; Courtney Grain And Seed (2015) Ltd.....	519-395-2972	S F
St. Isidore; Bercier, Marc & Guillaume	613-524-2981	R
St. Thomas; Curtis, Robert S. & Daniel F.	519-631-6241	S F
St. Thomas; Summit Genetics Inc.	519-631-6241	R
Thornton; Alliance Agri-Turf.....	705-424-1410	C

OAC THAMESVILLE

Ridgetown; Von Martels, Reinout Alfred.....	519-674-0054	S F R
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OAC WALLACE

Bath; Mac Kinnon, Michael & Ivan	613-483-9423	S F R
Belgrave; Walker, Douglas G.....	519-357-3555	C
Branchton; Szentimrey, Peter	519-620-1100	S F
Lucknow; Snobelen, Mike.....	519-528-2092	S F R
Palmerston; Bramhill Seeds Ltd.	519-343-3630	R
Ripley; Courtney Grain And Seed (2015) Ltd.....	519-395-2972	C

P01A84X

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	R
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P04A60R☽

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R C
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P06A13R☽

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R C
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P06A51X

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	R
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P08T96R☽

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R C
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P09A53X

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F C
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P09A62X

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R
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P09T74R2☽

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R
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P10T48R☽

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R
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P15A63X

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F C
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P15T46R2☽

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	C
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P16A13X

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R
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P18A98X

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	R
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P19A14X

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R C
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P19T01R☽

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R
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P19T39R2

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R
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P21A20

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R C
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P21A28X

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R
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P21A81L

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	R
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P23A15X

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	R
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P23A32X

Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	R
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SOYBEANS

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P24A80X			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F C	
P25A54X			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	R	
P25A65R☽			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R C	
P25A82L			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	R	
P27A17X			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R	
P28A94X			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R	
P28T08R☽			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R	
P28T62R☽			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	R	
P29A25X			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R	

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P29A85L			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	R	
P31A22X			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F C	
P33T72R☽			
Chatham; Pioneer Hi-Bred Production Company.....	800-265-0554	F R	
PANORAMA			
Finch; Winters, Jim	613-984-2065	F R	
Woodstock; Sevita International	519-537-5157	S R	
PRINCE R2X			
Cobden; Stone, Reuben & Keanan	613-646-9737	S	
PRO 03X74			
Woodstock; Sevita International	519-537-5157	S F C	
PRO 07X76N			
Woodstock; Sevita International	519-537-5157	S R C	
PRO 08X36N			
Woodstock; Sevita International	519-537-5157	R	
PRO 09X236N			
Woodstock; Sevita International	519-537-5157	F	

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IMPORTANT NOTICE



Canadian Grain Commission
Commission canadienne des grains



Grain producers: Important changes to wheat classes and variety designations

The Canadian Grain Commission is updating its Eastern wheat class structure to meet the evolving needs of the Canadian grain industry.

Effective July 1, 2019, the Canada Eastern Other Wheat (CEOW) class will be created to provide a class for varieties with unique characteristics.

At the same time, the following wheat classes will be removed:

- Canada Eastern Red (CER)
- Canada Eastern Hard White Winter (CEHWW)
- Canada Eastern Soft White Spring (CESWS)
- Canada Eastern Hard White Spring (CEHWS)

Producers will still be able to grow the varieties assigned to these classes and deliver them under contract to the Canada Eastern Other Wheat (CEOW) class.

For more information:
1-800-853-6705 or
204-984-0506
TTY: 1-866-317-4289
www.grainscanada.gc.ca



Canada

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PRO 10X06N			
Woodstock; Sevita International	519-537-5157	F	
PRO 12X236N			
Woodstock; Sevita International	519-537-5157	F	
PRO 16X346N			
Woodstock; Sevita International	519-537-5157	R	
PRO 22X76N			
Woodstock; Sevita International	519-537-5157	R	
PRO 2735R2C			
Woodstock; Sevita International	519-537-5157	S F C	
PRO2525R2			
Woodstock; Sevita International	519-537-5157	F C	
PRO2535R2			
Woodstock; Sevita International	519-537-5157	F R	
PRO2625R2			
Woodstock; Sevita International	519-537-5157	F R C	
PRO3025R2C			
Woodstock; Sevita International	519-537-5157	F R C	
PS 0074 R2			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	S F R	
PS 0333 XRN			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	S R	
PS 0555 XRN			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	F R C	
PS 0610 NLL			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	S F	
PS 0777 XRN			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	F R	
PS 1210 NLL			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	S C	
PS 1222 XRN			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	S F R	
PS 1338 XRN			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	C	
PS 1888 XRN			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	S F R C	
PS 2020 XRN			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	S F R	
PS 2410 NLL			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	F R	
PS 2444 XRN			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	F R	
PS 2555 XRN			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	F R	
PS 2666 XRN			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	C	
PS 3033 XRN			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	F	

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PS0340R2			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	R	
Lindsay; Bonis & Company Ltd.	705-324-0544	F	
PS0416R2			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	R C	
Lindsay; Bonis & Company Ltd.	705-324-0544	S F	
PS1162R2			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	S F R	
PS2834NLL			
Chatham; Pride Seeds (Agreliant Genetics Inc.)	519-354-3210	R	
R2C0724			
Thornton; Alliance Agri-Turf	705-424-1410	C	
RD714			
St. Albert; Legault, Raymond & Diane	613-987-5494	S F R	
RR2 ATLAS			
Lindsay; Bonis & Company Ltd.	705-324-0544	R	
Tilbury; Maizex Seeds Inc.	519-682-1720	R	
RR2 TITANIUM			
Lindsay; Bonis & Company Ltd.	705-324-0544	R	
RX ACRON			
Tilbury; Maizex Seeds Inc.	519-682-1720	S F R	
RX BALLISTIC			
Tilbury; Maizex Seeds Inc.	519-682-1720	F R	
RX CEDO			
Tilbury; Maizex Seeds Inc.	519-682-1720	S F	
RX COLUMBIA			
Tilbury; Maizex Seeds Inc.	519-682-1720	F R C	
RX DEFENDER			
Lindsay; Bonis & Company Ltd.	705-324-0544	S F	
Tilbury; Maizex Seeds Inc.	519-682-1720	R	
RX IGNITE			
Lindsay; Bonis & Company Ltd.	705-324-0544	F	
Tilbury; Maizex Seeds Inc.	519-682-1720	R	
RX KODIAK			
Lindsay; Bonis & Company Ltd.	705-324-0544	R	
RX LASER			
Lindsay; Bonis & Company Ltd.	705-324-0544	F	
RX MIRUS			
Tilbury; Maizex Seeds Inc.	519-682-1720	F	
RX OPTIMUM			
Tilbury; Maizex Seeds Inc.	519-682-1720	F R	
RX REGATTA			
Tilbury; Maizex Seeds Inc.	519-682-1720	F R	
RX RESPONSE			
Lindsay; Bonis & Company Ltd.	705-324-0544	F R	
RX SPIRO			
Tilbury; Maizex Seeds Inc.	519-682-1720	F	
RX STACATTO			
Tilbury; Maizex Seeds Inc.	519-682-1720	F	

