



2021

Ontario Hybrid Corn Performance Trials

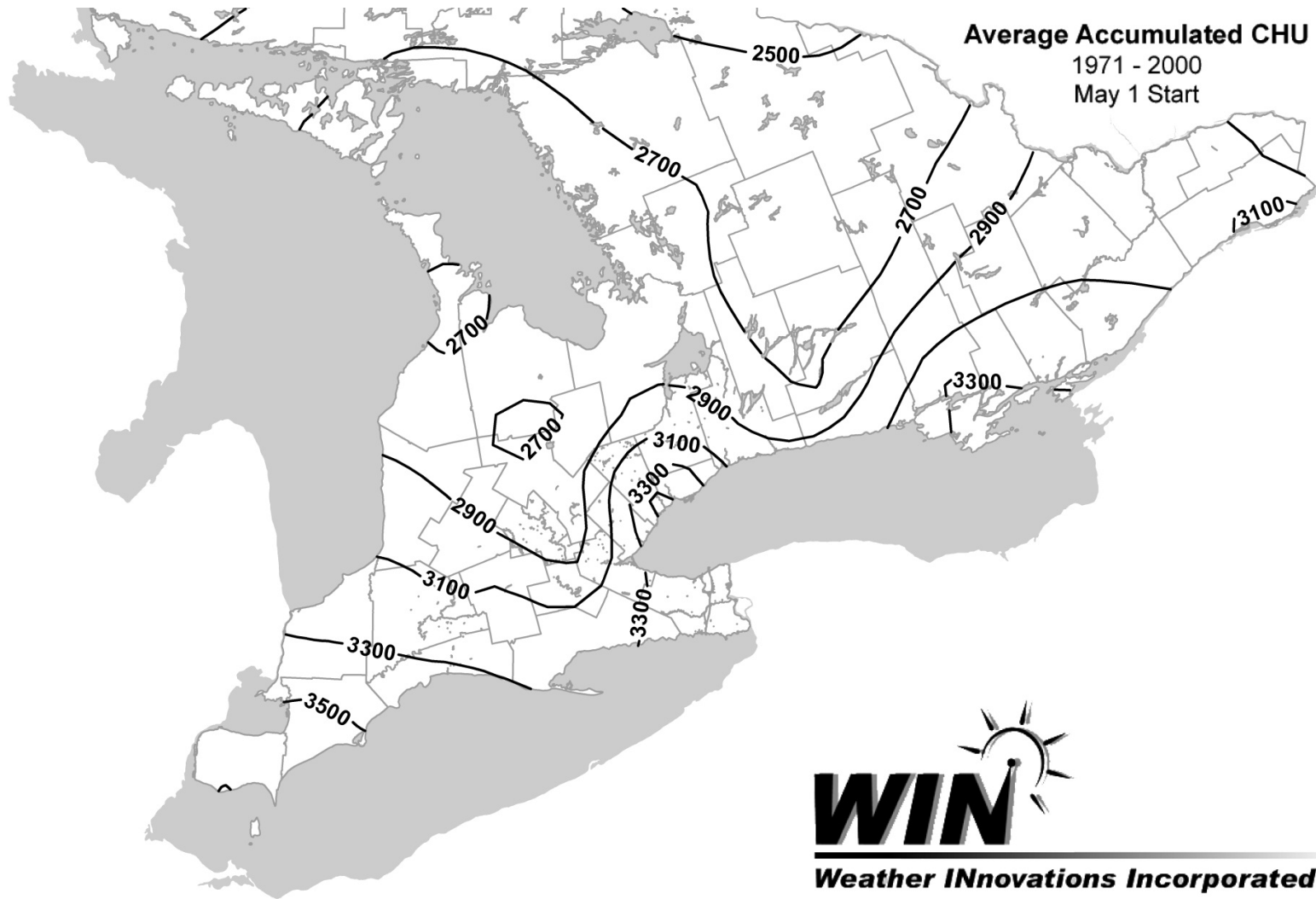
Data collected 2020-2021

Conducted by the Ontario Corn Committee • www.gocorn.net

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PDF files of this report
Sortable on-line tables
Yield x Moisture Content

Heat Units Available for Corn Production in Ontario



Notes: Corn Heat Unit 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.

