Seed Ontario 2022

Variety Performance Trial Data & Growers Source Guide

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Seed Ontario

2022 EDITION

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

Seed Ontario is an annual publication
of Ontario Seed Growers' Association (OSGA).

The data in this listing includes all pedigreed seed crops that have successfully received, or are in the process of receiving, seed crop certification from the Canadian Seed Growers' Association (CSGA) in 2021. Fields that were declined pedigreed status are not included in this listing. Data is provided for information purposes only. CSGA is not liable for omitted or incorrect seed listings, and you agree to use the data at your own risk. You agree to fully indemnify CSGA from all losses, damages, liability, judgements, costs and expenses, which you or a user of the CSGA data sustain by disseminating or relying on such data. 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. 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 Breeder's Rights, PBR'78 and '©' protected by PBR'91.

Ontario Corn Committee

OSGA

Ontario Pulse Crop Committee

Agriculture and Agri-Food Canada / Agriculture et Agroalimentaire Canada

Ontario

University of Guelph

Cover photo by Getty Images

Minister's Message

As Ontario's Minister of Agriculture, Food and Rural Affairs, I am pleased to welcome you to the Ontario Seed Growers' Association's 2022 Seed Guide.

I want to recognize the hard work of Ontario's agriculture industry, including our Seed Growers' Association and its membership, who provide us with high-quality products that support hundreds of thousands of jobs in the province.

I am both impressed and proud of OSGA's dedication to pedigreed seed development including production and efforts made to maintain and enhance Ontario's well-deserved reputation as a leader in this sector.

As we look forward to Ontario's economic recovery from COVID-19, I'm confident about the future because I see your determination to innovate and grow, even after this challenging year.

I would like to take this opportunity to express my appreciation to everyone in this sector for the hard work and dedication you've shown as you continue your important work in Ontario's agri-food industry.

Best wishes for a successful year!

Honourable Lisa M. Thompson
Minister of Agriculture, Food and Rural Affairs

President's Message

The 2022 Seed Guide publication brings together a tremendous catalogue of information to assist in any seed purchasing decisions. The Ontario Seed Growers' Association (OSGA) is proud to provide this publication for your reference and use. Thank you to our many partners in all of the crop recommending committees, industry and the research community that help manage plot trials and prepare data for use in making variety selections that best meet your needs.

As incoming President of the Ontario Seed Growers' Association, I want to take a moment and thank Shannon Bieman for her work on behalf of our industry and serving as the OSGA President for the past two years. I also want to express my appreciation to the entire OSGA board and to our Manager Colleen Acres, for their commitment and for serving the industry on behalf of all seed growers in Ontario.

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. This is key to accessing new varieties with better traits as well as 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. This system has given Canada its worldwide reputation as a supplier of quality agricultural products, a reputation you can use to guarantee the quality of products on and from your farm.

Enjoy Seed Ontario 2022 – and make the best decisions to improve your farm productivity and profitability – Use Certified Seed.

Andrew Dawson
President, Ontario Seed Growers' Association

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SEED REGULATORY MODERNIZATION

Canadian Seed Growers' Association's Vision for the Canadian Seed System

Seed Regulatory Modernization (SRM) is happening now, with the Canadian Food Inspection Agency (CFIA) undertaking a full-scale review of the *Seeds Regulations*, excluding Part V.

It is a comprehensive review of the *Seeds Regulations* designed to make the system simpler, easier to use, and more aligned with modern practices, and strengthen consumer protection. This project will lay the foundation for a strong Canadian seed system for years to come.

Seed sector stakeholders are working together in task teams with the CFIA to define the first draft of options for change. In the winter of 2021-2022, the CFIA will reach out to all sector stakeholders for their input on those options.

This is an opportunity to put forward a vision for smarter, better regulations that add value and promote competition, revitalizing the public-private partnership.

SRM POLICY POSITION PAPER: CSGA RECOMMENDATIONS FOR CHANGE

CSGA's full SRM policy position paper outlines CSGA's recommendations for seed regulatory reform and why they are important. In some cases, the recommendations represent change; in others, they maintain essential aspects of today's system.

Through in-depth discussions on regulatory modernization with seed growers, plant breeders, provincial advisors, and company representatives, a series of CSGA recommendations have been developed that focus on:

1) INDUSTRY LEADERSHIP AND A RENEWED PARTNERSHIP WITH GOVERNMENT

- The CFIA should continue to be ultimately responsible for the seed certification program.
- The CSGA's delegated authority should be expanded to include certification of Foundation, Registered and Certified seed.
- The *Seeds Regulations* should recognize CSGA to establish technical requirements for seed certification in Canada.

2) DIGITALIZED SERVICES

- The seed certification system should be digital end-to-end to facilitate single-window access to seed regulatory services.

3) VARIETIES

- Variety registration should be maintained, and the CFIA should continue to be responsible.
- Schedule III to the *Seeds Regulations* should be incorporated by reference and updated, with the CFIA as the responsible authority.
- The current requirements concerning the use of variety names should continue.
- The CSGA should administer the Variety Profile Platform in support of enhanced transparency for the agri-food system.

4) SEED QUALITY ASSURANCE

- Part IV of the *Seeds Regulations* should be incorporated by reference.
- Common seed of cereals, pulses, and oilseeds should be subject to strengthened regulation and meet minimum standards for purity and germination.
- Common seed of small-seeded agricultural crop kinds should be sampled, tested, and graded by people authorized to do so, as currently done for pedigreed seed.

5) CFIA COMMITMENTS

- The CFIA should increase its investment in science support for the Seed Program, commit to continued engagement in international standards development organizations, and commit to succession planning to ensure that appropriate and adequate human resources are available.

The Policy Paper provides a detailed rationale for each recommendation. Find the paper here: www.seedgrowers.ca/wp-content/uploads/2021/06/210618_SeedRegMod_PolicyPositions_Final-English.pdf

CSGA's mission is to advance the seed sector and, with its partners, deliver and promote a flexible, responsive, and cost-effective seed certification system supporting Canadian agriculture. However, Canada's seed regulatory framework is complex and sometimes not well understood. Now is the time to talk with colleagues about what a modern seed system for Canada looks like. What is working? What isn't? It is important to remember that a robust and resilient seed system is essential to all Canadians.

Please do not hesitate to contact CSGA with any questions or concerns. Email: communications@seedgrowers.ca Phone: 613-236-0497. ■

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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, spring wheat, barley and oat trials are conducted at locations across Ontario. 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 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 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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INSIGHT: We're here to help you make sense of complex issues, and to give you the understanding you need to make informed decisions that drive your farm forward.

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Ontario Performance Trial Data

AREA MAP

Locations of performance tests by crop:

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

Barley: Palmerston, Kincardine, Elora, Winchester, New Liskeard, Ottawa

Spring Wheat: Palmerston, Kincardine, Elora, Winchester, New Liskeard, Emo, Casselman, Ottawa

Winter wheat: Woodslee, Tupperville, Inwood, Centralia, Palmerston, Elora, Winchester, Ridgetown, Kincardine, Moose Creek, Ottawa, Emo, New Liskeard

For more information, go to GoCereals.ca

OATS

Cumulative Yield Index[1] Summary of Areas II, III & V

	Area II					Area III					Area V				
Variety	**5 yr[2]**	**4 yr**	**3 yr**	**2 yr**	**2021**	**5 yr[2]**	**4 yr**	**3 yr**	**2 yr**	**2021**	**5 yr[2]**	**4 yr**	**3 yr**	**2 yr**	**2021**
Hulled															
OAC Markdale	80	80	81	82	83	93	95	93	92	88					
RC Amaze	91	95	96	99	90	91	99	93	90	87					
Avatar						89	94	90	97	96					
Hidalgo											96	96	93	90	99
Vitality						91	96	97	96	96	99	98	96	96	101
AAC Bullet	97	94	91	95	83	106	98	97	91	90					
CDC Orrin				101	101	108	111	106	104	102	100	100	97	98	96
AAC Richmond	98	96	93	95	96	98	97	102	106	108	106	107	106	105	104
AAC Oaklin	94	88	85	88	78	105	97	95	87	86	98	96	96	93	89
Akina											103	104	102	100	98
AAC Nicolas											103	102	102	107	109
AAC Banner	112	109	109	98	98	110	107	110	103	104					
Kalio								101	101	100		99	100	100	104
AAC Chandler													104	105	100
AAC Stature			117	107	113				94	92					
AAC Reid			128	127	125				110	113				94	96
Alise									102	102				101	98
Orford				105	105				104	105				96	97
Mistral															96
Means (t/ha)	3.66	3.61	3.74	3.62	3.75	3.72	3.81	4.26	4.03	4.22	5.05	4.90	5.15	4.86	4.78
Means (bu/ac)	96	95	98	95	98	98	100	112	106	111	133	129	135	128	126
Locations	14	11	9	6	3	9	7	5	3	2	13	10	7	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.

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 12 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	37.7	30.6	60	93	99	4.1	6.4	94
RC Amaze	white	39.6	30.7	57	87	85	3.0	7.2	98
AAC Bullet	white	38.2	32.6	61	90	96	4.6	6.7	92
CDC Orrin	white	38.0	33.8	64	96	108	3.8	5.6	105
AAC Richmond	white	36.7	32.2	68	94	112	2.8	5.3	100
AAC Oaklin	white	37.8	32.3	62	92	97	6.2	6.8	84
AAC Banner	white	37.3	28.7	65	97	97	4.2	2.3	100
AAC Stature	white	44.0	32.0	61	93	85	1.9	1.9	104
AAC Reid	white	43.1	32.6	65	94	109	1.1	1.7	131
Orford	white	39.1	28.9	66	91	103	1.7	5.5	92
Means		39.2	31.5	63	93	99	3.3	4.9	5.46 t/ha
Locations		3	3	3	1	2	3	3	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 Index[1] Summary – Intensive Trials

Class[2]	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2021 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
white	OAC Markdale	83*	95	80	95	77	94	76	92	79	102
	RC Amaze	92	109	93	111	92	113	96	117	82	105
	AAC Bullet	95	110	91	111	90	113	94	115	80	109
	CDC Orrin							96	109	98	120
	AAC Richmond	93	102	91	104	90	104	93	106	91	107
	AAC Oaklin	91	106	86	105	84	106	88	107	73	101
	AAC Banner	96	105	93	105	92	106	85	98	89	105
	AAC Stature					99	109	91	103	93	105
	AAC Reid					113	117	115	116	107	110
	Orford							100	108	99	116
Means (t/ha)		3.86	4.33	3.78	4.39	3.86	4.54	3.71	4.29	4.01	4.88
Means (bu/ac)		101	114	99	115	101	119	97	113	105	128
Location-Years			9		7		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.
2 hull colour.
* Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.
Fungicide treatments included a T2 application of foliar fungicide at Zadoks Growth Stage 39.
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.

Cumulative Lodging Score[1] Summary – Intensive Trials

Class[2]	Variety	5-Year Lodging Score Fungicides No	5-Year Lodging Score Fungicides Yes	4-Year Lodging Score Fungicides No	4-Year Lodging Score Fungicides Yes	3-Year Lodging Score Fungicides No	3-Year Lodging Score Fungicides Yes	2-Year Lodging Score Fungicides No	2-Year Lodging Score Fungicides Yes	2021 Lodging Score Fungicides No	2021 Lodging Score Fungicides Yes
white	OAC Markdale	3.6	2.2	4.1	1.4	4.8	1.7	4.1	2.2	1.7	0.2
	RC Amaze	3.9	1.9	4.9	1.5	4.7	1.3	3.0	1.2	0.0	0.0
	AAC Bullet	3.4	1.8	3.8	1.0	4.4	1.1	3.7	1.2	2.3	0.3
	CDC Orrin							3.4	1.7	1.7	0.3
	AAC Richmond	3.8	3.7	4.3	2.4	5.0	2.9	4.9	3.8	2.8	2.5
	AAC Oaklin	4.5	1.8	5.5	1.2	6.0	0.9	5.8	1.0	4.8	0.0
	AAC Banner	4.1	4.0	3.8	3.4	4.2	3.7	5.0	5.5	3.0	4.0
	AAC Stature					2.8	1.6	3.1	2.3	0.3	0.0
	AAC Reid					1.3	0.8	2.1	1.1	0.5	0.0
	Orford							3.4	3.3	0.8	1.0
Means		3.5	2.5	3.9	1.8	4.3	1.8	3.9	2.3	1.7	0.8
Location-Years			8		6		5		3		2

1 Lodging scroes range from 0 to 9. A high score is undesirable
2 hull colour.
* Cultivar lodging rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.
Fungicide treatment included a T2 application of foliar fungicide at Zadoks Growth Stage 39.
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 or PBR78. Visit pbrfacts.ca to learn more.

OATS — AREA III

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	50.2	32.1	62	101	73	0.3	6.2	83
RC Amaze	white	51.9	34.5	56	100	66	2.0	6.5	60
Avatar	white	52.4	34.0	64	103	73	1.3	4.5	99
Vitality	white	50.2	37.0	62	102	73	0.0	3.0	98
AAC Bullet	white	51.1	36.0	62	102	69	1.7	3.7	100
CDC Orrin	white	50.6	37.6	64	104	75	3.3	4.8	101
AAC Richmond	white	52.2	36.7	68	105	85	0.0	3.5	109
AAC Oaklin	white	49.9	34.7	62	101	68	0.0	4.7	82
AAC Banner	white	51.4	35.7	67	105	72	2.7	2.5	142
Kalio	white	50.9	35.9	62	101	70	2.0	2.0	111
AAC Stature	white	53.8	35.0	62	103	57	2.3	2.0	81
AAC Reid	white	52.1	35.7	65	102	78	0.0	0.8	137
Alise	white	50.2	36.7	66	103	79	0.0	4.7	89
Orford	white	50.6	35.0	67	102	74	5.3	3.5	108
Means		51.2	35.5	63	102	72	1.5	3.7	2.73 t/ha
Locations		2	2	2	1	2	1	2	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.

OATS — AREA III *(continued)*

Cumulative Yield Index[1] Summary – Intensive Trials

Class[2]	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2021 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
white	OAC Markdale	86	99	89	98	85	98	88	95	77	95
	RC Amaze	81	101	89	102	85	101	84	100	73	106
	Avatar	82	103	93	107	90	108	96	107	92	110
	Vitality	86	100	93	102	92	102	94	103	92	110
	AAC Bullet	101	106	93	100	91	101	88	97	86	101
	CDC Orrin	101	109	103	108	103	110	101	110	91	111
	AAC Richmond	95	109	97	107	97	109	102	106	101	107
	AAC Oaklin	98	107	88	98	85	98	80	92	76	96
	AAC Banner	105	107	103	106	103	106	97	101	92	107
	Kalio					103	104	101	101	95	101
	AAC Stature							92	93	86	96
	AAC Reid							107	108	109	116
	Alise							100	106	100	115
	Orford							100	108	96	112
Means (t/ha)		4.07	4.62	4.22	4.66	4.44	4.97	4.32	4.74	4.97	5.84
Means (bu/ac)		107	121	111	122	117	131	113	125	131	153
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.
2 hull colour.
* Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.
Fungicide treatments included a T2 application of foliar fungicide at Zadoks Growth Stage 39.
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.

Cumulative Lodging Score[1] Summary – Intensive Trials

Class[2]	Variety	4-Year Lodging Score Fungicides		3-Year Lodging Score Fungicides		2-Year Lodging Score Fungicides		2021 Lodging Score Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes
white	OAC Markdale	3.5*	2.8	1.7	0.7	1.4	0.5	0.3	0.0
	RC Amaze	4.6	4.8	3.3	3.4	1.5	4.5	2.0	7.3
	Avatar			4.8	1.8	3.2	1.4	1.3	1.0
	Vitality			2.2	2.2	0.0	2.4	0.0	3.0
	AAC Bullet	3.3	2.5	1.9	1.6	2.1	2.3	1.7	3.3
	CDC Orrin			3.8	1.9	3.7	2.3	3.3	1.3
	AAC Richmond	3.3	2.6	1.3	1.3	0.8	1.5	0.0	0.7
	AAC Oaklin	4.7	2.9	3.3	1.7	2.5	1.6	0.0	0.0
	AAC Banner	3.8	2.6	2.1	1.0	1.8	0.9	2.7	0.0
	Kalio			2.8	1.8	2.8	2.1	2.0	2.0
	AAC Stature					1.7	0.9	2.3	0.0
	AAC Reid					1.5	1.2	0.0	0.3
	Alise					1.8	0.6	0.0	0.0
	Orford					4.4	1.3	5.3	0.7
Means		4.5	3.2	2.8	1.6	2.1	1.6	1.6	1.3
Location-Years			4		3		2		1

1 Lodging scores range from 0 to 9. A high score is undesirable
2 Area 3: see area map on www.gocereals.ca website.
3 hull colour.
* Cultivar lodging rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.
Fungicide treatment included a T2 application of foliar fungicide at Zadoks Growth Stage 39.
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 or PBR78. 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)	Straw Yield Index
Hidalgo	white	43.4	27.0	61	95	77	3.0	3.0	101
Vitality	white	41.6	28.7	60	96	84	2.7	1.3	101
CDC Orrin	white	43.3	30.9	61	97	81	1.3	2.3	107
AAC Richmond	white	44.5	30.4	67	97	95	3.0	2.0	115
AAC Oaklin	white	42.5	28.4	60	95	80	3.3	3.0	81
Akina	white	40.1	26.9	62	95	77	2.0	2.3	79
AAC Nicolas	white	41.8	27.4	63	95	84	2.3	2.3	92
Kalio	white	41.7	26.9	57	94	82	3.3	1.7	89
AAC Chandler	white	41.8	26.4	64	97	73	3.0	2.3	79
AAC Reid	white	43.0	28.6	61	96	88	2.3	1.0	128
Alise	white	41.8	29.2	65	98	90	1.5	2.0	106
Orford	white	42.8	26.9	64	95	89	4.0	1.7	98
Mistral	white	42.2	28.6	57	97	80	3.0	2.3	124
Means		42.3	28.2	62	96	83	2.7	2.1	4.49 t/ha
Locations		2	2	2	2	2	1	1	2

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.

OATS — AREA V *(continued)*

Cumulative Yield Index[1] Summary – Intensive Trials

Class[2]	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2021 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
white	Hidalgo	95*	99	95	100	93	97	88	95	99	101
	Vitality	96	101	94	100	94	99	94	102	98	100
	CDC Orrin	99	98	98	98	98	96	98	98	95	98
	AAC Richmond	104	103	105	107	105	106	105	105	106	107
	AAC Oaklin	94	96	91	95	90	96	89	95	86	93
	Akina	101	99	100	98	100	99	99	98	96	98
	AAC Nicolas	105	105	104	104	104	104	108	110	110	109
	Kalio			99	106	100	107	101	110	104	109
	AAC Chandler					99	102	100	105	95	99
	AAC Reid							98	98	96	99
	Alise							96	101	95	107
	Orford							90	93	91	92
	Mistral									94	88
Means (t/ha)		5.16	5.28	4.99	5.18	5.19	5.34	5.19	5.47	5.58	5.81
Means (bu/ac)		135	139	131	136	136	140	136	144	147	153
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.
2 hull colour.
* Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.
Fungicide treatments included a T2 application of foliar fungicide at Zadoks Growth Stage 39.
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.

Cumulative Lodging Score[1] Summary – Intensive Trials

Class[2]	Variety	4-Year Lodging Score Fungicides		3-Year Lodging Score Fungicides		2-Year Lodging Score Fungicides		2021 Lodging Score Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes
white	Hidalgo	2.3*	1.8	2.0	1.6	3.0	2.3	3.0	2.7
	Vitality	2.7	2.3	2.0	1.9	2.6	2.3	2.7	2.3
	CDC Orrin	1.5	1.9	1.0	1.7	1.3	2.3	1.3	2.3
	AAC Richmond	3.3	2.7	2.8	2.2	2.6	1.8	3.0	2.3
	AAC Oaklin	1.8	2.2	1.2	1.8	1.8	2.4	3.3	3.3
	Akina	1.1	1.2	0.7	0.6	1.0	0.9	2.0	1.0
	AAC Nicolas	1.4	1.5	0.9	1.0	1.3	1.5	2.3	1.7
	Kalio			2.7	2.8	3.8	3.9	3.3	5.0
	AAC Chandler			1.4	1.2	2.1	1.8	3.0	3.0
	AAC Reid					1.8	1.0	2.3	1.0
	Alise					1.1	0.5	1.5	1.0
	Orford					3.9	4.1	4.0	3.7
	Mistral							3.0	2.0
Means		2.4	2.3	1.6	1.6	2	2	2.2	2.2
Location-Years			4		3		2		1

1 Lodging scroes range from 0 to 9. A high score is undesirable
2 hull colour.
* Cultivar lodging rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.
Fungicide treatment included a T2 application of foliar fungicide at Zadoks Growth Stage 39.
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 or PBR78. Visit pbrfacts.ca to learn more.

Cumulative Yield Index[1] Summary of Areas II, III & V

	Area II					Area III					Area V				
Variety	**5 yr[2]**	**4 yr**	**3 yr**	**2 yr**	**2021**	**5 yr[2]**	**4 yr**	**3 yr**	**2 yr**	**2021**	**5 yr[2]**	**4 yr**	**3 yr**	**2 yr**	**2021**
2 Rowed															
Bornholm	102	104	103	103	100	99	99	95	93	91			99	100	104
AAC Purpose	100	101	99	99	99	97	98	97	98	96	100	98	96	91	84
Champion				96	95	102	103	104	107	108			94	85	75
Corzo							99	97	96	92		95	95	93	92
AAC Synergy				99	104		93	96	96	97			100	100	95
Esma				102	99				98	93				109	102
KWS Kellie				88	85				99	95				94	81
AAC Connect				90	94				88	91				89	82
RGT Planet					87					89					82
6 Rowed															
Dignity	101	100	102	105	104	100	97	100	98	94					
OCEANIK						106	107	103	104	105	103	102	103	99	100
Harmony						106	109	107	108	112	97	98	95	96	102
Amberly	105	104	102	102	100	104	104	106	107	107		105	103	105	109
HY 621-6R	104	103	101	103	103	102	101	98	98	103			97	100	108
Chambly						107	105	104	105	107	102	101	100	104	106
AAC Vitality	102	101	101	101	101	106	107	109	111	109	106	106	108	108	106
AAC Montrose											98	97	97	91	98
Marden	103	101	101	104	102	96	93	92	88	96					
Baden	106	106	106	108	104	110	108	108	110	108	104	102	102	104	104
DS8126RB		110	111	111	113		112	112	117	117			107	102	100
AAC Bloomfield							94	96	94	95		104	103	101	104
Sagamie							98	99	95	90					
Doriane								106	108	105			106	104	110
Rafale				103	104			99	96	104			99	102	100
Ariber									103	108				113	116
Massy				103	101				108	112					
Tsunami					104					98					104
Means (t/ha)	4.35	4.40	4.63	4.35	4.49	4.36	4.43	4.99	4.28	4.64	5.16	5.16	5.50	5.69	6.85
Means (bu/ac)	81	82	86	81	84	81	82	93	80	86	96	96	102	106	127
Locations	13	11	9	6	3	11	9	6	3	2	11	8	6	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.

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

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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)	Net[2] Blotch (0-9)	Straw Yield Index
Bornholm	2R	64.7	40.7	62	5.3	61	1.7	90
AAC Purpose	2R	60.0	45.0	77	7.0	61	2.0	122
Champion	2R	62.7	43.6	66	5.7	61	1.0	83
AAC Synergy	2R	59.0	39.6	66	5.3	60	1.7	112
Esma	2R	58.2	37.9	58	6.7	61	1.3	83
KWS Kellie	2R	56.1	36.5	55	8.0	62	2.3	82
AAC Connect	2R	57.6	38.9	62	6.0	61	1.3	103
RGT Planet	2R	57.6	38.1	60	4.3	61	3.3	75
Dignity	6R	57.7	37.9	75	1.7	60	1.3	93
Amberly	6R	59.4	39.4	78	4.0	63	1.0	118
HY 621-6R	6R	58.6	41.6	69	4.7	58	1.7	113
AAC Vitality	6R	53.5	36.1	77	6.3	63	2.7	131
Marden	6R	59.7	40.9	69	2.3	56	1.7	79
Baden	6R	58.2	32.4	58	2.0	60	1.7	81
DS8126RB	6R	56.7	36.4	71	5.3	61	2.0	100
Rafale	6R	60.4	36.6	79	3.7	60	1.3	98
Massy	6R	57.5	38.9	81	2.0	60	3.0	130
Tsunami	6R	57.6	38.3	73	1.7	60	3.7	109
Means		58.6	38.8	69	4.6	60	1.9	6.80 t/ha
Locations		3	3	3	1	3	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.

SPRING BARLEY — AREA III

Varietal Characteristics

Variety	Class[1]	Test Weight (kg/hL)	1000 Kernel Weight(g)	Height (cm)	Heading[3] (days)	Maturity[3] (days)	Straw Yield Index
Bornholm	2R	66.9	44.1	55	61	99	93
AAC Purpose	2R	62.8	51.5	67	62	101	108
Champion	2R	66.6	46.9	53	63	101	140
Corzo	2R	65.2	46.9	65	62	99	108
AAC Synergy	2R	66.1	44.8	62	62	100	104
Esma	2R	64.4	44.0	52	63	101	73
KWS Kellie	2R	63.4	44.2	45	63	99	116
AAC Connect	2R	64.1	45.4	55	62	100	119
RGT Planet	2R	63.8	44.9	53	62	99	132
Dignity	6R	63.9	42.7	63	59	100	89
OCEANIK	6R	62.4	44.4	73	61	100	120
Harmony	6R	63.1	44.4	83	62	102	140
Amberly	6R	63.5	45.8	73	65	103	80
HY 621-6R	6R	62.2	43.7	62	58	101	80
Chambly	6R	61.1	43.3	65	61	103	88
AAC Vitality	6R	60.1	43.6	68	64	102	121
Marden	6R	62.8	44.3	55	57	100	58
Baden	6R	62.1	37.4	58	60	99	73
DS8126RB	6R	62.8	44.1	67	63	101	90
AAC Bloomfield	6R	61.4	41.1	62	60	102	98
Sagamie	6R	63.1	43.8	68	61	101	87
Doriane	6R	64.4	46.2	75	65	103	112
Rafale	6R	64.4	43.2	60	60	102	90
Ariber	6R	61.7	45.6	67	61	101	87
Massy	6R	63.3	43.5	73	61	101	109
Tsunami	6R	62.6	43.7	67	62	102	88
Means		63.4	44.4	63	61	101	2.70 t/ha
Locations		2	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.

SPRING BARLEY — AREA V

Varietal Characteristics

Variety	Class[1]	Test Weight (kg/hL)	1000 Kernel Weight(g)	Height (cm)	Lodging[2] (0-9)	Stem[2] Break (0-9)	Heading[3] (days)	Maturity[3] (days)	Net[2] Blotch (0-9)	Spot[2] Blotch (0-9)	Straw Yield Index
Bornholm	2R	62.4	37.9	63	1.3	4.3	54	96	1.3	3.3	69
AAC Purpose	2R	59.3	41.0	81	6.0	4.7	54	89	3.7	2.0	91
Champion	2R	57.9	37.1	64	4.7	4.7	54	92	1.3	2.3	89
Corzo	2R	62.6	42.6	81	2.3	3.0	54	92	2.3	2.7	108
AAC Synergy	2R	58.6	36.8	68	4.0	2.7	55	91	1.0	2.3	112
Esma	2R	58.5	40.1	59	1.7	3.0	54	94	1.3	3.3	100
KWS Kellie	2R	58.0	32.9	63	2.0	6.0	57	88	2.0	3.0	71
AAC Connect	2R	58.4	33.6	68	4.0	2.7	54	89	1.0	2.3	83
RGT Planet	2R	57.7	35.8	72	2.7	5.3	54	90	1.0	3.3	79
OCEANIK	6R	58.8	36.3	68	3.3	1.7	54	90	3.7	2.3	95
Harmony	6R	62.1	41.1	85	2.0	0.3	54	92	1.7	2.0	130
Amberly	6R	60.8	40.5	72	2.3	0.7	58	95	1.7	2.3	86
HY 621-6R	6R	59.9	38.4	64	2.3	0.0	54	98	2.0	2.7	106
Chambly	6R	59.7	38.8	69	1.0	0.3	54	100	2.3	2.7	107
AAC Vitality	6R	58.3	39.4	66	1.3	0.7	57	92	5.0	1.7	115
AAC Montrose	6R	59.1	38.2	75	3.0	1.0	54	95	1.3	3.7	113
Baden	6R	58.4	31.0	52	2.0	1.3	54	90	1.7	3.3	58
DS8126RB	6R	58.7	38.5	69	3.7	1.7	54	97	1.0	2.3	115
AAC Bloomfield	6R	59.0	36.1	71	3.0	1.3	54	93	1.7	2.3	93
Doriane	6R	59.4	38.0	79	1.3	0.3	57	98	2.3	2.3	117
Rafale	6R	60.0	35.3	68	3.7	1.0	52	97	2.0	2.0	72
Ariber	6R	57.3	36.4	73	2.0	1.0	54	92	2.0	2.0	78
Tsunami	6R	60.4	36.5	68	1.7	0.0	54	96	2.0	3.0	133
Means		59.4	37.5	70	2.7	2.1	54	93	2.0	2.6	3.51 t/ha
Locations		1	1	1	1	1	1	1	1	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.

SPRING WHEAT

Cumulative Yield Index[1] Summary of Areas II, III & V

		Area II					Area III					Area V				
Variety	Class[2]	5 yr[3]	4 yr	3 yr	2 yr	2021	5 yr[3]	4 yr	3 yr	2 yr	2021	5 yr[3]	4 yr	3 yr	2 yr	2021
Furano	HRS						97	96	94	91	88	100	100	101	100	94
MAJOR	HRS						100	100	100	99	100	99	103	105	103	96
Fuzion	HRS						96	95	96	97	96	98	100	99	99	99
Wilkin	HRS	108	105	105	102	94	101	101	99	97	97	98	92	91	91	97
AAC Scotia	HRS-a	96	97	97	98	105	104	102	101	104	106	111	111	111	114	110
TOPAZE	HRS-a										96					
Raven	HRS-a	117	112	113	112	114	108	107	108	104	103	107	106	107	106	102
Ventry	HRS-a	105	104	104	102	101	100	100	100	97	94					
AAC Synox	HRS-a							100	100	102	102		91	89	91	95
Memphre	HRS-a									98	98					
Maida	HRS-a									102	101				112	105
Agora	HRS				94	91				103	101				94	96
AAC Harlaka	HRS-a				97	101				98	97				89	95
Starlite	HRS					96					100					100
Dagon	EFS-a						106	104	104	101	102	101	104	106	109	101
Means (t/ha)		3.96	4.31	4.33	3.94	4.18	3.51	3.66	3.96	3.68	3.76	3.92	4.01	4.18	4.05	3.96
Means (bu/ac)		59	64	64	59	62	52	55	59	55	56	58	60	62	60	59
Locations		12	10	9	6	3	13	10	7	4	3	13	10	7	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.
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.

SPRING WHEAT — AREA II

Varietal Characteristics

Variety	Class[1]	Fusarium Data: Combined[2] Fusarium Rating	Fusarium Data: DON[2] Rating	Fusarium Data: Years	Test Weight (kg/hL)	Protein (%)	1000 Kernel Weight (g)	Lodging[3] (0-9)	Height (cm)	Heading[4] (days)	Mildew[3] (0-9)	Leaf[3] Septoria (0-9)	Stripe[3] Rust (0-9)	Straw Yield Index
Wilkin	HRS	HS	S	6	72.5	14.3	33.4	0.0	80	64	0.6	5.3	0.0	110
AAC Scotia	HRS-a	MR	MR	6	73.6	14.4	41.4	3.3	104	68	0.1	4.2	2.0	88
Raven	HRS-a	MS	S	6	76.0	14.1	42.1	0.0	90	65	0.5	3.1	0.0	113
Ventry	HRS-a	MS	MR	6	75.6	15.6	43.3	0.0	95	63	0.0	4.8	0.0	110
Agora	HRS	S	HS	1	76.2	15.5	38.5	0.0	94	65	5.1	4.8	0.0	83
AAC Harlaka	HRS-a	MS	MR	1	76.0	15.9	42.7	0.0	92	64	1.9	5.8	0.0	97
Starlite	HRS	—	—	—	76.5	15.2	41.8	0.0	95	64	5.7	4.3	0.0	98
Means					75.2	15.0	40.4	0.5	93	65	2.0	4.6	0.3	4.83 t/ha
Locations					3	2	2	2	3	3	3	2	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 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 Index[1] Summary – Intensive Trials

Class[2]	Variety	4-Year Index Fungicides: No	4-Year Index Fungicides: Yes	3-Year Index Fungicides: No	3-Year Index Fungicides: Yes	2-Year Index Fungicides: No	2-Year Index Fungicides: Yes	2021 Index Fungicides: No	2021 Index Fungicides: Yes
hrs	Wilkin	104*	114	102	107	100	104	91	95
	AAC Scotia (awned)	89	95	93	96	94	96	101	105
	Raven (awned)	115	120	112	113	109	110	110	112
	Ventry (awned)	98	105	98	102	97	101	95	100
	Agora					92	99	90	101
	AAC Harlaka (awned)					94	95	97	96
	Starlite							97	101
Means (t/ha)		3.78	4.21	4.26	4.55	3.97	4.18	4.32	4.59
Means (bu/ac)		56	63	63	68	59	62	64	68
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.
2 hrs = hard red spring.
* Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.
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: Combined[2] Fusarium Rating	Fusarium Data: DON[2] Rating	Fusarium Data: Years	Test Weight (kg/hL)	Protein (%)	1000 Kernel Weight (g)	Lodging[3] (0-9)	Height (cm)	Heading[4] (days)	Maturity[4] (days)	Mildew3 (0-9)	Leaf[3] Rust (0-9)	Leaf[3] Septoria (0-9)	Straw Yield Index
Furano	HRS	MR	MR	6	78.3	13.9	35.4	0.0	83	59	106	6.3	1.2	2.0	106
MAJOR	HRS	MR	MR	6	78.6	14.1	38.3	0.0	86	61	106	0.0	0.2	1.1	114
Fuzion	HRS	MS	MS	6	77.4	14.5	36.5	2.7	83	55	104	0.3	1.2	2.6	109
Wilkin	HRS	HS	S	6	76.5	14.0	33.1	0.0	69	53	105	0.3	0.2	5.1	64
AAC Scotia	HRS-a	MR	MR	6	76.9	13.6	39.5	3.3	84	59	104	0.5	1.7	3.1	107
TOPAZE	HRS-a	—	—	—	76.5	14.4	31.5	0.0	84	62	106	0.7	1.5	3.1	110
Raven	HRS-a	MS	S	6	78.1	13.9	38.2	0.0	76	57	104	0.5	0.2	2.8	100
Ventry	HRS-a	MS	MR	6	79.4	15.7	40.0	0.7	79	53	103	0.2	0.0	3.9	74
AAC Synox	HRS-a	MR	MR	3	80.5	15.6	35.1	1.3	77	54	103	0.7	0.3	3.8	91
Memphre	HRS-a	MS	MS	1	78.4	14.2	32.5	0.7	79	58	106	0.8	0.5	2.2	115
Maida	HRS-a	HS	S	1	78.3	14.1	35.1	0.0	85	59	105	0.2	3.2	3.0	118
Agora	HRS	S	HS	1	79.5	15.0	36.6	0.0	81	54	105	0.3	0.7	4.0	101
AAC Harlaka	HRS-a	MS	MR	1	78.8	16.0	36.0	0.0	79	54	103	0.3	0.7	3.8	91
Starlite	HRS	—	—	—	78.8	15.2	38.8	0.0	82	55	104	1.2	1.0	2.1	115
Dagon	EFS-a	MS	MS	4	78.7	14.1	32.7	0.0	71	56	104	0.3	0.0	2.8	86
Means					78.3	14.6	35.9	0.6	80	57	105	0.8	0.8	3.0	2.78 t/ha
Locations					3	3	3	1	3	3	1	2	2	3	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 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 Index[1] Summary – Intensive Trials

Class[2]	Variety	5-Year Index Fungicides: No	5-Year Index Fungicides: Yes	4-Year Index Fungicides: No	4-Year Index Fungicides: Yes	3-Year Index Fungicides: No	3-Year Index Fungicides: Yes	2-Year Index Fungicides: No	2-Year Index Fungicides: Yes	2021 Index Fungicides: No	2021 Index Fungicides: Yes
hrs	Furano	98*	105	100	105	100	104	98	104	98	108
	MAJOR	94	102	95	101	98	102	94	100	95	103
	Fuzion	92	99	94	98	96	99	98	101	96	101
	Wilkin	94	103	98	102	95	100	94	100	92	99
	AAC Scotia (awned)	100	106	98	104	98	104	96	104	97	108
	TOPAZE (awned)									93	99
	Raven (awned)	105	110	105	107	105	105	103	103	103	101
	Ventry (awned)	94	100	96	99	94	97	98	99	92	95
	AAC Synox (awned)			98	102	99	102	98	103	95	102
	Memphre (awned)							98	100	99	104
	Maida (awned)							104	108	102	113
	Agora							102	105	97	103
	AAC Harlaka (awned)							97	98	95	100
	Starlite									94	100
efs	Dagon (awned)	99	106	99	105	100	105	99	104	100	107
Means (t/ha)		4.52	4.97	4.94	5.22	4.98	5.25	4.50	4.80	5.52	6.01
Means (bu/ac)		67	74	74	78	74	78	67	71	82	89
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.

2 hrs = hard red spring, efs = eastern feed spring.

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

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.