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RX TITUS			
Lindsay; Bonis & Company Ltd.....	705-324-0544	F	
Tilbury; Maizex Seeds Inc.....	519-682-1720	F R	
RX TORQUE			
Tilbury; Maizex Seeds Inc.....	519-682-1720	F	
RX ULTRA			
Tilbury; Maizex Seeds Inc.....	519-682-1720	S F	
RX VELOCITY			
Tilbury; Maizex Seeds Inc.....	519-682-1720	F R C	
RX00797			
Thornton; Alliance Agri-Turf.....	705-424-1410	R	
RX0247			
Lindsay; Hickson, Joseph.....	705-878-8200	R	
Thornton; Alliance Agri-Turf.....	705-424-1410	S F	
RX0636			
Thornton; Alliance Agri-Turf.....	705-424-1410	R	
RX1518			
Thornton; Alliance Agri-Turf.....	705-424-1410	F	
RX1818			
Thornton; Alliance Agri-Turf.....	705-424-1410	S F	

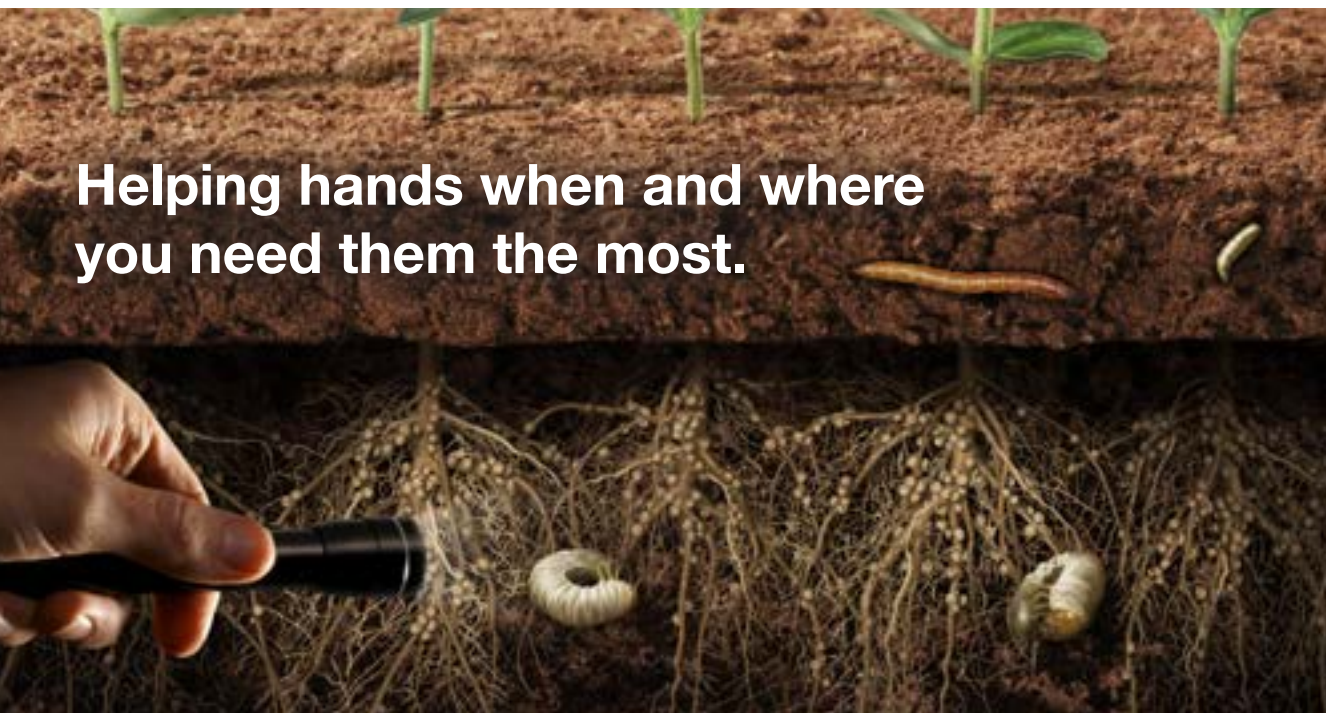
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RX2436			
Thornton; Alliance Agri-Turf.....	705-424-1410	C	
RX3015			
Thornton; Alliance Agri-Turf.....	705-424-1410	C	
RXPINNACLE			
Tilbury; Maizex Seeds Inc.....	519-682-1720	F R	
S007-Y4			
Clinton; Veenstra, Jason.....	226-972-8169	S	
S01-C4X			
Dresden; Jackson Seed Service Ltd.....	519-683-4413	C	
Guelph; Syngenta Canada, Inc.....	519-461-0072	R	
S03-W4☼			
Dresden; Jackson Seed Service Ltd.....	519-683-4413	R C	
Guelph; Syngenta Canada, Inc.....	519-461-0072	F R C	
Hensall; Hensall District Co-Operative Inc.....	519-262-3002	R C	
S04-D3			
Dresden; Jackson Seed Service Ltd.....	519-683-4413	R	
Guelph; Syngenta Canada, Inc.....	519-461-0072	F R	
S05-F9			
Guelph; Syngenta Canada, Inc.....	519-461-0072	C	