ONTARIO CORN COMMITTEE

The ONTARIO CORN COMMITTEE is made up of representatives of Agriculture and Agri Food Canada, the Ontario Ministry of Agriculture, Food and Rural Affairs, the University of Guelph, the Ontario Soil and Crop Improvement Association, the Grain Farmers of Ontario and the Canadian Seed Trade Association. Hybrid Performance trials are conducted each year by the following cooperating agencies:

Ridgetown Campus, University of Guelph;
Plant Agriculture Department, University of Guelph;

Winchester Research Station, University of Guelph,

Kent Ag Research Inc.,

Agriculture and Agri-Food Canada at Ottawa.

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.

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Owen Sound, Ontario N4K 5N4

INTERPRETATION OF RESULTS

Index - 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/hl (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.

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.

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

% 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.

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

Explanation of Codes for Special Genetic Traits

Code	GM Traits
0	Conventional Hybrid
4	Roundup Ready Corn 2
6	VT Double PRO
8	SmartStax
10	Herculex I with Roundup Ready Corn 2
12	Herculex XTRA with Roundup Ready Corn 2
14	Agrisure GT
18	Agrisure 3000GT or Agrisure 3011
19	Agrisure GT/CB/LL or Agrisure 3010
20	Agrisure Viptera 3111
21	Agrisure Artesian 3011A
22	Agrisure 3110
23	Optimum AcreMax
24	Optimum AcreMax Xtreme
25	Optimum AcreMax Xtra
26	Agrisure 3122
27	Agrisure Viptera 3220
28	Agrisure 3120
29	PowerCore
30	PowerCore Enlist
31	SmartStax Enlist
32	Trecepta
33	Agrisure Duracade 5122
34	Agrisure Duracade 5222
35	Agrisure Viptera 3330
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
P5	Poncho 500

Seed Corn Dealers

Brand or Identification	Company	Address of Canadian Sponsor	Telephone
Brevant CROPLAN	Corteva Agriscience Winfield United	7398 Queen's Line, PO Box 730, Chatham, ON N7M 5L1 3850 concession 15, St. Isidore, ON K0C 2B0	1 800 265 9435 6133236846
De Dell DEKALB	De Dell Seeds Inc Bayer CropScience Inc.	7095 Century Drive, Melbourne, ON N0L 1T0 160 Quarry Park Blvd, Calgary, AB T2C 3G3	519-264-2676 1-888-283-6847
DLF PICKSEED Horizon	DLF Pickseed Canada Inc. Horizon Seeds Canada Inc.	1 Greenfield Road, Lindsay, ON K9V 4S3 531 Bostwick Rd., Courtland, ON N0J 1E0	1-705-878-9240 1-519-842-5538
Maizex NK Brand	Maizex Seeds Inc. Syngenta Seeds Inc.	4488 Mint Line, R.R.#2, Tilbury, ON N0P 2L0 15910 Medway Rd., R.R.#1, Arva, ON N0M 1C0	1-877-682-1720 1-800-756-SEED
Pioneer PRIDE Seeds	Pioneer Hi-Bred Canada Comp AgReliant Genetics Inc.	Box 730, 7398 Queens Line, Chatham, ON N7M 5L1 P. O. Box 1088, 6836 Pain Court Line, Chatham, ON N7M 5L6	1-800-265-9435 1-519-354-3210
Saatbau	Saatbau Linz	201 rue st louis . 412, St Jean/Richelieu, QC J3B 1X9	514-609-0881