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SPRING WHEAT — AREA V

Varietal Characteristics

Variety	Class[1]	Fusarium Data: Combined[2] Fusarium Rating	Fusarium Data: DON[2] Rating	Fusarium Data: Years	Test Weight (kg/hL)	Protein (%)	1000 Kernel Weight (g)	Height (cm)	Heading[4] (days)	Maturity[4] (days)	Straw Yield Index
Furano	HRS	MR	MR	6	73.9	13.4	31.1	87	61	97	111
MAJOR	HRS	MR	MR	6	71.7	13.4	31.6	89	61	100	134
Fuzion	HRS	MS	MS	6	75.1	14.0	31.5	91	57	95	117
Wilkin	HRS	HS	S	6	75.9	13.8	30.3	69	56	93	62
AAC Scotia	HRS-a	MR	MR	6	75.7	13.8	34.4	90	59	99	97
Raven	HRS-a	MS	S	6	75.9	13.8	32.7	80	59	99	97
AAC Synox	HRS-a	MR	MR	3	79.4	16.0	29.9	84	58	96	89
Maida	HRS-a	HS	S	1	76.5	14.1	34.1	90	57	99	102
Agora	HRS	S	HS	1	76.7	15.0	31.3	84	57	97	101
AAC Harlaka	HRS-a	MS	MR	1	77.5	15.8	31.3	83	57	94	78
Starlite	HRS	—	—	—	77.3	14.1	33.3	86	57	95	113
Dagon	EFS-a	MS	MS	4	76.4	13.0	27.9	72	59	99	98
Means					76.0	14.2	31.6	84	58	97	3.37 t/ha
Locations					2	1	2	2	2	2	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 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 Index[1] Summary – Intensive Trials

Class[2]	Variety	5-Year Index Fungicides: No	5-Year Index Fungicides: Yes	4-Year Index Fungicides: No	4-Year Index Fungicides: Yes	3-Year Index Fungicides: No	3-Year Index Fungicides: Yes	2-Year Index Fungicides: No	2-Year Index Fungicides: Yes	2021 Index Fungicides: No	2021 Index Fungicides: Yes
hrs	Furano	98*	102	96	104	95	105	90	105	80	101
	MAJOR	101	99	103	104	104	105	100	106	87	100
	Fuzion	94	102	97	102	94	100	88	98	87	102
	Wilkin	97	100	87	91	88	92	85	92	93	103
	AAC Scotia (awned)	111	120	115	122	114	123	115	131	108	133
	Raven (awned)	107	105	103	104	104	104	99	103	92	100
	AAC Synox (awned)			90	89	89	88	92	92	94	98
	Maida (awned)							118	117	104	111
	Agora							89	92	91	97
	AAC Harlaka (awned)							84	88	87	98
	Starlite									102	104
efs	Dagon (awned)	99	104	104	106	105	107	105	110	94	105
Means (t/ha)		3.82	3.99	3.8	3.89	4.15	4.24	4.16	4.43	4.38	4.95
Means (bu/ac)		57	59	57	58	62	63	62	66	65	74
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.
2 hrs = hard red spring, efs = eastern feed spring.
* Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.
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.
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Varietal Characteristics

Variety	Fusarium Data: Combined[1] Fusarium Rating	Fusarium Data: DON[1] Rating	Fusarium Data: Years	Test Weight (kg/hL)	Protein (%)	1000 Kernel Weight (g)	Lodging[2] (0-9)	Height (cm)	Heading[3] Date (JD)	Maturity[3] Date (JD)	Powdery[2] Mildew (0-9)	Leaf[2] Rust (0-9)	Leaf[2] Septoria (0-9)	Septoria[2] Glume Blotch (0-9)
Ava	MS	MS	6	72.2	11.4	31.2	5.0	97	150	186	4.0	2.8	2.1	1.0
25W381	S	S	2	68.2	11.6	31.2	0.5	82	148	185	0.8	3.5	1.6	2.0
Branson	S	MS	6	73.0	11.8	30.7	3.3	82	146	183	4.3	2.8	2.1	2.3
CM614	MS	MS	6	74.4	11.9	34.3	5.3	92	147	186	5.3	2.0	3.3	2.0
Secord	S	S	6	73.4	11.4	34.0	2.8	92	146	184	4.0	3.8	3.0	2.8
25R40	S	S	6	73.8	11.6	33.3	0.5	79	147	185	2.0	2.3	2.4	1.5
Marker	MS	MS	6	72.1	11.2	27.1	4.3	90	148	185	4.8	2.8	2.0	1.8
UGRC Ring	MS	MR	6	70.8	11.6	30.8	3.7	90	146	185	6.3	3.0	3.1	1.8
Cruze	MS	MR	6	74.5	12.0	30.6	3.9	83	147	186	5.3	4.0	2.8	2.0
DS572SRW	S	S	6	75.1	11.7	38.0	6.6	93	148	185	1.8	3.5	1.8	1.8
B654SRW	S	MS	5	74.0	10.7	32.7	2.2	91	147	183	6.8	2.5	2.9	2.5
25R61	MS	MS	4	72.0	12.0	29.5	1.2	87	147	184	6.8	5.0	2.5	1.8
25R74	MR	MR	4	72.6	11.9	26.6	1.6	79	146	185	1.3	2.8	2.6	1.5
Blaze	MS	MS	3	73.7	11.8	34.8	3.5	90	148	184	2.3	1.8	2.6	2.5
Hilliard	MS	MS	2	73.0	11.8	29.8	2.3	87	146	185	2.3	2.8	2.6	2.3
OAC Constellation	MS	MR	1	74.8	11.9	32.9	2.4	82	146	183	1.5	1.5	3.1	4.0
AC Morley	MS	MS	6	76.6	13.4	33.6	5.0	104	150	185	2.8	0.5	1.9	1.3
PRO 81	MS	MS	3	77.4	13.5	33.0	2.2	91	148	186	1.5	1.3	2.1	1.5
Adrianus	HS	HS	2	76.6	12.7	39.0	0.3	89	150	187	2.8	2.8	2.3	1.5
Means				73.6	11.9	32.3	3.0	88	147	185	3.5	2.7	2.5	2.0
Locations				3	3	3	3	3	2	2	1	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 and maturity may vary from year to year and should only be used to indicate relative differences.

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FIELD NOTES

WINTER WHEAT — AREA I *(continued)*

Cumulative Yield Index[1]

Class[2]	Variety	4 year	3 year	2 year	2021
sww	Ava	97*	96	96	93
	25W38 (awned)Ⓟ			107	109
srw	Branson♢	101	100	98	96
	CM614	98	96	93	94
	Secord (awned)	103	102	101	101
	25R40 (awned)♢	106	104	104	106
	Marker	101	100	98	97
	UGRC Ring (awned)Ⓟ	101	100	99	96
	Cruze (awned)	99	98	97	95
	DS572SRWⓅ	107	107	106	102
	B654SRWⓅ	101	101	99	97
	25R61 (awned)Ⓟ	101	102	100	99
	25R74 (awned)Ⓟ	105	105	105	104
	Blaze (awned)		104	106	102
	Hilliard (awned)Ⓟ			106	111
	OAC Constellation (awned)Ⓟ			102	106
hrw	AC Morley	88	86	80	88
	PRO 81 (awned)Ⓟ		101	103	101
	Adrianus (awned)Ⓟ			109	110
Means (t/ha)		6.19	6.17	6.61	6.77
Means (bu/ac)		92	92	98	101
Location-Years		12	9	6	3

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

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

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Cumulative Yield Index[1] Summary – Intensive Trials

		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2021 Index Fungicides	
Class[2]	**Variety**	**No**	**Yes**	**No**	**Yes**	**No**	**Yes**	**No**	**Yes**
sww	Ava	95	98	95	97	94	97	90	93
	25W38 (awned)🅟					105	110	107	115
srw	Branson🅟	99	103	98	102	95	101	93	102
	CM614	97	102	95	101	90	99	91	101
	Secord (awned)	101	105	101	104	101	104	98	101
	25R40 (awned)🅟	104	107	103	105	102	107	103	110
	Marker	99	102	98	100	95	99	94	98
	UGRC Ring (awned)🅟	99	102	98	99	96	99	93	99
	Cruze (awned)	98	103	96	102	95	103	91	100
	DS572SRW🅟	104	107	105	106	103	105	99	102
	B654SRW🅟	99	102	99	102	96	101	94	101
	25R61 (awned)🅟	97	105	99	103	96	102	96	104
	25R74 (awned)🅟	102	105	103	105	102	107	102	107
	Blaze (awned)			103	106	104	109	99	106
	Hilliard (awned)🅟					104	108	108	113
	OAC Constellation (awned)🅟					101	106	103	109
hrw	AC Morley	88	90	87	88	81	81	85	82
	PRO 81 (awned)🅟			100	102	101	103	98	101
	Adrianus (awned)🅟					108	111	107	112
Means (t/ha)		6.08	6.39	6.01	6.21	6.44	6.76	6.77	7.24
Means (bu/ac)		91	95	89	92	96	101	101	108
Location-Years			11		8		5		3

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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 I & II COMBINED

Cumulative Yield Index[1]

Class[2]	Variety	5 year	4 year	3 year	2 year	2021
sww	Ava	100*	99	98	99	97
	25W38 (awned)Ⓟ			107	107	109
srw	Branson◉	103	100	99	98	98
	CM614	103	102	100	100	101
	Secord (awned)	102	102	102	102	103
	25R40 (awned)◉	106	103	103	103	105
	Marker	102	101	100	100	98
	UGRC Ring (awned)Ⓟ	102	101	101	101	97
	Cruze (awned)	98	97	97	97	94
	DS572SRWⓅ	105	108	108	108	105
	B654SRWⓅ	104	100	100	99	98
	25R61 (awned)Ⓟ	98	100	98	99	96
	25R74 (awned)Ⓟ	104	101	100	100	100
	Blaze (awned)		103	104	104	102
	Hilliard (awned)Ⓟ			107	107	111
	OAC Constellation (awned)Ⓟ			103	102	103
hrw	AC Morley	90	87	83	82	93
	PRO 81 (awned)Ⓟ		103	103	103	104
	Adrianus (awned)Ⓟ			106	107	108
Means (t/ha)		6.26	6.48	6.66	6.68	6.43
Means (bu/ac)		93	96	99	99	96
Location-years		27	20	14	13	7

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

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Cumulative Yield Index[1] Summary – Intensive Trials

		5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2021 Index Fungicides	
Class[2]	**Variety**	**No**	**Yes**	**No**	**Yes**	**No**	**Yes**	**No**	**Yes**	**No**	**Yes**
sww	Ava	95*	102	96	101	94	101	95	101	92	99
	25W38 (awned)Ⓟ					104	110	104	111	106	114
srw	Branson◎	100	106	98	104	95	103	94	103	93	105
	CM614	98	106	98	105	96	104	96	104	96	105
	Secord (awned)	98	107	99	105	98	104	99	105	97	104
	25R40 (awned)◎	103	109	101	105	99	106	100	106	101	109
	Marker	98	105	98	103	95	103	96	102	93	101
	UGRC Ring (awned)Ⓟ	96	105	96	101	95	101	95	99	91	99
	Cruze (awned)	94	105	95	103	94	104	94	103	91	102
	DS572SRWⓅ	102	111	106	108	106	108	106	108	102	106
	B654SRWⓅ	101	108	99	106	97	105	96	104	94	105
	25R61 (awned)Ⓟ	94	106	97	105	93	104	94	103	92	104
	25R74 (awned)Ⓟ	101	107	99	104	97	105	98	105	98	106
	Blaze (awned)			101	108	102	110	103	111	99	110
	Hilliard (awned)Ⓟ					104	108	104	108	107	113
	OAC Constellation (awned)Ⓟ					100	105	100	105	100	107
hrw	AC Morley	89	93	87	89	83	84	82	83	87	87
	PRO 81 (awned)Ⓟ			100	102	101	103	102	104	99	102
	Adrianus (awned)Ⓟ					105	108	106	109	105	109
Means (t/ha)		6.03	6.61	6.27	6.66	6.48	7.00	6.50	6.97	6.65	7.29
Means (bu/ac)		90	98	93	99	96	104	97	104	99	108
Location-years			19		13		9		8		5

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FIELD NOTES

WINTER WHEAT — AREA II

Varietal Characteristics

Variety	Fusarium Data: Combined Fusarium Rating[1]	Fusarium Data: DON Rating[1]	Fusarium Data: Years	Test Weight (kg/hL)	Protein (%)	1000 Kernel Weight (g)	Lodging[2] (0-9)	Height (cm)	Heading[3] Date (JD)	Maturity[3] Date (JD)	Powdery[2] Mildew (0-9)	Leaf[2] Rust (0-9)	Leaf[2] Septoria (0-9)	Stripe[2] Rust (0-9)	Straw Yield Index
Ava	MS	MS	6	74.9	10.9	35.2	3.0	102	157	192	4.0	5.0	4.0	2.7	102
25W38	S	S	2	72.6	11.4	33.7	0.9	80	154	193	0.6	6.0	3.0	2.0	106
Branson	S	MS	6	74.7	10.8	34.4	3.8	86	153	188	3.8	4.0	3.8	3.0	68
CM614	MS	MS	6	75.1	11.4	35.7	5.5	94	155	191	3.3	3.3	3.8	4.0	115
Secord	S	S	6	75.2	11.5	36.8	2.5	94	154	188	3.2	2.0	4.3	1.0	79
25R40	S	S	6	73.4	11.5	35.6	1.5	79	155	191	2.3	5.7	3.5	2.7	81
Emperor	MS	MR	6	74.2	11.4	31.9	3.6	99	154	192	4.5	6.0	4.5	5.7	86
Marker	MS	MS	6	71.8	10.9	29.3	5.3	89	155	191	3.6	4.0	3.5	3.3	85
UGRC Ring	MS	MR	6	72.5	10.8	33.8	4.9	92	155	190	4.3	6.3	3.8	3.3	91
UGRC C2-5	MR	MS	3	71.9	10.6	38.5	2.9	100	158	195	3.1	5.3	3.8	4.7	132
Cruze	MS	MR	6	74.9	11.6	31.4	4.3	83	155	193	3.8	4.7	4.5	2.7	78
DS572SRW	S	S	6	76.2	11.8	43.7	4.9	100	155	191	1.1	6.0	3.3	4.3	126
UGRC GL164	S	S	3	73.0	11.1	31.4	5.9	88	154	190	3.1	3.3	4.0	6.0	97
B654SRW	S	MS	5	73.9	10.3	34.4	3.8	98	155	190	4.5	3.0	5.3	3.3	74
25R61	MS	MS	4	72.6	11.3	31.3	1.9	90	155	193	4.0	3.0	4.0	4.7	73
25R74	MR	MR	4	74.3	11.3	30.0	2.0	79	154	193	2.1	4.3	2.8	1.7	66
Blaze	MS	MS	3	74.7	11.2	37.4	2.8	91	155	192	3.0	3.7	3.5	2.0	77
Hilliard	MS	MS	2	73.6	11.3	34.0	2.1	88	155	192	0.7	3.3	3.5	1.7	99
OAC Constellation	MS	MR	1	74.7	11.1	33.7	3.4	85	154	186	1.2	3.0	4.3	4.0	74
AC Morley	MS	MS	6	76.4	12.4	35.6	4.4	112	156	189	2.1	2.0	3.0	3.0	157
Lexington	MS	MS	3	78.3	13.6	47.5	1.9	93	155	189	3.5	4.7	4.5	1.7	89
PRO 81	MS	MS	3	78.5	13.2	35.0	3.4	100	156	189	0.7	3.0	3.0	1.7	126
Adrianus	HS	HS	2	76.7	13.1	45.1	0.9	93	158	194	0.8	3.0	3.8	1.3	159
Montcalm	—	—	—	75.4	13.1	37.7	5.4	105	155	188	1.7	2.7	4.0	2.3	136
Frontenac	MS	MR	4	75.3	12.3	36.6	7.9	105	155	188	2.4	2.7	3.8	0.7	125
Means				74.6	11.6	35.6	3.6	93	155	191	2.7	4.0	3.8	2.9	5.19t/ha
Locations				4	2	4	4	3	3	1	3	1	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 and maturity may vary from year to year and should only be used to indicate relative differences.

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FIELD NOTES

Cumulative Yield Index[1]

Class[2]	Variety	5 year	4 year	3 year	2 year	2021
sww	Ava	103*	102	100	100	100
	25W38 (awned)🛡			106	107	108
srw	Branson🛡	105	100	100	99	99
	CM614	106	107	105	106	106
	Secord (awned)	101	101	102	103	104
	25R40 (awned)🛡	106	102	102	102	103
	Emperor🛡	94	97	96	95	92
	Marker	102	101	101	101	98
	UGRC Ring (awned)🛡	103	102	102	102	98
	Cruze (awned)	97	97	97	97	94
	DS572SRW🛡	104	108	110	110	108
	B654SRW🛡	106	100	100	99	99
	25R61 (awned)🛡	96	99	97	97	93
	25R74 (awned)🛡	104	99	97	97	97
	Blaze (awned)		103	103	103	102
	Hilliard (awned)🛡			107	107	111
	OAC Constellation (awned)🛡			103	103	101
	UGRC GL164					100
	UGRC C2-5					98
hrw	AC Morley	92	89	85	83	97
	Lexington (awned)🛡		98	99	99	101
	PRO 81 (awned)🛡		104	104	104	106
	Adrianus (awned)🛡			104	105	106
	Montcalm					95
efw	Frontenac		102	100	99	97
Means (t/ha)		6.31	6.71	6.69	6.74	6.23
Means (bu/ac)		94	100	100	100	93
Location-Years		15	11	8	7	4

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

* Cultivar yield rankings 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 PBR78. Visit pbrfacts.ca to learn more.

WINTER WHEAT — AREA II *(continued)*

Cumulative Yield Index[1] Summary – Intensive Trials

		5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2021 Index Fungicides	
Class[2]	**Variety**	**No**	**Yes**	**No**	**Yes**	**No**	**Yes**	**No**	**Yes**	**No**	**Yes**
sww	Ava	96*	109	97	108	95	107	97	107	97	107
	25W38 (awned)Ⓟ					103	110	104	112	105	113
srw	Branson㊙	101	111	97	107	95	107	92	106	92	110
	CM614	99	111	103	111	102	110	104	111	102	110
	Secord (awned)	93	109	96	106	95	105	97	106	97	107
	25R40 (awned)㊙	100	112	97	104	96	105	97	103	98	108
	EmperorⓅ	87	105	96	104	94	103	93	102	89	101
	Marker	97	111	98	108	96	108	98	107	93	105
	UGRC Ring (awned)Ⓟ	94	108	93	103	92	102	91	100	89	99
	UGRC C2-5									96	104
	Cruze (awned)	89	107	92	104	92	104	92	104	91	104
	DS572SRWⓅ	98	116	108	112	109	112	109	112	108	113
	UGRC GL164									99	104
	B654SRWⓅ	104	116	100	112	98	111	96	110	93	111
	25R61 (awned)Ⓟ	88	109	93	107	91	106	91	106	87	103
	25R74 (awned)Ⓟ	99	108	94	103	91	103	90	101	91	105
	Blaze (awned)			99	110	99	112	100	114	98	115
	Hilliard (awned)Ⓟ					103	108	103	108	107	113
	OAC Constellation (awned)Ⓟ					98	104	97	103	96	104
hrw	AC Morley	89	96	87	90	86	89	83	85	90	95
	Lexington (awned)Ⓟ			94	101	94	103	94	103	94	106
	PRO 81 (awned)Ⓟ			100	103	101	103	103	105	100	104
	Adrianus (awned)Ⓟ					100	103	102	105	101	104
	Montcalm									88	93
efw	Frontenac			95	101	94	99	91	98	89	97
Means (t/ha)		5.96	6.89	6.64	7.30	6.53	7.24	6.60	7.27	6.52	7.35
Means (bu/ac)		89	102	99	109	97	108	98	108	97	109
Location-Years			8		5		4		3		2

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

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

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 or PBR78. Visit pbrfacts.ca to learn more.

2021 VARIETIES SELECTED

	Variety	Variety	Variety

Seeding date:

Harvest date:

Yield:

2021: TOP PICKS

Varietal Characteristics

Variety	Fusarium Data: Combined[1] Fusarium Rating	Fusarium Data: DON[1] Rating	Fusarium Data: Years	Test Weight (kg/hL)	Protein %	1000 Kernel Weight (g)	Winter Survival (%)	Lodging[2] (0-9)	Heading[2] Height (cm)	Maturity[2] Date (JD)	Straw Date (JD)	Yield Index
Branson	S	MS	6	72.9	11.8	31.1	96	2.0	86	147	178	79
CM614	MS	MS	6	74.1	11.3	33.9	97	2.4	91	150	183	93
Secord	S	S	6	73.5	11.5	34.2	96	2.4	93	150	181	99
25R40	S	S	6	72.3	11.8	32.0	95	1.4	76	151	181	85
Marker	MS	MS	6	71.9	11.2	26.1	96	0.9	86	150	182	98
UGRC Ring	MS	MR	6	70.8	11.4	32.0	97	1.2	90	149	181	104
UGRC C2-5	MR	MS	3	73.6	11.6	38.0	97	2.0	94	153	185	100
DS572SRW	S	S	6	75.4	11.4	40.5	97	3.3	100	151	183	98
UGRC GL164	S	S	3	74.8	11.6	26.4	94	1.9	86	148	181	94
Measure	MS	MR	4	76.8	12.8	34.7	97	2.5	105	151	182	120
B654SRW	S	MS	5	73.0	11.4	31.8	97	2.4	96	149	180	91
25R61	MS	MS	4	71.4	12.0	29.8	95	0.4	88	150	180	112
25R74	MR	MR	4	72.3	11.9	25.6	97	0.4	77	148	180	85
Blaze	MS	MS	3	75.4	12.0	35.7	96	1.5	89	152	183	115
OAC Constellation	MS	MR	1	73.7	11.8	29.8	96	0.8	82	149	180	99
Gallus	S	S	6	76.6	13.1	37.8	96	0.7	88	151	182	99
Lexington	MS	MS	3	77.5	13.2	42.1	96	1.5	91	151	181	104
PRO 81	MS	MS	3	79.1	13.2	32.4	96	1.1	91	152	183	124
Adrianus	HS	HS	2	75.8	12.4	38.1	95	0.3	89	153	182	83
Montcalm	—	—	—	75.9	13.0	36.1	96	2.1	103	150	182	105
Frontenac	MS	MR	4	75.0	12.3	35.1	96	3.7	101	150	181	114
Means				74.4	12.0	33.5	96	1.7	91	150	181	4.50t/ha
Locations				3	3	3	3	3	3	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.
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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.

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FIELD NOTES

WINTER WHEAT – Area III *(continued)*

Cumulative Yield Index[1]

Class[2]	Variety	4 year	3 year	2 year	2021
srw	Branson	104*	102	103	102
	CM614	101	103	103	103
	Secord (awned)	101	101	100	100
	Marker	101	100	98	98
	UGRC Ring (awned)	105	104	107	104
	DS572SRW	102	103	102	100
	Measure (awned)	96	95	94	92
	B654SRW	106	104	102	101
	Blaze (awned)		102	102	102
	25R40 (awned)			102	102
	UGRC GL164			100	100
	25R61 (awned)			102	103
	25R74 (awned)			101	101
	UGRC C2-5			103	104
	OAC Constellation (awned)			100	101
hrw	Gallus (awned)	98	97	95	95
	Lexington (awned)		100	100	99
	PRO 81 (awned)		99	98	99
	Adrianus (awned)			102	105
	Montcalm				96
efw	Frontenac		101	100	99
Means (t/ha)		7.13	7.25	7.23	7.95
Means (bu/ac)		106	108	108	118
Location-Years		9	7	4	3

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2021 VARIETIES SELECTED

	Variety	Variety	Variety

Seeding date:

Harvest date:

Yield:

2021: TOP PICKS

Cumulative Yield Index[1] Summary – Intensive Trials

Class[2]	Variety	3-Year Index Fungicides		2-Year Index Fungicides		2021 Index Fungicides	
		No	Yes	No	Yes	No	Yes
srw	Branson	106*	109	106	107	102	106
	CM614	94	98	103	102	100	106
	Secord (awned)	98	99	99	97	98	98
	25R40 (awned)	102	107	104	104	102	105
	Marker	101	101	98	97	97	98
	UGRC Ring (awned)	108	111	111	111	105	106
	UGRC C2-5			102	100	102	102
	DS572SRW	103	103	100	102	90	98
	UGRC GL164	103	104	102	101	102	104
	Measure (awned)	96	98	96	98	90	94
	B654SRW	102	107	102	105	94	99
	25R61 (awned)	104	107	104	104	104	109
	25R74 (awned)	103	102	99	100	99	104
	Blaze (awned)			103	98	101	101
	OAC Constellation (awned)			99	97	101	102
hrw	Gallus (awned)	95	98	93	95	91	99
	Lexington (awned)			102	101	97	100
	PRO 81 (awned)			97	99	100	100
	Adrianus (awned)			96	95	99	100
	Montcalm					97	99
efw	Frontenac			103	103	99	98
Means (t/ha)		6.36	6.56	6.10	6.06	6.72	6.96
Means (bu/ac)		95	98	91	90	100	103
Location-Years		3		2		1	

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FIELD NOTES

WINTER WHEAT — AREA V

Varietal Characteristics

Variety	Fusarium Data: Combined[1] Fusarium Rating	Fusarium Data: DON[1] Rating	Fusarium Data: Years	Test Weight (kg/hL)	Protein %	1000 Kernel Weight (g)	Winter Survival (%)	Lodging[2] (0-9)	Height (cm)	Heading[3] Date (JD)	Maturity[3] Date (JD)	Straw Yield Index
Branson	S	MS	6	74.9	11.2	30.4	94	0.8	76	157	197	94
CM614	MS	MS	6	76.4	10.8	33.9	93	1.6	76	159	200	101
25R40	S	S	6	75.1	10.2	32.7	93	0.1	64	161	199	85
Marker	MS	MS	6	74.8	10.8	28.0	93	1.6	76	157	200	97
UGRC C2-5	MR	MS	3	74.6	10.5	33.5	95	2.5	86	163	201	146
DS572SRW	S	S	6	77.7	10.6	37.8	96	1.9	85	159	200	113
UGRC GL164	S	S	3	76.0	10.6	25.7	94	1.1	75	160	197	85
Measure	MS	MR	4	76.6	13.2	32.5	94	0.6	77	158	198	105
B654SRW	S	MS	5	75.2	9.9	31.9	94	0.6	84	157	200	87
25R61	MS	MS	4	75.4	11.3	29.8	94	0.3	76	159	197	93
25R74	MR	MR	4	74.6	11.4	26.6	95	0.3	68	157	197	92
Blaze	MS	MS	3	75.2	11.0	32.7	94	0.3	78	160	200	96
Lexington	MS	MS	3	76.9	13.1	39.0	95	0.5	81	161	201	109
PRO 81	MS	MS	3	78.0	13.1	31.0	89	0.3	79	162	201	97
Adrianus	HS	HS	2	77.2	12.1	37.1	93	0.0	72	163	201	113
Montcalm	—	—	—	76.1	12.6	35.4	91	1.4	86	161	199	94
Frontenac	MS	MR	4	76.5	11.9	36.4	93	2.5	88	159	197	94
Means				76.0	11.4	32.6	93	1.0	78	160	199	4.01t/ha
Locations				2	1	2	1	2	2	2	2	2

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DON Ratings are based only on DON levels from inoculated provincial trials.
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Cumulative Yield Index[1]

Class[2]	Variety	3 year	2 year	2021
srw	CM614	99*	99	98
	Marker	107	105	105
	Blaze (awned)	103	101	102
	Branson		101	101
	DS572SRW		103	106
	Measure (awned)		102	105
	B654SRW		108	111
	25R40 (awned)			107
	UGRC C2-5			115
	UGRC GL164			106
	25R61 (awned)			103
	25R74 (awned)			94
hrw	Lexington (awned)	91	95	92
	PRO 81 (awned)	103	97	88
	Adrianus (awned)		97	92
	Montcalm			89
efw	Frontenac	103	100	99
Means (t/ha)		6.78	7.40	6.66
Means (bu/ac)		101	110	99
Location-Years		5	4	2

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Cumulative Yield Index[1] Summary – Intensive Trials

Class[2]	Variety	2-year Index Fungicides No	2-year Index Fungicides Yes	2021 Index Fungicides No	2021 Index Fungicides Yes
srw	Branson	98*	105	97	105
	CM614	98	101	100	102
	25R40 (awned)			109	113
	Marker	103	104	100	105
	UGRC C2-5			101	107
	DS572SRW	103	106	104	102
	UGRC GL164			102	107
	Measure (awned)	98	100	99	100
	B654SRW	103	107	103	111
	25R61 (awned)			103	106
	25R74 (awned)			96	104
	Blaze (awned)	101	104	97	106
hrw	Lexington (awned)	100	101	98	101
	PRO 81 (awned)	98	95	90	88
	Adrianus (awned)	96	97	89	93
	Montcalm			87	93
	Frontenac	96	96	96	94
Means (t/ha)		8.47	8.70	7.63	7.97
Means (bu/ac)		126	129	114	119
Location-Years		2		1	

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

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

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 or PBR78. Visit pbrfacts.ca to learn more.

Distributor Contacts for Listed Varieties in Seed Ontario 2022

Look up variety within the correct CROP KIND to find the company, then look for company phone number in the box at bottom of section.

Oats

Hulled

OAC Markdale	Rosebank Seed Farms Ltd.
RC Amaze	Rosebank Seed Farms Ltd.
Avatar	Pedigrain
Hidalgo	Synagri
Vitality	Synagri
AAC Bullet	SeCan Association
CDC Orrin	Semican Inc
AAC Richmond	Semican Inc
AAC Oaklin	C & M Seeds
Akina	Elite Seeds
AAC Nicolas	SeCan Association
AAC Banner	SeCan Association
Kalio	Elite Seeds
AAC Chandler	SeCan Association
AAC Stature	SeCan Association
AAC Reid	Alliance Agri-Turf
Alise	Marc Bercier Cleaning Inc
Orford	Semican Inc
Mistral	Synagri

Spring Barley

2 Row

Bornholm	Alliance Agri-Turf/Beatty Seeds/ Snobelen Farms
AAC Purpose	Snobelen Farms Ltd
Champion	Semican Inc
Corzo	Elite Seeds
AAC Synergy	Semican Inc
Esma	SeCan Association
KWS Kellie	Cribit Seeds
AAC Connect	Semican Inc
RGT Planet	Semican Inc

6 Row

Dignity	SeCan Association
OCEANIK	Synagri
Harmony	Synagri
Amberly	Rosebank Seed Farms Ltd.
HY 621-6R	Alliance Agri-Turf/Beatty Seeds/ Snobelen Farms
Chambly	Semences Prograin Inc
AAC Vitality	Advantage Seed Growers
AAC Montrose	SeCan Association
Marden	SeCan Association
Baden	SeCan Association
DS8126RB	Alliance Agri-Turf/Beatty Seeds/ Snobelen Farms
AAC Bloomfield	Elite Seeds
Sagamie	Pedigrain
Doriane	Elite Seeds
Rafale	Semican Inc
Ariber	Marc Bercier Cleaning Inc
Massy	Snobelen Farms Ltd
Tsunami	Semican Inc

Spring Wheat

Hard Red Spring Wheat

Furano	C & M Seeds
MAJOR	Synagri
Fuzion	Semences Prograin Inc
Wilkin	C & M Seeds
AAC Scotia (awned)	Semican Inc
TOPAZE (awned)	Pedigrain
Raven (awned)	C & M Seeds
Ventry (awned)	SeCan Association
AAC Synox (awned)	Synagri
Memphre (awned)	Pedigrain
Maida (awned)	Elite Seeds
Agora	Semican Inc
AAC Harlaka (awned)	Semican Inc
Starlite	Snobelen Farms/Marc Bercier Cleaning Inc

Eastern Feed Spring Wheat

Dagon (awned)	Elite Seeds

Winter Wheat

Soft White Winter

Ava	Brevant Seeds
25W38 (awned)	Pioneer Seeds

Soft Red Winter

Branson	Brevant Seeds
CM614	C & M Seeds
Secord (awned)	SeCan Association
25R40 (awned)	Pioneer Seeds
Emperor	SeCan Association
Marker	Snobelen Farms
UGRC Ring (awned)	Elite Seeds
UGRC C2-5	Semican Inc
Cruze (awned)	C & M Seeds
DS572SRW	Brevant Seeds
UGRC GL164	Semican Inc
Measure (awned)	Snobelen Farms
B654SRW	Brevant Seeds
25R61 (awned)	Pioneer Seeds
25R74 (awned)	Pioneer Seeds
Blaze (awned)	C & M Seeds
Hilliard (awned)	C & M Seeds
OAC Constellation (awned)	SeCan Association

Eastern Feed Winter

AC Morley	Advantage Seed Growers
Gallus (awned)	C & M Seeds
Lexington (awned)	C & M Seeds
PRO 81 (awned)	C & M Seeds
Adrianus (awned)	C & M Seeds
Montcalm	Semican Inc
Frontenac	Semican Inc

DISTRIBUTOR	PHONE NUMBER
Advantage Seed Growers	1-519-440-6406
Alliance Agri-Turf	1-800-268-4425
Beatty Seeds	1-613-393-2333
Brevant Seeds	1-519-359-3934
C&M Seeds	1-888-733-9432
Cribit Seeds	1-519-664-3701
Elite Seeds	1-519-282-6701
Marc Bercier Cleaning Inc.	1-613-524-2981
Pedigrain	1-819-347-7502
Pioneer Hi-Bred	1-800-265-9435
Rosebank Seed Farms Inc.	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	1-519-528-2092
Synagri	1-450-799-3226

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 BANNER♻

Lindsay; Hickson, Joseph	705-878-8200			C
Lucknow; Snobelen, Mike & Sam	519-528-2092		R	
New Liskeard; Labonte Seed	705-647-3129			C

AAC BLAKE♻

Cobden; Stone, Reuben & Keanan	613-646-9737	S	F	

AAC BULLET

Bath; Miller Seed Farm	613-483-9423		R	C
Branchton; Szentimrey, Peter	519-620-1100	F	R	
Chesley; Mcdonald, Jamie	519-377-0548			C
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 & Sam	519-528-2092		R	C
Palmerston; Connell, Dale A	519-343-2626			C
Ripley; Courtney Grain And Seed (2015) Ltd	519-395-2972		R	C
Staffa; Rosebank Seed Farms Ltd	519-345-2697		R	
West Montrose; Cribit Seeds	519-664-3701		R	
Westmeath; Reaburn, Larry J	613-582-3550			C

AAC NICOLAS♻

Kenabeek; Mc Lean, Marc	705-648-3090		R	
New Liskeard; Phillips, Jack & Terry	705-563-8375			C

AAC OAKLIN

Palmerston; Connell, Dale A	519-343-2626			C

AAC REID♻

Thornton; Alliance Agri-Turf	800-971-4870		F	
West Montrose; Cribit Seeds	519-664-3701	S	F	R

AAC ROSKENS

Ripley; Courtney Grain And Seed (2015) Ltd	519-395-2972			C

AAC STATURE♻

Ripley; Courtney Grain And Seed (2015) Ltd	519-395-2972			C

ALISE

St. Isidore; Bercier, Marc & Guillaume (On)	613-524-2981		R	

CDC HAYMAKER♻

Emo; Schraa, David	807-482-2420			C

CS CAMDEN♻

Winnipeg; Canterra Seeds Ltd.	204-988-9750	S		C

EVERLEAF 126

Lucknow; Snobelen, Mike & Sam	519-528-2092		R	

MANOTICK

Bath; Miller Seed Farm	613-483-9423		R	

ORE3541M♻

Emo; Schraa, David	807-482-2420		R	

ORFORD

Lindsay; Hickson, Joseph	705-878-8200			C

RC AMAZE

Staffa; Rosebank Seed Farms Ltd	519-345-2697		F	

SHADOW

Cobden; Stone, Reuben & Keanan	613-646-9737	S		R

SPRING BARLEY

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AAC MONTROSE♻

New Liskeard; Labonte Seed	705-647-3129		F	

AAC PURPOSE♻

Lucknow; Snobelen, Mike & Sam	519-528-2092		R	

AAC VITALITY♻

Lindsay; Hickson, Joseph	705-878-8200		R	
Lucknow; Snobelen, Mike & Sam	519-528-2092		R	

AMBERLY

Staffa; Rosebank Seed Farms Ltd	519-345-2697		R	C

ARIBER♻

St. Isidore; Bercier, Marc & Guillaume (On)	613-524-2981		R	

BADEN

Branchton; Szentimrey, Peter	519-620-1100		F	
New Liskeard; Phillips, Jack & Terry	705-563-8375			C

BORNHOLM

Lucknow; Snobelen, Mike & Sam	519-528-2092		F	C

CHAMBLY

Emo; Schraa, David	807-482-2420		R	

SPRING BARLEY

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CONESTOGO

Palmerston; Connell, Dale A	519-343-2626	F		

DIGNITY

Bath; Miller Seed Farm	613-483-9423		R	C
Lindsay; Hickson, Joseph	705-878-8200		R	C
Lucknow; Snobelen, Mike & Sam	519-528-2092		R	
Palmerston; Connell, Dale A	519-343-2626			C
Ripley; Courtney Grain And Seed (2015) Ltd	519-395-2972			C
West Montrose; Cribit Seeds	519-664-3701	F	R	

DS8126RB

Branchton; Szentimrey, Peter	519-620-1100	F		
Lucknow; Snobelen, Mike & Sam	519-528-2092			C
Thornton; Alliance Agri-Turf	800-971-4870			C

DUNDEE

Ripley; Courtney Grain And Seed (2015) Ltd	519-395-2972	S	R	

ESMA Ⓟ

Almonte; Cochran Seeds Almonte	613-256-1029		F	C
Bath; Miller Seed Farm	613-483-9423	S	F	
Branchton; Szentimrey, Peter	519-620-1100	S	F	C
Carp; Donridge Farms Ltd.	613-839-3062			C
Cobden; Stone, Reuben & Keanan	613-646-9737	S	F	
Lucknow; Snobelen, Mike & Sam	519-528-2092			C
New Liskeard; Phillips, Jack & Terry	705-563-8375	S		C
Ripley; Courtney Grain And Seed (2015) Ltd	519-395-2972		F	
Thornton; Alliance Agri-Turf	800-971-4870			C
West Montrose; Cribit Seeds	519-664-3701	S	F	

SPRING BARLEY

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HARMONY

Saint-Hyacinthe; Synagri S.E.C.	450-799-3226			C

HY 621-6R

Thornton; Alliance Agri-Turf	800-971-4870			C

KWS KELLIE Ⓟ

Thornton; Alliance Agri-Turf	800-971-4870			C
West Montrose; Cribit Seeds	519-664-3701	S	F	

MARDEN

Bath; Miller Seed Farm	613-483-9423		R	

MASSY Ⓟ

Lucknow; Snobelen, Mike & Sam	519-528-2092	S	F	R

NORDBEC

New Liskeard; Labonte Seed	705-647-3129	S	R	C

SPRING WHEAT

AAC BRANDON ♻

Emo; Schraa, David	807-482-2420			C

AAC SCOTIA Ⓟ

St. Isidore; Bercier, Marc & Guillaume (On)	613-524-2981			C

AAC SYNOX Ⓟ

Saint-Hyacinthe; Synagri S.E.C.	450-799-3226	S	R	C

FURANO

Palmerston; C & M Seeds	519-343-2126	S	F	R C
St. Isidore; Bercier, Marc & Guillaume (On)	613-524-2981			C

QUANTUM

Lucknow; Snobelen, Mike & Sam	519-528-2092		F	
Ripley; Courtney Grain And Seed (2015) Ltd	519-395-2972	S		C

RAVEN Ⓟ

Palmerston; C & M Seeds	519-343-2126	S	F	R C

STARLITE Ⓟ

St. Isidore; Bercier, Marc & Guillaume (On)	613-524-2981	S	F	

VENTRY

Lucknow; Snobelen, Mike & Sam	519-528-2092		R	C
Ripley; Courtney Grain And Seed (2015) Ltd	519-395-2972		R	

WILKIN ♻

Palmerston; C & M Seeds	519-343-2126	S	F	R C

TRITICALE

LUOMA ♻

Cobden; Stone, Reuben & Keanan	613-646-9737			R

WINTER BARLEY

LCS CALYPSO

Branchton; Szentimrey, Peter	519-620-1100			C
Kanata; SeCan Association	613-592-8600	S	F	
Lucknow; Snobelen, Mike & Sam	519-528-2092			C
Palmerston; Connell, Dale A	519-343-2626			C
Sarnia; Parkland Farms	519-383-7007			C

WINTER BARLEY

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SU RUZENA Ⓤ
West Montrose; Cribit Seeds ..... 519-664-3701 S F

WINTER RYE

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

WINTER WHEAT

25R40 ♻
Chatham; Pioneer Hi-Bred Production Company ..... 800-265-9435 F R

25R46 ♻
Chatham; Pioneer Hi-Bred Production Company ..... 800-265-9435 F R

25R61 Ⓤ
Chatham; Pioneer Hi-Bred Production Company ..... 800-265-9435 F R

25R74 Ⓤ
Chatham; Pioneer Hi-Bred Production Company ..... 800-265-9435 F R

WINTER WHEAT

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25W38 Ⓤ
Chatham; Pioneer Hi-Bred Production Company ..... 800-265-9435 R

AC MORLEY
Lucknow; Snobelen, Mike & Sam ..... 519-528-2092 S F

AC MOUNTAIN
West Montrose; Cribit Seeds ..... 519-664-3701 S F R

ADRIANUS Ⓤ
Palmerston; C & M Seeds ..... 519-343-2126 S F R C

AVA SWW
Chatham; Pioneer Hi-Bred Production Company ..... 800-265-9435 F R

B654SRW Ⓤ
Chatham; Pioneer Hi-Bred Production Company ..... 800-265-9435 F R C
Lucknow; Snobelen, Mike & Sam ..... 519-528-2092 R C
Thornton; Alliance Agri-Turf ..... 800-971-4870 C

BLAZE
Palmerston; C & M Seeds ..... 519-343-2126 R C

BRANSON ♻
Chatham; Pioneer Hi-Bred Production Company ..... 800-265-9435 F R
Lucknow; Snobelen, Mike & Sam ..... 519-528-2092 R
Thornton; Alliance Agri-Turf ..... 800-971-4870 C

WINTER WHEAT

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CM614				
Palmerston; C & M Seeds	519-343-2126			C
CRUZE				
Palmerston; C & M Seeds	519-343-2126	S	F	R
DS572SRW				
Chatham; Pioneer Hi-Bred Production Company	800-265-9435		F	R
Lucknow; Snobelen, Mike & Sam	519-528-2092			C
Thornton; Alliance Agri-Turf	800-971-4870			C
E0028W				
Sarnia; Parkland Farms	519-383-7007	S	F	
EMPEROR				
Bath; Miller Seed Farm	613-483-9423			R
Brantford; Bow Park Farm Inc	519-751-9782	S		R
FTHP REDEEMER				
Lucknow; Snobelen, Mike & Sam	519-528-2092	S	F	
HILLIARD				
Palmerston; C & M Seeds	519-343-2126		F	C
LEXINGTON				
Palmerston; Connell, Dale A	519-343-2626		F	R

WINTER WHEAT

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MARKER				
Lindsay; Hickson, Joseph	705-878-8200			C
Lucknow; Snobelen, Mike & Sam	519-528-2092			R
Lucknow; Snobelen, Sam	519-528-2092			R
OAC CONSTELLATION				
Branchton; Szentimrey, Peter	519-620-1100	S	F	
Brantford; Bow Park Farm Inc	519-751-9782	S	F	
PRO 81				
Palmerston; C & M Seeds	519-343-2126			R
SECORD				
Alvinston; Mc Rae, Jonathan & Matthew	519-464-2887			C
Alvinston; MacKellar Farms	519-318-4463			C
Branchton; Szentimrey, Peter	519-620-1100	S	F	C
Jarvis; Montague, Thomas	905-870-4002			R
Lindsay; Hickson, Joseph	705-878-8200			C
Ripley; Courtney Grain And Seed (2015) Ltd	519-395-2972			C
Sarnia; Parkland Farms	519-383-7007	S		C
WAVE				
Sarnia; Parkland Farms	519-383-7007	S	F	
ZORRO				
Bath; Miller Seed Farm	613-483-9423		F	R

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 Seeds Canada. 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., Agriculture and Agri-Food Canada at Ottawa.