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S07-D2 ☼			
Guelph; Syngenta Canada, Inc.	519-461-0072	F R	
Hensall; Hensall District Co-Operative Inc.	519-262-3002	R	
S07-K5X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	R C	
S07-M8 ☉			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F R C	
Hensall; Hensall District Co-Operative Inc.	519-262-3002	R	
S09-C3X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	R	
S09-R8X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S10-R2 ☉			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F R	
Hensall; Hensall District Co-Operative Inc.	519-262-3002	R	
S10-S1			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
Paris; Cordon, Dave	519-442-1353	R	
S12-H2			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S12-P3X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F R	
S14-A6			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	R	
S14-B2X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F R	
S14-H3			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S14-T7X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S16-F5 ☉			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
Hensall; Hensall District Co-Operative Inc.	519-262-3002	R	
S18-G4X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F C	
S18-H3X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S18-R6 ☼			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S19-T5X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	

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S20-G7 ☼			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S20-L8X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R C	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S21-C3			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S22-J4X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S23-T5			
Dresden; Jackson Seed Service Ltd.	519-683-4413	C	
S25-B6X			
Blenheim; Thompsons Limited	519-676-5411	F	
Dresden; Dunlop, Gary G. & Lloyd	519-683-2858	F	
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
S27-C9X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S27-M8X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S27-U2X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	C	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S29-K3X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S29-R5X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	C	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S31-M1X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
S31-Y2X			
Dresden; Jackson Seed Service Ltd.	519-683-4413	R C	
Guelph; Syngenta Canada, Inc.	519-461-0072	F	
SG2311			
Clinton; Huron Commodities Inc.	519-482-8400	R C	
Jarvis; Montague, Thomas	905-870-4002	S C	
SKYLINE			
Woodstock; Sevita International	519-537-5157	S R C	
STARGAZER			
Woodstock; Sevita International	519-537-5157	S R	
TALA			
Woodstock; Sevita International	519-537-5157	S F	
TAURUS			
St-Cesaire; Semences Prograin Inc	450-469-5744	R	
VALI R2X			
Alvinston; Mac Kellar, David, Adam & Jacob	519-318-4463	S C	
WODEN R2X			
Lindsay; Bonis & Company Ltd.	705-324-0544	F	

Pulses & Special Crops

Ontario Soybean and Canola Committee (OSACC) ceased running public performance and registration trials for canola in 2016. For more information go to the GoSoy.ca website under "Canola".

The Ontario Pulse Crop Committee (OPCC) is the recommending committee for dry edible beans in Ontario.

Updated data should be available at www.GoBeans.ca at a later date. Complete data for all performance trials should be available in future editions of Seed Ontario.

Resistance Level Disease ratings:
R = Resistant; MR = Moderately Resistant;
I = Intermediate; MS = Moderately Susceptible;
S = Susceptible; - = not available

PHOTO: VICTORY/ISTOCK/GETTY IMAGES

Ontario Performance Trial Data

DRY EDIBLE BEANS — WHITE

NOTE: This is partial data from the 2015-2017 season. Updated data should be available at www.GoBeans.ca at a later date. Complete data for all performance trials should be available in future editions of Seed Ontario.

2015-2017 Varietal Characteristics

Variety	100 ³ Seed Weight (g)	Disease Reaction ¹					Common Blight	Suitability ⁴ for Direct Harvest	Distributor
		Bean Common Mosaic Virus		Anthracnose ²					
		Race		Race					
		1	15	17	23	73			
Bolt	24.7	R	R	S	S	R	S	1.5	Hensall DC
AAC Shock	24.1	R	R	S	S	S	R	2.7	Hensall DC
OAC Thunder	23.0	R	R	S	S	S	S	2.0	SeCan
Lightning	22.0	R	R	S	S	S	S	2.0	Hensall DC
Fathom	23.7	R	R	NA	NA	R	R	2.1	Hensall DC
AAC Argosy	24.6	R	R	S	S	S	R	2.2	Hensall DC
T9905	23.5	R	R	R	R	S	S	2.3	Treasure Valley
Lighthouse	23.1	R	R	NA	R	S	R	1.6	R.T. Bolton
Nautica	19.9	R	R	S	S	S	S	1.6	SeCan
Mist	23.4	R	R	S	S	S	R	1.8	Hensall DC
Rexeter	21.3	R	S	S	S	S	R	2.5	Hensall DC
Apex	24.5	R	R	S	R	S	R	1.8	SeCan
DS105W0	23.7	NA	NA	NA	NA	S	S	3.1	Treasure Valley

1 R = Resistant, S = Susceptible, NA = Not Available

2 Anthracnose ratings, the predominant race found now in Ontario is Race 73. Race 17 (binary system) is equivalent to the Alpha race, race 23 (binary system) is equivalent to the Delta race.

3 To convert 100 seed weight (g) to seeds per pound divide 45,400 by seed weight. Example: 45,400 / 63 gm = 720 seeds/lb

4 A variety's suitability of direct harvest is based on a scale of 1-5,

where 1 = upright plant type, standing erect with good bottom pod height and 5 = more prostrate plant type or plants that are not erect, with poor bottom pod height.

* Resistance gene for common bacterial blight (*Xanthomonas campestris* pv. *Phaseoli*). Very little disease will develop on this variety.

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DRY EDIBLE BEANS — COLOURED

2015-2017 Varietal Characteristics

Variety	Class	Days to ² Maturity	Yield ^{1,2} (lbs/ac)	100 ² Seed Weight (g)	Disease Reaction ³					Distributor
					Bean Common Mosaic Virus		Anthracnose ⁴			
					Race		Alpha	Delta Race		
					1	15	17	23	73	
Etna	Cranberry	88	2066	59	R	R	S	S	S	Public
Red Rider	Cranberry	93	2211	59	R	R	R	R	S	SeCan
Red Hawk	Dark Red Kidney	90	1775	53	R	R	R	S	R	Public
Dynasty	Dark Red Kidney	93	2267	62	R	S	R	S	R	Hensall DC
Majesty	Dark Red Kidney	93	2188	67	R	R	R	S	S	Hensall DC
GTS 104	Dark Red Kidney	94	1780	56	NA	NA	NA	NA	NA	Gen-Tec
Pink Panther	Light Red Kidney	87	1929	62	R	R	R	S	R	Public
OAC Inferno	Light Red Kidney	97	2128	64	R	S	R	S	R	Hensall DC
Yeti	White Kidney	95	2029	56	R	R	NA	S	R	Hensall DC

1 To convert lbs/acre to t/ha divide by 893.

2 Yield, Days to Maturity and Seed weight are 3 year averages. Maturity rating is affected by planting date and area where variety is being grown.