2021 Trial Locations and General Information - Ontario Hybrid Corn Performance Trials

Location	See Table Number	Heat Unit Rating	5 Year Heat Unit Average ¹	2021 CHU Total ²	Soil Type	Co-operator	Final plants per acre ³	Date planted ⁴	Date Harvested
Orangeville	1	2700	N/A	N/A	Sandy Loam	Timstar Farms Ltd	34000	May 13	Nov 08
Dundalk	1	2600	N/A	N/A	Sandy Loam	Blydorp Farms Ltd	34000	May 14	Nov 05
Elora	2	2800	N/A	N/A	Silt Loam	University of Guelph	34000	May 10	Oct 12
Port Hope T2	2	2800	N/A	3118	Clay Loam	Bruce Hendry	35000	May 10	Nov 21
Winchester T2	2	3000	N/A	N/A	clay loam	OCRC-Winchester	34000	May 14	Nov 05
Wingham	2	2800	N/A	N/A	Silt Loam	Rob Warwick	34000	May 13	Oct 20
Bainsville	3E	3000	N/A	3174	Clay Loam	Rob McDonald	35000	May 12	Nov 17
Williamsburg	3E	3000		3101	Loam	Devries	35000	May 11	Nov 20
Winchester	3E	3000	N/A	N/A	silty clay	OCRC-Winchester	34000	May 13	Nov 08
Blyth	3W	3000	N/A	N/A	Silt Loam	Peter Heinrich	34000	May 13	Oct 28
Port Hope	3W	3000	N/A	3118	Clay Loam	Bruce Hendry	35000	May 10	Nov 21
Waterloo	3W	2900	N/A	N/A	Sandy Loam	Snyder Acres Inc	34000	May 11	Oct 18
Exeter	4	3050	N/A	3300	Loam	HRS	34000	May 14	Oct 29
Ilderton	4	3100	N/A	N/A	Clay Loam	Ralph Kuebler	34000	May 12	Nov 10
Woodstock	4	3150	N/A	3274	Silt Loam	Wes Hart	35000	May 11	Nov 11
Belmont	4	3250	N/A	N/A	Clay loam	Mark Taylor	34000	May 11	Nov 10
Ridgetown	5	3450	N/A	N/A	Sandy Loam	University of Guelph	34000	May 19	Oct 27
Tilbury	5	3650	N/A	N/A	Clay	Gus Ternoey	34000	May 18	Nov 23
Dresden	5	3600	N/A	N/A	Sandy Loam	Brent McFadden	34000	May 17	Nov 11

Notes:

1 Average total heat unit accumulation 2016 - 2020, inclusive.

2 Total heat unit accumulation at location from day of planting to either occurrence of killing frost (-2 C) or 30-year average end-of-season date.