For more information go to www.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.

Managing Bt Corn – When using Bt corn, it is imperative that a refuge area of non-Bt corn be planted near the Bt corn to reduce the risk of developing insect resistance to Bt. A list of potential refuge hybrids and information related to the practices that must be followed to comply with current regulations can be obtained from the Canadian Corn Refuge Hybrid Selector at www.refugeselector.ca

PHOTO: JUPITERIMAGES/GETTYIMAGES

Ontario Performance Trial Data

CORN

Comments:

For more detailed information go to www.GoCorn.net

Testing Methods

Hybrids entered in the Hybrid Corn Performance Trials are selected by the seed companies. A testing fee is charged per hybrid per replication. A hybrid must be entered in all trials within a table.

In each trial, hybrids are replicated in a suitable experimental design. Trials are machine planted with an excess of seed and thinned at an early growth stage to obtain a uniform population. 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. Fertilizer rates may be higher than those recommended by OMAF to compensate for any variability in soil nutrient supply.

Most of the hybrids entered in the trials were treated with a seed treatment to control soil insects. Hybrids that were not treated with are not identified in the report. There was no significant damage from soil insects at any of the locations.

To determine the percentage of lodged plant, a count is made, immediately before harvest, of all plants broken below the ear and all plants which are leaning such that the ear is in the adjacent row or is otherwise unharvestable.

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 accepted procedures.

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, and 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 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 than do single location results.

The average yield for each table is given in bushels per acre. You can calculate the actual yield for a hybrid by multiplying the average yield times its yield index and dividing by 100.

The average test weight is given in kg/h1 (kilograms per hectoliter). You can calculate the actual test weight of a hybrid by multiplying the average test weight times its test weight 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
4	Roundup Ready Corn 2
6	VT Double PRO
8	SmartStax
14	Agrisure GT
20	Agrisure Viptera 3111
23	Optimum AcreMax
24	Optimum AcreMax Xtreme
25	Optimum AcreMax Xtra
28	Agrisure 3120
30	PowerCore Enlist
31	SmartStax Enlist
32	Trecepta
33	Agrisure Duracade 5122
34	Agrisure Duracade 5222
36	Qrome
37	Optimum AcreMax Leptra

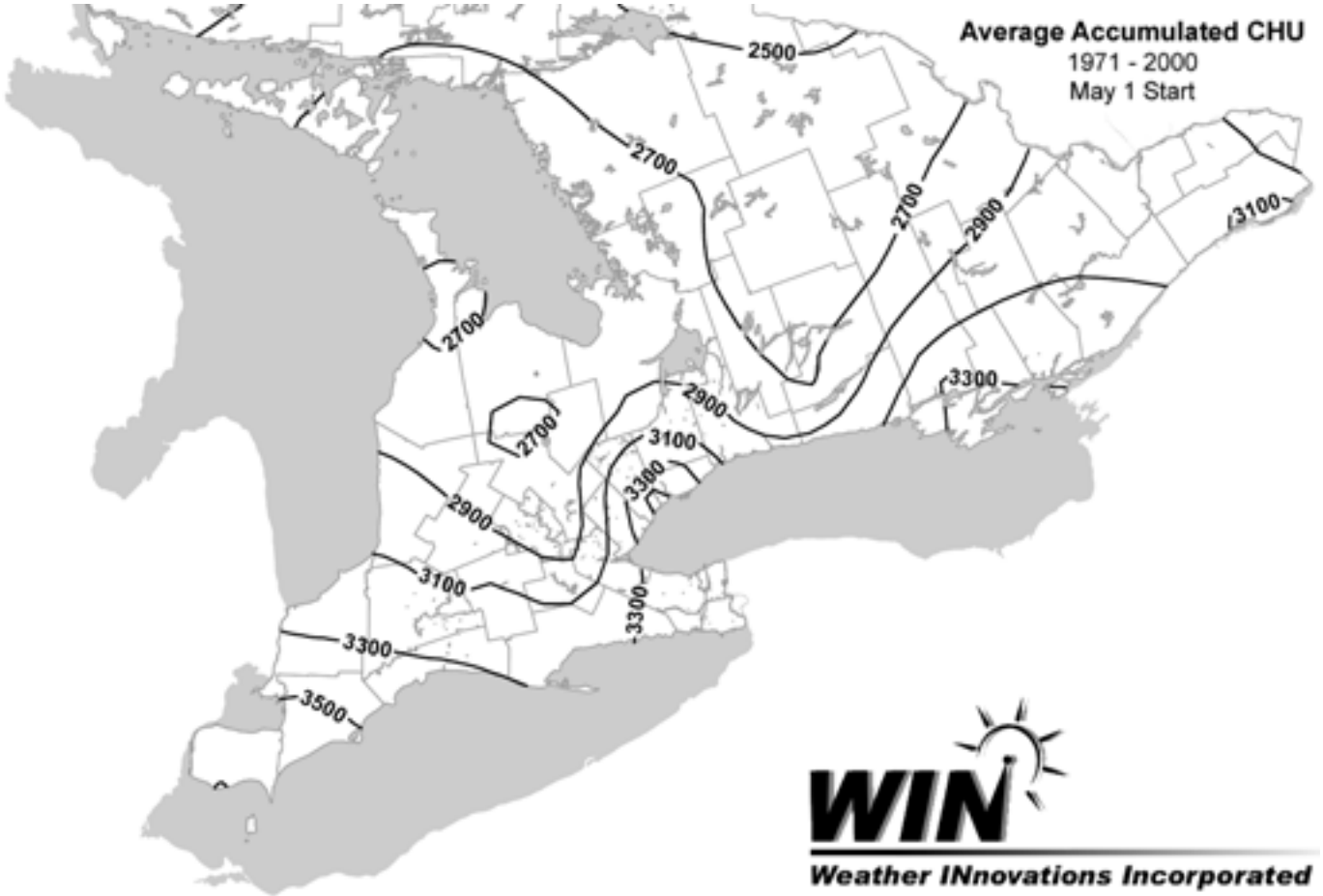
Notes:

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 2021. 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 Seeds Canada's "List of Corn Hybrids Commercially Available in Canada" at: https://seeds-canada.ca/corn-hybrid-database/

Explanation of Seed Treatment Codes

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

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	1-800-265-9435
CROPLAN	Winfield United	1-613-323-6846
De Dell	De Dell Seeds Inc	1-519-264-2676
DEKALB	Bayer CropScience Inc.	1-888-283-6847
DLF PICKSEED	DLF Pickseed Canada Inc.	1-705-878-9240
Horizon	Horizon Seeds Canada Inc.	1-519-842-5538
Maizex	Maizex Seeds Inc.	1-877-682-1720
NK Brand	Syngenta Seeds Inc.	1-800-756-SEED
Pioneer	Pioneer Hi-Bred Canada Company	1-800-265-9435
PRIDE Seeds	AgReliant Genetics Inc.	1-519-354-3210
Saatbau	Saatbau Linz	1-514-609-0881

CORN — Orangeville, Dundalk

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages[1] average of 4 trials Yield Index	Moist %	Ldg %	Test Wt Index	2021 averages[2] average of 2 trials Yield Index	Moist %	Ldg %	Test Wt Index
2150	Pioneer	P7574AM	23	L					91	23.2	1	104
2225	Pioneer	P7844AM	23	L					93	24.4	0	101
2250	Pioneer	P7861AM	23	L	88	25.5	0	102	87	24.6	0	101
2250	Saatbau	AMELLO	0	C	95	27.3	1	105	94	25.8	1	105
2300	Brevant	B79H45AM	23	L					93	25.5	0	100
2300	Pioneer	P7955AM	23	L	88	25.8	0	104	83	24.3	0	103
2375	CROPLAN	CP2180VT2P	6	F					99	24.5	0	98
2400	Pioneer	P8234AM	23	L	89	25.5	0	101	92	24.5	0	101
2400	Pioneer	P8294AM	23	L					98	24.1	1	101
2425	Brevant	B83R36AM	23	L	96	26.5	0	99	95	26.0	1	99
2425	CROPLAN	CP2112ASD/EZ	33	F					93	25.7	0	101
2425	De Dell	DL 1100	0	—					95	25.6	0	104
2450	CROPLAN	2288VT2P/RIB	6	F	95	27.4	0	102	92	26.9	0	101
2450	De Dell	Devour	0	—	98	29.2	0	102	100	28.2	0	101
2450	Horizon	HX 2252	0	F					110	26.9	0	98
2450	Pioneer	P8407AM	23	L	101	27.9	0	98	101	27.4	0	98
2450	Saatbau	ATLANTICO	0	C					106	27.3	0	103
2475	Saatbau	ALBIREO	0	C	99	28.8	1	105	99	27.0	2	104
2500	CROPLAN	CP2315VT2P/RIB	6	F	102	26.5	0	100	100	24.9	0	99
2500	DEKALB	DKC33-37RIB	6	A	99	26.2	0	102	98	25.7	0	101
2500	DLF PICKSEED	PS 2563GSX RIB	8	L	95	28.8	0	99	96	28.2	0	99
2500	PRIDE Seeds	A5105	0	F					95	25.0	0	103
2550	Horizon	HZ 2534	27	F	100	28.3	0	101	103	27.1	0	101
2550	Horizon	HZ 2536	34	F	99	28.8	0	101	106	26.8	0	102
2550	Maizex	E53G52 R	6	F	98	26.7	0	101	98	25.5	0	100
2550	Maizex	MZ 248X	0	F	100	28.4	0	101	103	26.9	0	102
2550	NK Brand	NK8204-3220	27	F	96	28.1	0	101	95	25.9	0	101
2550	Pioneer	P8537AM	23	L	96	27.4	0	100	99	27.2	0	100
2550	Pioneer	P8736AM	23	L	104	27.8	0	98	102	26.3	0	98
2575	DEKALB	DKC35-29RIB	6	L					106	27.1	0	101
2575	DEKALB	DKC35-37RIB	6	A	104	28.0	0	99	104	26.6	0	98
2575	DLF PICKSEED	PS 2570VT2P RIB	6	L					109	27.1	0	101
2575	PRIDE Seeds	A5225G2 RIB	6	F	96	27.2	0	102	94	26.4	0	102
2600	CROPLAN	CF255	6	F	96	27.8	0	102	91	26.7	0	102
2600	DEKALB	DKC36-48RIB	6	L					110	26.4	0	100
2600	DLF PICKSEED	PS 2635VT2P RIB	6	L	101	28.8	0	100	100	27.1	0	99
2600	Maizex	MZ 2699DBR	6	F	108	28.0	0	99	107	27.1	0	99
2600	Pioneer	P8820Q	36	L					95	26.2	0	99
2600	Saatbau	EGIDIO	0	C	104	28.7	0	96	108	27.0	0	97
2625	DEKALB	DKC36-86RIB	6	A	104	28.3	0	97	103	27.0	0	97
2625	DLF PICKSEED	PS 2777RR	4	L	104	29.1	0	99	105	28.4	0	99
2650	DEKALB	DKC37-73RIB	6	A	104	28.0	0	98	104	27.0	0	99
2650	NK Brand	NK8519-5222	34	F	93	29.8	0	97	96	28.0	1	99
2650	NK Brand	NK8618-5122A	33	F	103	28.9	0	99	104	27.7	0	99
2650	Pioneer	P9188AM	23	L	104	28.1	0	99	111	27.3	0	99
2650	PRIDE Seeds	A5404G2 RIB	6	F	102	28.1	0	100	97	27.1	0	99
2675	DEKALB	DKC38-15RIB	32	L					105	27.5	0	99
2675	Maizex	MZ 2982DBR	6	F	113	29.3	0	99	111	28.4	0	99
2675	PRIDE Seeds	A5383G8 RIB	8	F	101	28.6	0	99	99	27.3	0	100
2700	DLF PICKSEED	PS 2778VT2P RIB	6	L	105	28.9	0	99	107	27.2	0	99
2725	DEKALB	DKC39-55RIB	6	L	109	29.5	0	98	107	27.8	0	97
2725	DEKALB	DKC40-99RIB	32	L					103	29.4	2	98
2725	NK Brand	NK9023-5222	34	F					100	29.3	0	97
2800	DEKALB	DKC42-05RIB	6	L	108	29.3	0	97	111	28.4	0	97
	LSD (0.10) for Yield Index Points*				4				6			
	Average all hybrids†				208	28.0	0	67	221	26.6	0	69

1 Orangeville 2020-2021, Dundalk 2020-2021

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.

			Results of 2021 Performance Trials					
			DUNDALK			ORANGEVILLE		
CHU	Brand and/or Hybrid		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2150	Pioneer	P7574AM	88	24.4	0	94	22.0	1
2225	Pioneer	P7844AM	96	26.4	0	90	22.5	0
2250	Pioneer	P7861AM	92	26.3	0	81	22.9	0
2250	Saatbau	AMELLO	90	28.1	0	98	23.4	1
2300	Brevant	B79H45AM	94	27.2	0	92	23.8	0
2300	Pioneer	P7955AM	84	25.8	0	81	22.9	0
2375	CROPLAN	CP2180VT2P	99	26.9	0	98	22.1	0
2400	Pioneer	P8234AM	98	26.8	0	85	22.3	0
2400	Pioneer	P8294AM	98	25.3	0	99	23.0	1
2425	Brevant	B83R36AM	100	27.9	0	89	24.1	1
2425	CROPLAN	CP2112ASD/EZ	88	27.6	0	99	23.7	0
2425	De Dell	DL 1100	97	27.2	1	92	24.0	0
2450	CROPLAN	2288VT2P/RIB	93	30.7	0	92	23.0	0
2450	De Dell	Devour	101	31.7	0	98	24.6	0
2450	Horizon	HX 2252	111	29.7	0	109	24.0	0
2450	Pioneer	P8407AM	97	30.4	0	106	24.5	0
2450	Saatbau	ATLANTICO	114	28.7	0	97	25.8	0
2475	Saatbau	ALBIREO	99	29.3	1	98	24.8	4
2500	CROPLAN	CP2315VT2P/RIB	106	27.3	0	92	22.5	0
2500	DEKALB	DKC33-37RIB	99	28.7	0	96	22.6	0
2500	DLF PICKSEED	PS 2563GSX RIB	95	30.4	0	98	26.0	0
2500	PRIDE Seeds	A5105	98	26.5	0	91	23.5	0
2550	Horizon	HZ 2534	99	29.0	0	107	25.1	0
2550	Horizon	HZ 2536	103	29.0	0	109	24.5	0
2550	Maizex	E53G52 R	102	27.9	0	93	23.1	0
2550	Maizex	MZ 248X	100	30.8	0	106	23.1	0
2550	NK Brand	NK8204-3220	99	28.2	0	91	23.5	0
2550	Pioneer	P8537AM	95	30.1	0	103	24.3	0
2550	Pioneer	P8736AM	102	28.7	0	101	23.8	0
2575	DEKALB	DKC35-29RIB	104	30.6	0	108	23.6	0
2575	DEKALB	DKC35-37RIB	102	29.4	0	107	23.9	0
2575	DLF PICKSEED	PS 2570VT2P RIB	110	30.5	0	108	23.8	0
2575	PRIDE Seeds	A5225G2 RIB	96	29.1	0	92	23.6	0
2600	CROPLAN	CF255	89	28.2	0	94	25.1	0
2600	DEKALB	DKC36-48RIB	108	29.0	0	113	23.9	1
2600	DLF PICKSEED	PS 2635VT2P RIB	99	29.8	0	102	24.5	0
2600	Maizex	MZ 2699DBR	105	29.9	0	109	24.4	0
2600	Pioneer	P8820Q	95	28.8	0	94	23.6	0
2600	Saatbau	EGIDIO	107	30.5	0	109	23.5	1
2625	DEKALB	DKC36-86RIB	105	29.7	0	100	24.3	0
2625	DLF PICKSEED	PS 2777RR	104	32.0	0	105	24.9	0
2650	DEKALB	DKC37-73RIB	104	29.6	0	105	24.4	0
2650	NK Brand	NK8519-5222	100	30.7	1	91	25.2	0
2650	NK Brand	NK8618-5122A	102	31.0	0	106	24.4	0
2650	Pioneer	P9188AM	107	29.7	0	115	24.9	0
2650	PRIDE Seeds	A5404G2 RIB	91	29.2	0	104	24.9	0
2675	DEKALB	DKC38-15RIB	99	30.6	0	111	24.4	0
2675	Maizex	MZ 2982DBR	109	31.5	0	113	25.3	0
2675	PRIDE Seeds	A5383G8 RIB	106	30.0	0	92	24.6	0
2700	DLF PICKSEED	PS 2778VT2P RIB	107	29.7	0	107	24.6	0
2725	DEKALB	DKC39-55RIB	107	30.0	0	107	25.6	0
2725	DEKALB	DKC40-99RIB	98	32.3	5	109	26.6	0
2725	NK Brand	NK9023-5222	99	32.2	0	101	26.4	0
2800	DEKALB	DKC42-05RIB	109	31.2	0	114	25.6	0
	LSD (0.10) for Yield Index Points*		9			9		
	Average all hybrids†		234	29.1	0	208	24.1	0

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.

Note: The accuracy of moisture measurement decreases as moisture content increases. This also affects the accuracy of yield determination. Results for hybrids with moisture contents over 30% should be interpreted with much caution.

CORN — Elora, Port Hope, Winchester, Wingham

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages[1] average of 8 trials Yield Index	Moist %	Ldg %	Test Wt Index	2021 averages[2] average of 4 trials Yield Index	Moist %	Ldg %	Test Wt Index
2300	Brevant	B79H45AM	23	L					88	20.9	2	104
2450	Pioneer	P8407AM	23	L	97	20.9	1	102	96	22.2	0	101
2550	Maizex	MZ 2452DUR	33	F					101	22.5	0	104
2550	Maizex	MZ 248X	0	F	101	21.1	1	103	99	22.0	0	102
2550	Pioneer	P8537AM	23	L	93	20.9	1	103	94	22.0	0	102
2550	Pioneer	P8736AM	23	L	98	20.9	1	100	95	21.8	1	99
2600	CROPLAN	CF255	6	F					86	21.8	1	103
2600	Maizex	MZ 269	0	F	99	21.2	2	102	95	22.6	1	102
2600	Maizex	MZ 2699DBR	6	F	99	21.1	1	102	97	22.3	0	101
2600	Pioneer	P8820Q	36	L	93		1	100	91	22.7	0	98
2625	De Dell	DL 2315	0	—	99	21.4	1	103	97	22.4	1	102
2650	Brevant	B90J12AM	23	L	98	21.5	1	98	98	22.2	0	97
2650	Brevant	B91T25AM	23	L	105	22.1	1	99	108	23.2	1	99
2650	CROPLAN	2790VT2P/RIB	6	F	98	21.0	3	101	95	22.1	1	100
2650	Maizex	MZ 2711DBR	6	F					96	22.8	0	98
2650	NK Brand	NK8618-5122A	33	F	100	21.6	1	102	97	22.5	1	101
2650	Pioneer	P9188AM	23	L	97	21.6	0	101	97	23.0	0	101
2675	CROPLAN	CP2851VT2P/RIB	6	F	95	21.5	1	100	92	22.7	1	100
2675	Maizex	MZ 2982DBR	6	F	103	22.0	1	99	100	23.0	0	99
2700	CROPLAN	2965VT2P/RIB	6	F	95	21.5	2	101	93	22.6	0	101
2700	CROPLAN	CP3166VT2P	6	F					100	23.9	0	96
2700	DLF PICKSEED	PS 2778VT2P RIB	6	L	97	21.0	0	102	96	22.1	0	101
2700	Horizon	HZ 3015	0	F					102	23.0	2	101
2700	Horizon	HZ 3020	14	F	100	22.3	1	99	105	22.9	0	100
2725	Brevant	B92R26AM	23	L	102	21.9	1	97	102	23.4	0	96
2725	CROPLAN	CF398	6	F					87	21.7	0	103
2725	DEKALB	DKC39-55RIB	6	L	103	22.1	1	100	104	23.3	0	100
2725	DEKALB	DKC40-99RIB	32	L					101	23.4	1	98
2725	DLF PICKSEED	PS 27067VT2P	6	L					99	22.3	0	100
2725	Maizex	MZ 3117DBR	6	F	103	22.5	0	98	101	23.7	0	99
2725	NK Brand	NK9023-5222	34	F					101	22.9	0	98
2725	Pioneer	P9233AM	23	L	100	22.6	1	101	101	24.0	1	99
2725	PRIDE Seeds	A5959G2 RIB	6	F					101	22.3	0	100
2750	De Dell	DL 3146	0	—	100	21.8	1	100	102	23.1	1	101
2750	DLF PICKSEED	PS 27168GSX	8	L					99	23.2	0	103
2750	DLF PICKSEED	PS 2745VT2P RIB	6	L	100	23.0	1	98	102	24.3	0	99
2750	Horizon	HZ 3245	27	F	101	22.7	1	100	106	23.5	0	101
2750	Maizex	E63G62 R	6	F	100	22.8	1	102	97	24.0	0	102
2750	Maizex	MZ 314	0	F					107	24.6	0	98
2750	NK Brand	NK9175-5222	34	F					108	23.1	0	102
2750	NK Brand	NK9227-5222A	34	F	100	23.4	1	96	105	24.7	1	98
2750	Pioneer	P9301AM	23	L	101	22.5	0	102	99	23.4	1	101
2750	PRIDE Seeds	A5925	0	F	100	22.2	1	100	96	23.2	1	100
2775	CROPLAN	398	6	F	99	21.6	0	101	97	22.1	0	103
2775	DLF PICKSEED	PS 27097GSX	8	L	97	22.4	0	98	96	23.8	0	98
2775	PRIDE Seeds	A6260G8 RIB	8	F					98	23.4	1	100
2800	CROPLAN	CP3490VT2P	6	F					103	24.9	0	99
2800	DEKALB	DKC42-05RIB	6	L	104	22.4	1	98	105	23.1	0	98
2800	Horizon	HX 3386	28	F					98	24.3	1	98
2800	Pioneer	P9404AM	23	L	98	22.6	1	100	97	23.7	0	99
2800	PRIDE Seeds	A6018G2 RIB	6	F	100	23.0	1	99	101	24.1	0	99
2825	CROPLAN	3575VT2P/RIB	6	F	99	23.5	0	100	101	24.4	0	101
2825	DLF PICKSEED	PS 28183TRE	32	L					104	23.9	0	98
2825	DLF PICKSEED	PS 2839VT2P RIB	6	L	97	23.2	0	97	101	23.8	0	97
2825	Horizon	HZ 3295	28	F	100	23.9	1	98	104	24.7	1	99

			Results of 2021 Performance Trials											
			ELORA			PORT HOPE T2			WINCHESTER T2			WINGHAM		
CHU	Brand and/or Hybrid		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2300	Brevant	B79H45AM	86	25.5	0	97	18.5	3	87	18.3	0	85	21.2	5
2450	Pioneer	P8407AM	93	27.1	0	106	18.7	0	92	19.3	0	94	23.6	0
2550	Maizex	MZ 2452DUR	100	27.0	0	105	19.2	2	98	20.0	0	101	23.7	0
2550	Maizex	MZ 248X	104	26.6	0	99	18.6	0	95	19.5	0	98	23.4	0
2550	Pioneer	P8537AM	94	26.9	0	83	19.0	0	99	19.1	0	98	23.2	2
2550	Pioneer	P8736AM	88	25.5	0	95	18.5	0	99	19.6	0	98	23.4	2
2600	CROPLAN	CF255	84	26.3	0	88	18.8	3	88	18.8	0	84	23.1	0
2600	Maizex	MZ 269	106	28.1	0	92	18.8	3	87	19.4	2	96	24.2	1
2600	Maizex	MZ 2699DBR	96	27.9	0	99	18.6	2	99	19.2	0	96	23.5	0
2600	Pioneer	P8820Q	96	27.4	0	89	18.6	2	94	20.3	0	85	24.3	0
2625	De Dell	DL 2315	97	27.3	0	102	18.7	2	90	19.9	1	99	23.6	1
2650	Brevant	B90J12AM	104	27.2	0	97	18.5	0	97	19.6	0	92	23.5	0
2650	Brevant	B91T25AM	104	28.7	0	108	18.7	3	110	20.9	0	112	24.7	0
2650	CROPLAN	2790VT2P/RIB	91	28.0	0	101	18.5	4	99	19.8	0	91	22.0	0
2650	Maizex	MZ 2711DBR	93	28.7	0	104	18.3	0	97	21.2	0	90	22.9	0
2650	NK Brand	NK8618-5122A	99	27.0	0	98	18.4	3	96	20.6	0	93	23.9	0
2650	Pioneer	P9188AM	98	27.8	0	96	19.2	0	96	20.7	0	99	24.2	0
2675	CROPLAN	CP2851VT2P/RIB	93	28.6	0	88	18.5	2	98	20.6	0	91	22.9	0
2675	Maizex	MZ 2982DBR	93	27.0	0	100	18.9	1	98	22.2	0	109	23.8	0
2700	CROPLAN	2965VT2P/RIB	93	28.2	0	89	18.6	2	102	19.8	0	88	23.6	0
2700	CROPLAN	CP3166VT2P	94	27.8	0	109	18.6	1	93	23.1	0	104	26.1	0
2700	DLF PICKSEED	PS 2778VT2P RIB	98	27.1	0	99	18.2	0	93	19.7	0	94	23.2	0
2700	Horizon	HZ 3015	110	28.2	0	97	18.6	6	94	21.7	1	106	23.5	2
2700	Horizon	HZ 3020	105	28.6	0	114	18.7	0	93	20.6	1	110	23.5	0
2725	Brevant	B92R26AM	96	29.5	0	109	18.6	0	103	21.2	0	101	24.2	0
2725	CROPLAN	CF398	90	26.3	0	95	18.4	0	85	19.6	0	79	22.3	0
2725	DEKALB	DKC39-55RIB	102	28.0	0	111	18.8	1	98	21.7	0	108	24.5	0
2725	DEKALB	DKC40-99RIB	103	29.9	0	93	18.8	3	100	20.4	0	105	24.3	0
2725	DLF PICKSEED	PS 27067VT2P	97	27.9	0	96	18.6	2	104	19.4	0	100	23.3	0
2725	Maizex	MZ 3117DBR	100	30.1	0	95	18.5	0	102	20.8	0	107	25.5	0
2725	NK Brand	NK9023-5222	100	28.4	0	98	18.5	2	107	20.7	0	99	24.0	0
2725	Pioneer	P9233AM	98	28.9	1	106	19.2	3	99	21.0	0	101	26.8	0
2725	PRIDE Seeds	A5959G2 RIB	106	28.2	0	96	18.5	2	98	19.3	0	102	23.3	0
2750	De Dell	DL 3146	102	28.1	1	101	19.1	0	100	21.4	0	103	23.9	1
2750	DLF PICKSEED	PS 27168GSX	91	29.1	0	102	18.7	0	102	20.8	0	103	24.3	0
2750	DLF PICKSEED	PS 2745VT2P RIB	103	30.9	0	101	18.8	0	104	21.7	0	101	25.8	0
2750	Horizon	HZ 3245	108	28.6	0	106	19.2	0	103	22.2	0	105	24.1	1
2750	Maizex	E63G62 R	95	30.2	0	99	18.6	2	100	22.5	0	93	24.7	0
2750	Maizex	MZ 314	106	29.9	0	107	19.5	0	111	22.4	0	105	26.6	1
2750	NK Brand	NK9175-5222	113	27.7	1	104	19.3	0	102	21.0	0	113	24.5	0
2750	NK Brand	NK9227-5222A	106	29.7	0	108	19.2	3	104	24.7	0	103	25.1	1
2750	Pioneer	P9301AM	97	29.0	0	107	18.7	1	96	21.2	0	100	24.6	1
2750	PRIDE Seeds	A5925	97	28.1	0	103	19.0	3	89	21.6	1	98	24.2	1
2775	CROPLAN	398	90	26.0	0	95	18.4	0	111	21.1	0	95	23.0	0
2775	DLF PICKSEED	PS 27097GSX	98	30.8	0	95	18.7	2	97	21.0	0	95	24.8	0
2775	PRIDE Seeds	A6260G8 RIB	104	28.0	0	94	19.0	3	96	22.4	0	98	24.0	0
2800	CROPLAN	CP3490VT2P	110	32.1	0	94	18.8	2	105	23.0	0	100	25.9	0
2800	DEKALB	DKC42-05RIB	105	29.4	0	99	18.7	0	105	20.2	0	110	24.3	0
2800	Horizon	HX 3386	100	30.1	0	100	18.8	2	97	23.8	0	97	24.6	2
2800	Pioneer	P9404AM	99	28.1	0	95	19.2	1	99	22.3	0	96	25.2	0
2800	PRIDE Seeds	A6018G2 RIB	102	30.3	0	97	18.7	1	101	22.7	0	103	24.8	0
2825	CROPLAN	3575VT2P/RIB	106	31.4	0	90	18.8	0	106	21.7	0	98	25.7	0
2825	DLF PICKSEED	PS 28183TRE	104	30.2	0	105	19.2	0	106	20.5	0	102	25.8	0
2825	DLF PICKSEED	PS 2839VT2P RIB	109	30.5	0	89	18.5	0	100	21.9	0	102	24.4	0
2825	Horizon	HZ 3295	100	30.7	0	107	19.6	1	106	24.1	0	102	24.5	1

(continued)

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

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages[1] average of 8 trials Yield Index	Moist %	Ldg %	Test Wt Index	2021 averages[2] average of 4 trials Yield Index	Moist %	Ldg %	Test Wt Index
2825	Pioneer	P9535AM	23	L					107	23.9	1	100
2825	PRIDE Seeds	A6455G8 RIB	8	F	99	22.8	1	98	100	23.9	0	98
2850	DEKALB	DKC44-80RIB	6	L	107	22.8	1	98	108	23.7	1	98
2850	NK Brand	NK9535 3220	27	F	105	24.4	0	101	109	24.9	0	103
2850	Pioneer	P9608AM	23	L	102	23.5	1	102	101	24.0	0	102
2850	PRIDE Seeds	A6572G2 RIB	6	F	101	23.0	1	98	102	24.1	0	98
2875	DEKALB	DKC45-65RIB	8	L	105	23.4	1	99	107	24.0	0	98
2875	DEKALB	DKC46-50RIB	8	L					105	25.2	0	101
2875	NK Brand	NK9653-5222	34	F	101	23.9	0	100	104	24.9	0	101
2900	CROPLAN	CP3720TRE	32	F								
2900	CROPLAN	CP3735VT2P/RIB	6	F	100	23.9	0	101	101	24.6	0	101
2900	DEKALB	DKC46-40RIB	6	L	107	22.9	1	99	107	23.8	1	99
2900	DLF PICKSEED	PS 2932VT2P RIB	6	L					98	25.6	0	101
2950	DEKALB	DKC48-70RIB	32	L					110	25.3	0	98
	LSD (0.10) for Yield Index Points*				4				4			
	Average all hybrids†				210	22.3	1	69	222	23.3	0	69

1 Elora 2020-2021, Port Hope T2 2020-2021, Winchester T2 2020-2021, Wingham 2020-2021
2 Elora, Port Hope T2, Winchester T2, Wingham
* 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.
Note: The accuracy of moisture measurement decreases as moisture content increases. This also affects the accuracy of yield determination. Results for hybrids with moisture contents over 30% should be interpreted with much caution.