Varieties are rated as mature when 95% of the pods are ripe. Normally, 3-10 additional drying days are needed before the crop is dry enough for combining.

3 R = Resistant, S = Susceptible, NA = Not Available

4 Anthracnose ratings- the predominant race in Ontario is Race 73. Race 17 (binary system) is equivalent to the Alpha race, race 23 (binary system) is equivalent to the Delta race.

Coloured Bean Testing Locations			
St. Thomas	2017	2016	2015
Exeter	—	2016	2015
Elora	2017	2016	2015
Woodstock	2017	2016	2015

DRY EDIBLE BEANS — COLOURED MINOR

Variety	Market Class	100 Seed Weight(g) ³	Disease Reaction ¹					Suitability for Direct Harvest ⁴	Distributor
			Bean Common Mosaic Virus		Anthracnose ²				
			Race		Race				
			1	15	17	23	73		
La Paz	Pinto	36.2	NA	NA	NA	NA	S	2.0	ADM Seedwest
Viper	Small Red	30.3	NA	NA	NA	NA	S	2.1	ADM Seedwest
Ruby	Small Red	32.4	NA	NA	NA	NA	S	3.5	ADM Seedwest
OAC Rosito	Small Red	22.7	NA	NA	NA	NA	S	2.0	AAFC/U of G
Zorro	Black	21.8	R	R	R	R	S	1.6	Hensall DC

1 R = Resistant, S = Susceptible, NA = Not Available

2 Anthracnose ratings, the predominant race found now in Ontario is Race 73. Race 17 (binary system) is equivalent to the Alpha race, race 23 (binary system) is equivalent to the Delta race.

3 To convert 100 seed weight (g) to seeds per pound divide 45,400 by seed weight. Example: 45,400 / 63 gm = 720 seeds/lb

4 A variety's suitability of direct harvest is based on a scale of 1-5,

where 1 = upright plant type, standing erect with good bottom pod height and 5 = more prostrate plant type or plants that are not erect, with poor bottom pod height.

DISTRIBUTOR CONTACTS — Dry Edible Beans

ADM Seedwest.....	1-800-637-5843	R.T. Bolton and Sons	1-519-527-0455
Elliott Grain Ltd.....	1-519-461-1545	SeCan Association	1-613-592-8600
Gen-Tec Seeds Ltd.	1-519-975-2557	Thompsons	1-800-265-5225
Hensall District Co-op	1-800-265-5190	Treasure Valley Seed Co.	???????

Growers List



FABA BEANS

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

TABASCO ☼

Cobden; Stone, Reuben & Keanan	613-646-9737	S	C
Palmerston; Bramhill Seeds Ltd.	519-343-3630	S	C

DRY EDIBLE BEANS

AAC ARGOSY

Hensall; Hensall District Co-Operative Inc.	519-262-3002	C
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AAC SHOCK

Hensall; Hensall District Co-Operative Inc.	519-262-3002	R
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APEX

Blenheim; Thompsons Limited	519-676-5411	R
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Acceleron® seed applied solutions for corn (fungicides only) is a combination of three separate individually-registered products, which together contain the active ingredients metalaxyl, prothioconazole and fluoxystrobin. **Acceleron® seed applied solutions for corn (fungicides and insecticide)** is a combination of four separate individually-registered products, which together contain the active ingredients metalaxyl, prothioconazole, fluoxystrobin, and clothianidin. **Acceleron® seed applied solutions for corn plus Poncho®/VOTIVO™ (fungicides, insecticide and nematocide)** is a combination of five separate individually-registered products, which together contain the active ingredients metalaxyl, prothioconazole, fluoxystrobin, clothianidin and *Bacillus firmus* strain I-1582. **Acceleron® Seed Applied Solutions for corn plus DuPont™ Lumivia® Seed Treatment (fungicides plus an insecticide)** is a combination of four separate individually-registered products, which together contain the active ingredients metalaxyl, prothioconazole, fluoxystrobin and chlorantraniliprole. **Acceleron® seed applied solutions for soybeans (fungicides and insecticide)** is a combination of four separate individually registered products, which together contain the active ingredients flupyrroxad, pyraclostrobin, metalaxyl and imidacloprid. **Acceleron® seed applied solutions for soybeans (fungicides only)** is a combination of three separate individually registered products, which together contain the active ingredients flupyrroxad, pyraclostrobin and metalaxyl. Fortenza® contains the active ingredient cyantraniliprole. **Visivio™** contains the active ingredients difenoconazole, metalaxyl (M and S isomers), fludioxonil, thiamethoxam, sedaxane and sulfotiazol. **Acceleron BioAg®, Acceleron BioAg and Design™, Cell-Tech®, DEKALB and Design®, DEKALB®, Genuity®, JumpStart®, Optimize®, QuickRoots®, Real Farm Rewards™, RIB Complete®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup Transorb®, Roundup WeatherMAX®, Roundup Xtend®, Roundup®, SmartStax®, TagTeam®, Transorb®, TruFlex®, VaporGrip®, VT Double PRO®, VT Triple PRO® and XtendiMax®** are trademarks of Monsanto Technology LLC. Used under license. **BlackHawk®, Conquer® and GoldWing®** are registered trademarks of Nufarm Agriculture Inc. **Valtera™** is a trademark of Valent U.S.A. Corporation. **Fortenza®, Helix®, Vibrance® and Visivio™** are trademarks of a Syngenta group company. **DuPont™ and Lumivia®** are trademarks of E.I. du Pont de Nemours and Company. Used under license. **LibertyLink® and the Water Droplet Design** are trademarks of Bayer. Used under license. **Herculex®** is a registered trademark of Dow AgroSciences LLC. Used under license. **Poncho® and VOTIVO™** are trademarks of Bayer. Used under license. All other trademarks are the property of their respective owners.