3 These populations may not be suitable for your farm.

4 All trials planted in 30 inch row widths.

2021 Ontario Hybrid Corn Performance Trial Management Information

Location	Table	Previous Crop	Tillage		Soil Test Ratings			Fertilizer Applications				Herbicide or Pesticide Applications				Rainfall (mm)					
			Fall	Spring	P	K	pH	N	P2O5	K2O	S	Product	Rate	Date	Method	May	Jun	Jul	Aug	Sep	Total
Orangeville	1	Soybeans		Cultivator	LR	LR	6.7	158	42	104	0	Primextra	4.0 l/ha	May 27		37	77	76	60	144	394
Dundalk	1	Wheat with Rye Cover		Cultivator/TurboTill	MR	MR	7.4	160	42	82	10	Callisto	0.3 l/ha	May 27		40	85	125	88	164	502
												Roundup		May 08	pre						
												Primextra	4.0 l/ha	May 27	post						
Elora	2	Wheat	Chisel Plow	Cultivatorx2	MR	MR	7.4	170	110	110	10	Callisto	0.3 l/ha	May 27	post	25	124	102	43	187	481
												Acuron	4.9 l/ha	May 19	post						
Port Hope T2	2	Soybeans	None	Conventional	LR	MR	6.1	200	75	100	0	Acuron	2l/acre	May 11	pre	7	42	144	24	141	358
												Distinct	114g/acre	Jun 14	post						
												Accent	13g/acre	Jun 14	post						
Winchester T2	2	Oats	Chisel Plow	Cultivator (2x)	RR	LR	5.4				0	Integrity	0.44L/acre	May 18	pre	9	87	108	46	107	357
												Accent	13 g/acre	Jun 18	post						
												Distinct	115 g/acre	Jun 18	post						
												Agral 90	2.5 L/acre	Jun 18	post						
Wingham	2	Winter Wheat	None	Vertical Tillage	LR	RR	7.4	200	13	3	23	Acuron	1.96 L/ac	May 27	post	50	160	120	102	189	621
Bainsville	3E	Soybeans	None	Conventional	MR	HR	5.1	200	75	100	0	Acuron	2L/acre	May 14	pre	5	66	153	94	75	393
												Distinct	114g/acre	Jun 14	post						
												Accent	13g/acre	Jun 14	post						
Williamsburg	3E	Soybeans	None	Conventional	LR	MR	5.6	200	75	100	0	Acuron	2L/acre	May 13	pre	3	94	42	50	79	268
												Distinct	114g/acre	Jun 11	post						
												Accent	13g/acre	Jun 11	post						
Winchester	3E	Soybean	Chisel Plow	Cultivator (2x)	RR	RR	5.4				0	Armezon Pro	0.4L/acre	May 13	pre	9	87	108	46	107	357
												Aatrex	0.4L/acre	May 13	pre						
												Distinct	115 g/acre	Jun 18	post						
												Accent	13g/acre	Jun 18	post						
Blyth	3W	Winter Wheat	Strip Till	Strip till	RR	RR	7.2	165	13	3	0	Option	0.630 L/ac	Jun 08	post	50	150	100	65	189	554
												Aatrex	0.930 L/ac	Jun 08	post						
												UAN	1.0 L/ac	Jun 08	post						
Port Hope	3W	Soybeans	None	Conventional	LR	MR	6.1	200	75	100	0	Acuron	2L/acre	May 11	pre	7	42	144	24	141	358
												Distinct	114g/acre	Jun 14	post						
												Accent	13g/acre	Jun 14	post						
Waterloo	3W	Wheat		Vertical Tillage	MR	MR	7.6	190	85	100	15	Primextra	3.5 l/ha	May 05	ppi	28	126	89	81	205	529
												Callisto	0.3 l/ha	May 27	post						
Exeter	4	Winter Wheat	Strip till	None	LR	LR	7.4	185	13	3	0	Marksman	1.8 L/ac	May 27	pre	34	100	135	63	235	567
												Roundup	1.0 L/ac	May 27	pre						
Ilderton	4	Soy	None	Cultivate	MR	RR	7.2	180	70	36	20	Acuron	1.96 L/ac	May 27	post	40	124	103	85	162	514
Woodstock	4	Soybeans	None	Conventional	LR	MR	7.1	220	75	100	0	Acuron	2L/acre	May 26	post	21	87	93	47	210	458
Belmont	4	Soybeans	N/A	High speed disk	MR	MR	6.8	180	13	3	0	Primextra	1.25 l/ac	May 08	pre	40	165	123	79	170	577
												Engenia	0.25 l/ac	May 08	pre						
Ridgetown	5	Wheat	Chisel Plow	Cultivate	MR	MR	6.6	180	13	3	0	Acuron	1.96 L/ac	May 27	post	47	110	126	88	114	485
Tilbury	5	Soybeans	Chisel Plow	Cultivate	MR	RR	6	180	13	3	0					48	102	97	70	87	404
												Acuron	1.96L/Acre	Jun 03	post						
Dresden	5	Wheat	Chisel Plow	Cultivate	HR	LR	6.8	180	13	3	0	Acuron	1.96 L/ac	May 28	post	46	105	101	72	84	408