2021 VARIETIES SELECTED

	Variety	Variety	Variety
Seeding date:			
Harvest date:			
Yield:			

2021: TOP PICKS

Results of 2021 Performance Trials

CHU	Brand and/or Hybrid		ELORA Yield Index	ELORA Moist %	ELORA Ldg %	PORT HOPE T2 Yield Index	PORT HOPE T2 Moist %	PORT HOPE T2 Ldg %	WINCHESTER T2 Yield Index	WINCHESTER T2 Moist %	WINCHESTER T2 Ldg %	WINGHAM Yield Index	WINGHAM Moist %	WINGHAM Ldg %
2825	Pioneer	P9535AM	109	29.9	0	102	18.7	0	113	21.1	1	104	25.7	4
2825	PRIDE Seeds	A6455G8 RIB	94	29.9	0	105	18.5	0	104	21.8	0	99	25.3	1
2850	DEKALB	DKC44-80RIB	107	29.8	0	104	18.6	3	108	21.3	0	113	25.0	1
2850	NK Brand	NK9535 3220	109	31.4	0	107	19.0	0	102	24.2	0	117	25.2	0
2850	Pioneer	P9608AM	99	29.4	0	106	19.2	0	104	21.6	0	98	25.6	0
2850	PRIDE Seeds	A6572G2 RIB	103	30.2	0	94	18.6	1	103	21.2	0	105	26.4	0
2875	DEKALB	DKC45-65RIB	107	30.6	0	104	18.5	0	113	21.7	0	105	25.1	0
2875	DEKALB	DKC46-50RIB	104	30.0	0	110	18.9	2	101	24.6	0	106	27.3	0
2875	NK Brand	NK9653-5222	95	30.3	0	106	20.2	2	107	22.6	0	109	26.6	0
2900	CROPLAN	CP3720TRE				94	19.3	0						
2900	CROPLAN	CP3735VT2P/RIB	100	30.9	0	107	19.1	2	104	22.7	0	95	25.9	0
2900	DEKALB	DKC46-40RIB	111	30.1	0	100	18.7	3	103	21.7	0	112	24.8	0
2900	DLF PICKSEED	PS 2932VT2P RIB	98	32.8	0	103	18.9	0	98	23.9	0	94	26.6	0
2950	DEKALB	DKC48-70RIB	107	31.3	0	108	19.1	1	109	24.5	0	116	26.3	0
	LSD (0.10) for Yield Index Points*		8			13			7			8		
	Average all hybrids†		245	28.8	0	190	18.8	1	220	21.3	0	231	24.5	0

CORN — Bainsville, Ottawa, Winchester

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages[1] average of 6 trials Yield Index	Moist %	Ldg %	Test Wt Index	2021 averages[2] average of 3 trials Yield Index	Moist %	Ldg %	Test Wt Index
2600	Maizex	MZ 269	0	F					86	19.2	1	101
2600	Pioneer	P8820Q	36	L	91		0	100	87	19.9	0	100
2650	Brevant	B90J12AM	23	L	99	19.3	0	101	100	19.3	1	100
2650	Brevant	B91T25AM	23	L	107	19.5	0	100	108	19.5	0	101
2650	CROPLAN	2790VT2P/RIB	6	F					91	19.0	1	102
2650	Pioneer	P9188AM	23	L	94	18.8	3	102	91	19.4	6	102
2675	CROPLAN	CP2851VT2P/RIB	6	F	94	18.2	1	102	87	19.3	0	100
2700	CROPLAN	2965VT2P/RIB	6	F	94	18.6	1	102	88	19.4	1	101
2700	CROPLAN	CP3166VT2P	6	F					96	19.5	1	99
2725	Brevant	B92R26AM	23	L	102	19.0	0	98	103	19.4	0	98
2725	CROPLAN	CF398	6	F					85	18.5	0	101
2725	Maizex	MZ 3117DBR	6	F	101	18.1	1	100	98	18.7	1	99
2725	NK Brand	NK9023-5222	34	F					102	19.2	0	98
2725	Pioneer	P9233AM	23	L	102	19.5	0	102	98	19.7	0	102
2750	Horizon	HZ 3245	27	F	97	19.6	1	102	94	20.2	0	102
2750	Maizex	E63G62 R	6	F	96	19.4	1	103	97	19.8	0	102
2750	Maizex	MZ 3120SMX	8	F					93	20.1	0	102
2750	Maizex	MZ 314	0	F					101	20.8	0	100
2750	NK Brand	NK9175-5222	34	F					102	20.1	0	102
2750	NK Brand	NK9227-5222A	34	F	97	20.2	1	98	99	21.0	0	100
2750	Pioneer	P9301AM	23	L	99	19.5	1	102	97	19.5	0	104
2775	Maizex	MZ 3397SMX	8	F	99	19.3	0	100	102	20.2	0	100
2800	CROPLAN	CP3490VT2P	6	F					99	20.8	1	98
2800	Horizon	HX 3386	28	F					105	19.9	1	101
2800	Maizex	E65G82 R	6	F	102	19.3	0	100	98	19.6	0	99
2800	Maizex	MZ 342X	0	F					96	20.2	0	100
2800	Pioneer	P9404AM	23	L	97	20.0	1	100	96	20.5	1	101
2825	Brevant	B95R46AM	23	L	102	20.1	0	97	104	20.1	0	99
2825	CROPLAN	3575VT2P/RIB	6	F	100	18.7	0	102	98	19.6	0	101
2825	Horizon	HZ 3295	28	F	101	20.4	1	99	105	20.7	1	100
2825	Horizon	HZ 3582	27	F					103	21.0	0	98
2825	Pioneer	P9535AM	23	L					101	20.0	0	101
2850	Brevant	B96H83AM	23	L					102	20.4	0	101
2850	Brevant	B96R56AM	23	L					102	20.2	0	103
2850	DEKALB	DKC44-80RIB	6	L	105	18.9	0	100	101	19.9	0	100
2850	Maizex	MZ 3505DBR	6	F					105	19.7	0	99
2850	NK Brand	NK9535 3220	27	F	108	19.9	0	102	104	20.3	0	102
2850	Pioneer	P9608AM	23	L	99	20.7	1	102	99	21.0	0	103
2850	PRIDE Seeds	A6572G2 RIB	6	F	101	19.3	0	101	98	20.4	0	100
2875	DEKALB	DKC45-65RIB	8	L	99	19.3	1	100	101	20.2	1	99
2875	DEKALB	DKC46-50RIB	8	L					101	20.1	0	102
2875	Horizon	HX 3602	28	F					100	21.3	0	100
2875	Horizon	HZ 3676	0	F					93	21.8	3	103
2875	Maizex	MZ 369	0	F					94	20.1	1	97
2875	Maizex	MZ 3690DBR	6	F	99	19.3	0	98	99	20.1	0	98
2875	NK Brand	NK9653-5222	34	F	97	20.3	0	101	100	21.2	0	103
2875	PRIDE Seeds	A6585G8 RIB	8	F	98	19.3	0	100	101	20.5	0	100
2900	CROPLAN	CP3720TRE	32	F					99	19.8	0	102
2900	CROPLAN	CP3735VT2P/RIB	6	F	95	19.1	0	102	91	19.8	0	101
2900	CROPLAN	CP3980VT2P	6	F					109	20.5	1	99
2900	DEKALB	DKC46-40RIB	6	L	105	19.1	0	101	103	19.3	0	100
2900	DLF PICKSEED	PS 2932VT2P RIB	6	L	96	19.4	0	101	95	20.2	0	101
2900	PRIDE Seeds	A6694G2 RIB	6	F	101	19.2	1	101	99	20.0	1	101
2925	Brevant	B98D25AM	23	L	98	20.8	0	100	98	21.0	0	102
2925	DLF PICKSEED	PS 29185GSX	8	L					110	20.6	0	98
2925	Maizex	E67H92 R	6	F	100	20.1	0	99	97	20.3	0	99
2925	Maizex	E67H95	0	F	102	19.5	0	99	102	19.7	0	100

			Results of 2021 Performance Trials								
			BAINSVILLE			WILLIAMSBURG			WINCHESTER		
CHU	Brand and/or Hybrid		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2600	Maizex	MZ 269	95	19.9	1	92	18.1	3	74	19.5	0
2600	Pioneer	P8820Q	87	21.3	0	90	17.9	0	85	20.4	0
2650	Brevant	B90J12AM	95	20.2	1	101	18.7	1	102	19.1	0
2650	Brevant	B91T25AM	107	20.4	0	107	18.2	0	111	19.8	0
2650	CROPLAN	2790VT2P/RIB	85	19.8	1	95	17.6	0	91	19.4	1
2650	Pioneer	P9188AM	94	20.5	0	83	18.5	17	95	19.1	0
2675	CROPLAN	CP2851VT2P/RIB	81	19.9	0	94	18.0	0	87	20.0	0
2700	CROPLAN	2965VT2P/RIB	86	20.3	1	85	18.3	1	92	19.7	0
2700	CROPLAN	CP3166VT2P	88	20.4	0	102	18.5	3	97	19.5	0
2725	Brevant	B92R26AM	108	20.5	0	96	17.8	0	103	19.8	0
2725	CROPLAN	CF398	88	20.0	0	80	17.2	0	87	18.3	0
2725	Maizex	MZ 3117DBR	92	20.2	0	96	17.2	3	105	18.8	0
2725	NK Brand	NK9023-5222	100	20.0	0	105	17.7	0	100	19.8	0
2725	Pioneer	P9233AM	100	20.5	0	96	18.1	0	98	20.4	0
2750	Horizon	HZ 3245	99	21.5	1	91	18.8	0	92	20.3	0
2750	Maizex	E63G62 R	94	20.8	0	97	18.0	0	99	20.7	0
2750	Maizex	MZ 3120SMX	91	20.3	0	96	18.5	0	93	21.4	0
2750	Maizex	MZ 314	104	22.0	0	105	19.5	0	94	20.9	0
2750	NK Brand	NK9175-5222	105	21.5	0	110	18.8	0	93	19.9	0
2750	NK Brand	NK9227-5222A	104	22.4	0	108	19.5	0	86	21.0	0
2750	Pioneer	P9301AM	93	20.6	0	103	18.3	0	94	19.6	0
2775	Maizex	MZ 3397SMX	97	21.4	0	103	18.9	0	107	20.2	0
2800	CROPLAN	CP3490VT2P	98	21.5	1	98	18.9	1	102	22.0	0
2800	Horizon	HX 3386	109	20.8	1	113	18.6	1	93	20.2	0
2800	Maizex	E65G82 R	95	20.8	0	102	18.0	0	97	20.0	0
2800	Maizex	MZ 342X	96	21.3	0	89	18.8	1	102	20.4	0
2800	Pioneer	P9404AM	98	21.6	1	90	19.2	1	99	20.6	0
2825	Brevant	B95R46AM	108	21.7	0	100	18.6	1	105	20.1	0
2825	CROPLAN	3575VT2P/RIB	95	20.5	0	99	17.7	0	100	20.5	0
2825	Horizon	HZ 3295	105	22.5	1	114	19.1	0	97	20.5	1
2825	Horizon	HZ 3582	102	22.1	0	104	19.3	0	103	21.5	0
2825	Pioneer	P9535AM	98	21.2	0	105	18.2	0	101	20.7	0
2850	Brevant	B96H83AM	108	21.7	0	102	18.8	0	97	20.7	0
2850	Brevant	B96R56AM	103	21.2	0	103	18.6	0	101	20.8	0
2850	DEKALB	DKC44-80RIB	101	20.2	0	99	18.2	1	103	21.3	0
2850	Maizex	MZ 3505DBR	104	21.3	0	106	18.4	0	104	19.3	0
2850	NK Brand	NK9535 3220	105	21.5	0	108	18.9	0	100	20.6	0
2850	Pioneer	P9608AM	99	21.8	0	99	18.9	1	98	22.3	0
2850	PRIDE Seeds	A6572G2 RIB	101	21.1	0	92	18.5	0	101	21.7	0
2875	DEKALB	DKC45-65RIB	91	20.8	3	108	18.5	0	103	21.3	0
2875	DEKALB	DKC46-50RIB	101	20.7	0	103	18.6	0	99	21.0	0
2875	Horizon	HX 3602	99	21.5	1	109	19.0	0	94	23.5	0
2875	Horizon	HZ 3676	98	22.3	3	83	19.8	3	96	23.1	3
2875	Maizex	MZ 369	97	20.7	0	102	18.5	0	83	21.0	2
2875	Maizex	MZ 3690DBR	99	21.3	0	99	18.9	0	98	20.2	0
2875	NK Brand	NK9653-5222	105	22.0	0	101	19.4	0	94	22.2	0
2875	PRIDE Seeds	A6585G8 RIB	95	21.4	0	104	18.7	0	105	21.3	0
2900	CROPLAN	CP3720TRE	106	21.1	0	88	18.2	1	103	20.0	0
2900	CROPLAN	CP3735VT2P/RIB	93	20.5	0	88	17.9	0	92	21.0	0
2900	CROPLAN	CP3980VT2P	111	21.2	1	102	18.4	1	115	22.0	0
2900	DEKALB	DKC46-40RIB	99	20.4	0	110	17.8	0	101	19.7	0
2900	DLF PICKSEED	PS 2932VT2P RIB	97	21.3	0	93	18.8	0	95	20.4	0
2900	PRIDE Seeds	A6694G2 RIB	101	20.7	1	93	18.4	1	103	20.8	0
2925	Brevant	B98D25AM	95	21.4	0	95	19.7	0	105	21.9	0
2925	DLF PICKSEED	PS 29185GSX	108	21.5	0	118	19.2	0	105	21.0	0
2925	Maizex	E67H92 R	102	20.5	0	93	18.7	1	96	21.6	0
2925	Maizex	E67H95	95	20.5	0	98	18.2	0	111	20.5	1

(continued)

CORN — Bainsville, Ottawa, Winchester *(continued)*

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages[1] average of 6 trials Yield Index	Moist %	Ldg %	Test Wt Index	2021 averages[2] average of 3 trials Yield Index	Moist %	Ldg %	Test Wt Index
2925	Maizex	MZ 3818DBR	6	F	105	19.6	0	100	99	20.1	0	99
2925	Maizex	MZ 3877SMX	8	F	104	20.2	1	99	107	21.5	1	99
2925	Pioneer	P9823Q	36	L					106	20.6	0	98
2950	DEKALB	DKC48-56RIB	8	L	103	20.0	0	99	105	20.9	0	98
2950	DEKALB	DKC48-70RIB	32	L					104	20.4	0	98
2950	Maizex	MZ 3964DBR	6	F					103	20.0	0	99
2950	Maizex	MZ 397	0	F					102	20.1	0	100
2950	Pioneer	P9946AML	23	L	99		0	101	98	21.0	0	102
2950	Pioneer	P9998AM	23	L	101	22.2	0	98	100	22.5	0	100
2950	PRIDE Seeds	A6888G2 RIB	6	F	102	19.4	0	100	99	20.0	0	100
2975	DEKALB	DKC49-09RIB	6	L	97	19.2	0	100	100	19.7	0	100
2975	DLF PICKSEED	PS 29191VT2P	6	L					104	20.3	0	99
2975	DLF PICKSEED	PS 2955GSX RIB	8	L	98	19.6	0	100	104	20.7	0	101
2975	Maizex	MZ 4280DBR	6	F	103	20.8	1	99	103	21.0	1	99
3000	Brevant	B00R96AM	23	L	105	21.8	0	98	105	21.6	0	100
3000	CROPLAN	4188VT2P/RIB	6	F	103	20.1	0	98	103	20.8	0	97
3000	CROPLAN	CF598	8	F								
3000	NK Brand	NK9991-5122	33	F	98	21.5	1	98	100	22.4	1	99
3000	Pioneer	P0035AM	23	L					116	21.7	0	97
3000	Pioneer	P0075AM	23	L	108	22.4	1	96	108	22.2	0	98
3000	PRIDE Seeds	XP21098G4	32	P					106	20.8	0	98
3000	Saatbau	SL48397	0	C					98	20.8	1	100
3000	Saatbau	SL48402	0	C					97	19.5	1	99
3050	DEKALB	DKC50-30RIB	8	L					105	21.1	0	99
3050	DEKALB	DKC51-98RIB	8	L	99	19.7	0	98	99	20.0	0	99
3050	Pioneer	P0157AMXT	24	L	99		0	100	107	22.0	0	100
3100	DEKALB	DKC52-52RIB	8	L					110	22.0	1	98
	LSD (0.10) for Yield Index Points*				4				6			
	Average all hybrids†				200	19.7	0	70	210	20.3	0	70

1 Bainsville 2020-2021, Iroquois 2020, Williamsburg 2021, Winchester 2020-2021

2 Bainsville, Williamsburg, 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.

Note: The accuracy of moisture measurement decreases as moisture content increases. This also affects the accuracy of yield determination. Results for hybrids with moisture contents over 30% should be interpreted with much caution.

2021 VARIETIES SELECTED

	Variety	Variety	Variety

Seeding date:

Harvest date:

Yield:

2021: TOP PICKS

			Results of 2021 Performance Trials								
			BAINSVILLE			WILLIAMSBURG			WINCHESTER		
CHU	Brand and/or Hybrid		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2925	Maizex	MZ 3818DBR	101	21.0	0	96	18.8	0	100	20.6	0
2925	Maizex	MZ 3877SMX	107	22.7	0	101	19.0	4	114	22.8	0
2925	Pioneer	P9823Q	112	22.0	0	105	19.3	0	100	20.4	0
2950	DEKALB	DKC48-56RIB	109	21.7	1	95	19.0	0	110	22.1	0
2950	DEKALB	DKC48-70RIB	102	20.9	0	108	18.9	0	102	21.3	0
2950	Maizex	MZ 3964DBR	100	20.9	1	106	18.4	0	103	20.6	0
2950	Maizex	MZ 397	107	20.6	0	99	18.3	0	99	21.3	1
2950	Pioneer	P9946AML	98	21.7	0	102	19.9	1	95	21.4	0
2950	Pioneer	P9998AM	105	23.6	0	94	20.1	0	102	23.9	0
2950	PRIDE Seeds	A6888G2 RIB	94	21.6	0	99	18.3	1	104	20.1	0
2975	DEKALB	DKC49-09RIB	100	21.3	0	94	18.2	0	106	19.5	0
2975	DLF PICKSEED	PS 29191VT2P	105	21.3	1	105	18.9	0	100	20.7	0
2975	DLF PICKSEED	PS 2955GSX RIB	99	21.7	0	106	19.1	0	106	21.4	0
2975	Maizex	MZ 4280DBR	100	22.4	0	102	18.9	1	108	21.7	0
3000	Brevant	B00R96AM	108	22.3	0	103	19.8	0	104	22.7	0
3000	CROPLAN	4188VT2P/RIB	102	21.4	0	97	19.2	0	110	21.7	0
3000	CROPLAN	CF598	101	21.7	0	96	18.6	0			
3000	NK Brand	NK9991-5122	106	23.5	0	99	20.1	1	95	23.7	0
3000	Pioneer	P0035AM	115	23.3	0	123	19.4	0	111	22.4	0
3000	Pioneer	P0075AM	104	23.4	0	108	20.0	1	112	23.3	0
3000	PRIDE Seeds	XP21098G4	101	22.1	0	110	18.2	0	108	22.0	0
3000	Saatbau	SL48397	101	21.3	1	104	18.6	1	90	22.4	0
3000	Saatbau	SL48402	94	20.7	2	95	18.3	2	101	19.5	1
3050	DEKALB	DKC50-30RIB	103	22.0	0	97	18.9	1	115	22.3	0
3050	DEKALB	DKC51-98RIB	98	21.2	0	94	18.6	0	105	20.2	0
3050	Pioneer	P0157AMXT	108	23.3	0	99	20.6	0	111	22.0	0
3100	DEKALB	DKC52-52RIB	111	22.6	0	116	19.0	3	102	24.3	0
	LSD (0.10) for Yield Index Points*		8			13			7		
	Average all hybrids†		206	21.3	0	200	18.7	1	223	20.9	0

FIELD NOTES

CORN — Blyth, Port Hope, Waterloo

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages[1] average of 6 trials Yield Index	Moist %	Ldg %	Test Wt Index	2021 averages[2] average of 3 trials Yield Index	Moist %	Ldg %	Test Wt Index
2650	Brevant	B90J12AM	23	L	94	22.2	2	101	91	22.3	2	100
2650	Brevant	B91T25AM	23	L	98	22.2	2	101	99	22.3	2	100
2650	CROPLAN	2790VT2P/RIB	6	F					87	21.3	0	102
2650	Pioneer	P9188AM	23	L	93	22.1	2	103	92	22.7	1	102
2675	CROPLAN	CP2851VT2P/RIB	6	F					90	22.2	1	99
2700	CROPLAN	2965VT2P/RIB	6	F					89	21.9	0	102
2700	CROPLAN	CP3166VT2P	6	F					96	23.3	0	99
2725	Brevant	B92R26AM	23	L	97	22.1	0	99	96	22.7	0	98
2725	CROPLAN	CF398	6	F					82	21.8	1	103
2725	Maizex	MZ 3117DBR	6	F	102	22.8	1	98	99	22.9	0	98
2725	NK Brand	NK9023-5222	34	F					96	23.0	1	99
2725	Pioneer	P9233AM	23	L	97	22.8	3	102	95	23.2	6	102
2750	Horizon	HZ 3245	27	F	98	23.8	0	102	98	24.3	0	103
2750	Maizex	E63G62 R	6	F	98	23.5	0	102	96	23.7	0	101
2750	Maizex	MZ 3120SMX	8	F					101	23.9	0	102
2750	NK Brand	NK9175-5222	34	F					97	23.4	7	99
2750	NK Brand	NK9227-5222A	34	F	97	23.7	1	98	100	23.6	1	99
2750	Pioneer	P9301AM	23	L	96	22.7	1	104	94	22.6	0	102
2775	CROPLAN	398	6	F					85	22.2	1	103
2775	Maizex	MZ 3397SMX	8	F	96	23.1	1	99	95	23.2	1	99
2800	CROPLAN	CP3490VT2P	6	F					97	24.2	0	99
2800	Horizon	HX 3386	28	F					96	23.6	3	101
2800	Pioneer	P9404AM	23	L	94	23.6	0	101	94	24.3	0	101
2825	Brevant	B95R46AM	23	L	97	24.2	0	99	96	24.4	0	99
2825	CROPLAN	3575VT2P/RIB	6	F	99	24.0	1	101	97	24.1	0	101
2825	Horizon	HZ 3295	28	F	96	23.8	1	99	97	23.6	1	99
2825	Horizon	HZ 3582	27	F					104	24.1	0	100
2825	Pioneer	P9535AM	23	L					101	24.2	0	101
2850	Brevant	B96H83AM	23	L					104	23.7	0	101
2850	Brevant	B96R56AM	23	L					96	23.6	0	102
2850	DEKALB	DKC44-80RIB	6	L	102	23.4	2	100	101	23.4	1	101
2850	Maizex	MZ 3505DBR	6	F					108	23.5	0	98
2850	NK Brand	NK9535 3220	27	F	103	23.7	1	103	104	23.7	1	103
2850	Pioneer	P9608AM	23	L	97	24.4	0	102	96	24.2	0	102
2850	PRIDE Seeds	A6572G2 RIB	6	F	96	24.0	1	99	93	24.3	1	98
2875	DEKALB	DKC45-65RIB	8	L	101	23.9	0	100	98	23.9	0	100
2875	DEKALB	DKC46-50RIB	8	L					97	24.5	1	100
2875	Horizon	HX 3602	28	F					103	24.2	0	98
2875	Maizex	MZ 3690DBR	6	F	99	23.6	1	98	98	23.7	1	98
2875	NK Brand	NK9653-5222	34	F	99	24.5	0	102	99	24.0	1	102
2875	PRIDE Seeds	A6585G8 RIB	8	F	96	24.6	1	98	98	24.4	1	97
2900	CROPLAN	CP3720TRE	32	F								
2900	CROPLAN	CP3735VT2P/RIB	6	F	95	24.4	2	100	95	23.7	2	101
2900	CROPLAN	CP3980VT2P	6	F					107	24.1	1	100
2900	DEKALB	DKC46-40RIB	6	L	107	24.0	1	100	109	23.8	0	101
2900	DLF PICKSEED	PS 2932VT2P RIB	6	L	94	24.4	1	101	97	24.2	1	100
2900	Horizon	HZ 3787	27	F	97	24.7	2	98	96	24.4	3	98
2900	PRIDE Seeds	A6694G2 RIB	6	F	104	23.8	1	100	104	23.6	0	101
2925	Brevant	B98D25AM	23	L	99	24.7	0	101	99	24.2	0	102
2925	DLF PICKSEED	PS 29185GSX	8	L					106	24.9	0	97
2925	Maizex	E67H92 R	6	F	100	25.1	0	100	98	24.5	0	100
2925	Maizex	MZ 3818DBR	6	F	102	24.4	0	99	104	24.2	1	99
2925	Maizex	MZ 3877SMX	8	F	100	24.4	1	100	100	24.1	1	100
2925	Pioneer	P9823Q	36	L					109	24.7	1	98
2950	DEKALB	DKC48-56RIB	8	L	101	23.9	1	99	102	23.8	1	99
2950	DEKALB	DKC48-70RIB	32	L					104	24.6	1	100

			Results of 2021 Performance Trials								
			BLYTH			PORT HOPE			WATERLOO		
CHU	Brand and/or Hybrid		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2650	Brevant	B90J12AM	91	23.4	4	89	18.6	3	91	25.0	0
2650	Brevant	B91T25AM	101	23.0	3	99	18.4	2	96	25.6	0
2650	CROPLAN	2790VT2P/RIB	81	21.2	0	92	18.5	1	89	24.3	0
2650	Pioneer	P9188AM	89	22.9	0	100	19.1	2	88	26.1	0
2675	CROPLAN	CP2851VT2P/RIB	89	21.8	0	86	18.2	2	94	26.6	0
2700	CROPLAN	2965VT2P/RIB	84	22.4	0	95	18.6	0	89	24.6	0
2700	CROPLAN	CP3166VT2P	95	23.6	1	100	18.9	0	93	27.4	0
2725	Brevant	B92R26AM	97	23.0	0	101	18.4	0	91	26.8	0
2725	CROPLAN	CF398	78	21.8	0	86	18.4	2	83	25.2	0
2725	Maizex	MZ 3117DBR	92	23.0	0	107	18.4	0	100	27.2	0
2725	NK Brand	NK9023-5222	95	24.2	1	100	18.4	1	93	26.5	0
2725	Pioneer	P9233AM	93	23.8	0	102	18.8	18	90	27.0	0
2750	Horizon	HZ 3245	99	24.9	0	105	18.9	1	91	29.0	0
2750	Maizex	E63G62 R	96	24.6	0	101	18.7	1	92	27.8	0
2750	Maizex	MZ 3120SMX	97	24.4	0	106	19.0	1	101	28.4	0
2750	NK Brand	NK9175-5222	99	24.2	0	88	19.0	20	102	26.9	0
2750	NK Brand	NK9227-5222A	103	24.3	1	88	19.0	2	105	27.7	0
2750	Pioneer	P9301AM	96	23.9	1	93	18.4	0	94	25.5	0
2775	CROPLAN	398	81	22.5	1	86	18.4	2	89	25.5	0
2775	Maizex	MZ 3397SMX	93	22.9	1	86	18.7	1	102	28.0	0
2800	CROPLAN	CP3490VT2P	94	25.1	0	96	18.6	0	99	28.8	0
2800	Horizon	HX 3386	100	24.1	1	90	18.9	9	95	27.8	0
2800	Pioneer	P9404AM	96	24.5	0	93	19.3	0	91	29.2	0
2825	Brevant	B95R46AM	98	24.9	0	94	18.8	1	95	29.6	0
2825	CROPLAN	3575VT2P/RIB	97	25.6	0	95	18.6	1	98	28.0	0
2825	Horizon	HZ 3295	101	24.1	1	89	19.2	2	98	27.6	0
2825	Horizon	HZ 3582	103	25.2	1	114	19.6	0	98	27.4	0
2825	Pioneer	P9535AM	102	24.8	1	100	19.0	0	101	28.7	0
2850	Brevant	B96H83AM	103	24.1	0	110	19.4	1	101	27.5	0
2850	Brevant	B96R56AM	95	23.4	1	97	18.6	0	94	28.8	0
2850	DEKALB	DKC44-80RIB	106	23.7	3	97	18.5	0	98	28.0	0
2850	Maizex	MZ 3505DBR	105	24.4	0	108	18.2	0	110	27.7	0
2850	NK Brand	NK9535 3220	104	25.2	2	99	18.3	3	108	27.5	0
2850	Pioneer	P9608AM	92	24.9	0	106	19.0	0	93	28.9	0
2850	PRIDE Seeds	A6572G2 RIB	93	24.9	0	92	18.5	2	94	29.5	0
2875	DEKALB	DKC45-65RIB	97	24.4	0	99	18.8	0	99	28.6	0
2875	DEKALB	DKC46-50RIB	103	25.7	0	90	18.9	2	97	28.9	0
2875	Horizon	HX 3602	104	25.7	0	101	19.2	0	102	27.5	0
2875	Maizex	MZ 3690DBR	93	24.6	0	113	18.9	2	92	27.6	0
2875	NK Brand	NK9653-5222	98	25.6	0	95	19.5	2	104	26.9	0
2875	PRIDE Seeds	A6585G8 RIB	98	24.6	2	100	18.7	1	97	29.9	0
2900	CROPLAN	CP3720TRE				104	18.6	0			
2900	CROPLAN	CP3735VT2P/RIB	90	24.2	0	102	18.7	6	94	28.3	0
2900	CROPLAN	CP3980VT2P	111	24.5	1	104	18.9	2	106	28.8	0
2900	DEKALB	DKC46-40RIB	107	25.1	0	113	18.7	0	106	27.6	0
2900	DLF PICKSEED	PS 2932VT2P RIB	92	25.1	1	98	18.4	1	101	29.1	0
2900	Horizon	HZ 3787	97	26.2	6	88	19.0	3	100	28.2	0
2900	PRIDE Seeds	A6694G2 RIB	104	25.1	0	102	19.0	0	104	26.7	0
2925	Brevant	B98D25AM	102	24.6	0	97	19.4	0	98	28.7	0
2925	DLF PICKSEED	PS 29185GSX	106	26.4	0	106	19.2	0	105	29.2	0
2925	Maizex	E67H92 R	93	25.1	0	102	19.1	0	101	29.3	0
2925	Maizex	MZ 3818DBR	107	24.9	2	101	18.7	0	104	29.0	0
2925	Maizex	MZ 3877SMX	104	25.1	0	96	19.3	3	100	27.9	0
2925	Pioneer	P9823Q	106	25.4	0	113	19.7	2	110	29.1	0
2950	DEKALB	DKC48-56RIB	102	24.1	0	101	18.9	1	103	28.4	0
2950	DEKALB	DKC48-70RIB	109	24.6	1	94	19.1	2	107	30.2	0

(continued)

CORN — Blyth, Port Hope, Waterloo *(continued)*

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages[1] average of 6 trials Yield Index	Moist %	Ldg %	Test Wt Index	2021 averages[2] average of 3 trials Yield Index	Moist %	Ldg %	Test Wt Index
2950	Maizex	EX18-30SMX	6	F						24.8	0	98
2950	Pioneer	P9946AML	23	L	100	24.7	1	102	99	24.6	0	102
2950	Pioneer	P9998AM	23	L	102	25.4	0	100	100	24.6	1	100
2950	PRIDE Seeds	A6888G2 RIB	6	F	101	24.5	1	100	100	24.1	0	100
2975	DEKALB	DKC49-09RIB	6	L	101	25.0	0	100	103	24.8	0	100
2975	DLF PICKSEED	PS 29191VT2P	6	L					110	24.4	2	100
2975	DLF PICKSEED	PS 2955GSX RIB	8	L	100	24.8	1	100	104	24.8	1	101
2975	Horizon	HX 3958	34	F					103	26.0	0	102
2975	Maizex	MZ 4040DBR	6	F	108	25.9	2	99	107	25.2	2	99
2975	Maizex	MZ 4280DBR	6	F	104	25.2	2	100	104	25.2	1	99
3000	Brevant	B00R96AM	23	L	104	26.0	0	99	103	25.6	1	99
3000	CROPLAN	4188VT2P/RIB	6	F	104	26.3	0	99	107	25.4	1	100
3000	CROPLAN	CF598	8	F	103	24.3	1	101	105	24.6	1	101
3000	NK Brand	NK9991-5122	33	F	104	25.0	0	99	105	24.5	0	99
3000	Pioneer	P0035AM	23	L					106	24.8	0	98
3000	Pioneer	P0075AM	23	L	106	26.9	1	98	109	25.8	2	98
3000	PRIDE Seeds	XP21098G4	32	P					109	24.4	0	99
3050	CROPLAN	CP4265VT2P/RIB	6	F	103	25.9	0	99	103	25.0	1	99
3050	DEKALB	DKC50-30RIB	8	L					108	25.0	0	101
3050	DEKALB	DKC51-98RIB	8	L	104	25.3	1	98	104	25.4	1	97
3050	Pioneer	P0157AMXT	24	L	101	25.8	1	101	104	25.0	1	102
3100	DEKALB	DKC52-52RIB	8	L					110	25.9	0	100
3100	Maizex	MZ 4158DBR	6	F	110	26.1	2	97	113	26.1	1	98
	LSD (0.10) for Yield Index Points*				4				6			
	Average all hybrids†				225	24.3	1	69	227	24.0	1	69

1 Blyth 2020-2021, Port Hope 2020-2021, Waterloo 2020-2021
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.
Note: The accuracy of moisture measurement decreases as moisture content increases. This also affects the accuracy of yield determination. Results for hybrids with moisture contents over 30% should be interpreted with much caution.

2021 VARIETIES SELECTED

	Variety	Variety	Variety
Seeding date:			
Harvest date:			
Yield:			

			Results of 2021 Performance Trials								
			BLYTH			PORT HOPE			WATERLOO		
CHU	Brand and/or Hybrid		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2950	Maizex	EX18-30SMX		26.5	1	111	19.0	0	112	29.0	0
2950	Pioneer	P9946AML	105	25.7	0	90	19.0	0	99	29.1	0
2950	Pioneer	P9998AM	97	25.2	0	101	19.5	2	102	29.2	0
2950	PRIDE Seeds	A6888G2 RIB	102	24.9	1	91	18.9	0	104	28.4	0
2975	DEKALB	DKC49-09RIB	101	25.9	1	99	18.7	0	106	29.8	0
2975	DLF PICKSEED	PS 29191VT2P	108	25.2	3	103	19.1	3	117	29.0	0
2975	DLF PICKSEED	PS 2955GSX RIB	111	25.8	0	99	18.8	2	100	29.8	0
2975	Horizon	HX 3958	103	27.1	0	100	19.5	0	104	31.4	0
2975	Maizex	MZ 4040DBR	110	27.3	7	96	19.4	0	112	29.0	0
2975	Maizex	MZ 4280DBR	101	26.3	3	102	19.2	1	107	30.1	0
3000	Brevant	B00R96AM	103	27.2	0	109	19.4	2	98	30.1	0
3000	CROPLAN	4188VT2P/RIB	108	26.2	0	114	18.8	2	101	31.1	0
3000	CROPLAN	CF598	101	25.0	0	108	19.1	1	107	29.6	0
3000	NK Brand	NK9991-5122	110	25.4	0	102	19.0	1	101	29.1	0
3000	Pioneer	P0035AM	108	26.0	0	110	19.2	0	100	29.2	0
3000	Pioneer	P0075AM	105	27.2	1	113	19.5	5	110	30.6	0
3000	PRIDE Seeds	XP21098G4	109	24.6	0	106	19.0	0	111	29.6	0
3050	CROPLAN	CP4265VT2P/RIB	105	25.5	0	100	18.7	1	102	30.7	0
3050	DEKALB	DKC50-30RIB	113	25.3	0	101	19.4	1	108	30.5	0
3050	DEKALB	DKC51-98RIB	104	26.5	0	108	19.1	3	101	30.5	0
3050	Pioneer	P0157AMXT	108	25.3	0	110	19.7	3	95	30.0	0
3100	DEKALB	DKC52-52RIB	107	27.4	0	110	19.4	0	114	31.0	0
3100	Maizex	MZ 4158DBR	117	26.9	0	106	19.5	2	114	31.8	0
	LSD (0.10) for Yield Index Points*		8			16			7		
	Average all hybrids†		245	24.8	1	185	18.9	2	252	28.4	0

FIELD NOTES

CORN — Exeter, Ilderton, Woodstock, Belmont

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages[1] average of 8 trials Yield Index	Moist %	Ldg %	Test Wt Index	2021 averages[2] average of 4 trials Yield Index	Moist %	Ldg %	Test Wt Index
2825	Brevant	B95R46AM	23	L	94	21.4	0	100	90	19.3	0	101
2850	Brevant	B96H83AM	23	L					96	20.6	1	103
2850	Brevant	B96R56AM	23	L					100	20.2	0	105
2900	CROPLAN	CP3735VT2P/RIB	6	F					93	19.8	0	104
2900	CROPLAN	CP3980VT2P	6	F					105	20.0	0	100
2925	Brevant	B98D25AM	23	L	95	22.6	0	102	92	21.1	0	102
2925	Maizex	MZ 3818DBR	6	F	100	22.9	0	101	102	20.4	0	101
2925	Maizex	MZ 3877SMX	8	F	96	22.7	0	101	94	20.7	0	101
2925	Pioneer	P9823Q	36	L					102	20.7	1	99
2950	Maizex	EX18-30SMX	6	F						21.8	0	98
2950	Maizex	MZ 397	0	F					105	20.1	0	100
2950	Pioneer	P9946AML	23	L	97	22.8	0	103	99	20.7	0	103
2950	Pioneer	P9998AM	23	L	99	23.5	0	101	93	21.0	0	101
2950	PRIDE Seeds	A6757G8 RIB	8	F					99	20.8	0	100
2975	DEKALB	DKC49-09RIB	6	L	102	22.5	0	102	100	20.2	0	102
2975	DLF PICKSEED	PS 29191VT2P	6	L					103	20.8	0	99
2975	DLF PICKSEED	PS 2955GSX RIB	8	L	96	22.7	0	102	96	21.1	0	100
2975	Maizex	MZ 4040DBR	6	F	103	24.4	0	99	102	21.3	0	100
2975	Maizex	MZ 4049SMX	8	F	104	23.8	0	100	104	22.0	1	100
2975	Maizex	MZ 4280DBR	6	F					104	21.3	1	100
3000	Brevant	B00R96AM	23	L	101	23.5	0	100	100	20.7	0	100
3000	CROPLAN	4188VT2P/RIB	6	F	101	23.9	0	99	100	20.9	0	99
3000	Maizex	MZ 4151TRE	32	F					94	20.4	1	99
3000	NK Brand	NK9991-5122	33	F	101	23.5	0	101	98	21.4	0	101
3000	Pioneer	P0035AM	23	L					103	21.0	1	99
3000	Pioneer	P0075AM	23	L	103	23.8	0	99	104	21.2	0	100
3000	PRIDE Seeds	XP21098G4	32	P					100	20.4	0	99
3025	Horizon	HZ 4169	27	F					96	21.3	1	101
3050	CROPLAN	CP4265VT2P/RIB	6	F					99	21.1	0	99
3050	DEKALB	DKC50-30RIB	8	L					98	20.6	0	100
3050	DEKALB	DKC51-98RIB	8	L	99	23.1	0	100	97	21.2	0	100
3050	Pioneer	P0157AMXT	24	L	97	23.4	0	102	95	21.1	0	102
3050	PRIDE Seeds	A7197G8 RIB	8	F					97	21.5	0	99
3075	NK Brand	NK0243-5122	33	F	105	24.5	1	97	107	21.9	1	97
3100	DEKALB	DKC52-52RIB	8	L					108	21.6	0	99
3100	Horizon	HZ 4314	33	F	103	25.3	2	97	99	22.6	5	96
3100	Maizex	MZ 4158DBR	6	F	104	23.5	0	99	107	21.5	0	99
3100	Maizex	MZ 4691DBR	6	F	97	24.1	0	102	94	21.3	0	102
3100	NK Brand	NK0314-5122	33	F					94	22.9	1	102
3100	NK Brand	NK0472-5222	34	F	97	24.9	0	101	100	22.5	0	101
3100	Pioneer	P0306AM	23	L	96	24.1	0	100	95	21.7	0	100
3100	PRIDE Seeds	A7286G7 E-Z Refuge	34	F					95	21.9	0	100
3125	Brevant	B04D72Q	36	L					106	22.0	0	99
3125	Brevant	B04S21AM	23	L	103	25.2	0	99	100	22.2	0	100
3125	DEKALB	DKC53-60RIB	32	L					102	20.8	0	99
3125	DEKALB	DKC53-87RIB	8	L					103	22.5	0	100
3125	Pioneer	P0404AM	23	L					99	22.2	0	99
3125	Pioneer	P0434AM	23	L					103	21.8	0	102
3125	Pioneer	P0487Q	36	L					107	21.7	1	98
3150	CROPLAN	CF674	8	F					98	22.7	0	99
3150	De Dell	DL 6590	0	—	101	25.5	0	95	102	22.8	0	95
3150	Maizex	MZ 4577SMX	8	F					102	23.0	0	99
3150	Pioneer	P0506AM	23	L	105	25.0	0	100	106	22.7	1	100
3175	CROPLAN	4676SS/RIB	8	F	100	25.3	1	99	101	22.8	1	99
3175	DEKALB	DKC54-77RIB	6	L					102	20.4	1	100
3200	Maizex	MZ 4608SMX	8	F					109	23.0	0	98
	LSD (0.10) for Yield Index Points*				3				5			
	Average all hybrids†				225	23.8	0	69	231	21.3	0	71

1 Exeter 2020-2021, Ilderton 2020-2021, Woodstock 2020-2021, Belmont 2020-2021

2 Exeter, 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.

			Results of 2021 Performance Trials											
			BELMONT			EXETER			ILDERTON			WOODSTOCK		
CHU	Brand and/or Hybrid		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2825	Brevant	B95R46AM	84	17.9	0	95	20.1	0	85	19.3	0	97	19.8	0
2850	Brevant	B96H83AM	94	18.9	0	97	21.5	1	93	20.9	0	102	21.1	2
2850	Brevant	B96R56AM	101	19.0	1	100	20.9	1	103	20.9	0	95	20.0	0
2900	CROPLAN	CP3735VT2P/RIB	95	17.7	0	97	21.8	0	85	19.4	0	94	20.2	0
2900	CROPLAN	CP3980VT2P	109	18.0	0	104	22.1	1	99	18.6	0	106	21.1	0
2925	Brevant	B98D25AM	91	19.5	0	91	22.3	0	98	20.6	0	88	21.8	0
2925	Maizex	MZ 3818DBR	88	18.7	0	103	21.8	0	108	20.7	0	108	20.2	0
2925	Maizex	MZ 3877SMX	92	19.0	0	93	21.9	0	87	20.6	0	105	21.4	0
2925	Pioneer	P9823Q	96	19.2	3	102	21.7	1	109	20.6	0	101	21.1	1
2950	Maizex	EX18-30SMX		20.1	0		22.8	0		21.4	0	107	22.8	0
2950	Maizex	MZ 397	111	18.3	0	101	21.7	0	101	19.9	0	107	20.4	1
2950	Pioneer	P9946AML	96	19.4	0	98	22.1	0	108	20.6	0	94	20.8	2
2950	Pioneer	P9998AM	91	19.2	0	89	22.1	0	93	21.4	0	97	21.3	0
2950	PRIDE Seeds	A6757G8 RIB	100	18.6	0	93	22.9	0	100	20.6	0	105	21.2	0
2975	DEKALB	DKC49-09RIB	96	18.7	0	103	22.1	1	101	18.4	0	100	21.4	0
2975	DLF PICKSEED	PS 29191VT2P	105	19.2	0	105	22.7	0	101	20.5	0	102	20.8	0
2975	DLF PICKSEED	PS 2955GSX RIB	95	19.1	0	100	23.0	0	94	21.4	0	93	20.9	0
2975	Maizex	MZ 4040DBR	103	19.1	0	96	22.9	0	111	21.1	0	100	22.0	1
2975	Maizex	MZ 4049SMX	105	20.3	4	104	23.7	0	110	21.8	0	98	22.2	0
2975	Maizex	MZ 4280DBR	105	19.8	0	105	22.4	3	103	21.1	0	103	21.9	1
3000	Brevant	B00R96AM	101	19.2	0	100	21.6	0	94	21.0	0	105	21.1	0
3000	CROPLAN	4188VT2P/RIB	99	18.8	0	104	22.3	0	103	21.3	0	96	21.4	0
3000	Maizex	MZ 4151TRE	93	18.8	1	98	21.9	1	93	20.2	0	93	20.5	0
3000	NK Brand	NK9991-5122	100	19.4	0	101	23.4	0	93	20.5	0	98	22.4	0
3000	Pioneer	P0035AM	99	19.3	0	105	21.7	1	105	20.5	0	105	22.7	2
3000	Pioneer	P0075AM	103	19.6	0	103	22.7	0	98	21.2	0	111	21.2	0
3000	PRIDE Seeds	XP21098G4	103	19.2	0	102	22.1	1	97	19.3	0	97	20.9	0
3025	Horizon	HZ 4169	100	19.4	0	89	23.0	3	102	20.5	1	92	22.3	0
3050	CROPLAN	CP4265VT2P/RIB	101	18.6	0	99	22.6	0	99	21.1	0	96	22.0	1
3050	DEKALB	DKC50-30RIB	98	19.2	0	99	22.0	0	105	20.0	0	92	21.0	0
3050	DEKALB	DKC51-98RIB	94	19.8	0	96	22.8	0	100	21.1	0	98	20.9	0
3050	Pioneer	P0157AMXT	87	18.5	1	93	22.2	0	95	21.8	0	106	22.0	0
3050	PRIDE Seeds	A7197G8 RIB	98	19.3	0	96	22.5	0	101	21.6	0	94	22.5	0
3075	NK Brand	NK0243-5122	114	20.2	1	107	22.6	1	99	21.3	0	108	23.3	2
3100	DEKALB	DKC52-52RIB	109	20.5	0	106	23.9	0	105	21.2	0	112	21.0	0
3100	Horizon	HZ 4314	101	20.9	0	99	24.4	14	101	21.7	1	96	23.4	3
3100	Maizex	MZ 4158DBR	104	19.3	0	102	23.1	0	110	21.1	0	111	22.3	0
3100	Maizex	MZ 4691DBR	95	18.6	0	89	23.3	0	95	21.4	0	99	22.0	0
3100	NK Brand	NK0314-5122	96	21.0	1	98	24.4	2	84	22.3	0	99	23.8	0
3100	NK Brand	NK0472-5222	102	20.7	0	98	24.4	0	98	21.4	0	103	23.7	0
3100	Pioneer	P0306AM	95	19.6	2	94	22.9	0	90	21.6	0	98	22.6	0
3100	PRIDE Seeds	A7286G7 E-Z Refuge	106	20.1	0	90	23.7	1	97	20.9	1	85	22.9	0
3125	Brevant	B04D72Q	101	20.1	0	111	23.1	0	113	21.7	0	101	23.1	2
3125	Brevant	B04S21AM	97	20.6	0	100	23.3	0	102	22.5	0	101	22.5	0
3125	DEKALB	DKC53-60RIB	99	19.6	1	107	21.9	0	100	19.6	0	101	21.9	0
3125	DEKALB	DKC53-87RIB	105	20.6	1	104	23.6	1	104	21.7	0	99	24.1	0
3125	Pioneer	P0404AM	99	20.1	0	96	22.9	0	99	22.3	0	100	23.4	0
3125	Pioneer	P0434AM	109	19.4	0	107	23.3	0	96	22.0	1	101	22.6	0
3125	Pioneer	P0487Q	107	20.0	3	110	22.6	0	103	22.1	0	106	22.2	0
3150	CROPLAN	CF674	103	20.2	0	90	24.7	1	99	21.6	0	99	24.3	0
3150	De Dell	DL 6590	105	21.1	0	109	23.8	0	96	22.8	0	99	23.5	0
3150	Maizex	MZ 4577SMX	99	21.9	0	102	24.3	0	102	22.8	0	105	22.9	0
3150	Pioneer	P0506AM	104	21.1	0	107	24.2	2	109	22.5	0	106	23.1	0
3175	CROPLAN	4676SS/RIB	103	20.5	0	105	24.5	5	110	21.9	0	87	24.4	0
3175	DEKALB	DKC54-77RIB	101	18.5	0	103	22.3	1	100	19.9	0	103	21.1	2
3200	Maizex	MZ 4608SMX	113	21.6	1	109	24.5	0	117	22.5	0	97	23.6	0
	LSD (0.10) for Yield Index Points*		9			10			12			11		
	Average all hybrids†		244	19.6	0	233	22.8	1	212	21.1	0	236	22.0	0

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.