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BOLT

Hensall; Hensall District Co-Operative Inc.	519-262-3002	C
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DS105W0

Blenheim; Thompsons Limited	519-676-5411	R
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LIGHTHOUSE

Dublin; Bolton, Carl W.....	519-525-6430	F C
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LIGHTNING ☼

Hensall; Hensall District Co-Operative Inc.	519-262-3002	C
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MIST

Hensall; Hensall District Co-Operative Inc.	519-262-3002	C
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NAUTICA

Hensall; Hensall District Co-Operative Inc.	519-262-3002	C
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REXETER

Hensall; Hensall District Co-Operative Inc.	519-262-3002	C
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T9905

Blenheim; Thompsons Limited	519-676-5411	C
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ZORRO

Hensall; Hensall District Co-Operative Inc.	519-262-3002	R
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INDUSTRIAL HEMP

ALTAIR

Cobden; Uni Seeds Inc.....	613-646-9737	F R
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ANKA

Berwick; O'Donohue, Kyle	613-362-6965	C
Cobden; Uni Seeds Inc.....	613-646-9737	R C

MARTHA

Stirling; Baker, John D.	613-395-2690	R
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RIGEL

Cobden; Uni Seeds Inc.....	613-646-9737	R
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VICTORIA

Stirling; Baker, John D.	613-395-2690	R
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TOBACCO

CT157

Otterville; Balcom, Sharon.....	519-879-6432	C
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CTH14

Aylmer; Howe, Ryan	519-808-1171	C
Windham Center; Diniz, David & Decarolis, Larry	519-426-9308	C

CTH144

Otterville; Balcom, Sharon.....	519-879-6432	C
Windham Center; Diniz, David & Decarolis, Larry	519-426-9308	C

Forage Crops

This data is prepared by the Ontario Forage Crops Committee (OFCC) and summarizes the performance and characteristics of varieties that the committee has supported for registration in Canada. Further information is available at www.GoForages.ca

Disease Ratings:

HR = Highly Resistant (more than 50% resistant plants),

R = Resistant (31 to 50% resistant plants),

MR = Moderately Resistant (15 to 30% resistant plants),

S = Susceptible (less than 15% resistant plants).

BW = Bacterial wilt, VW = Verticillium wilt,

PRR = Phytophthora Root Rot, PLH = Potato Leafhopper,

FW = Fusarium Wilt; APH = Aphanomyces

PHOTO: THINKSTOCK

Ontario Performance Trial Data

ALFALFA

Cultivar	Composite Yield Index ^{1,2} % of mean			Pest Reaction ³							Distributor	Year Supported by OFCC
	Harvest Year			BW	VW	PRR	PLH	FW	APH			
	1	2+	3 & 4*						Race 1	Race 2		
Akori	104	103	—	HR	HR	HR	S	—	—	—	Elite Seeds	2015
Ascend	103	105	107	HR	HR	HR	S	HR	HR	—	Elite Seeds	2011
Dynasty	112	105	102	HR	HR	HR	S	HR	HR	HR	ProRich Seeds (2016) Inc.	2014
ELEVATE	105	101	99	HR	HR	HR	S	—	—	—	General Seed Co. 2000 Ltd.	2007
Evermore	103	100	101	HR	HR	HR	S	HR	HR	HR	ProRich Seeds (2016) Inc.	2009
FORCE	105	102	106	HR	HR	HR	S	R	—	—	General Seed Co. 2000 Ltd.	2007
Foremost	100	103	104	HR	HR	HR	S	HR	HR	—	ProRich Seeds (2016) Inc.	2010
Lelia	—	101	—	—	—	—	—	—	—	—	Evergreen Seeds	2016
Lexus	99	102	101	HR	HR	HR	S	—	—	—	Evergreen Seeds	2009
Magnum VI Wet	106	105	109	HR	HR	HR	S	HR	HR	R	Elite Seeds	2008
MARVEL	101	103	105	HR	HR	HR	S	HR	HR	—	Corland Seeds.(2011) Ltd.	2009
OAC SUPERIOR	101	102	103	R	R	MR	S	—	—	—	ProRich Seeds (2016) Inc.	2009
Prolific II	99	97	95	HR	HR	HR	S	HR	HR	R	Dow Seeds	2010
DOMINATOR	—	107	—	—	—	—	—	—	—	—	Quality Seeds Ltd.	2016
Shockwave BR	111	105	108	HR	HR	HR	S	HR	HR	R	Speare Seeds	2013
SHOWDOWN	101	101	103	HR	HR	HR	S	—	—	—	Quality Seeds Ltd.	2011
STELLAR	FG	102	104	104	HR	R	HR	S	—	—	Quality Seeds Ltd.	2007
Stockpile	107	103	112	HR	HR	HR	S	HR	HR	R	Brett Young Seeds Ltd.	2013
Valid	102	103	100	HR	HR	HR	S	—	—	—	Evergreen Seeds	2008
WL343HQ	101	102	108	HR	HR	HR	S	HR	HR	—	GROWMARK Inc.	2007
WL 348AP	101	100	100	HR	HR	HR	S	HR	—	HR	GROWMARK Inc.	2008
WL 354 HQ	99	98	99	HR	HR	HR	S	HR	HR	HR	GROWMARK Inc..	2013
135	—	105	109	HR	HR	HR	S	HR	HR	—	ProRich Seeds (2016) Inc.	2010
4S417	109	104	108	HR	HR	HR	S	HR	HR	—	Dow Seeds	2010
4010 BR	107	106	106	HR	HR	HR	S	HR	HR	R	ProRich Seeds (2016) Inc	2010
4020 MF	99	105	100	HR	HR	HR	S	HR	HR	R	Speare Seeds	2013
4030	106	102	103	HR	HR	HR	S	HR	HR	R	Speare Seeds	2010
54Q14	102	101	—	HR	HR	HR	S	—	—	—	Pioneer H-Bred	2014
54Q32	99	102	103	HR	HR	HR	S	HR	HR	S	Pioneer Hi-Bred	2009
55H94	96	97	97	HR	HR	HR	HR	HR	HR	R	Pioneer Hi-Bred	2011
55Q27	99	98	—	HR	HR	HR	S	—	—	—	Pioneer Hi-Bred	2013
55V12	100	100	101	R	HR	HR	S	HR	HR	R	Pioneer Hi-Bred	2010
55V48	101	102	101	HR	R	HR	S	HR	HR	R	Pioneer Hi-Bred	2007
55V50	105	102	100	HR	HR	HR	S	HR	HR	HR	Pioneer Hi-Bred	2011

1 The varieties listed have not all been tested in the same trials. Composite Yield Index indicates performance of a variety relative to the average yield of all trials in which the variety has been tested. Mean Yield(T/Ha) 1st Year = 10.1, 2nd Year =10.2, 3&4 yr = 9.4

2 A dash (—) indicates fewer than three public yield tests available.

3 HR = Highly Resistant (more than 50% resistant plants), R = Resistant (31 to 50% resistant plants), MR = Moderately Resistant (15 to 30% resistant plants), S = Susceptible (less than 15% resistant plants). BW = Bacterial wilt, VW = Verticillium wilt, PRR = Phytophthora Root Rot, PLH = Potato Leafhopper, FW = FusariumWilt; APH = Aphonomyces

* 3rd and 4th year alfalfa indexes indicate relative persistence among varieties on this list. As a guide, 3rd and 4th year indexes less than 100 indicate below average persistence, between 100 and 105 indicates good persistence, and above 105 indicates very good persistence.