Table 1: Orangeville, Dundalk

2021 Ontario Hybrid Corn Performance Trials - Conducted by the Ontario Corn Committee

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages ¹				2021 averages ²				Results of 2021 Performance Trials					
					average of 4 trials				average of 2 trials				DUNDALK			ORANGEVILLE		
					Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2150	Pioneer	P7574AM	23	L					91	23.2	1	104	88	24.4	0	94	22.0	1
2225	Pioneer	P7844AM	23	L					93	24.4	0	101	96	26.4	0	90	22.5	0
2250	Pioneer	P7861AM	23	L	88	25.5	0	102	87	24.6	0	101	92	26.3	0	81	22.9	0
2250	Saatbau	AMELLO	0	C	95	27.3	1	105	94	25.8	1	105	90	28.1	0	98	23.4	1
2300	Brevant	B79H45AM	23	L					93	25.5	0	100	94	27.2	0	92	23.8	0
2300	Pioneer	P7955AM	23	L	88	25.8	0	104	83	24.3	0	103	84	25.8	0	81	22.9	0
2375	CROPLAN	CP2180VT2P	6	F					99	24.5	0	98	99	26.9	0	98	22.1	0
2400	Pioneer	P8234AM	23	L	89	25.5	0	101	92	24.5	0	101	98	26.8	0	85	22.3	0
2400	Pioneer	P8294AM	23	L					98	24.1	1	101	98	25.3	0	99	23.0	1
2425	Brevant	B83R36AM	23	L	96	26.5	0	99	95	26.0	1	99	100	27.9	0	89	24.1	1
2425	CROPLAN	CP2112ASD/EZ	33	F					93	25.7	0	101	88	27.6	0	99	23.7	0
2425	De Dell	DL 1100	0	-					95	25.6	0	104	97	27.2	1	92	24.0	0
2450	CROPLAN	2288VT2P/RIB	6	F	95	27.4	0	102	92	26.9	0	101	93	30.7	0	92	23.0	0
2450	De Dell	Devour	0	-	98	29.2	0	102	100	28.2	0	101	101	31.7	0	98	24.6	0
2450	Horizon	HX 2252	0	F					110	26.9	0	98	111	29.7	0	109	24.0	0
2450	Pioneer	P8407AM	23	L	101	27.9	0	98	101	27.4	0	98	97	30.4	0	106	24.5	0
2450	Saatbau	ATLANTICO	0	C					106	27.3	0	103	114	28.7	0	97	25.8	0
2475	Saatbau	ALBIREO	0	C	99	28.8	1	105	99	27.0	2	104	99	29.3	1	98	24.8	4
2500	CROPLAN	CP2315VT2P/RIB	6	F	102	26.5	0	100	100	24.9	0	99	106	27.3	0	92	22.5	0
2500	DEKALB	DKC33-37RIB	6	A	99	26.2	0	102	98	25.7	0	101	99	28.7	0	96	22.6	0
2500	DLF PICKSEED	PS 2563GSX RIB	8	L	95	28.8	0	99	96	28.2	0	99	95	30.4	0	98	26.0	0
2500	PRIDE Seeds	A5105	0	F					95	25.0	0	103	98	26.5	0	91	23.5	0
2550	Horizon	HZ 2534	27	F	100	28.3	0	101	103	27.1	0	101	99	29.0	0	107	25.1	0
2550	Horizon	HZ 2536	34	F	99	28.8	0	101	106	26.8	0	102	103	29.0	0	109	24.5	0
2550	Maizex	E53G52 R	6	F	98	26.7	0	101	98	25.5	0	100	102	27.9	0	93	23.1	0
2550	Maizex	MZ 248X	0	F	100	28.4	0	101	103	26.9	0	102	100	30.8	0	106	23.1	0
2550	NK Brand	NK8204-3220	27	F	96	28.1	0	101	95	25.9	0	101	99	28.2	0	91	23.5	0
2550	Pioneer	P8537AM	23	L	96	27.4	0	100	99	27.2	0	100	95	30.1	0	103	24.3	0
2550	Pioneer	P8736AM	23	L	104	27.8	0	98	102	26.3	0	98	102	28.7	0	101	23.8	0
2575	DEKALB	DKC35-29RIB	6	L					106	27.1	0	101	104	30.6	0	108	23.6	0
2575	DEKALB	DKC35-37RIB	6	A	104	28.0	0	99	104	26.6	0	98	102	29.4	0	107	23.9	0
2575	DLF PICKSEED	PS 2570VT2P RIB	6	L					109	27.1	0	101	110	30.5	0	108	23.8	0
2575	PRIDE Seeds	A5225G2 RIB	6	F	96	27.2	0	102	94	26.4	0	102	96	29.1	0	92	23.6	0
2600	CROPLAN	CF255	6	F	96	27.8	0	102	91	26.7	0	102	89	28.2	0	94	25.1	0
2600	DEKALB	DKC36-48RIB	6	L					110	26.4	0	100	108	29.0	0	113	23.9	1
2600	DLF PICKSEED	PS 2635VT2P RIB	6	L	101	28.8	0	100	100	27.1	0	99	99	29.8	0	102	24.5	0