Note: The accuracy of moisture measurement decreases as moisture content increases. This also affects the accuracy of yield determination. Results for hybrids with moisture contents over 30% should be interpreted with much caution.

CORN — Ridgetown, Tilbury, Dresden

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages[1] average of 5 trials Yield Index	Moist %	Ldg %	Test Wt Index	2021 averages[2] average of 3 trials Yield Index	Moist %	Ldg %	Test Wt Index
3000	Brevant	B00R96AM	23	L	97	20.5	1	101	96	19.1	1	101
3000	CROPLAN	4188VT2P/RIB	6	F	96	20.2	0	99	95	18.4	0	99
3000	Maizex	MZ 4151TRE	32	F					96	18.0	0	98
3000	Pioneer	P0035AM	23	L					103	19.1	1	99
3000	Pioneer	P0075AM	23	L	95	20.4	1	100	92	19.2	0	100
3050	CROPLAN	CP4265VT2P/RIB	6	F	98	20.1	0	99	98	18.8	0	99
3050	Pioneer	P0157AMXT	24	L					96	19.1	1	102
3075	NK Brand	NK0243-5122	33	F	96	21.0	3	97	96	19.4	4	97
3100	Horizon	HZ 4314	33	F	102	22.0	0	97	106	20.1	1	97
3100	Maizex	MZ 4158DBR	6	F					100	18.9	0	99
3100	NK Brand	NK0314-5122	33	F					94	20.0	4	102
3100	NK Brand	NK0472-5222	34	F	98	21.5	0	102	101	19.9	0	101
3100	Pioneer	P0306AM	23	L	94	21.2	0	101	95	19.4	0	101
3125	Brevant	B04D72Q	36	L					102	19.6	1	99
3125	Brevant	B04S21AM	23	L	98	21.7	0	101	98	19.9	0	101
3125	DEKALB	DKC53-60RIB	32	L					99	18.7	0	99
3125	DEKALB	DKC53-87RIB	8	L	97	20.5	1	102	96	19.4	1	101
3125	Pioneer	P0404AM	23	L					99	19.6	0	100
3125	Pioneer	P0434AM	23	L					96	19.6	0	102
3125	Pioneer	P0487Q	36	L					102	19.3	0	100
3150	CROPLAN	CF674	8	F	95	20.6	0	101	96	19.4	0	100
3150	Maizex	MZ 4577SMX	8	F	101	20.8	0	101	99	19.7	1	100
3150	Pioneer	P0506AM	23	L					97	19.8	1	101
3175	CROPLAN	4676SS/RIB	8	F	98	21.1	1	101	96	19.6	2	101
3175	DEKALB	DKC54-45RIB	8	L	101	20.7	0	100	101	19.4	0	99
3175	DEKALB	DKC54-77RIB	6	L	97	20.0	1	100	95	18.8	1	100
3175	DEKALB	DKC56-15RIB	32	L					109	19.7	0	98
3175	PRIDE Seeds	A7373G2 RIB	6	F	103	21.5	0	101	102	19.6	0	101
3200	Brevant	B07M64AM	23	L	109	22.0	0	99	110	19.8	0	99
3200	CROPLAN	4791AS3111	20	F	100	22.4	0	99	99	20.3	0	99
3200	DEKALB	DKC56-65RIB	8	L	102	22.0	0	99	104	19.8	0	99
3200	Maizex	MZ 452	0	F	106	20.9	0	99	102	19.2	0	99
3200	Maizex	MZ 4608SMX	8	F					108	19.6	0	99
3200	PRIDE Seeds	A7464G4 RIB	32	F					98	19.5	1	100
3225	Pioneer	P0720AM	23	L	102	22.9	0	99	102	20.2	0	99
3250	DEKALB	DKC57-16RIB	32	L					100	20.8	0	101
3250	DEKALB	DKC58-34RIB	8	A					102	19.5	0	102
3250	Maizex	MZ 4888SMX	8	F	100	21.3	1	103	99	19.6	0	102
3250	Pioneer	P0806AM	23	L					100	20.3	0	99
3250	PRIDE Seeds	A7790G8 RIB	8	F	100	22.0	0	102	96	20.5	0	102
3275	Maizex	MZ 4821DBR	6	F					109	20.5	0	100
3275	Maizex	MZ 5088DBR	6	F	101	22.2	0	100	101	19.9	0	100
3300	CROPLAN	4997VT2P/RIB	6	F	104	22.9	0	99	103	20.0	0	99
3300	PRIDE Seeds	A7818G2 RIB	6	F	103	21.3	0	98	105	18.9	0	98
3325	DEKALB	DKC60-87RIB	8	L					102	20.4	0	101
3400	PRIDE Seeds	A8303G8 RIB	8	F	105	22.9	0	100	106	21.7	1	101
	LSD (0.10) for Yield Index Points*				4				5			
	Average all hybrids†				247	21.3	0	71	247	19.6	0	72

1 Ridgetown 2020-2021, Tilbury 2021, Dresden 2020-2021

2 Ridgetown, Tilbury, 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.

Note: The accuracy of moisture measurement decreases as moisture content increases. This also affects the accuracy of yield determination. Results for hybrids with moisture contents over 30% should be interpreted with much caution.

			Results of 2021 Performance Trials								
			DRESDEN			RIDGETOWN			TILBURY		
CHU	Brand and/or Hybrid		Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
3000	Brevant	B00R96AM	95	18.2	4	98	22.3	0	96	16.9	0
3000	CROPLAN	4188VT2P/RIB	90	17.2	0	98	21.2	0	96	16.8	0
3000	Maizex	MZ 4151TRE	91	16.7	0	100	20.5	0	95	16.8	0
3000	Pioneer	P0035AM	102	18.0	0	101	22.2	0	106	17.2	2
3000	Pioneer	P0075AM	89	18.7	0	100	21.8	0	85	17.1	1
3050	CROPLAN	CP4265VT2P/RIB	98	17.6	0	99	21.8	0	98	17.0	0
3050	Pioneer	P0157AMXT	96	18.3	0	96	21.5	0	95	17.3	1
3075	NK Brand	NK0243-5122	96	19.1	7	96	22.1	2	94	17.0	1
3100	Horizon	HZ 4314	111	19.4	1	99	23.9	0	108	17.1	1
3100	Maizex	MZ 4158DBR	102	17.5	0	100	22.2	0	98	17.1	0
3100	NK Brand	NK0314-5122	97	19.7	5	93	22.7	2	93	17.6	5
3100	NK Brand	NK0472-5222	108	19.2	1	95	23.4	0	99	17.0	0
3100	Pioneer	P0306AM	94	18.9	0	99	22.2	0	90	17.1	0
3125	Brevant	B04D72Q	97	18.5	0	106	23.2	0	102	17.2	2
3125	Brevant	B04S21AM	102	19.4	0	99	23.2	0	93	17.2	0
3125	DEKALB	DKC53-60RIB	102	17.7	0	97	21.5	0	100	16.9	0
3125	DEKALB	DKC53-87RIB	100	18.4	0	96	22.5	0	90	17.3	2
3125	Pioneer	P0404AM	94	19.3	0	100	22.1	0	102	17.3	0
3125	Pioneer	P0434AM	96	19.2	0	99	22.4	0	92	17.3	0
3125	Pioneer	P0487Q	103	18.6	0	106	22.2	0	98	17.2	0
3150	CROPLAN	CF674	101	18.3	0	95	22.8	0	93	17.1	0
3150	Maizex	MZ 4577SMX	95	18.0	1	98	23.7	0	103	17.4	0
3150	Pioneer	P0506AM	95	19.4	0	102	22.8	0	93	17.3	2
3175	CROPLAN	4676SS/RIB	94	18.1	2	99	23.4	1	95	17.3	1
3175	DEKALB	DKC54-45RIB	100	17.9	1	102	23.2	0	99	17.1	0
3175	DEKALB	DKC54-77RIB	94	17.5	1	95	21.8	0	96	16.9	1
3175	DEKALB	DKC56-15RIB	105	19.2	0	107	22.6	0	115	17.2	1
3175	PRIDE Seeds	A7373G2 RIB	99	19.1	0	102	22.6	0	105	17.1	0
3200	Brevant	B07M64AM	108	19.0	0	104	23.2	0	118	17.2	0
3200	CROPLAN	4791AS3111	99	19.7	0	91	23.9	0	108	17.3	0
3200	DEKALB	DKC56-65RIB	105	18.2	0	103	24.0	0	104	17.3	1
3200	Maizex	MZ 452	104	18.1	0	105	22.5	0	97	17.0	1
3200	Maizex	MZ 4608SMX	107	18.2	0	103	23.0	0	115	17.4	0
3200	PRIDE Seeds	A7464G4 RIB	99	18.3	0	97	23.1	0	99	17.0	2
3225	Pioneer	P0720AM	103	19.6	0	104	23.7	0	99	17.5	1
3250	DEKALB	DKC57-16RIB	104	19.9	0	94	25.2	0	103	17.3	1
3250	DEKALB	DKC58-34RIB	106	18.3	0	99	23.2	0	101	17.1	0
3250	Maizex	MZ 4888SMX	97	18.6	0	100	22.8	0	102	17.3	0
3250	Pioneer	P0806AM	98	19.8	0	102	23.9	0	100	17.3	0
3250	PRIDE Seeds	A7790G8 RIB	96	19.7	0	100	24.2	0	93	17.5	0
3275	Maizex	MZ 4821DBR	111	19.6	0	104	24.8	0	112	17.2	0
3275	Maizex	MZ 5088DBR	100	18.4	1	103	24.1	0	101	17.1	0
3300	CROPLAN	4997VT2P/RIB	103	18.4	0	102	24.5	0	104	17.1	1
3300	PRIDE Seeds	A7818G2 RIB	104	17.4	0	104	22.5	0	106	16.8	0
3325	DEKALB	DKC60-87RIB	100	19.7	0	105	24.4	0	99	17.1	0
3400	PRIDE Seeds	A8303G8 RIB	106	20.9	0	102	26.1	0	110	18.1	2
	LSD (0.10) for Yield Index Points*		7			5			12		
	Average all hybrids†		245	18.7	1	260	23.0	0	234	17.2	1

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Soybean Crops

ONTARIO SOYBEAN AND CANOLA COMMITTEE (OSACC)

This organization is made up of representatives of Agriculture & AgriFood Canada, the University of Guelph, the Ontario Seed Growers Association, Seeds Canada, the Grain Farmers of Ontario, OMAFRA and various agricultural organizations. Soybean variety Trials are conducted each year by AAFC research centres at Ottawa and Harrow; University of Guelph and its regional campuses at Ridgetown, Winchester and New Liskeard; or by a contractor under the directions of regional MG zone coordinators. 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)

RR2X: Roundup Ready 2 Xtend™ (Trademark of Monsanto Company)

E3: Enlist E3™ (Trademark of Dow AgroSciences, DuPont or Pioneer and affiliated companies or their respective owners)

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 63.

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.

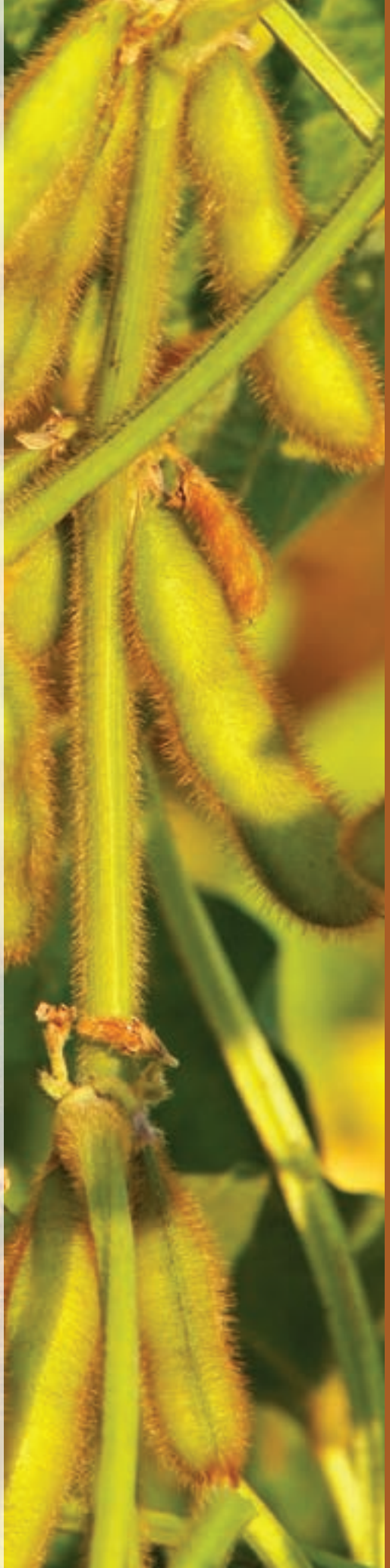

PHOTO: EMILI0100/ISTOCK/GETTY IMAGES

Ontario Performance Trial Data

SOYBEANS

Interpretation of Variety Description Table

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

Phytophthora root rot testing is carried out on clay soils infested with common races of Phytophthora at Woodslee. The loss was estimated based on the difference between count 2 and count 1, taken as a percentage. The limitation in this counting method is that it does not take into account preemergence mortality due to PRR nor does it take into account late season mortality. Starting in 2019 we began expressing the PRR ratings based on final stand in a High phytophthora pressure environment. This final stand was only rated once for all maturity groups and this was again changed to rate the plants near the R6 growth stage which was done in 2020 in order to capture late season PRR damage.

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

2021 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	192,000	Leo Blydorp	ORDC, AAFC, Ottawa
Arthur	2b	0.2	clay loam	56	192,000	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	192,000	Neil Mitchell	ORDC, AAFC, Ottawa
Port Hope	3	1.0	sandy loam	56	192,000	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	OAC, U of Guelph	OAC, U of Guelph
Exeter	4	1.7	clay loam	38	200,000	Huron Research Station	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	56	192,000	Dan Curtis	Ridgetown Campus, U of Guelph
Palmyra	5	2.7	clay	43	235,000	Richard Wierenga	Ridgetown Campus, U of Guelph
Inwood	5	2.4	clay	43	235,000	Jeff Lassaline	Ridgetown Campus, U of Guelph
Ridgetown	5	2.8	clay loam	43	200,000	Ridgetown Campus, U of Guelph	Ridgetown Campus, U of Guelph
Chatham	6	2.9	clay loam	43	200,000	Heather Macleod	Ridgetown Campus, U of Guelph
Merlin	6	3.1	clay	43	235,000	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.

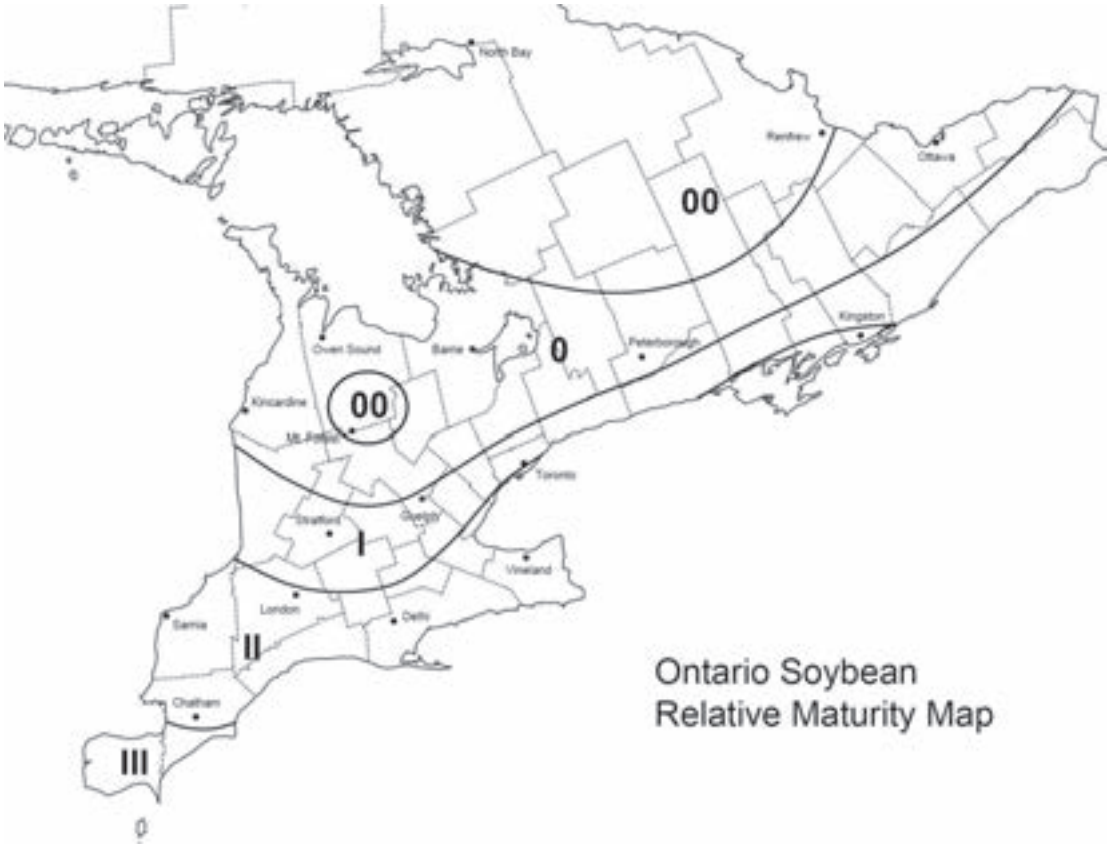

TABLE 1 — Variety Descriptions

Variety	Notes	Herbicide Reaction	Relative[1] Maturity	Hilum Colour	Seeds per Kg	Phytophthora[2] Root Rot % Plant Loss	Distributor
Briggs R2X	SCN 1c	RR2X	000.7	BL	—	—	SeCan
Evo E3		E3	000.7	BF	—	—	Prograin
S0007-S1X	1c, 3a	RR2X	000.7	IY	—	—	Syngenta Canada, Inc.
DKB0009-89	1c, 1k	RR2X	000.9	BL	6300	44	DEKALB
Fresco R2X	1a	RR2X	000.9	BL	7000	—	Prograin
S0009-M2	6	RR2Y	000.9	IY	7100	46	Syngenta Canada, Inc.
DKB002-32	SCN 1k	RR2X	00.2	BR	9300	29	DEKALB
JAGO			00.2	Y	4900	—	SG Ceresco, Inc.
Mahony R2		RR2Y	00.2	BL	5300	45	SeCan
003-R5X	1c	RR2X	00.3	IY	—	—	Syngenta Canada, Inc.
Bourke R2X	1k	RR2X	00.4	BL	8100	41	SeCan
Merino R2X	SCN 1k	RR2X	00.4	BL	4800	—	Prograin
Mozart			00.4	Y	4600	—	Semican Inc.
Aurelina(t)			00.5	IY	5000	46	C&M Seeds
P005A83X	SCN 1c	RR2X	00.5	BL	6200	—	Pioneer
S007-Y4	1c	RR2Y	00.5	IY	5700	36	Syngenta Canada, Inc.
Kudo R2X		RR2X	00.6	BL	6100	—	Prograin
P006A37X	1c	RR2X	00.6	BR	7200	—	Pioneer
PS 0068 XR	1c	RR2X	00.6	BL	5700	61	PRIDE Seeds
S006-K3X	SCN 1c	RR2X	00.6	BF	6000	—	Syngenta Canada, Inc.
SI 00620XTN	SCN 1c	RR2X	00.6	BL	4800	—	Sevita International
Elmo E3	SCN 1a	E3	00.7	LBR	6800	—	Prograin
PS 0074 R2		RR2Y	00.7	BR	6100	50	PRIDE Seeds
S007-Z1X	1c	RR2X	00.7	BR	5200	45*	Syngenta Canada, Inc.
SI 007XTN	SCN 1c	RR2X	00.7	BL	4500	—	Sevita International
Windsor			00.7	LBR	4600	—	Semican Inc.
AAC Hensatto			00.8	Y	10500	—	Hensall Co-op
BAFFIN			00.8	IY	5300	—	SG Ceresco, Inc.
DKB008-48		RR2X	00.8	BL	6000	28*	DEKALB
Mao R2X	SCN 1c	RR2X	00.8	BL	5700	—	Prograin
S008-N2		RR2Y	00.8	BR	5000	44	Syngenta Canada, Inc.
SI 00820XTN	SCN 3a	RR2X	00.8	BL	5100	41*	Sevita International
Kazart			00.9	Y	4700	—	Semican Inc.
PS 0098 XR	1k	RR2X	00.9	BL	5900	32	PRIDE Seeds
Triquet R2X	SCN 1k	RR2X	00.9	BL	4800	—	SeCan
Verso R2X	1k	RR2X	00.9	BR	5700	—	Prograin
Atiron			0	IY	4900	43*	Huron Commodities Inc.
Bronco R2X	1c, 6	RR2X	0	IY	4900	—	Prograin
DKB00-20	SCN 3a	RR2X	0	BL	5400	32*	DEKALB
PRO 2525R2		RR2Y	0	BL	4900	41	Sevita International
B011DE	1c	E3	0.1	BF	6100	—	Brevant Seeds
Grizzly R2X	SCN 1k, 3a	RR2X	0.1	BL	5900	—	Elite
LS 008R21		RR2Y	0.1	BR	5300	49	Sevita International
Rico R2X	SCN 1c	RR2X	0.1	LBR	6100	—	Prograin
S01-C4X	1c	RR2X	0.1	BL	5700	46	Syngenta Canada, Inc.
Arenda			0.2	IY	4500	39*	Huron Commodities Inc.
Asahi			0.2	IY	5200	—	Synagri
Donaldo R2X	1c	RR2X	0.2	BL	5600	—	Prograin
Emilio E3	1a, 3a	E3	0.2	BF	5500	—	Prograin
Haltifo			0.2	Y	4500	—	Cerela
Kyoto			0.2	Y	4900	—	Synagri
PRO 03X74	1c	RR2X	0.2	BR	5700	48	Sevita International
PS 0229 XRN	SCN	RR2X	0.2	BL	5600	41	PRIDE Seeds
S02-M4XF	SCN 1c	XF	0.2	BL	6300	—	Syngenta Canada, Inc.
AAC Hoshi			0.3	Y	9000	47	Huron Commodities Inc.
AAC Shinju(t)	1c		0.3	Y	8900	39	Huron Commodities Inc.
Astor		MS	0.3	Y	4500	—	Sevita International
Cobra R2X	SCN 1c	RR2X	0.3	BR	6000	—	Elite
DKB03-25	1c	RR2X	0.3	BR	5600	32*	DEKALB
EXP0321XRN	SCN 1c	RR2X	0.3	IBL	5800	—	PRIDE Seeds
Panorama	1c, 6		0.3	Y	4800	44	Sevita International

Variety	Notes	Herbicide Reaction	Relative[1] Maturity	Hilum Colour	Seeds per Kg	Phytophthora[2] Root Rot % Plant Loss	Distributor
S03-P4Ω	SCN 1c, 3a		0.3	IY	4800	50*	Syngenta Canada, Inc.
SI 0320XTN	SCN 3a	RR2X	0.3	BL	5700	—	Sevita International
AAC Larkin			0.4	Y	10700	44	Sevita International
OAC Champion			0.4	IY	5100	55	Agrocentre Belcan
OAC StriveΩ			0.4	IY	4600	35	SeCan
PS 0416 R2	1c	RR2Y	0.4	BL	6300	40	PRIDE Seeds
PS 0420 XRN	SCN	RR2X	0.4	BL	5500	—	PRIDE Seeds
S04-J6X	SCN 1c	RR2X	0.4	BL	6100	37*	Syngenta Canada, Inc.
S04-K9Ω	SCN 1c		0.4	Y	4400	35*	Syngenta Canada, Inc.
Salto R2	1c, 3a	RR2Y	0.4	BR	5700	—	Prograin
Stingray R2X	SCN 1c	RR2X	0.4	BL	5900	—	Elite
AyaΩ			0.5	Y	4300	—	Prograin
ChibaΩ			0.5	Y	4900	—	Elite
CL1941256	SCN 1c	XF	0.5	IY	6200	—	Syngenta Canada, Inc.
OAC Acclaim			0.5	IY	4600	44	Huron Commodities Inc.
OAC Lakeview			0.5	Y	5000	44	Snobelen Farms Ltd.
P05A35X	1c	RR2X	0.5	BF	5500	—	Pioneer
Ramage XF	SCN 1c	XF	0.5	IY	6000	—	SeCan
Samson E3	1k	E3	0.5	BR	6700	—	SeCan
Shaw R2X		RR2X	0.5	IBL	6700	—	SeCan
Woden R2X	SCN 1k	RR2X	0.5	BL	5700	—	Elite
Altitude R2	3a	RR2Y	0.6	BR	5000	42	SeCan
Amino R2X	1c	RR2X	0.6	BL	5500	—	Prograin
AsanaΩ	1c		0.6	Y	4600	—	Prograin
B061FE		E3	0.6	Y	5500	—	Brevant Seeds
B063UX	SCN 1k	RR2X	0.6	BF	5300	—	Brevant Seeds
Cypress	1c		0.6	Y	5000	27	Sevita International
Expand R2X	SCN 1c	RR2X	0.6	BL	5600	34	SeCan
Kristian			0.6	IY	4600	33*	Saatbau Linz
Nano R2X	SCN 3a	RR2X	0.6	BR	5300	—	Prograin
OAC EvolutionΩ			0.6	IY	5200	37	Agrocentre Belcan
P06A48X	1c	RR2X	0.6	LBR	6000	—	Pioneer
Seabrook R2X	1k	RR2X	0.6	BL	6500	—	SeCan
SI 0620XTN	SCN 1c	RR2X	0.6	BL	5700	—	Sevita International
07-A7E3	SCN 3a	E3	0.7	BF	6000	—	Syngenta Canada, Inc.
Abiola			0.7	IY	4800	—	Saatbau Linz
AngelicaΩ			0.7	IY	4800	55	C&M Seeds
Axis E3	1c	E3	0.7	LBR	5700	—	Horizon Seeds Canada
Dunham	SCN 1c		0.7	IY	4300	39	Sevita International
Elico E3	SCN	E3	0.7	Y	6100	—	Prograin
Harvey E3		E3	0.7	BF	6400	—	SeCan
Kagawa			0.7	IY	4300	—	Synagri
Lindber			0.7	Y	9500	—	Sevita International
Marula	1c		0.7	Y	4400	—	Prograin
OAC Bounty			0.7	IY	4800	43	Snobelen Farms Ltd.
OAC HastingsΩ			0.7	IY	4800	50	SeCan
OAC Wallace			0.7	BR	5300	48	SeCan
P07A18X	SCN 1k	RR2X	0.7	BL	5300	—	Pioneer
Primo			0.7	Y	4900	47	SG Ceresco, Inc.
PRO 2625R2		RR2Y	0.7	BL	4900	36	Sevita International
PRO 2735R2C	SCN 1k	RR2Y	0.7	IBL	5800	35	Sevita International
PS 0779 XRN	SCN 1c	RR2X	0.7	BL	6400	39	PRIDE Seeds
S07-K5X	3a	RR2X	0.7	GR	5100	40	Syngenta Canada, Inc.
SI 0720E3N	SCN 1a, 3a	E3	0.7	IBL	5500	34*	Sevita International
AjicoΩ	1c		0.8	IY	4600	—	Elite
B081RX	SCN 1c	RR2X	0.8	BR	5700	—	Brevant Seeds
B088Y1	1k	RR2Y	0.8	Y	4900	—	Brevant Seeds
DKB08-98	SCN 1c	RR2X	0.8	BL	5900	34*	DEKALB
Enyo E3	SCN	E3	0.8	BF	5500	—	Prograin
Ezra	3a		0.8	Y	5000	—	Prograin
Miko R2	1c	RR2Y	0.8	BR	5100	—	Prograin

TABLE 1 — VARIETY DESCRIPTIONS *(continued)*

Variety	Notes	Herbicide Reaction	Relative[1] Maturity	Hilum Colour	Seeds per Kg	Phytophthora[2] Root Rot % Plant Loss	Distributor
Neptune	1c, 3a		0.8	IY	4200	34	Sevita International
OAC Drayton			0.8	LBR	5500	23	Snobelen Farms Ltd.
OAC Kamran			0.8	IY	5000	43	SeCan
Orr R2X	SCN 3a	RR2X	0.8	BR	5700	—	SeCan
Park E3		E3	0.8	BF	6500	—	SeCan
S07-M8	1c		0.8	IY	4700	43	Syngenta Canada, Inc.
Vertigo R2	SCN 1c	RR2Y	0.8	BL	5600	—	Prograin
Viper R2X	SCN 1c	RR2X	0.8	BL	5300	—	Elite
AAC Kovik			0.9	Y	4500	—	SG Ceresco, Inc.
B091FE	1c	E3	0.9	IBL	5700	—	Brevant Seeds
Beliveau R2X	SCN 1k, 3a	RR2X	0.9	BR	5200	28	SeCan
CP0921X	3a	RR2X	0.9	BL	6500	—	CROPLAN by WinField United
Finch	1c		0.9	Y	5100	36	Sevita International
Genesis	1a		0.9	Y	4700	46	Sevita International
Havane			0.9	Y	4700	30	SG Ceresco, Inc.
Landmark E3	3a	E3	0.9	IBL	5400	—	Horizon Seeds Canada
P09A53X	1k	RR2X	0.9	BR	4900	—	Pioneer
P09A62X	1c	RR2X	0.9	BF	5300	—	Pioneer
Pico R2X	1c	RR2X	0.9	BL	6000	—	Prograin
S09-R8X	SCN 1c	RR2X	0.9	IY	5500	41	Syngenta Canada, Inc.
SI 0921XTN	SCN	RR2X	0.9	BL	5900	—	Sevita International
Acora	1c		1.0	Y	4800	—	Prograin
B102ZE	SCN	E3	1.0	IBL	5600	—	Brevant Seeds
Forto			1.0	IY	4300	—	SG Ceresco, Inc.
Kites E3	1a	E3	1.0	BF	6400	—	Elite
OAC Malory	SCN		1.0	Y	5100	30	SeCan
S10-R2	SCN		1.0	Y	4900	42	Syngenta Canada, Inc.
S10-W8XF	SCN 1c	XF	1.0	IY	5800	—	Syngenta Canada, Inc.
Skyline	SCN 1c, 3a		1.0	Y	5100	32	Sevita International
Bercika			1.1	IY	4500	—	Cerela
CF2858Xt	SCN 1c	RR2X	1.1	BR	5400	—	CROPLAN by WinField United
CP1121E	1k	E3	1.1	BL	6000	—	CROPLAN by WinField United
DKB11-51	SCN	RR2X	1.1	BL	5900	35*	DEKALB
DKB11-84	SCN 3a	RR2X	1.1	BR	5800	30*	DEKALB
Eider			1.1	Y	4600	27	SG Ceresco, Inc.
Emperor	1a		1.1	IY	4000	53	Sevita International
Neo R2X	SCN 3a	RR2X	1.1	BR	5100	—	Prograin
P11A10			1.1	Y	4600	—	Pioneer
PS 1119 XRN	SCN	RR2X	1.1	BL	5100	41	PRIDE Seeds
SI 1120E3N	SCN	E3	1.1	IBL	4800	31*	Sevita International
Taku			1.1	Y	5200	—	SG Ceresco, Inc.
Atena	1c, 3a		1.2	Y	4200	—	Prograin
Baltazar			1.2	IY	4600	—	Semican Inc.
DH530			1.2	IY	5200	46	Sevita International
Maris R2X	SCN 3a	RR2X	1.2	BR	5800	—	Elite
OAC Adare			1.2	IY	4700	—	Hensall Co-op
Odessa			1.2	IY	4000	32	Sevita International
S12-J7	SCN 1c, 3a		1.2	Y	4200	35	Syngenta Canada, Inc.
S12-M5X	SCN 1k, 3a	RR2X	1.2	BL	4700	36*	Syngenta Canada, Inc.
Harrier E3	SCN	E3	1.3	IBL	5700	—	Elite
OAC Elevation			1.3	IY	4400	51	Agrocentre Belcan
OAC Rush			1.3	IY	4600	30	SeCan
Osaka			1.3	IY	5200	—	Synagri
P13A89X	SCN 1k	RR2X	1.3	BL	5600	—	Pioneer
PRO 13X836N	SCN 1c, 3a	RR2X	1.3	BL	5700	28	Sevita International
PS 1338 XRN	SCN 1c	RR2X	1.3	BL	5500	38	PRIDE Seeds
14-W6E3	SCN 1c, 3a	E3	1.4	BF	5700	—	Syngenta Canada, Inc.
Azalea			1.4	IY	5000	46	Sevita International
DKB14-65	SCN 1c, 3a	RR2X	1.4	BL	5600	35*	DEKALB
PS 1421 EN	SCN	E3	1.4	BL	6000	—	PRIDE Seeds
S14-C7XF	SCN 1c	XF	1.4	BR	5700	—	Syngenta Canada, Inc.