BIRD'S-FOOT TREFOIL

Cultivar	Yield (% of Leo) ¹ Timothy mixture		First flower	Elora	Regrowth	Distributor
	South	North/				
Empire	98	103		01/07	Medium	Public Cultivar
Exact	101	108		23/06	Medium	GROWMARK Inc.
Leo	100	100		23/06	Medium	Public Cultivar

¹ Average yield of Leo in Southern Ontario trials 8.6 t/ha; in Northern Ontario trials 7.7 t/ha.

DOUBLE-CUT RED CLOVER

Cultivar	Yield (% of Tempus) ¹				First flower Elora	Distributor
	South Year		North Year			
	1	2+	1	2+		
AC Endure	92	96	95	98	09/06	Quality Seeds Ltd.

¹ Average yield of Tempus in first year: Southern Ontario trials 9.7 t/ha; Northern Ontario 8.7 t/ha; in second year: Southern Ontario 9.1 t/ha; Northern Ontario 5.7 t/ha.



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COVER CROPS

WHITE CLOVER

Cultivar	Yield (% of Alice) ¹ Orchardgrass mixture		Distributor
	South	North	
Osceola	102	97	Speare Seeds
WILL	105	107	Quality Seeds Ltd.

1 Average yield of Alice, Southern Ontario 7.5 t/ha; in Northern Ontario trials 5.6 t/ha.

RYEGRASS

Cultivar	Yield		Distributor
	South	North	
Westerwold Annual Ryegrass (% of Barspectra)¹			
Italian Ryegrass (% of Maris Ledger)¹			
Maris Ledger (tetraploid)	100	100	Several Distributors
Perennial Ryegrass¹			
Intrada (tetraploid)	102	—	General Seed Co. 2000 Ltd.
Remington (tetraploid)	100	—	ProRich Seeds (2016) Inc., Speare Seeds
Toronto (diploid)	97	—	General Seed Co. 2000 Ltd.

1 Average yield of Barspectra, Maris Ledger and Remington Southern Ontario trials 6.2, 6.0 and 6.5 t/ha; in Northern Ontario trials 6.0 and 5.4 t/ha. A dash (—) indicates that fewer than three public yield tests are available.

BROMEGRASS

Cultivar	Species	Yield ^{1,2}				Heading date	Distributor
		Hay management ¹		Frequent cutting ²			
		South	North	South	North		
Meadow Brome							
Armada	Meadow	130	104	—	—	—	SeCan
Admiral	Meadow	123	99	—	—	—	SeCan
Fleet	Meadow	106	93	—	96	15/05	SeCan
Smooth Brome							
PEAK	Smooth	100	100	—	100	24/05	Quality Seeds Ltd.

1 Average yield of Peak in hay management, southern Ontario trials 7.3.1t/ha; in northern Ontario trials 9.0 t/ha.

2 Average Yield of Peak in frequent cutting in southern Ontario 7.6 t/ha; in northern Ontario trials 7.8 t/ha.

A dash (—) indicates that fewer than three public yield tests are available.

TIMOTHY — EARLY HARVEST MANAGEMENT

Cultivar	Yield (% of Richmond) ^{1,2}		Heading date	Regrowth	Distributor
	South	North	Elora		
Derby	99	—	29/05	Good	GROWMARK Inc.
Richmond	100	100	27/05	Medium	PRIDE Seeds

1 Average yield of Richmond, Southern Ontario trials 8.6 t/ha; in Northern Ontario trials 6.7 t/ha.

2 A dash (—) indicates that fewer than three public yield tests are available.

TIMOTHY — LATE HARVEST MANAGEMENT

Cultivar	Yield (% of Climax) ¹		Heading date	Regrowth	Distributor
	South	North	Elora		
AC Pratt	107	101	—	Good	SeCan
AURORA	108	102	07/06	Good	Speare Seeds
Climax	100	100	05/06	Medium	Public Cultivar
Crest	117	104	07/06	Excellent	GROWMARK Inc.
EXPRESS	114	106	05/06	Excellent	Quality Seeds Ltd.
Itasca	108	106	05/06	Good	ProRich Seeds (2016) Inc.
TREASURE	114	112	31/05	Excellent	General Seed Co. 2000 Ltd.

1 Average yield of Climax, Southern Ontario trials 8.1 t/ha; in Northern Ontario 7.0 t/ha.

Note: Comparisons of variety performance between timothy tables are not valid because of the different harvest management regime.

ORCHARDGRASS

Cultivar	Yield ¹		Heading date	Distributor
	South	North	Elora	
Late (% of OKAY)¹				
Dividend VL	89	100	11/06	Quality Seeds Ltd.
Hay master	103	—	31/05	GROWMARK Inc.
OKAY	100	100	01/06	PRIDE Seeds
Proper	100	97	31/05	Quality Seeds Ltd, Corland Seeds(2011) Ltd

1 Average yield of OKAY, Southern Ontario trials 7.3 t/ha; in Northern Ontario 7.4 t/ha.

OTHER GRASSES

Cultivar	Yield		Heading date Elora	Distributor
	South	North		
REED CANARYGRASS (% of Palaton)¹				
MARATHON2	96	104	28/05	Quality Seeds Ltd, Corland Seeds(2011) Ltd
Venture ²	100	97	31/05	Speare Seeds, ProRich Seeds (2016) Inc.
TALL FESCUE (% of Courtenay)¹				
Courtenay	100	100	25/05	Quality Seeds Ltd.
Kora	107	98	06/06	Quality Seeds Ltd., Corland Seeds(2011) Ltd.
YUKON	102	95	—	General Seed Co. 2000 Ltd.
MEADOWFESCUE (% of Mimer)¹				
Pradel	104	101	25/05	Speare Seeds,