Variety	Notes	Herbicide Reaction	Relative[1] Maturity	Hilum Colour	Seeds per Kg	Phytophthora[2] Root Rot % Plant Loss	Distributor
S14-U9X	SCN 1c	RR2X	1.4	BR	5400	40	Syngenta Canada, Inc.
Zana	3a		1.4	Y	4900	—	Prograin
Alameda			1.5	IY	5100	—	Saatbau Linz
B152RX	SCN 1k	RR2X	1.5	BR	5500	—	Brevant Seeds
Barton	SCN		1.5	Y	5100	28	Sevita International
Cyclone R2X	SCN 1k, 3a	RR2X	1.5	BL	5300	—	Elite
DKB15-54	SCN 1c	RR2X	1.5	BL	4600	40	DEKALB
Keith XF	SCN 3a	XF	1.5	BR	5300	—	SeCan
Laurentian	SCN		1.5	Y	9500	31	Sevita International
P15A63X	SCN 1k	RR2X	1.5	BL	5000	—	Pioneer
PS 1520 XRN	SCN 1c	RR2X	1.5	BF	5600	32*	PRIDE Seeds
Rondo R2X	SCN 1c, 3a	RR2X	1.5	BR	5200	—	Prograin
SI 1520E3N	SCN 1k	E3	1.5	IBL	5700	23*	Sevita International
AAC Talbot	SCN 1c		1.6	Y	4100	—	Elite
B161ME3	SCN 1k	E3	1.6	IBL	5800	—	Brevant Seeds
OAC Aberdeen	SCN		1.6	IY	4400	35	Huron Commodities Inc.
P16A84X	SCN 1k	RR2X	1.6	IBL	5700	—	Pioneer
P16T71E	SCN	E3	1.6	IBL	4700	—	Pioneer
PRO 15X926N	SCN 1c	RR2X	1.6	IBL	5500	38	Sevita International
S14-H3	SCN		1.6	IY	4300	—	Hensall Co-op
S16-K2X	SCN 1k, 3a	RR2X	1.6	BL	5000	31*	Syngenta Canada, Inc.
Compass E3		E3	1.7	IBL	5400	—	Horizon Seeds Canada
Cougar E3	SCN 3a	E3	1.7	BF	5400	—	Elite
PS 1721 EN	SCN 1c, 3a	E3	1.7	Y	5300	—	PRIDE Seeds
P17A51X	SCN 1c	RR2X	1.7	BF	4800	—	Pioneer
Ranger R2X	SCN 1c, 3a	RR2X	1.7	IBL	5200	—	SeCan
Savard E3	SCN 1k	E3	1.7	IBL	5000	29*	SeCan
Dionne R2X	SCN	RR2X	1.8	BL	5700	30	SeCan
OAC Paris	SCN		1.8	Y	4300	33*	SeCan
P18A98X	SCN 1c	RR2X	1.8	IBL	5300	—	Pioneer
SI 1820XTN	SCN 3a	RR2X	1.8	BR	5500	—	Sevita International
B191FE	SCN 1c, 3a	E3	1.9	BF	5700	—	Brevant Seeds
Candor	3a		1.9	Y	4000	40	Sevita International
CF19X9	SCN 1c	RR2X	1.9	IBL	5600	—	CROPLAN by WinField United
DKB19-80	SCN 1c	RR2X	1.9	BL	5700	20*	DEKALB
HDC Blake			1.9	Y	3900	—	Hensall Co-op
P19A14X	SCN 1k	RR2X	1.9	BF	6100	—	Pioneer
PRO 3025R2C	SCN 1k	RR2Y	1.9	BL	5200	34	Sevita International
OAC Bruton	SCN		2.0	Y	3900	43	SeCan
P20A22X	SCN 1k, 3a	RR2X	2.0	BL	5500	—	Pioneer
P20T95E		E3	2.0	IBL	5000	—	Pioneer
Panther XF	SCN 1c	XF	2.0	BL	5600	—	Elite
PS 2020 XRN	SCN 1c	RR2X	2.0	IBL	5700	39	PRIDE Seeds
S20-E3	SCN 1c, 3a	E3	2.0	BF	4600	34*	Syngenta Canada, Inc.
S20-L8X	SCN 1c	RR2X	2.0	BL	5000	39	Syngenta Canada, Inc.
S20-M1	SCN 1c		2.0	Y	4900	43	Syngenta Canada, Inc.
DKB21-30XF	SCN 1c	XF	2.1	BL	5400	—	DEKALB
OAC Kent			2.1	Y	4500	33	SeCan
P21A20			2.1	Y	4800	—	Pioneer
P21A28X	SCN 1k	RR2X	2.1	BL	5600	—	Pioneer
PS 2120 EN	SCN 1k	E3	2.1	IBL	6000	37*	PRIDE Seeds
S21-C6	SCN		2.1	Y	4100	34*	Syngenta Canada, Inc.
SI 2121XTN	SCN 1c	RR2X	2.1	IBL	5000	—	Sevita International
B221RX	SCN 1k	RR2X	2.2	BL	6400	—	Brevant Seeds
OAC Marvel	SCN		2.2	Y	4400	37	Huron Commodities Inc.
Ocelot E3	SCN 1c	E3	2.2	IBL	5400	—	Elite
S22-J4X	SCN 1c	RR2X	2.2	BL	5100	33	Syngenta Canada, Inc.
AAC McRae	SCN		2.3	Y	4200	—	Hensall Co-op
Curve E3		E3	2.3	IBL	6300	—	Horizon Seeds Canada
DKB23-40	SCN	RR2X	2.3	IBL	5900	32*	DEKALB
P23A32X	SCN 1c	RR2X	2.3	BR	5600	—	Pioneer

TABLE 1 — VARIETY DESCRIPTIONS *(continued)*

Variety	Notes	Herbicide Reaction	Relative[1] Maturity	Hilum Colour	Seeds per Kg	Phytophthora[2] Root Rot % Plant Loss	Distributor
Rx Torque	SCN 1c, 3a	RR2X	2.3	IBL	5200	—	Elite
S23-K7E3	SCN 1c	E3	2.3	IBL	5600	na	Syngenta Canada, Inc.
SG 2311			2.3	Y	4600	39	Huron Commodities Inc.
SI 2321E3N	SCN 1k	E3	2.3	BF	4800	—	Sevita International
Express R2X	SCN 1c, 1k	RR2X	2.4	BL	5700	31	SeCan
P24A80X	SCN 1k	RR2X	2.4	BL	6200	—	Pioneer
P24T76E	SCN 1c, 3a	E3	2.4	BF	6000	—	Pioneer
PS 2444 XRN	SCN 1k	RR2X	2.4	BL	6000	41	PRIDE Seeds
AAC 26-15	SCN		2.5	Y	4600	32	Huron Commodities Inc.
AAC Wigle⍟	SCN		2.5	Y	4300	47	SeCan
B251FE	SCN 1c	E3	2.5	BF	6100	—	Brevant Seeds
CF3176Xt	1c	RR2X	2.5	IBL	6000	—	CROPLAN by WinField United
Cohen R2X	SCN 1c	RR2X	2.5	BF	5200	—	SeCan
CP2521E	SCN	E3	2.5	IBL	5600	—	CROPLAN by WinField United
DF 155			2.5	Y	4600	—	AGRIS Co-operative Ltd.
DKB25-57	SCN 1c	RR2X	2.5	IBL	5300	34*	DEKALB
Francis E3	SCN	E3	2.5	IBL	7000	32*	SeCan
P25A68X	SCN 1k	RR2X	2.5	BL	5300	—	Pioneer
PS 2521 XFN	SCN 1c	XF	2.5	BL	5400	—	PRIDE Seeds
Wolverine E3	SCN 1k	E3	2.5	BF	6200	—	Elite
Hickstead	SCN		2.6	Y	4500	—	Southwest Seeds
P26A34X	SCN 1k, 3a	RR2X	2.6	BL	4600	—	Pioneer
PS 2666 XRN	SCN 1c	RR2X	2.6	IBL	5400	34	PRIDE Seeds
S26-E3	SCN 1k	E3	2.6	BF	7000	27*	Syngenta Canada, Inc.
Emerge E3	SCN 1k	E3	2.7	BF	5600	—	Elite
P27A17X	SCN 1k	RR2X	2.7	BL	5900	—	Pioneer
PS 2720 EN	SCN 1k	E3	2.7	BF	5900	27*	PRIDE Seeds
Superior R2X	SCN 1c	RR2X	2.7	IBL	6000	—	Elite
AAC Big Ben	SCN		2.8	Y	4700	—	Southwest Seeds
B281KE⍟	SCN	E3	2.8	IBL	6000	—	Brevant Seeds
P28T14E	SCN	E3	2.8	IBL	6500	—	Pioneer
PS 2889XRN	SCN 1c, 1k	RR2X	2.8	IBL	6600	28	PRIDE Seeds
S28-H4E3	SCN 1k, 3a	E3	2.8	BF	6400	—	Syngenta Canada, Inc.
Supreme XF	SCN 1c, 3a	XF	2.8	BF	6000	—	Elite
P29A25X	SCN 1k	RR2X	2.9	BR	5800	—	Pioneer
S29-R5X	SCN 1k	RR2X	2.9	BR	6000	33	Syngenta Canada, Inc.
B301ME	1k	E3	3.0	IBL	6300	—	Brevant Seeds
P31A22X	SCN 1k	RR2X	3.1	BR	5800	—	Pioneer
P31A95BX	1k	RR2X	3.1	BL	5700	—	Pioneer
S31-Y2X	SCN 1c	RR2X	3.1	BL	5000	27	Syngenta Canada, Inc.
CP3220RX	SCN 1c	RR2X	3.2	IBL	6500	—	CROPLAN by WinField United
P32T26E	1c	E3	3.2	BF	5900	—	Pioneer
DKB33-54	SCN 1k, 3a	RR2X	3.3	IBL	5600	29	DEKALB

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

* Phytophthora % Plant Loss - 2 year averages shown where available. New calculation method used, see note.

⍟ = PBR 78;⍟ = PBR 91 or PBR 91 pending; varieties protected by Plant Breeders' Rights. Visit pbrfacts.ca to learn more.

NOTES:

1a, 1c, etc. - Phytoph. resist. genes
HP - High Protein
SCN - SCN Resistant
L-LA - Low-Linolenic Acid

Herbicide Reaction

RR2Y - Roundup Ready 2 Yield
RR2X - Roundup Ready 2 Xtend
XF - XtendFlex
E3 - Enlist E3
LL - Liberty Link
MS - Metribuzin Sensitive

TABLE 2A.1 — MATURITY GROUP 00 (2100-2300 HU) AREAS, RR TEST

Variety	Days to Mature	NEW LISKEARD Yield Index 2 year	Plant Height (cm)	Lodging 1=standing 5=flat
DKB0009-89	114	94	56	1.3
S0009-M2	114	89	51	1.2
Fresco R2X	115	82	54	1.2
Mahony R2	115	99	58	1.4
DKB002-32	117	98	59	1.3
P005A83X	117	—	56	1.1
S007-Y4	117	110	57	1.2
S008-N2	117	105	57	1.7
Bourke R2X	118	103	60	1.6
Elmo E3	118	—	62	1.2
Kudo R2X	118	98	66	1.7
P006A37X	118	107	54	1.2
PS 0068 XR	118	104	60	1.2
S007-Z1X	118	—	56	1.3
PS 0074 R2	119	112	59	1.8
LSD (0.10)		5		
Average yield (T/ha)		2.94		
(bu/ac)		43.5		

Testing Locations: Table 2a.1			
New Liskeard	2019	2020	—

2021 trial data unavailable due to weather damage in spring.

TABLE 2.1 — MATURITY GROUP 00 (2300-2500 HU) AREAS, RR TEST

Variety	Days to Mature	AVERAGE Yield Index 1 year	AVERAGE Yield Index 2 year	AVERAGE Yield Index 3 year	ARTHUR Yield Index 2 year	ARTHUR Yield Index 3 year	DUNDALK Yield Index 2 year	DUNDALK Yield Index 3 year	ELORA Yield Index 2 year	ELORA Yield Index 3 year	Plant Height (cm)	Lodging 1=standing 5=flat
S007-Y4	107	83	88	**91**	84	**90**	89	**91**	92	**93**	64	1.1
PS 0068 XR	109	87	88	**90**	85	**87**	92	**94**	86	**87**	75	1.5
S007-Z1X	110	88	91	—	84	—	97	—	91	—	77	2.1
SI 00820XTN	112	95	93	—	91	—	92	—	95	—	70	2.0
S008-N2	112	94	94	**98**	81	**87**	107	**107**	94	**99**	79	2.4
S01-C4X	112	88	97	**100**	96	**98**	92	**96**	105	**107**	82	1.6
Kudo R2X	112	91	90	**94**	93	**96**	83	**91**	94	**96**	80	2.7
PS 0098 XR	113	94	97	**101**	95	**103**	101	**101**	95	**100**	73	1.9
Elmo E3	113	103	97	—	94	—	101	—	96	—	74	1.6
PS 0074 R2	113	102	97	**103**	84	**95**	107	**111**	98	**101**	77	2.3
Rico R2X	113	92	94	**99**	99	**104**	88	**93**	97	**102**	71	1.3
PRO 2525R2	114	113	106	**106**	105	**109**	110	**108**	102	**101**	86	2.1
Bronco R2X	114	116	106	—	109	—	104	—	105	—	82	1.6
LS 008R21	114	98	99	**101**	98	**105**	96	**98**	103	**102**	78	2.0
Donaldo R2X	115	107	106	—	104	—	110	—	104	—	79	1.8
DKB008-48	116	111	107	—	112	—	105	—	103	—	80	1.4
DKB03-25	116	121	114	—	122	—	103	—	118	—	82	2.0
DKB00-20	116	119	111	—	115	—	106	—	113	—	85	2.0
PRO 03X74	117	117	108	**109**	114	**111**	99	**102**	110	**113**	79	1.7
Salto R2	117	111	107	**107**	115	**115**	107	**108**	100	**99**	73	1.5
S04-J6X	117	118	110	—	119	—	113	—	98	—	80	1.5
	DTM (1yr)											
Mahony R2	108	83	—	—	—	—	—	—	—	—	—	—
Merino R2X	109	86	—	—	—	—	—	—	—	—	—	—
S006-K3X	111	82	—	—	—	—	—	—	—	—	—	—
S02-M4XF	111	105	—	—	—	—	—	—	—	—	—	—
SI 00620XTN	111	86	—	—	—	—	—	—	—	—	—	—
Mao R2X	111	84	—	—	—	—	—	—	—	—	—	—
Verso R2X	111	100	—	—	—	—	—	—	—	—	—	—
SI 007XTN	112	90	—	—	—	—	—	—	—	—	—	—
SI 0320XTN	118	114	—	—	—	—	—	—	—	—	—	—
Emilio E3	119	112	—	—	—	—	—	—	—	—	—	—
Triquet R2X	120	111	—	—	—	—	—	—	—	—	—	—
LSD (0.10)		0	6	**5**	7	**7**	11	**8**	14	**10**		
Average yield (T/ha)		3.19	3.26	**3.03**	3.34	**2.88**	3.33	**3.13**	3.11	**3.07**		
(bu/ac)		47.3	48.4	**44.9**	49.6	**42.7**	49.4	**46.5**	46.2	**45.5**		

Testing Locations: Table 2.1			
Arthur	2019	2020	2021
Dundalk	2019	2020	2021
Elora	2019	2020	2021

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

Variety	Days to Mature	AVERAGE Yield Index 1 year	AVERAGE Yield Index 2 year	AVERAGE Yield Index 3 year	BRUSSELS Yield Index 2 year	BRUSSELS Yield Index 3 year	ELORA Yield Index 2 year	ELORA Yield Index 3 year	OTTAWA Yield Index 2 year	PORT HOPE Yield Index 2 year	PORT HOPE Yield Index 3 year	Plant Height (cm)	Lodging 1=standing 5=flat
S01-C4X	108	94	89	**91**	82	**85**	87	92	103	92	**91**	84	2.5
PS 0229 XRN	109	96	94	**95**	94	**98**	96	93	94	93	**95**	74	1.8
B011DE	111	91	85	—	83	—	84	—	—	82	—	75	2.2
PS 0420 XRN	111	101	99	**99**	104	**104**	97	96	95	95	**97**	76	1.3
SI 0320XTN	111	98	100	—	97	—	107	—	—	100	—	82	2.3
Woden R2X	111	92	95	**98**	90	**93**	100	103	100	95	**97**	87	2.4
Salto R2	112	97	95	**95**	96	**95**	91	92	96	95	**95**	74	1.9
S04-J6X	112	100	99	—	104	—	95	—	—	99	—	80	2.0
PRO 03X74	112	99	91	**94**	86	**90**	91	95	100	91	**93**	81	2.2
PS 0416 R2	112	98	98	**100**	98	**100**	101	104	99	94	**97**	84	2.2
S07-K5X	113	97	98	**99**	96	**99**	101	102	96	98	**98**	82	1.8
B081RX	113	98	95	—	97	—	98	—	—	88	—	81	2.1
P05A35X	113	102	98	—	101	—	98	—	—	90	—	72	1.3
B061FE	113	95	92	**92**	85	**88**	90	92	98	98	**95**	83	2.2
SI 0620XTN	113	107	105	—	102	—	110	—	—	105	—	83	2.1
Expand R2X	113	95	97	**98**	100	**101**	93	94	95	97	**100**	79	1.8
S09-R8X	114	101	100	**100**	94	**98**	108	107	95	102	**101**	85	2.1
PRO 2625R2	114	99	99	**101**	98	**101**	97	99	100	101	**102**	83	1.7
B063UX	114	103	101	—	102	—	102	—	—	98	—	82	2.0
Nano R2X	114	102	102	—	98	—	104	—	—	107	—	84	2.5
Vertigo R2	114	102	101	**102**	104	**105**	95	98	101	103	**103**	83	1.9
PRO 2735R2C	114	98	99	**102**	105	**108**	102	103	98	92	**96**	79	1.4
Miko R2	114	106	106	**108**	99	**104**	108	109	105	114	**112**	86	2.9
P07A18X	114	105	106	—	111	—	107	—	—	100	—	85	1.3
S12-M5X	114	109	111	—	109	—	112	—	—	113	—	72	1.7
PS 0779 XRN	114	97	102	**103**	103	**107**	96	95	104	106	**105**	85	2.2
Altitude R2	115	101	103	**106**	97	**103**	103	106	105	108	**108**	74	2.3
P09A53X	115	106	106	**110**	111	**112**	101	110	109	105	**109**	85	1.4
P09A62X	115	106	104	**107**	101	**104**	104	108	106	109	**110**	77	2.2
SI 0720E3N	115	98	100	—	104	—	92	—	—	104	—	77	1.7
Beliveau R2X	116	104	103	**103**	105	**104**	107	109	103	97	**96**	82	2.0
DKB11-84	116	106	109	—	113	—	109	—	—	106	—	82	1.8
B091FE	117	97	96	**94**	104	**99**	90	90	94	94	**90**	75	1.5
Enyo E3	117	104	102	—	108	—	96	—	—	104	—	82	2.0
DKB08-98	118	102	104	—	97	—	114	—	—	106	—	91	2.4
B088Y1	118	108	104	**106**	101	**103**	105	104	106	107	**109**	87	2.4
SI 1120E3N	118	109	112	—	118	—	113	—	—	110	—	75	1.3
	DTM (1yr)												
S02-M4XF	107	94	—	—	—	—	—	—	—	—	—	—	—
DKB03-25	109	99	—	—	—	—	—	—	—	—	—	—	—
Grizzly R2X	109	90	—	—	—	—	—	—	—	—	—	—	—
Shaw R2X	109	98	—	—	—	—	—	—	—	—	—	—	—
Stingray R2X	109	94	—	—	—	—	—	—	—	—	—	—	—
EXP0321XRN	110	102	—	—	—	—	—	—	—	—	—	—	—
Cobra R2X	110	100	—	—	—	—	—	—	—	—	—	—	—
07-A7E3	110	92	—	—	—	—	—	—	—	—	—	—	—
Amino R2X	110	102	—	—	—	—	—	—	—	—	—	—	—
CL1941256	111	99	—	—	—	—	—	—	—	—	—	—	—
Ramage XF	112	99	—	—	—	—	—	—	—	—	—	—	—
Harvey E3	112	95	—	—	—	—	—	—	—	—	—	—	—
P06A48X	112	102	—	—	—	—	—	—	—	—	—	—	—
Seabrook R2X	112	105	—	—	—	—	—	—	—	—	—	—	—
CP0921X	113	98	—	—	—	—	—	—	—	—	—	—	—
Park E3	113	104	—	—	—	—	—	—	—	—	—	—	—
S10-W8XF	113	101	—	—	—	—	—	—	—	—	—	—	—
SI 0921XTN	113	102	—	—	—	—	—	—	—	—	—	—	—
Kites E3	114	100	—	—	—	—	—	—	—	—	—	—	—
Samson E3	114	98	—	—	—	—	—	—	—	—	—	—	—
Viper R2X	114	110	—	—	—	—	—	—	—	—	—	—	—
Orr R2X	114	103	—	—	—	—	—	—	—	—	—	—	—
Axis E3	115	97	—	—	—	—	—	—	—	—	—	—	—
Landmark E3	116	97	—	—	—	—	—	—	—	—	—	—	—
Elico E3	116	92	—	—	—	—	—	—	—	—	—	—	—
LSD (0.10)		8	5	**4**	12	**9**	10	**8**	5	7	**6**		
Average yield (T/ha)		4.10	4.08	**3.83**	4.78	**4.64**	3.69	**3.37**	3.06	4.13	**4.01**		
(bu/ac)		60.8	60.6	**56.9**	70.9	**68.8**	54.7	**50.0**	45.4	61.2	**59.4**		

Testing Locations: Table 3.1

Brussels	2019	2020	2021
Elora	2019	2020	2021
Ottawa	2019	—	2021
Port Hope	2019	2020	2021

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

Variety	Days to Mature	AVERAGE Yield Index 1 year	AVERAGE Yield Index 2 year	AVERAGE Yield Index 3 year	BRUSSELS Yield Index 2 year	BRUSSELS Yield Index 3 year	ELORA Yield Index 2 year	ELORA Yield Index 3 year	OTTAWA Yield Index 2 year	PORT HOPE Yield Index 2 year	PORT HOPE Yield Index 3 year	Plant Height (cm)	Lodging 1=standing 5=flat
AAC Hensatto	104	68	66	**67**	73	**70**	61	**65**	73	60	**63**	72	2.1
Primo	106	83	81	**81**	79	**77**	75	**80**	91	82	**81**	90	3.1
BAFFIN	106	84	85	—	86	—	81	—	—	85	—	78	2.0
Aurelina(O)	108	96	98	**96**	88	**90**	103	**99**	93	107	**101**	90	2.4
Mozart	108	97	94	**94**	102	**98**	95	**96**	93	85	**89**	87	2.1
Atiron	109	93	92	—	85	—	92	—	—	96	—	91	2.3
Asahi	109	100	99	—	98	—	103	—	—	97	—	90	1.9
AAC Shinju(O)	110	83	84	**82**	90	**86**	77	**84**	87	79	**74**	89	2.9
JAGO	110	92	94	—	95	—	97	—	—	91	—	82	2.0
Kazart	110	88	89	**93**	84	**90**	90	**95**	95	94	**95**	97	3.0
Arenda	111	91	92	—	82	—	92	—	—	101	—	89	3.0
Astor	111	92	94	**95**	91	**91**	97	**99**	102	93	**92**	79	2.0
Panorama	111	98	101	**101**	102	**103**	104	**102**	94	100	**101**	75	1.6
S03-P4(O)	111	91	92	—	85	—	91	—	—	100	—	97	2.6
S04-K9(O)	112	105	105	—	104	—	104	—	—	106	—	83	2.0
AAC Larkin	112	81	79	**81**	79	**82**	82	**84**	82	76	**77**	87	2.8
OAC Strive(O)	112	104	103	**103**	101	**103**	105	**101**	100	105	**105**	91	1.9
S10-R2(O)	112	101	104	**104**	98	**101**	99	**99**	104	112	**113**	96	2.9
Haltifo	113	106	102	—	102	—	99	—	—	100	—	88	2.0
OAC Champion(O)	113	102	101	**100**	99	**94**	98	**101**	101	105	**105**	97	2.6
OAC Kamran(O)	113	106	108	**105**	118	**114**	99	**96**	103	106	**103**	77	1.3
Windsor	113	101	93	**96**	92	**93**	98	**101**	100	87	**94**	77	2.2
OAC Lakeview	113	108	103	**101**	95	**91**	106	**106**	105	110	**109**	88	2.7
OAC Bounty	113	104	106	**104**	107	**101**	102	**103**	102	109	**107**	90	2.6
AAC Hoshi	114	84	85	**88**	84	**84**	85	**87**	92	86	**90**	92	2.8
S07-M8(O)	114	105	106	**105**	107	**106**	104	**101**	106	108	**107**	86	1.9
OAC Drayton	114	109	106	**107**	114	**111**	108	**107**	102	100	**106**	91	2.1
Chiba(O)	115	97	98	**97**	97	**98**	96	**94**	91	98	**101**	99	1.8
Cypress	115	107	108	**106**	111	**108**	106	**100**	107	105	**107**	85	1.5
OAC Acclaim	115	104	106	**105**	112	**108**	109	**106**	104	98	**100**	76	1.5
OAC Hastings(O)	115	106	107	**106**	118	**116**	103	**100**	103	99	**100**	89	1.4
Marula	115	105	107	**103**	109	**106**	107	**104**	104	105	**99**	96	1.8
Dunham	115	103	101	**99**	103	**100**	106	**103**	95	97	**98**	91	2.0
Kristian	115	109	111	—	108	—	112	—	—	115	—	96	1.8
Angelica(O)	115	108	105	**104**	99	**101**	114	**109**	107	106	**102**	99	2.5
OAC Wallace	115	111	110	**110**	112	**112**	110	**112**	108	109	**109**	91	2.1
Asana(O)	116	103	107	**103**	110	**103**	107	**104**	95	108	**105**	91	2.1
Ajico(O)	116	110	110	**108**	116	**113**	115	**113**	103	103	**102**	86	1.6
Ezra	116	116	119	**113**	122	**114**	117	**114**	116	117	**110**	96	2.0
Finch	117	112	109	**109**	109	**109**	113	**111**	108	107	**108**	95	1.7
AAC Kovik	117	100	98	**98**	93	**96**	103	**102**	104	98	**93**	86	1.8
OAC Evolution(O)	117	113	113	**109**	110	**102**	116	**113**	112	115	**112**	96	1.9
Neptune	117	105	111	**110**	122	**118**	104	**99**	108	107	**109**	89	1.9
Genesis	118	103	108	**109**	100	**103**	113	**115**	104	115	**112**	91	2.6
OAC Elevation(O)	118	107	107	**105**	111	**109**	101	**96**	108	106	**108**	98	2.3
Kagawa	119	104	105	**103**	105	**104**	107	**105**	102	103	**101**	93	1.7
Skyline	120	99	100	**100**	94	**94**	96	**95**	98	109	**110**	94	2.5
	DTM (1yr)												
Abiola	110	98	—	—	—	—	—	—	—	—	—	—	—
Kyoto	110	107	—	—	—	—	—	—	—	—	—	—	—
Lindber	111	81	—	—	—	—	—	—	—	—	—	—	—
Aya(O)	113	101	—	—	—	—	—	—	—	—	—	—	—
Acora	114	109	—	—	—	—	—	—	—	—	—	—	—
Alameda	117	100	—	—	—	—	—	—	—	—	—	—	—
Atena(O)	117	111	—	—	—	—	—	—	—	—	—	—	—
LSD (0.10)		7	5	**4**	11	**9**	7	**6**	6	9	**8**		
Average yield (T/ha)		3.53	3.47	**3.27**	4.13	**4.03**	2.82	**2.62**	2.77	3.75	**3.49**		
(bu/ac)		52.4	51.5	**48.5**	61.3	**59.8**	41.9	**38.8**	41.1	55.6	**51.7**		

Testing Locations: Table 3.2			
Brussels	2019	2020	2021
Elora	2019	2020	2021
Ottawa	2019	—	2021
Port Hope	2019	2020	2021

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

Variety	Days to Mature	AVERAGE Yield Index 1 year	AVERAGE Yield Index 2 year	AVERAGE Yield Index 3 year	EXETER Yield Index 2 year	EXETER Yield Index 3 year	ST. MARYS Yield Index 2 year	WINCHESTER Yield Index 2 year	WINCHESTER Yield Index 3 year	WOODSTOCK Yield Index 2 year	WOODSTOCK Yield Index 3 year	Plant Height (cm)	Lodging 1=standing 5=flat
Miko R2	117	88	90	**93**	95	**98**	93	95	**98**	79	**82**	83	1.5
Neo R2X	117	98	96	—	98	—	—	97	—	99	—	82	1.4
B102ZE	118	88	87	—	90	—	—	81	—	95	—	80	1.2
S12-M5X	119	102	100	—	99	—	—	103	—	97	—	70	1.2
PS 1119 XRN	119	94	95	**95**	93	**94**	94	101	**98**	94	**94**	81	1.4
Maris R2X	119	95	94	—	94	—	—	93	—	92	—	81	1.1
Enyo E3	120	97	95	—	101	—	—	89	—	99	—	78	1.3
SI 1120E3N	120	101	97	—	104	—	—	91	—	91	—	71	1.0
PS 1338 XRN	121	97	94	**97**	92	**94**	97	95	**96**	96	**101**	81	1.2
PRO 13X836N	121	84	90	**93**	100	**102**	89	89	**91**	82	**88**	75	1.0
S14-U9X	121	107	105	**101**	101	**100**	95	112	**106**	102	**101**	85	1.1
Rondo R2X	121	102	101	**101**	101	**101**	102	101	**102**	101	**98**	88	1.2
DKB11-51	121	94	95	—	94	—	—	91	—	100	—	85	1.4
PS 1520 XRN	122	106	105	—	104	—	—	106	—	106	—	84	1.1
P15A63X	122	100	98	**101**	100	**102**	97	96	**96**	105	**108**	77	1.1
Dionne R2X	122	99	97	**98**	97	**98**	99	99	**98**	97	**99**	88	1.3
S16-K2X	123	103	102	—	101	—	—	104	—	109	—	81	1.3
B152RX	123	113	109	—	103	—	—	111	—	110	—	84	1.1
DKB14-65	123	100	101	—	101	—	—	107	—	94	—	84	1.2
Cyclone R2X	124	104	103	**102**	99	**98**	107	105	**103**	101	**101**	80	1.2
SI 1520E3N	124	101	101	—	100	—	—	103	—	99	—	83	1.2
SI 1820XTN	124	113	109	—	104	—	—	110	—	114	—	88	1.4
P16T71E	124	96	95	**95**	101	**100**	97	93	**91**	87	**90**	80	1.3
DKB15-54	124	99	99	**99**	96	**97**	100	102	**101**	100	**99**	90	1.3
B161ME3	125	101	100	—	101	—	—	104	—	94	—	78	1.1
P18A98X	125	109	107	**106**	102	**101**	102	105	**108**	113	**112**	87	1.3
PRO 15X926N	125	103	103	**104**	104	**106**	99	106	**104**	102	**106**	91	1.6
DKB19-80	126	103	105	—	102	—	—	103	—	110	—	91	1.3
CF19X9	126	107	105	**103**	106	**102**	103	101	**102**	105	**105**	87	1.3
P19A14X	126	108	105	**105**	103	**104**	112	101	**100**	106	**106**	84	1.4
P16A84X	126	109	106	—	106	—	—	104	—	104	—	87	1.2
Savard E3	126	103	101	—	104	—	—	94	—	102	—	82	1.2
PRO 3025R2C	127	109	105	**104**	98	**97**	108	108	**105**	109	**107**	93	1.4
B191FE	128	106	104	**103**	104	**104**	106	100	**100**	105	**102**	85	1.4
	DTM (1yr)												
SI 0921XTN	117	93	—	—	—	—	—	—	—	—	—	—	—
CF2858Xt	118	83	—	—	—	—	—	—	—	—	—	—	—
Landmark E3	118	93	—	—	—	—	—	—	—	—	—	—	—
Pico R2X	118	89	—	—	—	—	—	—	—	—	—	—	—
Viper R2X	118	97	—	—	—	—	—	—	—	—	—	—	—
S10-W8XF	118	96	—	—	—	—	—	—	—	—	—	—	—
Kites E3	119	88	—	—	—	—	—	—	—	—	—	—	—
14-W6E3	119	98	—	—	—	—	—	—	—	—	—	—	—
Harrier E3	120	101	—	—	—	—	—	—	—	—	—	—	—
Compass E3	121	97	—	—	—	—	—	—	—	—	—	—	—
S14-C7XF	122	109	—	—	—	—	—	—	—	—	—	—	—
P13A89X	123	110	—	—	—	—	—	—	—	—	—	—	—
PS 1421 EN	124	105	—	—	—	—	—	—	—	—	—	—	—
Keith XF	124	102	—	—	—	—	—	—	—	—	—	—	—
CP1121E	125	87	—	—	—	—	—	—	—	—	—	—	—
Cougar E3	126	105	—	—	—	—	—	—	—	—	—	—	—
P17A51X	126	101	—	—	—	—	—	—	—	—	—	—	—
PS 1721 EN	127	106	—	—	—	—	—	—	—	—	—	—	—
Panther XF	128	101	—	—	—	—	—	—	—	—	—	—	—
LSD (0.10)		6	4	**4**	8	**10**	6	6	**4**	8	**6**		
Average yield (T/ha)		4.22	4.24	**4.31**	4.82	**4.56**	4.34	4.37	**4.60**	3.58	**3.74**		
(bu/ac)		62.5	62.8	**63.9**	71.5	**67.7**	64.4	64.8	**68.2**	53.1	**55.5**		

Testing Locations: Table 4.1

Exeter	2019	2020	2021
St. Marys	2019	—	2021
Winchester	2019	2020	2021
Woodstock	2019	2020	2021

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

Variety	Days to Mature	AVERAGE Yield Index 1 year	AVERAGE Yield Index 2 year	AVERAGE Yield Index 3 year	EXETER Yield Index 2 year	EXETER Yield Index 3 year	ST. MARYS Yield Index 2 year	WINCHESTER Yield Index 2 year	WINCHESTER Yield Index 3 year	WOODSTOCK Yield Index 2 year	WOODSTOCK Yield Index 3 year	Plant Height (cm)	Lodging 1=standing 5=flat
S10-R2Ω	115	98	97	**96**	103	**99**	88	94	**93**	100	**102**	87	1.8
Havane	115	93	95	**96**	98	**97**	100	94	**95**	88	**92**	83	1.4
AsanaΩ	116	92	91	—	96	—	—	89	—	83	—	82	1.5
Ezra	117	110	106	—	102	—	—	104	—	114	—	86	1.4
Marula	117	94	93	—	92	—	—	94	—	91	—	87	1.4
OAC RushΩ	119	109	106	**105**	105	**103**	111	107	**107**	100	**100**	87	1.2
S12-J7Ω	119	108	104	**105**	106	**106**	106	97	**100**	110	**111**	81	1.4
Acora	119	97	101	**100**	100	**98**	102	104	**103**	100	**95**	94	1.6
P11A10	119	109	105	**102**	106	**104**	98	107	**102**	103	**103**	89	1.3
Kagawa	119	92	93	—	84	—	—	99	—	96	—	86	1.1
S14-H3Ω	119	103	100	**99**	103	**102**	94	94	**95**	105	**103**	78	1.2
Eider	119	100	100	**99**	93	**94**	101	107	**103**	101	**101**	93	1.4
Odessa	119	103	103	**102**	104	**101**	106	102	**103**	98	**97**	83	1.3
Skyline	120	98	96	**93**	92	**89**	97	95	**94**	100	**98**	85	1.4
Genesis	120	97	98	**99**	98	**99**	101	99	**99**	97	**98**	86	1.4
AtenaΩ	120	102	100	**98**	102	**102**	93	105	**102**	91	**93**	81	1.0
DH530	121	93	94	**96**	100	**102**	94	92	**93**	88	**91**	87	1.4
OAC MaloryΩ	121	93	95	**95**	96	**96**	91	95	**97**	98	**95**	87	1.4
Azalea	121	105	103	**104**	109	**109**	105	97	**99**	97	**101**	79	1.5
Barton	121	102	105	**104**	109	**104**	99	100	**100**	114	**113**	84	1.8
Taku	122	110	107	—	103	—	—	108	—	112	—	98	1.4
Emperor	122	101	99	**99**	105	**100**	98	94	**96**	104	**104**	81	1.4
Bercika	122	99	100	—	99	—	—	95	—	107	—	94	1.9
Baltazar	123	102	98	—	95	—	—	102	—	93	—	88	1.1
Zana	123	106	107	**104**	101	**99**	107	112	**111**	108	**102**	94	1.1
OAC Aberdeen	123	111	108	**106**	106	**105**	106	106	**104**	113	**112**	80	1.0
OAC Paris	123	104	103	—	104	—	—	103	—	102	—	91	1.2
OAC AdareΩ	124	100	98	**99**	102	**100**	94	101	**104**	89	**93**	85	1.3
Forto	124	99	99	—	99	—	—	104	—	99	—	98	1.4
Laurentian	124	100	97	**96**	100	**98**	99	88	**89**	103	**101**	95	1.4
Candor	124	102	101	**99**	101	**99**	104	102	**102**	91	**93**	85	1.4
HDC Blake	125	101	102	**103**	96	**95**	108	111	**109**	95	**102**	95	1.5
AAC TalbotΩ	125	100	98	—	91	—	—	99	—	111	—	98	1.3
	DTM (1yr)												
AjicoΩ	114	100	—	—	—	—	—	—	—	—	—	—	—
Finch	115	100	—	—	—	—	—	—	—	—	—	—	—
Osaka	115	84	—	—	—	—	—	—	—	—	—	—	—
AyaΩ	116	98	—	—	—	—	—	—	—	—	—	—	—
OAC ElevationΩ		119	88	—	—	—	—	—	—	—	—	—	— —
LSD (0.10)		8	5	**4**	11	**9**	6	6	**4**	11	**9**		
Average yield (T/ha)		3.63	3.68	**3.71**	4.45	**4.44**	3.49	3.93	**4.18**	2.71	**2.66**		
(bu/ac)		53.9	54.6	**55.0**	66.0	**65.8**	51.7	58.4	**62.0**	40.2	**39.5**		

Testing Locations: Table 4.2

Exeter	2019	2020	2021
St. Marys	2019	—	2021
Winchester	2019	2020	2021
Woodstock	2019	2020	2021

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

Variety	Days to Mature	CLAY AVG Yield Index 1 year	CLAY AVG Yield Index 2 year	INWOOD Yield Index 2 year	PALMYRA Yield Index 2 year	PALMYRA Yield Index 3 year	LOAM AVG Yield Index 1 year	LOAM AVG Yield Index 2 year	RIDGETOWN Yield Index 2 year	RIDGETOWN Yield Index 3 year	TALBOTVILLE Yield Index 2 year	TALBOTVILLE Yield Index 3 year	Plant Height (cm)	Lodging 1=standing 5=flat
S16-K2X	116	95	97	—	97	—	100	100	102	—	99	—	89	1.5
PS 2120 EN	118	80	88	—	89	—	103	106	108	—	103	—	85	1.4
DKB19-80	119	105	104	—	101	—	98	99	98	—	101	—	93	2.1
PS 2020 XRN	119	97	97	103	93	**95**	91	95	97	**100**	92	**90**	85	1.8
S20-L8X	119	103	100	97	102	**103**	87	95	93	**95**	97	**96**	91	2.1
Express R2X	120	108	105	115	103	**101**	97	102	106	**106**	95	**95**	92	2.0
S20-E3	120	103	100	—	99	—	107	105	108	—	101	—	90	1.1
PS 2444 XRN	120	93	93	96	95	**98**	91	96	95	**97**	96	**100**	92	2.2
B221RX	120	120	110	114	107	**105**	111	106	104	**104**	107	**106**	95	1.2
P21A28X	120	105	99	111	95	**98**	106	96	93	**98**	101	**97**	90	1.1
DKB23-40	120	85	91	—	91	—	97	101	108	—	91	—	89	1.6
P24T76E	121	108	104	102	102	**103**	99	97	97	**97**	98	**99**	92	1.4
S22-J4X	121	101	101	93	104	**98**	99	100	103	**104**	96	**94**	88	1.4
P23A32X	121	100	103	97	106	**104**	105	101	103	**103**	99	**102**	87	1.4
P24A80X	121	108	107	107	107	**104**	121	112	106	**107**	119	**114**	92	1.4
Rx Torque	121	88	93	80	97	**98**	107	102	105	**106**	98	**99**	90	1.4
CF3176Xt	121	102	99	107	97	**98**	104	99	97	**100**	101	**102**	95	2.3
DKB25-57	122	98	103	—	107	—	105	101	103	—	97	—	93	1.4
CP2521E	123	103	102	—	100	—	100	96	95	—	98	—	92	1.6
PS 2666 XRN	124	103	104	96	104	**106**	95	97	96	**99**	98	**99**	93	2.2
B251FE	124	104	103	83	103	**88**	89	90	85	**84**	98	**97**	91	1.2
P27A17X	125	101	100	102	99	**100**	111	105	99	**102**	114	**110**	92	1.6
	DTM (1yr)													
SI 2321E3N	113	90	—	—	—	—	88	—	—	—	—	—	—	—
Compass E3	116	90	—	—	—	—	85	—	—	—	—	—	—	—
Cougar E3	117	93	—	—	—	—	77	—	—	—	—	—	—	—
Cyclone R2X	117	98	—	—	—	—	99	—	—	—	—	—	—	—
Ranger R2X	117	103	—	—	—	—	102	—	—	—	—	—	—	—
DKB21-30XF	119	109	—	—	—	—	95	—	—	—	—	—	—	—
SI 2121XTN	119	104	—	—	—	—	94	—	—	—	—	—	—	—
P20T95E	119	91	—	—	—	—	103	—	—	—	—	—	—	—
P20A22X	120	107	—	—	—	—	113	—	—	—	—	—	—	—
Cohen R2X	120	91	—	—	—	—	96	—	—	—	—	—	—	—
Panther XF	121	95	—	—	—	—	101	—	—	—	—	—	—	—
Curve E3	122	96	—	—	—	—	94	—	—	—	—	—	—	—
Ocelot E3	122	99	—	—	—	—	100	—	—	—	—	—	—	—
S23-K7E3	123	103	—	—	—	—	102	—	—	—	—	—	—	—
Wolverine E3	123	89	—	—	—	—	96	—	—	—	—	—	—	—
P25A68X	126	117	—	—	—	—	117	—	—	—	—	—	—	—
P26A34X	126	114	—	—	—	—	114	—	—	—	—	—	—	—
PS 2521 XFN	127	101	—	—	—	—	103	—	—	—	—	—	—	—
LSD (0.10)		14	10	16	10	**9**	12	7	11	**9**	8	**8**		
Average yield (T/ha)		3.67	4.22	2.91	4.86	**4.38**	5.08	5.34	6.27	**5.89**	4.41	**4.31**		
(bu/ac)		54.5	62.6	43.2	72.1	**64.9**	75.3	79.2	93.0	**87.4**	65.4	**64.0**		

Testing Locations: Table 5.1			
Inwood	2019	—	2021
Palmyra	2019	2020	2021
Ridgetown	2019	2020	2021
Talbotville	2019	2020	2021

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

Variety	Days to Mature	CLAY AVG Yield Index 1 year	CLAY AVG Yield Index 2 year	INWOOD Yield Index 2 year	PALMYRA Yield Index 2 year	PALMYRA Yield Index 3 year	LOAM AVG Yield Index 1 year	LOAM AVG Yield Index 2 year	RIDGETOWN Yield Index 2 year	RIDGETOWN Yield Index 3 year	TALBOTVILLE Yield Index 2 year	TALBOTVILLE Yield Index 3 year	Plant Height (cm)	Lodging 1=standing 5=flat
OAC Kent	117	106	102	104	99	**95**	94	93	95	**96**	90	**90**	96	2.6
HDC Blake	117	109	101	107	94	**93**	105	98	98	**97**	98	**91**	103	1.8
S20-M1Ω	118	91	95	71	101	101	106	105	105	105	106	107	101	2.0
P21A20	119	86	85	95	82	**90**	106	109	110	**107**	107	**105**	91	1.5
OAC BrutonΩ	119	110	111	106	114	**112**	99	101	103	**104**	99	**99**	98	2.1
S21-C6Ω	119	108	102	—	101	—	93	94	97	—	89	—	95	2.0
Candor	120	94	95	82	96	**97**	100	95	106	**103**	79	**84**	91	2.1
SG 2311	120	114	109	110	108	**104**	99	96	97	**96**	96	**96**	98	1.7
OAC Marvel	120	88	90	96	88	**90**	94	100	94	**95**	109	**104**	101	1.9
AAC McRaeΩ	122	100	100	103	101	**101**	108	103	100	**97**	107	**107**	104	2.0
Hickstead	122	96	99	—	101	—	101	101	97	—	107	—	95	1.9
DF 155	123	93	91	109	86	**91**	102	99	103	**104**	92	**97**	97	2.0
AAC 26-15	123	96	102	93	105	**105**	88	94	90	**92**	98	**99**	101	2.1
AAC WigleΩ	123	107	106	112	106	**104**	107	104	101	**102**	107	**107**	101	2.1
AAC Big Ben	125	109	113	110	117	**115**	112	109	103	**102**	116	**113**	111	2.2
DTM (1yr)														
OAC Aberdeen		117	99	—	—	—	—	114	—	—	—	—	—	— —
AAC TalbotΩ	120	92	—	—	—	—	70	—	—	—	—	—	—	—
LSD (0.10)		16	12	15	15	**13**	12	7	10	**8**	11	**9**		
Average yield (T/ha)		3.23	3.72	2.77	4.17	**3.92**	4.51	4.58	5.35	**5.21**	3.81	**3.78**		
(bu/ac)		47.9	55.2	41.1	61.9	**58.1**	66.9	67.9	79.3	**77.3**	56.5	**56.1**		

Testing Locations: Table 5.2			
Inwood	2019	—	2021
Palmyra	2019	2020	2021
Ridgetown	2019	2020	2021
Talbotville	2019	2020	2021

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

Variety	Days to Mature	CLAY AVG Yield Index 1 year	CLAY AVG Yield Index 2 year	MERLIN Yield Index 2 year	WOODSLEE Yield Index 2 year	LOAM AVG Yield Index 1 year	LOAM AVG Yield Index 2 year	CHATHAM Yield Index 2 year	CHATHAM Yield Index 3 year	MALDEN Yield Index 2 year	MALDEN Yield Index 3 year	Plant Height (cm)	Lodging 1=standing 5=flat
S26-E3	119	103	104	102	—	93	97	93	—	100	—	84	1.0
S29-R5X	120	97	95	93	96	98	101	110	**105**	92	**94**	88	1.2
Francis E3	121	86	84	85	—	102	101	100	—	103	—	81	1.0
PS 2720 EN	121	102	100	97	—	102	104	109	—	100	—	82	1.0
PS 2889XRN	121	93	95	94	97	93	97	103	**102**	90	**87**	89	1.0
Emerge E3	121	99	108	111	—	96	101	102	—	100	—	82	1.0
Superior R2X	122	94	98	99	88	95	96	98	**101**	94	**95**	88	1.1
B281KEΩ	124	106	100	98	—	101	94	92	—	96	—	83	1.0
B301ME	124	108	114	124	—	109	105	105	—	105	—	86	1.0
P28T14E	124	108	109	108	99	109	108	111	**106**	106	**107**	86	1.0
P31A22X	124	104	100	97	106	102	104	95	**96**	112	**110**	87	1.1
CP3220RX	126	98	98	96	—	96	97	97	—	97	—	94	1.2
P29A25X	126	99	98	100	102	96	89	86	**91**	92	**96**	87	1.0
S31-Y2X	127	103	100	97	110	109	105	98	**97**	112	**107**	89	1.0
DKB33-54	127	100	101	105	103	102	101	102	**102**	101	**104**	85	1.1
DTM (1yr)													
Wolverine E3	120	92	—	—	—	95	—	—	—	—	—	—	—
S28-H4E3	123	96	—	—	—	99	—	—	—	—	—	—	—
Supreme XF	123	98	—	—	—	96	—	—	—	—	—	—	—
P32T26E	127	101	—	—	—	97	—	—	—	—	—	—	—
P31A95BX	130	114	—	—	—	112	—	—	—	—	—	—	—
LSD (0.10)		9	9	13	6	10	8	14	**10**	8	**7**		
Average yield (T/ha)		5.56	5.14	4.62	5.65	4.73	4.50	4.45	**4.52**	4.55	**4.08**		
(bu/ac)		82.5	76.3	68.6	83.8	70.2	66.7	66.0	**67.1**	67.4	**60.6**		

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

Variety	Days to Mature	CLAY AVG Yield Index 1 year	CLAY AVG Yield Index 2 year	MERLIN Yield Index 2 year	WOODSLEE Yield Index 2 year	LOAM AVG Yield Index 1 year	LOAM AVG Yield Index 2 year	CHATHAM Yield Index 2 year	CHATHAM Yield Index 3 year	MALDEN Yield Index 2 year	MALDEN Yield Index 3 year	Plant Height (cm)	Lodging 1=standing 5=flat
S20-M1Ω	116	90	91	93	—	82	93	102	—	83	—	99	1.4
S21-C6Ω	116	95	95	93	—	102	99	101	—	98	—	92	1.2
SG 2311	116	118	116	115	104	106	96	92	93	100	96	91	1.0
OAC Marvel	116	102	103	103	90	97	99	102	**100**	96	**91**	98	1.1
AAC 26-15	119	99	99	96	97	105	106	106	**105**	107	**103**	95	1.1
DF 155	121	—	—	106	—	—	—	99	**98**	—	—	100	1.1
Hickstead	122	85	89	88	—	94	98	94	—	102	—	87	1.5
AAC Big Ben	125	105	106	106	100	103	109	104	**104**	115	**112**	103	1.4
	DTM (1yr)												
HDC Blake	117	110	—	—	—	101	—	—	—	—	—	—	—
AAC McRaeΩ	120	100	—	—	—	99	—	—	—	—	—	—	—
AAC WigleΩ	124	95	—	—	—	103	—	—	—	—	—	—	—
LSD (0.10)		13	11	13	10	11	8	10	**8**	12	**10**		
Average yield (T/ha)		4.67	4.45	4.27	5.28	4.29	4.03	4.07	**4.17**	3.98	**3.80**		
(bu/ac)		69.3	66.1	63.3	78.3	63.7	59.7	60.3	**61.8**	59.1	**56.3**		

Testing Locations: Table 6.1 & 6.2			
Merlin	—	2020	2021
Woodslee	2019	—	2021
Chatham	2019	2020	2021
Malden	2019	2020	2021

DISTRIBUTOR CONTACTS — Soybeans

DISTRIBUTOR	PHONE NUMBER
AAGRIS Co-operative Ltd	519-380-2384
Agrocentre Belcan	1-800-363-5146
C&M Seeds	1-888-733-9432
Cerela Inc.	450-894-2358
Corteva Agrscience (Brevant)	1-800-265-9435
Corteva Agrscience (Pioneer)	1-800-265-9435
DEKALB	519-767-3366
Hensall Co-op	519-262-3002
Huron Commodities Inc.	519-482-8400
Horizon Seeds Canada Inc.	519-842-5538
Maizex Seeds Inc. (Elite brand)	519-682-1720

DISTRIBUTOR	PHONE NUMBER
PRIDE Seeds	1-800-265-5280
Prograin	450-469-5744
Saatbau Linz	514-609-0881
SeCan	1-866-797-7874
Semican Inc	819-362-8823
Sevita International	613-989-3000
SG Ceresco Inc	450-427-3831
Snobelen Farms Ltd.	519-343-3630
Southwest Seeds Inc.	519-674-0054
Syngenta Canada, Inc.	1-888-366-4211
WinField United Canada	306-249-5112

Growers List

SOYBEANS

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.

5006555-01
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

AAC 26-15
Jarvis; Montague, Thomas ..... 905-870-4002 S

AAC BIG BEN
Ridgetown; Von Martels, Reinout Alfred..... 519-674-0054 S F C

AAC CORYLLIS
Saint-Urbain-Premier; Sg Ceresco Inc..... 450-427-3831 F R C

AAC HENSATTO
Hensall; Hensall District Co-Operative Inc. ..... 519-262-3002 S

AAC INVEST 1605
Lucknow; Snobelen, Sam..... 519-528-2092 F

AAC MALDEN
Wheatley; Recker Seeds ..... 519-818-0735 R

AAC MCRAE
Wheatley; Recker Seeds ..... 519-818-0735 F

AAC WIGLE
Jarvis; Montague, Thomas ..... 905-870-4002 R
Ridgetown; Von Martels, Reinout Alfred..... 519-674-0054 R
Wheatley; Recker Seeds ..... 519-818-0735 F R

AC X790P
Hensall; Hensall District Co-Operative Inc. ..... 519-262-3002 S R

ACORA
St-Cesaire; Semences Prograin Inc (Qc)..... 450-469-5744 S R

ALTITUDE R2
Almonte; Cochran Seeds..... 613-256-1029 C
Branchton; Szentimrey, Peter ..... 519-620-1100 S F
Brantford; Bow Park Farm Inc..... 519-751-9782 R
Carp; Donridge Farms Ltd..... 613-839-3062 C
Casselman; Lemoine, Marc..... 613-764-5599 C
Chesley; Mcdonald, Jamie ..... 519-377-0548 C
Cobden; Stone, Reuben & Keanan ..... 613-646-9737 C
Courtland; Horizon Seeds Canada Inc..... 519-842-5538 R
Lindsay; Hickson, Joseph..... 705-878-8200 C
Lucknow; Snobelen, Mike & Sam..... 519-528-2092 C
Lucknow; Snobelen, Sam..... 519-528-2092 R C
Metcalfe; Patterson, Dean ..... 613-821-5141 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 (On) ..... 613-524-2981 C

ANGELICA
Palmerston; C & M Seeds..... 519-343-2126 S F R

ASANA
St-Cesaire; Semences Prograin Inc (Qc)..... 450-469-5744 S R

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

AURELINA
Palmerston; C & M Seeds..... 519-343-2126 S F

B039Y1
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 S F R

SOYBEANS

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B060L1
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 S F

B081RX
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F

B088Y1
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R C

B091FE
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

B101CO
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 S F R

B102ZE
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F C

B138C0
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 S F R

B150Y1
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 R

B152RX
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F

B161ME
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F

B191FE
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

B221RX
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

B251FE
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

B281KE
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

B301ME
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

BAKARA
St-Cesaire; Semences Prograin Inc (Qc)..... 450-469-5744 C

BELIVEAU R2X
Branchton; Szentimrey, Peter ..... 519-620-1100 S F R
Chesley; Mcdonald, Jamie ..... 519-377-0548 R
Lucknow; Snobelen, Sam..... 519-528-2092 C
Ripley; Courtney Grain And Seed (2015) Ltd..... 519-395-2972 C
St. Isidore; Bercier, Marc & Guillaume (On) ..... 613-524-2981 R
Thornton; Alliance Agri-Turf..... 800-971-4870 R

BERCIKA
St. Isidore; Bercier, Marc & Guillaume (On) ..... 613-524-2981 F

BLACK PEARL
St. Albert; Legault, Raymond & Diane..... 613-987-5494 S F

BOURKE R2X
Cobden; Stone, Reuben & Keanan ..... 613-646-9737 C
Emo; Schraa, David..... 807-482-2420 R
New Liskeard; Labonte Seed Division ..... 705-647-3129 C
New Liskeard; Runnalls, Kevin ..... 705-622-1870 R

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CF2858XT

Lindsay; Hickson, Joseph	705-878-8200			C

COMPASS E3

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

CP0321X

Lindsay; Hickson, Joseph	705-878-8200		F	
Saskatoon; Winfield United Canada	888-975-4769	S		

CP0520RX

Lindsay; Hickson, Joseph	705-878-8200		F	
Saskatoon; Winfield United Canada	888-975-4769	S		
Thornton; Alliance Agri-Turf	800-971-4870	S	F	

CP0620RX

Lindsay; Hickson, Joseph	705-878-8200		F	
Thornton; Alliance Agri-Turf	800-971-4870	S	F	

CP0719RX

Lindsay; Hickson, Joseph	705-878-8200		F	
Saskatoon; Winfield United Canada	888-975-4769	S		
Thornton; Alliance Agri-Turf	800-971-4870	S	F	

CP0921X

Lindsay; Hickson, Joseph	705-878-8200		F	
Saskatoon; Winfield United Canada	888-975-4769	S		

CP1220RX

Lindsay; Hickson, Joseph	705-878-8200		F	
Saskatoon; Winfield United Canada	888-975-4769	S		

CP1221X

Lindsay; Hickson, Joseph	705-878-8200		F	
Saskatoon; Winfield United Canada	888-975-4769	S		

CURVE E3

Courtland; Horizon Seeds Canada Inc.	519-842-5538		F	

DIONNE R2X

Drumbo; Rodger Seeds	519-632-7500			C

EDGE R2X

Alvinston; Mc Rae, Jonathan & Matthew	519-464-2887			C

ENYO E3

St-Cesaire; Semences Prograin Inc (Qc)	450-469-5744	S	F	

EXP0321XRN

Chatham; Pride Seeds (Agreliant Genetics Inc.)	800-265-5280	S	F	

EXPAND R2X

Thornton; Alliance Agri-Turf	800-971-4870		F	C

EXPRESS R2X

Alvinston; Mc Rae, Jonathan & Matthew	519-464-2887		F	C
Alvinston; MacKellar Farms	519-318-4463	S	F	
Brantford; Bow Park Farm Inc.	519-759-7075		F	C
Denfield; Kuebler, Ralph	226-268-6934		F	

EXTENT R2X

Thornton; Alliance Agri-Turf	800-971-4870			R

HAKATA

St-Cesaire; Semences Prograin Inc (Qc)	450-469-5744	S		R

HALTIFO

St. Isidore; Bercier, Marc & Guillaume (On)	613-524-2981	S	F	

HARRIER E3

Lindsay; Bonis & Company Ltd	705-324-0544		F	

SOYBEANS

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HARVEY E3

St. Isidore; Bercier, Marc & Guillaume (On)	613-524-2981		F	C

HDC BLAKE

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

HICKSTEAD

Ridgetown; Von Martels, Reinout Alfred	519-674-0054	S	F	

HYDRA R2

Lindsay; Bonis & Company Ltd.	705-324-0544	S	F	

KEITH XF

Alvinston; Mc Rae, Jonathan & Matthew	519-464-2887	S		R
Branchton; Szentimrey, Peter	519-620-1100	S	F	
Brantford; Bow Park Farm Inc.	519-751-9782	S		C

LANDMARK E3

Courtland; Horizon Seeds Canada Inc.	519-842-5538		F	

MAHONY R2

Cobden; Stone, Reuben & Keanan	613-646-9737			C
Lucknow; Snobelen, Sam	519-528-2092			C
New Liskeard; Labonte Seed Division	705-647-3129			C

MARULA

St-Cesaire; Semences Prograin Inc (Qc)	450-469-5744	S		R

SOYBEANS

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MIKO R2
St-Cesaire; Semences Prograin Inc (Qc) ..... 450-469-5744 S F R

NANO R2X
St-Cesaire; Semences Prograin Inc (Qc) ..... 450-469-5744 S C

NSC MOLLARD LL
New Liskeard; Runnalls, Kevin ..... 705-622-1870 C

NSC SPERLING RR2Y
New Liskeard; Runnalls, Kevin ..... 705-622-1870 C

OAC ABERDEEN
St. Thomas; R&D Curtis Farms ..... 519-631-6241 F

OAC ADARE
Hensall; Hensall District Co-Operative Inc. ..... 519-262-3002 S F R

OAC AVATAR
Brantford; Bow Park Farm Inc. ..... 519-751-9782 R C

OAC BOUNTY
Lucknow; Snobelen, Sam ..... 519-528-2092 R

SOYBEANS

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.

OAC BRUTON
Alvinston; Mc Rae, Jonathan & Matthew ..... 519-464-2887 S R
Alvinston; MacKellar Farms ..... 519-318-4463 F R
Bath; Miller Seed Farm ..... 613-483-9423 S C
Branchton; Szentimrey, Peter ..... 519-620-1100 F R
Brantford; Bow Park Farm Inc. ..... 519-751-9782 F C
Courtland; Horizon Seeds Canada Inc. ..... 519-842-5538 R
Denfield; Kuebler, Ralph ..... 226-268-6934 F C
Harrow; Harrow Organic Farms Ltd. ..... 519-791-4347 R
Jarvis; Montague, Thomas ..... 905-870-4002 S F R C
Lucknow; Snobelen, Sam ..... 519-528-2092 C
Ridgetown; Von Martels, Reinout Alfred ..... 519-674-0054 R
St. Thomas; R&D Curtis Farms ..... 519-631-6241 S F C
Wheatley; Recker Seeds ..... 519-818-0735 F C

OAC DRAYTON
Lucknow; Snobelen, Sam ..... 519-528-2092 S F

OAC DURHAM
Lindsay; Hickson, Joseph ..... 705-878-8200 C

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

OAC KAMRAN
Brantford; Bow Park Farm Inc. ..... 519-751-9782 S F
Lucknow; Snobelen, Sam ..... 519-528-2092 S R
St. Thomas; R&D Curtis Farms ..... 519-631-6241 S F

OAC KENT
Alvinston; MacKellar Farms ..... 519-318-4463 F
Jarvis; Montague, Thomas ..... 905-870-4002 S F R

OAC LAKEVIEW
Lucknow; Snobelen, Sam ..... 519-528-2092 S F R

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

OAC MALORY
Harrow; Harrow Organic Farms Ltd. ..... 519-791-4347 R
Lucknow; Snobelen, Sam ..... 519-528-2092 S F R

OAC PRESCOTT
Westmeath; Reaburn, Larry J. ..... 613-582-3550 R

OAC STRIVE
Bath; Miller Seed Farm ..... 613-483-9423 C
Branchton; Szentimrey, Peter ..... 519-620-1100 S F C
Chepstow; Lang, Tony ..... 519-881-1114 F R C
Chesley; Mcdonald, Jamie ..... 519-377-0548 R
Dublin; Bolton, Carl W. ..... 519-525-6430 S F
Lindsay; Hickson, Joseph ..... 705-878-8200 R C
Lucknow; Snobelen, Mike & Sam ..... 519-528-2092 S F R
Lucknow; Snobelen, Sam ..... 519-528-2092 R
Palmerston; Connell, Dale A. ..... 519-343-2626 C
Ripley; Courtney Grain And Seed (2015) Ltd. ..... 519-395-2972 S F C
St-Isidore; Lanthier, Pascal ..... 613-227-9003 C
Thornton; Alliance Agri-Turf ..... 800-971-4870 C

OAC WALLACE
Bath; Miller Seed Farm ..... 613-483-9423 R

P03A11X
Chatham; Pioneer Hi-Bred Production Company ..... 800-265-9435 F R

P03A26X
Chatham; Pioneer Hi-Bred Production Company ..... 800-265-9435 F C

P05A35X
Chatham; Pioneer Hi-Bred Production Company ..... 800-265-9435 S F R

SOYBEANS

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.

P06A48X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

P07A18X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

P09A53X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R C

P09A62X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 S F R

P11A10
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 S F R

P13A89X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

P15A09X
Chatham; PPioneer Hi-Bred Production Company ..... 800-265-9435 F R

P15A63X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

P16T71E
Chatham; PPioneer Hi-Bred Production Company ..... 800-265-9435 F R

P17A51X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

P18A98X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 S F R

P19A14X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

P19T39R2
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 C

P20A22X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

P20T95E
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

P21A20
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F

P21A28X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

P21A81L
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 R

P23A32X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 R

P24A80X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

P24T76E
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

P25A68X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

P26A34X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

SOYBEANS

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.

P26T57E
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F

P27A17X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

P29A25X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R C

P30T99E
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F

P31A22X
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R

P31A95BX
Chatham; Pioneer Hi-Bred Production Company..... 800-265-9435 F R C

PRIMO
Palmerston; C & M Seeds ..... 519-343-2126 S F

PS 0420 XRN
Chatham; Pride Seeds (Agreliant Genetics Inc.) ..... 800-265-5280 S F R

PS 0779 XRN
Chatham; Pride Seeds (Agreliant Genetics Inc.) ..... 800-265-5280 S F R C

SOYBEANS

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PS 1119 XRN
Chatham; Pride Seeds (Agreliant Genetics Inc.) ..... 800-265-5280 S F

PS 1338 XRN
Chatham; Pride Seeds (Agreliant Genetics Inc.) ..... 800-265-5280 S F R

PS 1421 EN
Chatham; Pride Seeds (Agreliant Genetics Inc.) ..... 800-265-5280 S F

PS 1520 XRN
Chatham; Pride Seeds (Agreliant Genetics Inc.) ..... 800-265-5280 S F R

PS 2020 XRN
Chatham; Pride Seeds (Agreliant Genetics Inc.) ..... 800-265-5280 S F R C

PS 2120 EN
Chatham; Pride Seeds (Agreliant Genetics Inc.) ..... 800-265-5280 S F R

PS 2444 XRN
Chatham; Pride Seeds (Agreliant Genetics Inc.) ..... 800-265-5280 R

PS 2521 XFN
Chatham; Pride Seeds (Agreliant Genetics Inc.) ..... 800-265-5280 F

PS 2666 XRN
Chatham; Pride Seeds (Agreliant Genetics Inc.) ..... 800-265-5280 F R

SOYBEANS

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PS 2720 EN
Chatham; Pride Seeds (Agreliant Genetics Inc.) ..... 800-265-5280 F R

PS 2889XRN
Chatham; Pride Seeds (Agreliant Genetics Inc.) ..... 800-265-5280 F R

PS0416R2
Chatham; Pride Seeds (Agreliant Genetics Inc.) ..... 800-265-5280 R
Lindsay; Bonis & Company Ltd..... 705-324-0544 S

RAMAGE XF
Lindsay; Hickson, Joseph ..... 705-878-8200 F
Lucknow; Snobelen, Sam ..... 519-528-2092 F
Ripley; Courtney Grain And Seed (2015) Ltd..... 519-395-2972 S F
Thornton; Alliance Agri-Turf ..... 800-971-4870 F C

RANGER R2X
Denfield; Kuebler, Ralph ..... 226-268-6934 F

RD714
St. Albert; Legault, Raymond & Diane..... 613-987-5494 S F R

S008-N2
Lucknow; Snobelen, Mike & Sam..... 519-528-2092 C

S03-P4
Hensall; Hensall District Co-Operative Inc. ..... 519-262-3002 R

S03-W4
Hensall; Hensall District Co-Operative Inc. ..... 519-262-3002 R C

S07-M8
Hensall; Hensall District Co-Operative Inc. ..... 519-262-3002 R

S10-R2
Hensall; Hensall District Co-Operative Inc. ..... 519-262-3002 R

S12-J7
Hensall; Hensall District Co-Operative Inc. ..... 519-262-3002 R

S14-H3
Hensall; Hensall District Co-Operative Inc. ..... 519-262-3002 S F R

SAMSON E3
Ripley; Courtney Grain And Seed (2015) Ltd..... 519-395-2972 S
St. Isidore; Bercier, Marc & Guillaume (On) ..... 613-524-2981 S F
Thornton; Alliance Agri-Turf ..... 800-971-4870 S F

SAVARD E3
Parkhill; Willemse, Rick..... 519-294-6684 R

SEABROOK R2X
Thornton; Alliance Agri-Turf ..... 800-971-4870 S F

SG2311
Jarvis; Montague, Thomas ..... 905-870-4002 S

SHAW R2X
Cobden; Stone, Reuben & Keanan ..... 613-646-9737 S R

TRIQUET R2X
Cobden; Stone, Reuben & Keanan ..... 613-646-9737 S F C
New Liskeard; Runnalls, Kevin ..... 705-622-1870 S F

YOHO
Saint-Urbain-Premier; Sg Ceresco Inc ..... 450-427-3831 S 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 GoCanola.ca website.

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

The Ontario Dry Bean Tests are public trials conducted annually. The purpose of these tests is to obtain agronomic, pest, disease, and quality information for use in supporting the registration of new dry bean varieties and in preparing an annual performance report of varieties in Ontario. For more information go to the GoBeans.ca website.

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

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. (https://pbrfacts.ca)

PHOTO: FCAFOTODIGITAL/E+/GETTY IMAGES

Ontario Performance Trial Data

DRY BEANS — WHITE

2019-2021 Characteristics and Distributors

Variety	100 Seed Weight(g)[3]	Disease Reaction[1] Bean Common Mosaic Virus Race 1	Bean Common Mosaic Virus Race 15	Anthracnose[2] Race 17	Anthracnose[2] Race 23	Anthracnose[2] Race 73	Common Blight	Harvestability[4]	Distributor
Bolt	24.6	R	R	S	S	R	S	1.6	Hensall Co-op
Indi	20.4	R	S	S	S	S	S	1.4	ADM Seedwest
OAC Fusion	20.0	NA	NA	NA	NA	R	S	1.9	AAFC/U of G
AAC Shock	24.5	R	R	S	S	S	R	2.2	Hensall Co-op
OAC Charm	23.0	NA	NA	NA	NA	R	NA	2.3	AAFC/U of G
OAC Marker	21.7	NA	NA	NA	NA	NA	NA	2.2	AAFC/U of G
Blizzard	21.8	NA	NA	NA	NA	S	S	1.8	ProVita, ADM Seedwest
OAC Thunder	23.3	R	R	S	S	S	S	2.4	SeCan
HMS Medalist	20.9	R	S	S	S	S	S	1.9	ADM Seedwest
OAC Plasma	21.9	R	R	NA	NA	R	R	2.3	AAFC/U of G
Armada	23.8	NA	NA	NA	NA	NA	NA	1.9	ADM Seedwest
T9905	23.8	R	R	R	R	S	S	2.4	Treasure Valley, The Andersons
Lighthouse	22.6	R	R	NA	R	S	R	1.9	R.T. Bolton
AAC Argosy	23.9	R	R	S	S	S	R	2.3	Hensall Co-op
AC Apex	25.1	R	R	S	R	S	R	2.0	Treasure Valley, The Andersons
Nautica	20.3	R	R	S	S	S	S	2.0	Hensall Co-op
OAC Award	23.1	NA	NA	NA	NA	S	NA	2.4	AAFC/U of G
OAC Equinox	25.8	NA	NA	NA	NA	S	NA	1.8	AAFC/U of G
Victory	20.5	R	R	NA	NA	NA	NA	1.5	ADM Seedwest
Rogue	20.3	R	R	NA	NA	R	R	3.2	Hensall Co-op
Rexeter	21.6	R	S	S	S	S	R	2.7	Hensall Co-op

1 R = Resistant, S = Susceptible, NA = Not Available
2 Anthracose 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 harvestability 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.

2016-2020 Variety Performance Trial — Long Season Area

Variety	Days to Maturity[2]	Yield (lbs/ac)[1] Long Season All Locations[4] 5 Year	4 Year	3 Year	2 Year	St Thomas[4] 5 Year	4 Year	3 Year	2 Year	2020	Woodstock[4] 5 Year	4 Year	3 Year	2 Year	2020
Indi	90	—	—	3704	3524	—	—	4221	4426	4770	—	—	3188	2622	1790
Bolt	90	2842	3021	3171	2984	3105	3180	3270	3440	3685	2580	2862	3072	2528	2149
AAC Shock	90	2901	3058	3215	3283	3161	3195	3255	3589	3784	2641	2921	3176	2977	2396
HMS Medalist	91	—	—	—	3566	—	—	—	4291	4443	—	—	—	2840	2256
OAC Thunder	91	2707	2944	3038	3132	3187	3389	3446	3971	3968	2228	2499	2629	2292	1949
SV1893GH(1)	92	—	—	—	—	—	—	—	—	4280	—	—	—	—	2000
Lightning	92	2737	2897	3050	2960	2967	3041	3102	3491	3424	2507	2753	2999	2430	2249
Armada	92	—	—	3844	3708	—	—	4221	4362	4580	—	—	3467	3054	2414
Blizzard	93	—	—	3762	3673	—	—	4269	4478	4648	—	—	3255	2867	2392
OAC Plasma	94	3213	3416	3538	3541	3456	3553	3627	4057	4341	2971	3278	3449	3025	2510
Mist	94	3093	3293	3546	3466	3582	3637	3921	4138	4438	2604	2949	3172	2795	2157
Lighthouse	95	3201	3407	3558	3426	3783	3909	3981	4235	4464	2619	2905	3136	2616	2091
AAC Argosy	95	3264	3474	3581	3522	3736	3875	3909	4121	4141	2792	3072	3253	2923	2418
Nautica	95	3171	3346	3370	3238	3683	3799	3740	3962	3828	2659	2893	3000	2515	1716
T9905	95	3391	3601	3821	3545	3912	4040	4326	4346	4547	2870	3162	3316	2744	2256
Apex	95	3206	3419	3495	3518	3603	3699	3682	4166	4095	2808	3140	3309	2871	2452
Rogue	97	3304	3519	3610	3490	3574	3667	3671	3890	3952	3035	3371	3549	3091	2500
Rexeter	98	3062	3234	3374	3247	3699	3787	3912	4258	4380	2425	2681	2837	2235	1880
Average Yield (lbs/ac)1		3084	3279	3480	3401	3496	3598	3784	4072	4209	2672	2960	3175	2731	2199
LSD (0.05)3		153	173	203	213	254	288	330	323	470	171	194	234	278	348

1 To convert lbs/acre to t/ha divide by 893.
2 Maturity is 3 year average. 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 LSD (0.05) - the LSD is a measure of variability within the trial. There is a ninety five percent probability that yields that differ by an amount greater than the LSD are different. Yields that differ by an amount less or equal to the LSD should be considered the same.
4 No sufficient data was generated in 2021 for long season locations.

Long Season Testing Locations					
St Thomas	2020	2019	2018	2017	2016
Woodstock	2020	2019	2018	2017	2016

2017-2021 Variety Performance Trial — Short Season Area

Variety	Days to Maturity[2]	Yield (lbs/ac)[1] Short Season All Locations 5 Year	4 Year	3 Year	2 Year	Blyth 3 Year	2 Year	2021	Exeter 4 Year	3 Year	2 Year	2021	Winchester 3 Year	2 Year	2021
Bolt	97	2828	2815	2780	2876	3100	3146	3105	2725	2575	2632	2393	3110	3185	3030
OAC Fusion	98	2947	2914	2874	3009	2918	3048	3046	2951	2849	3011	2841	3208	3229	3327
Indi	98	—	3217	3195	3295	3508	3639	3522	3295	3134	3121	3099	3545	3659	3662
OAC Marker	99	—	3135	3112	3196	3290	3405	3538	3051	2945	2927	2919	3633	3685	3646
OAC Charm	99	—	3191	3200	3281	3222	3218	3426	3196	3175	3205	3022	3588	3722	3817
AAC Shock	99	3136	3123	3111	3181	3515	3501	3589	3084	2956	3034	2944	3315	3314	3607
Blizzard	100	—	3230	3241	3321	3326	3470	3598	3275	3222	3234	3173	3623	3651	3643
HMS Medalist	100	—	—	3239	3302	3400	3604	3393	—	2988	2951	2766	3660	3692	3633
OAC Thunder	100	3062	3084	3061	3100	3250	3331	3298	2994	2887	3005	2631	3518	3322	3202
OAC Plasma	101	3140	3103	3101	3138	3216	3335	3455	2983	2950	3030	3005	3472	3382	3396
Armada	101	—	3304	3254	3263	3475	3621	3276	3200	2976	2842	2603	3671	3666	3802
T9905	101	3101	3172	3184	3267	3186	3306	3343	3104	3042	3034	2784	3722	3856	3829
Victory	101	—	—	—	—	—	—	3540	—	—	—	2757	—	—	3635
Lighthouse	102	3186	3161	3117	3201	3337	3449	3401	3127	2964	2975	2887	3414	3443	3391
AC Apex	103	3158	3137	3077	3093	3198	3171	3419	3212	3073	3099	2743	3427	3359	3486
AAC Argosy	103	3222	3180	3137	3172	3194	3234	3508	3200	3063	3104	2798	3585	3594	3552
OAC Award	103	—	3201	3153	3126	2959	2931	3011	3195	3074	3034	2806	3684	3680	3657
Nautica	103	2937	2896	2871	2789	2904	2925	2822	2947	2878	2847	2687	3260	3025	3090
Rogue	104	3200	3171	3141	3193	3154	3187	3171	3248	3198	3176	2875	3425	3572	3660
OAC Equinox	104	—	3290	3249	3401	3468	3693	3726	3359	3239	3311	2842	3524	3543	3724
Rexeter	105	3115	3052	3008	2984	3169	3101	2953	3139	3023	2906	2704	3336	3315	3310
Average Yield (lbs/ac)1		3086	3125	3105	3159	3239	3316	3340	3120	3010	3024	2823	3486	3495	3529
LSD (0.05)3		91	96	112	137	244	316	353	185	219	296	360	238	261	345

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

2 Maturity is 3 year average. 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 LSD (0.05) - the LSD is a measure of variability within the trial. There is a ninety five percent probability that yields that differ by an amount greater than the LSD are different. Yields that differ by an amount less or equal to the LSD should be considered the same.

Short Season Testing Locations					
Blyth	2021	2020	2019	—	2017
Exeter	2021	2020	2019	2018	—
Elora	—	2020	2019	2018	2017
Winchester	2021	2020	2019	—	—

DRY BEANS — COLOURED MINOR

2019-2021 Characteristics and Distributors

Variety	Market Class	100 Seed Weight(g)[3]	Disease Reaction[1] Bean Common Mosaic Virus Race 1	15	Anthracnose[2] Race 17	23	73	Common Blight	Harvestability[4]	Distributor
La Paz	Pinto	40.0	NA	NA	NA	NA	S	S	2.9	ADM Seedwest
Black Tails	Black	23.3	NA	NA	NA	NA	NA	S	1.9	Western Harvest Bean
Zenith	Black	25.0	NA	NA	NA	NA	R	S	1.7	Hensall Co-op
OAC Rosito	Small Red	24.3	R	R	NA	NA	S	S	2.0	Hensall Co-op
Blackbeard	Black	24.6	NA	NA	NA	NA	NA	NA	1.7	Western Harvest Bean
Viper	Small Red	30.9	NA	NA	NA	NA	S	S	2.6	ADM Seedwest
Zorro	Black	24.6	R	R	R	R	S	S	2.0	Hensall Co-op
OAC Vortex	Black	24.2	R	R	NA	NA	S	R	2.4	AAFC/U of G
Spectre	Black	25.5	NA	NA	NA	NA	NA	NA	1.9	Western Harvest Bean

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

2 Anthracose 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 harvestability 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.

DRY BEANS — COLOURED MINOR *(continued)*

2017-2021 Variety Performance Trial

Variety	Market Class	Days to Maturity[2]	Yield (lbs/ac)[1] All Locations 5 Year	All Locations 4 Year	All Locations 3 Year	All Locations 2 Year	St Thomas 5 Year	St Thomas 4 Year	St Thomas 3 Year	St Thomas 2 Year	St Thomas 2021
La Paz	Pinto	92	3571	3497	3587	3546	3433	3327	3449	3395	2853
Black Tails	Black	93	—	—	3686	3648	—	—	3744	3931	3688
Zenith	Black	93	3630	3663	3775	3844	3812	3930	4026	4146	3541
OAC Rosito	Small Red	93	3340	3267	3384	3184	3555	3527	3660	3554	2996
Blackbeard	Black	94	—	3626	3679	3665	—	3716	3899	3953	3941
Viper	Small Red	94	3767	3769	3834	3803	3944	3930	3973	4015	3588
Zorro	Black	94	3611	3585	3698	3611	3797	3777	3864	3859	3356
OAC Vortex	Black	95	3733	3747	3809	3891	3881	3879	3936	4224	4486
Spectre	Black	98	—	3728	3720	3725	—	4022	3992	4056	3430
Average Yield (lbs/ac)1			3609	3610	3686	3657	3737	3764	3838	3904	3542
LSD (0.05)3			147	162	166	218	292	346	348	462	656

1 To convert lbs/acre to t/ha divide by 893.
2 Maturity is 3 year average. 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 LSD (0.05) - the LSD is a measure of variability within the trial. There is a ninety five percent probability that yields that differ by an amount greater than the LSD are different. Yields that differ by an amount less or equal to the LSD should be considered the same.