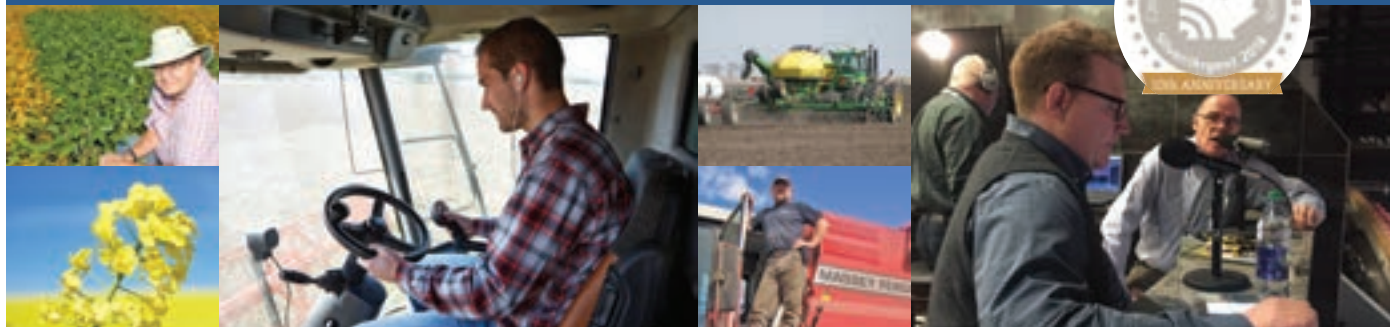
1 Average yield of Palaton, Courtenay, and Mimer, Southern Ontario trials 9.8, 8.8 and 5.9 t/ha; in Northern Ontario trials 8.0, 8.6 and 5.7 t/ha.

2 Varieties with significantly lower levels of gramine alkaloid. High levels of gramine alkaloid reduces palatability and intake.

DISTRIBUTOR CONTACTS — Forages

Brett Young	1-204-261-7932	Pioneer Hi-Bred Ltd.	1-800-265-9435
Corland Seeds(2011) Ltd.	1-800-265-4321	PRIDE Seeds	1-800-265-5280
Dow Seeds	1-800-265-7403	ProRich Seeds (2016) Inc.	1-519-485-3447
Elite Seeds	1-519-282-6701	Quality Seeds Ltd.	1-877-856-7333
Evergreen Seed Co. Ltd.	1-905-857-5721	SeCan	1-866-797-7874
General Seed Co. 2000 Ltd.	1-905-648-2101	Speare Seeds	1-519-338-3840
GROWMARK Inc.	1-519-895-4255		

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Clarence Nywening President www.christianfarmers.org
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Ailsa Craig; Beechwood Agri Services Inc. 519-294-0474
Alberton; General Seed Company 905-648-2101
Almonte; Cochran Seeds Almonte 613-256-1029
Alvinston; MacKellar Farms 519-844-2249
Alvinston; McRae Seeds 519-844-2884
Alvinston; Wanstead Farmers Cooperative Co. Ltd. 519-898-2861
Arva; Robson Brothers 519-666-1204
Aylmer; Underhill Bros. Ltd. 519-773-3250
Bath; Miller Seed Farm 613-352-3636
Belmont; Belmont Farm Supply 519-644-1650
Blenheim; Country Farm Seeds Ltd. 519-676-8672
Blenheim; Thompsons Limited - Blenheim 519-676-5446
Bloomfield; Beatty Seeds Ltd. 613-393-2333
Blyth; Millstone Crop Services Ltd. 519-523-9624
Bradford; Solar Seed Inc. 905-775-3240
Branchton; Szentimrey Seeds Ltd. 519-620-1100
Brantford; Bow Park Farm 519-759-7075
Brigden; Agris Co-operative Ltd. 519-864-1011
Brodhagen; Hoegy's Farm Supply Ltd. 519-345-2941
Brussels; Brussels Agromart Ltd. 519-887-6273
Caledon; Evergreen Seed Co.Ltd. 905-857-5721

REGISTERED SEED MERCHANTS

Caledonia; Blaindale Farms Ltd.....	905-765-6583
Caledonia; Thomsen-Jung Farms Ltd.....	905-679-3251
Cambridge; Compact Sod/Green Horizons Group of Farms	519-653-7494
Campbellford; Campbellford Farm Supply Ltd.....	705-653-4884
Canfield; Hedley Seeds Ltd.....	905-774-7855
Chatham; AgReliant Genetics Inc.	519-354-3210
Chatham; Pioneer Hi-Bred Production Company.....	519-352-6350
Chatham; South West Ag Partners Inc.....	519-352-2651
Chepstow; Lang Farms Ltd.....	519-881-1114
Clinton; Huron Commodities Inc.....	519-482-8400
Cobden; Valley Bio Ltd.....	613-646-9737
Cottam; Agris Co-op - Cottam.....	519-839-4861
Cottam; Settingerton's Fertilizer Service Limited	519-776-7041
Courtland; Horizon Seeds Canada Inc.....	519-842-5538
Douglas; BDS Farm.....	613-570-0677
Dover Centre; Devolder Farms Inc.	519-352-8799
Dresden; Dennis Jackson Seed Service Ltd.....	519-683-4413
Dresden; L. G. Dunlop Farms	519-683-2858
Drumbo; Rodger Seeds.....	519-632-7500
Dublin; Bolton, R.T. & Son	519-527-0455
Dundas; William Dam Seeds.....	905-628-6641
Dutton; Agris Co-op - Dutton.....	519-762-2836
Elmvale; FS Partners - Elmvale.....	705-322-5900
Emo; Purity Seeds Limited.....	807-482-2420
Florence; Elliott Shetland Farms Ltd	519-358-3605
Forest; Lakeside Grain & Feed Limited.....	519-786-2106
Goodwood; Richters Herbs	905-640-6677
Guelph; Syngenta Canada, Inc.	519-837-5885
Guelph; Woodrill Ltd.	519-821-1018
Hanover; Sprucedale Agromart Ltd.....	519-364-4070
Harriston; Speare Seeds	519-338-3840
Hensall; Hensall District Co-operative Inc.	519-262-3002
Hensall; Thompsons Limited - Hensall.....	519-262-2527
Hickson ; Oxford AgroPro Ltd.....	519-462-2721
Inkerman; Sevita International - Inkerman	613-989-5400
Jarvis; Landray Farm Inc.....	289-975-9074
Kitchener; FS PARTNERS.....	519-632-7900
Kitchener; GROWMARK Inc.....	519-895-4208
Kitchener; Ontario Seed Company Ltd.....	519-886-0557
Kleinburg; Ball Superior.....	905-893-7101
Lancaster; Munro Agromart Ltd.....	613-347-3063
Leamington; Enza Zaden Canada Inc.....	519-329-6657
Leamington; Plant Products Inc.....	519-326-9037
Lindsay; Bonis & Company Ltd.....	705-324-0544
Lindsay; DLF Pickseed Canada Inc. - Lindsay	705-878-9240
Lindsay; Graham Turf Seeds Ltd.	705-878-8822
Lindsay; Midnight Acres Inc.....	705-878-8200
Lucknow; Snobelen Farms Ltd.	519-528-2092
Maidstone; Santo Farms Seed Company	519-791-4564
Melbourne; Cargill Ltd. - Melbourne	519-289-2067
Minesing; Vespra Valley Farms Ltd.....	705-728-1294
Mississauga; Premier Tech Home & Garden	519-754-2957
Mitchell; FS Partners - Mitchell.....	519-348-9043
Mt. Elgin; ProRich Seeds (2016) Inc.....	519-485-3447
New Hamburg; Silver Creek Ag Ltd.....	519-272-5332
New Liskeard; Country Aida Farms Inc.....	705-622-1870
New Liskeard; Labonte Seed Division of Grant Reliable Fertilizers Corp.....	705-647-6821
New Liskeard; Phillips Seeds Ltd.	705-563-8375
North York; Berton Seeds Co. Limited.....	416-745-5655
Oakwood; Sunderland Co-operative	705-953-9660
Otterville; Davis Seed Company	519-879-6432
Oxford Station; Summit Seeds Inc.	613-258-1653
Palmerston; Bramhill Seeds Ltd.	519-343-3630
Palmerston; C&M Seeds	519-343-2126
Palmerston; Connell Farms Inc.....	519-343-2626
Paris; Grand River Bean Inc.....	519-442-2760
Parkhill; McGee Farm Services Limited	519-294-6750
Ridgetown; Pioneer Hi-Bred Production Company	519-674-5476
Ridgetown; Ridgetown College of Agricultural Technology	519-674-1500
Ridgetown; Von Martels Seed Farms Inc.	519-674-0054
Ripley; Bluewater Agromart.....	519-395-2605
Ripley; Courtney Grain and Seed (2015) Ltd.....	519-395-2972
Sarnia; Parkland Farms.....	519-383-7007
Scotland; Scotland Agromart Ltd.....	519-446-2218
South Mountain; Kevin Leeder	613-229-5660

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Springfield; Sylvite Agri-Services Ltd.	519-773-8221
St-Isidore; Centre De Criblage Marc Bercier.....	613-524-2981
St. Albert; R.D. Legault Seeds Ltd.....	613-987-5494
St. Catharines; Jack Van Klaveren Ltd.....	905-641-5599
St. Thomas; Curtis Seeds Inc.....	519-631-6241
St. Thomas; Ferguson Bros. of St. Thomas Ltd.....	519-631-3463
Staffa; Rosebank Seed Farms Ltd.....	519-345-2697
Stratford; GreenSeal Cannabis Co., Ltd. Production Facility	519-566-0873
Strathroy; Bonduelle Canada Inc. - Strathroy.....	519-245-4600
Thornloe; Bowmanlea Farms	705-563-8444
Thornton; Alliance Agri Turf Inc. - Thornton.....	705-424-1410
Thorold; Stokes Seeds Ltd.	905-688-3634
Tilbury; Cargill Ltd. - Tilbury.....	519-682-1481
Tilbury; Maizex Seeds Inc.	519-682-1720
Tillsonburg; Choice Seeds Inc.....	519-842-2523
Tillsonburg; Future Transfer Company Inc.....	519-842-7600
Tillsonburg; Monsanto Canada ULC - Tillsonburg.....	519-688-9888
Varna; Hill and Hill Farms Ltd.	519-233-3218
Vienna; Max Underhill Farm Supply.....	519-866-3632
Wellandport; Clark Agri Service Inc.	905-386-6293
West Montrose; Cribit Seeds Division, Wintermar Farms (1989) Ltd.	519-664-3701
Wheatley; Recker Seeds Inc.	519-825-4025
Windham Centre; L & D Enterprises	519-426-9308
Wingham; Pioneer Hi-Bred Production Company	519-357-3113 x6202
Woodbridge; Quality Seeds Ltd.....	905-856-7333
Woodstock; Sevita International - Woodstock	519-537-5157

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Lab Name and Address	Contact	Purity & Germination
Ontario		
Canadian Seed Laboratories Box 217, 208 David St. Lindsay ON K9V 5Z4	Catharine Breadner Phone: 705 328-1648 Fax: 705 324-2550	Purity and Germination of all crop kinds.
Dupont Pioneer 7398 Queen's Line, Country Rd #2 West Box 730 Chatham ON N7M 5L1	Mary Ellen Van Zelst Phone: 519 352-6350 Fax: 519 380-2011	Purity: Crop kinds in grade tables 1-7, Sorghum and Sorghum Sudan grass hybrids in table 4, Soybean and Sunflower in table 5, Hybrid Corn in Table 6 and pop and sweet corn in table 18 Germination: same as above including Sunflower in Table 6.
Kent Agri Laboratory 8672 John Line, R.R.#2 Tupperville ON N0P 2M0	Dianne Gilhuly Phone: 519 627-3737 Fax: 519 627-7726	Purity and Germination of all crop kinds.
Lang Germination 6 Clarinda St, Box 419 Teeswater ON N0G 2S0	Shelley Lang Phone: 519 392-8203 Fax: 519 392-8203	Germination of crop kinds in grade tables 1 to 3, 5 and 6, and 18.
Perth Seed Laboratory R.R. 5 Mitchell ON N0K 1N0	Bernadine Wolfe Phone: 519 348-9057 Fax: 519 348-8165	Germination of crop kinds in grade tables 1 to 6 and 18.



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