Testing Locations					
St Thomas	2021	2020	2019	2018	2017
Exeter	2021	2020	2019	2018	2017
Winchester	2021	2020	2019	2018	2017

DRY BEANS — COLOURED

2019-2021 Characteristics and Distributors

Variety	Market Class	100 Seed Weight(g)[1]	Disease Reaction[2] Bean Common Mosaic Virus Race 1	Bean Common Mosaic Virus Race 15	Anthracnose[3] Alpha Race 17	Anthracnose[3] Delta Race 23	Anthracnose[3] Race 73	Harvestability[4]	Distributor
Etna	Cranberry	62	R	R	S	S	S	2.8	Public
OAC Navabi	Cranberry	61	R	R	NA	NA	R	2.5	Plovgh
OAC Racer	Cranberry	66	R	R	NA	NA	R	2.9	AAFC/U of G
Vero	Cranberry	60	NA	NA	NA	NA	NA	3.5	ADM Seedwest
OAC Candycane	Cranberry	66	R	R	NA	NA	R	2.2	AAFC/U of G
OAC Firestripe	Cranberry	68	R	R	NA	NA	R	2.3	Plovgh
Red Rider	Cranberry	61	R	R	R	R	S	3.2	SeCan
Red Hawk	Dark Red Kidney	54	R	R	R	S	R	3.2	Public
Gallantry	Dark Red Kidney	58	NA	NA	NA	NA	R	2.6	Hensall Co-op
OAC Jasper	Dark Red Kidney	62	R	R	NA	NA	R	2.7	AAFC/U of G
Dynasty	Dark Red Kidney	63	R	S	R	S	R	3.0	Hensall Co-op
Big Red	Light Red Kidney	62	NA	NA	NA	NA	R	2.8	Western Harvest Bean
Pink Panther	Light Red Kidney	62	R	R	R	S	R	2.9	Public
OAC Jewel	Light Red Kidney	63	R	R	NA	NA	R	2.7	AAFC/U of G
OAC Firebrand	Light Red Kidney	55	NA	NA	NA	NA	R	2.8	AAFC/U of G
OAC Inferno	Light Red Kidney	62	R	S	R	S	R	3.4	Hensall Co-op
OAC Snowshoe	White Kidney	61	R	R	NA	NA	R	3.0	Plovgh
Yeti	White Kidney	55	R	R	NA	S	R	2.8	Hensall Co-op
OAC Iceberg	White Kidney	56	NA	NA	NA	NA	R	2.9	AAFC/U of G

1 Seed weight is 3 year average. 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.
2 R = Resistant, S = Susceptible, NA = Not Available
3 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.
4 A variety's harvestability 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.

Variety	Yield (lbs/ac)[1] Exeter 5 Year	4 Year	3 Year	2 Year	2021	Winchester 5 Year	4 Year	3 Year	2 Year	2021
La Paz	3325	3187	3255	3031	2978	3955	3977	4058	4212	4826
Black Tails	—	—	3239	3132	2904	—	—	4076	3881	4265
Zenith	3351	3368	3335	3412	3229	3726	3692	3963	3974	4926
OAC Rosito	3087	2910	2693	2490	2371	3378	3365	3801	3508	4077
Blackbeard	—	3545	3428	3424	3335	—	3618	3709	3618	4401
Viper	3588	3553	3520	3383	3137	3771	3823	4011	4010	4569
Zorro	3350	3298	3226	3133	2943	3684	3682	4005	3841	4344
OAC Vortex	3449	3430	3369	3478	3288	3870	3933	4124	3970	4714
Spectre	—	3470	3273	3184	2882	—	3693	3895	3937	4368
Average Yield (lbs/ac)1	3358	3345	3260	3185	3008	3723	3723	3960	3884	4499
LSD (0.05)3	221	222	263	345	339	248	255	242	309	433

2017-2021 Average Performance Trial

Variety	Market Class	Days to Maturity[2]	100 Seed Weight(g)[3]	Yield (lbs/ac)[1] 5 Year	4 Year	3 Year	2 Year	2021
Etna	Cranberry	81	62	2069	2088	1972	1848	1976
OAC Navabi	Cranberry	82	61	2281	2291	2273	2229	2304
OAC Racer	Cranberry	82	66	2037	2043	1977	1955	2008
Vero	Cranberry	84	60	1932	1938	1896	1840	1802
OAC Candycane	Cranberry	87	66	2475	2531	2527	2508	2418
OAC Firestripe	Cranberry	87	68	2475	2531	2490	2323	2349
Red Rider	Cranberry	89	61	2300	2344	2305	2212	2217
Average (lbs/ac)				**2224**	**2252**	**2206**	**2131**	**2153**
Red Hawk	Dark Red Kidney	86	54	1836	1863	1809	1783	1485
Gallantry	Dark Red Kidney	88	58	2312	2307	2314	2349	2305
OAC Jasper	Dark Red Kidney	89	62	2117	2110	2056	1956	2111
Dynasty	Dark Red Kidney	91	63	2341	2342	2285	2223	2200
Average (lbs/ac)				**2151**	**2155**	**2116**	**2078**	**2025**
Big Red	Light Red Kidney	82	62	2066	2102	2033	1895	2000
Pink Panther	Light Red Kidney	83	62	1922	1928	1799	1655	2083
OAC Jewel	Light Red Kidney	91	63	2189	2254	2215	2180	1909
OAC Firebrand	Light Red Kidney	91	55	2506	2506	2484	2469	2573
OAC Inferno	Light Red Kidney	94	62	2511	2572	2473	2524	2519
Average (lbs/ac)				**2239**	**2272**	**2201**	**2145**	**2217**
OAC Snowshoe	White Kidney	91	61	2463	2473	2378	2371	2367
Yeti	White Kidney	92	55	2128	2190	2134	2182	2065
OAC Iceberg	White Kidney	94	56	2127	2127	1982	1905	2160
Average (lbs/ac)				2239	2263	2165	2152	2197
LSD (0.05)4				97	108	120	145	213

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

2 Days to Maturity is 3 year average. 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 Seed Weight is 3 year average. 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 LSD (0.05) - the LSD is a measure of variability within the trial. There is a ninety five percent probability that yields that differ by an amount greater than the LSD are different. Yields that differ by an amount less or equal to the LSD should be considered the same.

Testing Locations					
St Thomas	2021	2020	2019	2018	2017
Exeter	2021	2020	2019	2018	—
Elora	—	2020	2019	2018	2017
Woodstock	2021	2020	2019	2018	2017

DRY BEANS — COLOURED *(continued)*

2017-2021 Performance Trial — St Thomas Station

Variety	Market Class	Days to Maturity St Thomas[2]	100 Seed Weight(g)[3]	Yield (lbs/ac)[1] St Thomas 5 Year	4 Year	3 Year	2 Year	2021	3 Year All Locations
Etna	Cranberry	74	62	2470	2344	1931	1738	1437	1972
OAC Navabi	Cranberry	76	61	2872	2872	2706	2582	2048	2273
OAC Racer	Cranberry	78	66	2272	2078	1871	1736	1356	1977
Vero	Cranberry	80	60	2126	2009	1768	1715	1129	1896
OAC Candycane	Cranberry	82	66	3051	3104	2933	2800	2189	2527
OAC Firestripe	Cranberry	82	68	2900	2904	2771	2650	2115	2490
Red Rider	Cranberry	86	61	2705	2673	2488	2403	1841	2305
Average (lbs/ac)				**2628**	**2569**	**2352**	**2232**	**1731**	**2206**
Red Hawk	Dark Red Kidney	80	54	2157	2136	1928	1982	1137	1809
Gallantry	Dark Red Kidney	82	58	2838	2760	2592	2584	1945	2314
OAC Jasper	Dark Red Kidney	84	62	2533	2457	2366	2201	1920	2056
Dynasty	Dark Red Kidney	86	63	2770	2632	2488	2484	1932	2285
Average (lbs/ac)				**2574**	**2496**	**2344**	**2313**	**1733**	**2116**
Big Red	Light Red Kidney	76	62	2573	2529	2081	1752	1363	2033
Pink Panther	Light Red Kidney	76	62	2137	2017	1701	1581	1521	1799
OAC Jewel	Light Red Kidney	87	63	2592	2611	2599	2563	1934	2215
OAC Firebrand	Light Red Kidney	89	55	2846	2846	2700	2879	2839	2484
OAC Inferno	Light Red Kidney	92	62	2983	2995	2780	2841	2484	2473
Average (lbs/ac)				**2626**	**2599**	**2372**	**2323**	**2028**	**2201**
OAC Snowshoe	White Kidney	87	61	2972	2898	2696	2702	2125	2378
Yeti	White Kidney	88	55	2525	2535	2478	2603	1806	2134
OAC Iceberg	White Kidney	90	56	2641	2641	2483	2594	2519	1982
Average (lbs/ac)				2713	2692	2552	2633	2150	2165
LSD (0.05)4				231	264	273	324	405	120

1 To convert lbs/acre to t/ha divide by 893.
2 Days to Maturity is 3 year average for St Thomas Station. 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 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 LSD (0.05) - the LSD is a measure of variability within the trial. There is a ninety five percent probability that yields that differ by an amount greater than the LSD are different. Yields that differ by an amount less or equal to the LSD should be considered the same.

2018-2021 Performance Trial — Exeter Station

Variety	Market Class	Days to Maturity Exeter[2]	100 Seed Weight(g)[3]	Yield (lbs/ac)[1] Exeter 4 Year	3 Year	2 Year	2021	3 Year All Locations
Etna	Cranberry	87	62	1721	2021	2225	2586	1972
OAC Navabi	Cranberry	87	61	1804	2186	2332	2713	2273
OAC Racer	Cranberry	87	66	1900	2128	2346	2858	1977
Vero	Cranberry	89	60	1910	2227	2430	2866	1896
OAC Candycane	Cranberry	92	66	2056	2369	2568	2670	2527
OAC Firestripe	Cranberry	92	68	2022	2364	2295	2722	2490
Red Rider	Cranberry	92	61	2035	2392	2463	2800	2305
Average (lbs/ac)				**1921**	**2241**	**2380**	**2745**	**2206**
Red Hawk	Dark Red Kidney	88	54	1542	1758	1759	1750	1809
Gallantry	Dark Red Kidney	90	58	1733	2094	2301	2475	2314
OAC Jasper	Dark Red Kidney	91	62	1857	2082	2178	2653	2056
Dynasty	Dark Red Kidney	92	63	1962	2175	2266	2543	2285
Average (lbs/ac)				**1774**	**2027**	**2126**	**2356**	**2116**
Big Red	Light Red Kidney	84	62	1795	2143	2290	2738	2033
Pink Panther	Light Red Kidney	86	62	1666	1913	1956	2716	1799
OAC Firebrand	Light Red Kidney	92	55	2174	2537	2554	2687	2484
OAC Jewel	Light Red Kidney	93	63	1828	2071	2049	2256	2215
OAC Inferno	Light Red Kidney	94	62	2272	2537	2667	2758	2473
Average (lbs/ac)				**1947**	**2240**	**2303**	**2631**	**2201**
OAC Snowshoe	White Kidney	91	61	2043	2260	2418	2688	2378
Yeti	White Kidney	92	55	1928	2204	2380	2605	2134
OAC Iceberg	White Kidney	95	56	1683	1823	1631	2144	1982
Average (lbs/ac)				1885	2096	2143	2479	2165
LSD (0.05)4				169	208	272	344	120

1 To convert lbs/acre to t/ha divide by 893.
2 Days to Maturity is 3 year average for Exeter Station. 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 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 LSD (0.05) - the LSD is a measure of variability within the trial. There is a ninety five percent probability that yields that differ by an amount greater than the LSD are different. Yields that differ by an amount less or equal to the LSD should be considered the same.

2016-2020* Performance Trial — Elora Station

Variety	Market Class	Days to Maturity Elora[2]	100 Seed Weight(g)[3]	Yield (lbs/ac)[1] Elora 5 Year	4 Year	3 Year	2 Year	2020	3 Year All Locations
Etna	Cranberry	81	65	1717	1739	1782	1927	1513	2116
OAC Racer	Cranberry	82	65	1669	1701	1663	1790	1729	2052
OAC Navabi	Cranberry	83	63	2154	2154	2086	2180	1966	2288
Vero	Cranberry	85	63	1625	1625	1550	1695	1475	1972
OAC Firestripe	Cranberry	88	69	2142	2142	2103	2306	2082	2577
OAC Candycane	Cranberry	89	68	2089	2148	2130	2275	2366	2559
Red Rider	Cranberry	91	62	1924	1947	1883	2037	1657	2375
Average (lbs/ac)				**1865**	**1882**	**1850**	**1998**	**1787**	**2240**
Red Hawk	Dark Red Kidney	86	57	1670	1701	1715	1861	1761	1958
Gallantry	Dark Red Kidney	89	58	2002	2050	1988	2166	2150	2308
OAC Jasper	Dark Red Kidney	92	66	1922	1922	1784	1797	1568	2110
Dynasty	Dark Red Kidney	92	65	1944	2022	1951	2101	1855	2377
Average (lbs/ac)				**1885**	**1924**	**1859**	**1981**	**1834**	**2188**
Big Red	Light Red Kidney	84	63	1572	1568	1507	1683	1450	2127
Pink Panther	Light Red Kidney	84	64	1681	1705	1659	1657	1217	1890
OAC Jewel	Light Red Kidney	92	64	1992	2081	2119	2176	2199	2340
OAC Inferno	Light Red Kidney	95	66	2103	2227	2150	2137	2023	2585
Average (lbs/ac)				**1837**	**1895**	**1859**	**1913**	**1722**	**2235**
OAC Snowshoe	White Kidney	93	63	2148	2148	2041	2167	1942	2500
Yeti	White Kidney	93	58	1650	1648	1606	1710	1652	2221
Average (lbs/ac)				1899	1898	1823	1939	1797	2360
LSD (0.05)4				152	171	197	267	275	125

* No 2021 data available for Elora station.

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

2 Days to Maturity is 3 year average for Elora Station. 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 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 LSD (0.05) - the LSD is a measure of variability within the trial. There is a ninety five percent probability that yields that differ by an amount greater than the LSD are different. Yields that differ by an amount less or equal to the LSD should be considered the same.

2017-2021 Performance Trial — Woodstock Station

Variety	Market Class	Days to Maturity Woodstock[2]	100 Seed Weight(g)[3]	Yield (lbs/ac)[1] Woodstock 5 Year	4 Year	3 Year	2 Year	2021	3 Year All Locations
Etna	Cranberry	82	62	2210	2429	1994	1748	1906	1972
OAC Racer	Cranberry	83	66	2179	2436	2057	1897	1809	1977
OAC Navabi	Cranberry	84	61	2172	2350	1988	1903	2151	2273
Vero	Cranberry	84	60	2000	2187	1826	1558	1412	1896
OAC Candycane	Cranberry	87	66	2495	2734	2448	2229	2394	2527
OAC Firestripe	Cranberry	87	68	2680	2989	2458	2144	2211	2490
Red Rider	Cranberry	89	61	2388	2668	2215	2048	2010	2305
Average (lbs/ac)				**2303**	**2542**	**2141**	**1932**	**1985**	**2206**
Red Hawk	Dark Red Kidney	88	54	1858	2022	1707	1620	1567	1809
OAC Jasper	Dark Red Kidney	90	62	2063	2260	1894	1684	1759	2056
Gallantry	Dark Red Kidney	91	58	2458	2668	2354	2259	2493	2314
Dynasty	Dark Red Kidney	92	63	2469	2723	2314	2101	2124	2285
Average (lbs/ac)				**2212**	**2418**	**2067**	**1916**	**1986**	**2116**
Big Red	Light Red Kidney	82	62	2176	2428	2107	1865	1900	2033
Pink Panther	Light Red Kidney	85	62	2085	2304	1879	1648	2012	1799
OAC Jewel	Light Red Kidney	92	63	2159	2424	2002	1918	1537	2215
OAC Firebrand	Light Red Kidney	92	55	2728	2728	2342	2197	2194	2484
OAC Inferno	Light Red Kidney	95	62	2460	2765	2326	2314	2316	2473
Average (lbs/ac)				**2322**	**2530**	**2131**	**1988**	**1992**	**2201**
OAC Snowshoe	White Kidney	94	61	2541	2803	2318	2207	2288	2378
Yeti	White Kidney	94	55	2273	2545	2004	1828	1784	2134
OAC Iceberg	White Kidney	95	56	2341	2341	1784	1720	1818	1982
Average (lbs/ac)				2385	2563	2035	1918	1963	2165
LSD (0.05)4				185	218	215	258	390	120

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

2 Days to Maturity is 3 year average for Woodstock Station. 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 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 LSD (0.05) - the LSD is a measure of variability within the trial. There is a ninety five percent probability that yields that differ by an amount greater than the LSD are different. Yields that differ by an amount less or equal to the LSD should be considered the same.

DISTRIBUTOR CONTACTS — Dry Beans

ADM Seedwest	1-800-637-5843 x4707	R.T. Bolton and Sons	1-519-525-6430
Elliott Grain Ltd.	1-519-461-1545	SeCan Association	1-613-592-8600
Ferguson Bros. of St. Thomas Ltd.	1-519-631-3463	The Andersons Canada Ltd.	1-519-676-5411
Hensall Co-op	1-800-265-5190	Treasure Valley Seed Co.	www.tvseed.com
Plovgh, Inc.	1-877-567-1678	Western Harvest Bean, Morden, MB	—
ProVita Inc.	1-208-463-7624		

Growers List

FIELD 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.

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

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

BLIZZARD
Hensall; Elder, Paul Lyndon ..... 519-872-8914 C

LIGHTHOUSE
Dublin; Bolton, Carl W. ..... 519-525-6430 S F

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

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

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

INDUSTRIAL HEMP

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.

HURV19PANⓊ
Ottawa; Cannabis Orchards ..... 613-709-8333 C

MARTHA
Stirling; Bouma, Adam ..... 613-847-6438 R
Stirling; Lott, Alicia ..... 613-827-5199 R C

RIGELⓊ
Cobden; Uni Seeds Inc. ..... 613-646-9737 C

TOBACCO

CT572
Windham Center; Diniz, David & Decarolis, Larry ..... 519-428-5921 C

CT92
Windham Center; Diniz, David & Decarolis, Larry ..... 519-428-5921 C

CTH14
Windham Center; Diniz, David & Decarolis, Larry ..... 519-428-5921 C

CTH144
Windham Center; Diniz, David & Decarolis, Larry ..... 519-428-5921 C

Forage Crops

Independent variety performance trial data is no longer collected or evaluated. We encourage forage producers to work with a reputable seed supplier, plant Certified seed and to follow recommended seeding rates.

PHOTO: CMANNPHOTO/ISTOCK/GETTYIMAGES

FORAGE MIXTURES FOR STORED FEED AND PASTURE

Mixture: Seeding Rate[1] LEGEND: S = suggested — not suggested	Best Suited for			Specific Guidelines
	Stored Feed	Managed Pasture	Intensively Pastured	
Alfalfa (14 kg/ha)	S	—	—	Only on well-drained fields. Easier to cure as silage than as hay. Harvest at proper stage for high nutrient-quality feed.
Alfalfa (13 kg/ha) + timothy (1 kg/ha)	S	—	—	Increase timothy up to 4 kg/ha for higher grass content and easier curing. Timothy gives stand insurance in areas prone to alfalfa winterkill. For higher nutrient-quality feed, harvest timothy at boot stage.
Alfalfa (11 kg/ha) + bromegrass (9 kg/ha)	S	—	—	Retains quality with increasing maturity better than orchardgrass or timothy mixtures. Bromegrass can thicken stand over time because of its rhizomes but does not have good persistence under aggressive cutting schedules.
Alfalfa (11 kg/ha) + orchardgrass (2 kg/ha)	S	—	S	Better midsummer production than timothy mixture. Select late orchardgrass and early alfalfa varieties. Graze or cut early to maintain quality and palatability. Percentage grass will be higher in all cuts than with timothy or bromegrass mixtures.
Alfalfa (11 kg/ha) + timothy (4 kg/ha) + bromegrass (9 kg/ha) +white clover (2 kg/ha)	S	—	S	Suitable for hay/pasture combinations.
Birdsfoot trefoil (9 kg/ha) + timothy (2 kg/ha)	S	S	—	Use later-maturing timothy varieties.
Birdsfoot trefoil (9 kg/ha) + bromegrass (4 kg/ha)	S	S	—	For long-term stands and early production. Graze early to reduce competition from bromegrass. Good brome growth in fall.
Birdsfoot trefoil (8 kg/ha) + orchardgrass (4 kg/ha)	—	—	S	Good early and mid-season production. Graze down orchardgrass to reduce competition with birdsfoot trefoil. Later-maturing orchardgrass varieties are preferred.
Birdsfoot trefoil (9 kg/ha) + tall fescue[2] (10 kg/ha)	S	S	S	Good early and mid-season production. Graze down orchardgrass to reduce competition with birdsfoot trefoil. Later-maturing orchardgrass varieties are preferred.
Birdsfoot trefoil (9 kg/ha) + creeping red fescue (6 kg/ha)	—	S	—	Good summer and fall production. Excellent quality in fall.
Red clover (11 kg/ha)	S			Short-term haylage production or plowdown crops
Red clover (7 kg/ha) + timothy (6 kg/ha))	S	—	—	Short-term haylage production. When clover disappears, plow or fertilize with nitrogen to maintain production.
White clover (2 kg/ha) + orchardgrass (9 kg/ha)	—	—	S	For pasture use where white clover is adapted. High fertility, adequate moisture and good grazing management required for top production. In dry areas, add alfalfa.

100 kg/ha = 90/acre
1 Under excellent conditions. For early seeding on a fine, firm seedbed, these rates may be reduced except where coated seed is used.
2 Use endophyte-free seed.
Source: OMAFRA Publication 811

GUIDELINES FOR SEEDING RATES FOR LEGUME AND PURE GRASS STANDS

LEGEND: N/A = not available

Species	Seeding Rate	Number of Seeds
Legume Species		
Alfalfa	13 kg/ha (12 lb/acre)	440,000 seeds/kg (200,000 seeds/lb)
Red clover	11 kg/ha (10 lb/acre)	605,000 seeds/kg (274,000 seeds/lb)
White clover	N/A	1,760,000 seeds/kg (798,000 seeds/lb)
Birdsfoot trefoil	9 kg/ha (8 lb/acre)	935,000 seeds/kg (424,000 seeds/lb)
Sweet clover	8-10 kg/ha (7-9 lb/acre)	572,000 seeds/kg (259,000 seeds/lb)
Alsike	N/A	1,540,000 seeds/kg (699,000 seeds/lb)
Pure Grass Species[1]		
Timothy	8-10 kg/ha (7-9 lb/acre)	2,706,000 seeds/kg (1,227,000 seeds/lb)
Orchardgrass	8-10 kg/ha (7-9 lb/acre)	1,439,000 seeds/kg (653,000 seeds/lb)
Bromegrass	10-14 kg/ha (9-12.5 lb/acre)	300,000 seeds/ kg (136,000 seeds/lb)
Meadow & tall fescue	9-11 kg/ha (8-10 lb/acre)	506,000 seeds/kg (230,000 seeds/lb)
Meadow fescue[2]	10-12 kg/ha (9-11 lb/acre)	506,000 seeds/kg (230,000 seeds/lb)
Perennial ryegrass	10-15 kg/ha (9-13.5 lb/acre)	500,000 seeds/kg (227,000 seeds/lb)
Reed canarygrass	10-12 kg/ha (9-13.5 lb/acre)	1,173,000 seeds/kg (532,000 seeds/lb)
Bluegrass	N/A	4,790,000 seeds/kg (2,173,000 seeds/lb)

1 For early seeding on a fine, firm seedbed, these rates may be reduced by 25%, except where coated seed is being used
2 Use coated seed. Seed through the grain seed box.
Source: OMAFRA Publication 811

Advertorial. Data provided by DLF Pickseed.

COMPANY	VARIETY	TOTAL YIELD (t/ac)	YIELD INDEX	TRIAL 5% LSD	TRIAL CV	TOTAL CUTS	# OF STATION YEARS
DLF Pickseed	**Eclipse**	**5.0**	**102**	**0.76**	**11.2**	**10**	**3**
Quality Seeds	Surge HG	4.9	100	0.76	11.2	10	3
Quality Seeds	Dominator	4.9	100	0.76	11.2	10	3

COMPANY	VARIETY	TOTAL YIELD (t/ac)	YIELD INDEX	TRIAL 5% LSD	TRIAL CV	TOTAL CUTS	# OF STATION YEARS
DLF Pickseed	**Instinct**	**4.0**	**102**	**0.55**	**9.5**	**8**	**2**
Quality Seeds	Boost HG	3.9	100	0.55	9.5	8	2
Pioneer	55V50	3.9	101	0.55	9.5	8	2

COMPANY	VARIETY	TOTAL YIELD (t/ac)	YIELD INDEX	TRIAL 5% LSD	TRIAL CV	TOTAL CUTS	# OF STATION YEARS
DLF Pickseed	**Echelon**	**2.7**	**106**	**0.110**	**11.2**	**6**	**2**
Quality Seeds	Dividend VL	2.4	100	0.110	11.2	6	2

COMPANY	VARIETY	TOTAL YIELD (t/ac)	YIELD INDEX	TRIAL 5% LSD	TRIAL CV	TOTAL CUTS	# OF STATION YEARS
DLF Pickseed	**Mahulena**	**4.0**	**113**	**0.64**	**14.5**	**9**	**3**
Quality Seeds	Pardus	3.2	100	0.64	14.5	9	3

PUTTING HAY INTO A CASH CROP ROTATION

By Christine O'Reilly
Forage and Grazing Specialist , OMAFRA

PHOTO: OMAFRA

The soil health benefits of having a perennial forage in the crop rotation are better than any cover crop, because its living roots are in the soil for much longer. Hay prices have been strong over the last couple of years, and there is always a market for high-quality hay. A feasibility study done by the Ontario Hay and Forage Co-op revealed that hay worth $260/tonne ($0.12/lb) can be as profitable as growing corn or soybeans. Based on supply, local markets vary across Ontario and year-to-year in terms of hay prices, but premium markets are much more stable – think dairy, horse, and export-quality hay. If growers can meet the specifications of buyers in a premium market, hay can be an excellent cash crop.

Producers must understand their market before they start growing hay. "Quality" means different things to different people, because buyers are trying to match the nutritional value of the hay with the nutritional needs of the livestock they are feeding. Ruminant markets value high protein and high digestible fibre, while horse markets value soft, green, dustfree hay that's more mature. International buyers all have their own criteria of what good quality hay should be. Producers considering hay as a cash crop should talk to potential buyers to find out what those buyers are looking for and which market is the right fit for their operation – even before they buy equipment or plant anything – to set themselves up for success.

TAKING THE PLUNGE

A low-cost way to get hay into the rotation is to trade acres, rent acres to a hay grower, or sell standing hay. This works best for operations whose neighbours have livestock and harvesting equipment. Trading acres or renting out the land lets both producers continue to specialize, while the land gets the benefit of the forage crop. Selling standing hay uses the planting and fertilizing equipment the crop operation already has but shifts the responsibility of harvest onto the buyer. Ideally, the price for standing hay should cover the costs of establishing and growing the crop – including nutrient removal – and add a little bit of profit. However, the local price of baled hay and other feedstuff will influence how much a livestock producer is willing to pay, so a fair price for both parties may take a bit of negotiation.

Share-cropping with some like-minded producers is another way to build a hay enterprise on a crop farm. Working together lowers the initial investment in hay equipment, because each partner buys some of what the pair/group needs. It also builds in a harvest crew that can bale and load up the hay quickly, which minimizes wheel traffic damage to the regrowth.

IF MARKETING HAY IS NOT APPEALING...

There are options for producers who just want to grow a great crop and leave the marketing to someone else. Many members of the Ontario Hay Marketing Forum are brokers as well as growers. They have clients all over North America looking for quality hay and often buy from other farmers to fill orders. Contact information for forum members can be found at https://onforagenetwork.ca/ontario-forage-council/ontario-hay-marketing-forum/

Processors that cube or pelletize hay for the horse and pet feed markets offer contracts to growers. Like other contracted crops, they specify the quality parameters the hay needs to meet. Agronomy support is a key component of meeting those crop specifications. Some processors send out their own agronomists, while others use a third-party service to give their growers advice. Interested growers should contact processors directly to see if they have contracts available.

The Ontario Hay & Forage Co-operative is recruiting members to grow hay for overseas markets. This group of producers understand what buyers in the Middle East are looking for and are developing a network of growers and processing facilities to meet those criteria. Their system revolves around using hay dryers to remove the weather risks associated with making dry hay, then double-compacting the bales to fit the most hay possible into a shipping container. More information about the co-op and their activities can be found at: https://onforagenetwork.ca/ontario-hay-forage-co-operative-inc/

There are many options for getting into the hay business that suit different sized farms, equipment investments, and amounts of marketing effort. Hay that commands a premium price takes the same level of management as other premium crops (e.g. IP soybeans), but it also offers soil health benefits that cannot be matched by annuals. ■

Additional Resources

PHOTO: KEKO64/ISTOCK/GETTY IMAGES

Additional Resources

AGRICORP
Jason Verkaik Chair ..... www.agricorp.com
Doug LaRose CEO 1-888-247-4999

AGRICULTURAL ADAPTATION COUNCIL
Doug Alexander Chair ..... www.adaptcouncil.org
Melanie DiReto Executive Director 519-822-7554

CHRISTIAN FARMERS FEDERATION OF ONTARIO
Ed Scharringa President ..... www.christianfarmers.org
Tom Tavani General Manager 1-855-800-0306

FARM AND FOOD CARE ONTARIO
Bonnie den Haan Chair ..... www.farmfoodcareon.org
Kelly Daynard Executive Director 519-837-1326

GRAIN FARMERS OF ONTARIO
Brendan Byrne Chair ..... www.gfo.ca
Crosby Devitt CEO 1-800-265-0550

NATIONAL FARMERS UNION / ONTARIO
Don Ciparis President ..... www.nfuontario.ca
Krista Long Executive Director 1-888-832-9638

ONTARIO AGRI BUSINESS ASSOCIATION
Claude Gauthier President ..... www.oaba.on.ca
Russel Hurst Executive Director 519-822-3004

ONTARIO BEAN GROWERS
Mike Donnelly-Vanderloo Chair ..... www.ontariobeans.on.ca
Ryan Koeslag Executive Director 519-510-8556

ONTARIO CANOLA GROWERS ASSOCIATION
Hubert Beaudry President ..... www.ontariocanolagrowers.ca
Ryan Koeslag Executive Director 519-510-2257

ONTARIO FEDERATION OF AGRICULTURE
Peggy Brekveld President ..... www.ofa.on.ca
Cathy Lennon General Manager 1-800-668-3276

ONTARIO FORAGE COUNCIL
Terry Nuhn President ..... www.ontarioforagecouncil.com
Ray Robertson Manager 1-877-892-8663

ONTARIO SEED GROWERS' ASSOCIATION
Shannon Bieman President ..... www.seedontario.ca
Colleen Acres Manager 613-826-2330

CANADIAN SEED GROWERS' ASSOCIATION
Joe Rennick President ..... www.seedgrowers.ca
Doug Miller Executive Director 613-236-0497

SEEDS CANADA
Ellen Sparry President ..... www.seeds-canada.ca
Barry Senft Executive Director 613-236-6451

ONTARIO SOIL AND CROP IMPROVEMENT ASSOCIATION
Chad Anderson President ..... www.ontariosoilcrop.org
Andrew Graham Executive Director 1-800-265-9751

ONTARIO MINISTRY OF AGRICULTURE, FOOD AND RURAL AFFAIRS
Ag Information Contact Centre ..... www.omafra.gov.on.ca
GENERAL 1-877-424-1300

Manager Field Crops
Deanna Németh 519-827-6878
EMAIL ..... deanna.nemeth@ontario.ca

Entomologist Field Crops
Tracey Baute 519-360-7817
EMAIL ..... tracey.baute@ontario.ca

Soil Management Specialist Field Crops (bilingual)
Sebastian Belliard 613-301-0897
EMAIL ..... sebastian.belliard@ontario.ca

Soybean Specialist
Horst Bohner 519-272-4827
EMAIL ..... horst.bohner@ontario.ca

Sustainability Specialist Field Crops
Christine Brown 519-533-3358
EMAIL ..... christine.brown1@ontario.ca

Weed Management Specialist Field Crops
Mike Cowbrough ..... 519-824-4120 ext 52580
EMAIL ..... mike.cowbrough@ontario.ca

Application Technology Specialist
Jason Deveau 519-209-1883
EMAIL ..... jason.deveau@ontario.ca

New Crop Development Specialist
Evan Elford 519-420-9343
EMAIL ..... evan.elford@ontario.ca

Cereals Specialist
Joanna Follings 519-400-7124
EMAIL ..... joanna.follings@ontario.ca

Crop Innovation Specialist
Ian McDonald ..... 519-824-4120 ext 56707
EMAIL ..... ian.mcdonald@ontario.ca

Canola and Edible Bean Specialist
Meghan Moran 519-546-1725
EMAIL ..... meghan.moran@ontario.ca

Soil Management Specialist Field Crops
Jake Munroe 519-301-0548
EMAIL ..... jake.munroe@ontario.ca

Forage and Grazier Specialist
Christine O'Reilly 705-341-4899
EMAIL ..... christine.oreilly@ontario.ca

Corn Specialist
Ben Rosser ..... 519-824-4120 ext 54865
EMAIL ..... ben.rosser@ontario.ca

Pathologist - Field Crops
Albert Tenuta 519-360-8307
EMAIL ..... albert.tenuta@ontario.ca

Industrial Crops Specialist
Jim Todd 519-426-3823
EMAIL ..... jim.todd@ontario.ca

Soil Management Specialist Horticulture
Anne Verhallen 519-359-6707
EMAIL ..... anne.verhallen@ontario.ca

UNIVERSITY OF GUELPH – OFFICE OF RESEARCH
Field Crop Research Facilities 519-824-4120
Website ..... www.uoguelph.ca/research/
Elora ..... dkells@uoguelph.ca
Emo ..... kbliss@uoguelph.ca
Huron ..... dhowse@uoguelph.ca
New Liskeard ..... hbyker@uoguelph.ca
Ridgetown ..... kmcewan@uoguelph.ca
Winchester ..... hbyker@uoguelph.ca
Woodstock ..... ostoffyn@uoguelph.ca

REGISTERED SEED MERCHANTS

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; Choice Seeds Inc. 519-765-1317
Ayr; FS PARTNERS 519-632-7900
Bath; Miller Seed Farm 613-483-9423
Belmont; Belmont Farm Supply 519-644-1650
Blenheim; Country Farm Seeds Ltd. 519-676-8672
Blenheim; Maizex Seeds Inc. 877-682-1720
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Chepstow; Lang Farms Ltd. 519-881-1114
Chesley; Rose Valley Farms 519-377-0548
Clinton; Huron Commodities Inc. 519-482-8400
Cobden; Valley Bio Ltd. 613-646-9737
Cottam; Agris Co-op 519-839-4861
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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; LG Dunlop Farms Ltd. 519-683-2858
Drumbo; Rodger Seeds 519-632-7500
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Dundas; William Dam Seeds 905-628-6641
Duntroon; 2095741 Ontario Inc./LifeFood Nutritionals 705-445-4706
Dutton; Agris Co-op 519-762-2836
Elmvale; FS Partners 705-322-5900
Emo; Purity Seeds Limited 807-482-2420
Exeter; Ondrejicka Elevators Limited 519-235-2218
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; The Andersons Canada Limited 519-262-2527
Hickson; Oxford AgroPro Ltd. 519-462-2721
Inkerman; Sevita International 613-989-9953
Innisfil; Clifton Seed Company 416-888-6169
Jarvis; Landray Farm Inc. 289-975-9074
Kitchener; Ontario Seed Company Ltd. 519-886-0557

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Lancaster; Munro Agromart Ltd. 613-347-3063
Leamington; Enza Zaden Canada Inc. 519-613-8022
Leamington; Plant Products Inc. 519-326-9037
Lindsay; Bonis & Company Ltd. 705-324-0544
Lindsay; DLF Pickseed Canada Inc. 705-878-9240
Lindsay; Midnight Acres Inc. 705-878-8200
Lucknow; Snobelen Farms Ltd. 519-528-2092
Maidstone; Santo Farms Seed Company 519-791-4564
Mitchell; FS Partners 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. 705-647-3129
New Liskeard; Phillips Seeds Ltd. 705-563-8375
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Oakwood; Sunderland Co-operative 705-344-3514
Oakwood; Graham Turf Seeds Ltd. 705-743-5501
Otterville; Davis Seed Company 519-879-6432
Oxford Station; Summit Seeds Inc. 613-258-1653
Palmerston; C&M Seeds 519-343-2126
Palmerston; Connell Farms Inc. 519-343-2626
Palmerston; Snobelen Farms Ltd 519-343-3630
Paris; Grand River Bean Inc. 519-442-2760
Parkhill; McGee Farm Services Limited 519-294-6750
Plympton Wyoming; Bgrow Inc. 519-381-5316
Ridgetown; Pioneer Hi-Bred Production Company 519-674-5476
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
Springfield; Sylvite Agri-Services Ltd. 519-773-8221
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Thorold; Stokes Seeds Ltd. 905-688-3634
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Tilbury; Maizex Seeds Inc. 519-682-1720
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Tillsonburg; Future Transfer Company Inc. 519-842-7600
Tilsonburg; GROWMARK Inc. 519-821-0795
Vienna; Max Underhill Farm Supply 519-866-3632
Wellandport; Clark Agri Service Inc. 905-386-6293
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Wheatley; Recker Seeds 2523586 Ont. Limited 519-818-0735
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 519-537-5157

ACCREDITED PRIVATE SEED LABS

Lab Name and Address	Contact	Purity & Germination
Ontario		
Canadian Seed Laboratories Box 217, 208 David St. Lindsay ON K9V 5Z4	**Barbara Gracie, Bonnie Benoit** Phone: 705 328-1648 Fax: 705 324-2550	Purity and Germination of all crop kinds.
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: 519 392-820	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.
Pioneer Hi-Bred Production Company 7398 Queen's Line Chatham ON N7M 5L1	**Monica Garcia** Phone: 519 352-6350 x76755 Fax: 519 380-2011	Purity and Germination in crop kinds in grade tables 1 and 7-10, Sorghum and Sorghum Sudan grass hybrids in table 4, Soybean and Sunflower in table 5, Hybrid Corn and Sunflower in Table 6 and Pop and Sweet corn in table 18.

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