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					average of 4 trials				average of 2 trials				DUNDALK			ORANGEVILLE		
					Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2600	Maizex	MZ 2699DBR	6	F	108	28.0	0	99	107	27.1	0	99	105	29.9	0	109	24.4	0
2600	Pioneer	P8820Q	36	L					95	26.2	0	99	95	28.8	0	94	23.6	0
2600	Saatbau	EGIDIO	0	C	104	28.7	0	96	108	27.0	0	97	107	30.5	0	109	23.5	1
2625	DEKALB	DKC36-86RIB	6	A	104	28.3	0	97	103	27.0	0	97	105	29.7	0	100	24.3	0
2625	DLF PICKSEED	PS 2777RR	4	L	104	29.1	0	99	105	28.4	0	99	104	32.0	0	105	24.9	0
2650	DEKALB	DKC37-73RIB	6	A	104	28.0	0	98	104	27.0	0	99	104	29.6	0	105	24.4	0
2650	NK Brand	NK8519-5222	34	F	93	29.8	0	97	96	28.0	1	99	100	30.7	1	91	25.2	0
2650	NK Brand	NK8618-5122A	33	F	103	28.9	0	99	104	27.7	0	99	102	31.0	0	106	24.4	0
2650	Pioneer	P9188AM	23	L	104	28.1	0	99	111	27.3	0	99	107	29.7	0	115	24.9	0
2650	PRIDE Seeds	A5404G2 RIB	6	F	102	28.1	0	100	97	27.1	0	99	91	29.2	0	104	24.9	0
2675	DEKALB	DKC38-15RIB	32	L					105	27.5	0	99	99	30.6	0	111	24.4	0
2675	Maizex	MZ 2982DBR	6	F	113	29.3	0	99	111	28.4	0	99	109	31.5	0	113	25.3	0
2675	PRIDE Seeds	A5383G8 RIB	8	F	101	28.6	0	99	99	27.3	0	100	106	30.0	0	92	24.6	0
2700	DLF PICKSEED	PS 2778VT2P RIB	6	L	105	28.9	0	99	107	27.2	0	99	107	29.7	0	107	24.6	0
2725	DEKALB	DKC39-55RIB	6	L	109	29.5	0	98	107	27.8	0	97	107	30.0	0	107	25.6	0
2725	DEKALB	DKC40-99RIB	32	L					103	29.4	2	98	98	32.3	5	109	26.6	0
2725	NK Brand	NK9023-5222	34	F					100	29.3	0	97	99	32.2	0	101	26.4	0
2800	DEKALB	DKC42-05RIB	6	L	108	29.3	0	97	111	28.4	0	97	109	31.2	0	114	25.6	0
LSD (0.10) for Yield Index Points*					4				6				9			9		
Average all hybrids **					208	28.0	0	67	221	26.6	0	69	234	29.1	0	208	24.1	0

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.

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.

Table 2: Elora, Port Hope, Winchester, Wingham

2021 Ontario Hybrid Corn Performance Trials - Conducted by the Ontario Corn Committee

CHU	Brand and/or Hybrid	GM Trait	Seed Trt	2020-2021 averages ¹				2021 averages ²				Results of 2021 Performance Trials												
				average of 8 trials				average of 4 trials				ELORA			PORT HOPE T2			WINCHESTER T2			WINGHAM			
				Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	
2300	Brevant	B79H45AM	23	L					88	20.9	2	104	86	25.5	0	97	18.5	3	87	18.3	0	85	21.2	5
2450	Pioneer	P8407AM	23	L	97	20.9	1	102	96	22.2	0	101	93	27.1	0	106	18.7	0	92	19.3	0	94	23.6	0
2550	Maizex	MZ 2452DUR	33	F					101	22.5	0	104	100	27.0	0	105	19.2	2	98	20.0	0	101	23.7	0
2550	Maizex	MZ 248X	0	F	101	21.1	1	103	99	22.0	0	102	104	26.6	0	99	18.6	0	95	19.5	0	98	23.4	0
2550	Pioneer	P8537AM	23	L	93	20.9	1	103	94	22.0	0	102	94	26.9	0	83	19.0	0	99	19.1	0	98	23.2	2
2550	Pioneer	P8736AM	23	L	98	20.9	1	100	95	21.8	1	99	88	25.5	0	95	18.5	0	99	19.6	0	98	23.4	2
2600	CROPLAN	CF255	6	F					86	21.8	1	103	84	26.3	0	88	18.8	3	88	18.8	0	84	23.1	0
2600	Maizex	MZ 269	0	F	99	21.2	2	102	95	22.6	1	102	106	28.1	0	92	18.8	3	87	19.4	2	96	24.2	1
2600	Maizex	MZ 2699DBR	6	F	99	21.1	1	102	97	22.3	0	101	96	27.9	0	99	18.6	2	99	19.2	0	96	23.5	0
2600	Pioneer	P8820Q	36	L	93		1	100	91	22.7	0	98	96	27.4	0	89	18.6	2	94	20.3	0	85	24.3	0
2625	De Dell	DL 2315	0	-	99	21.4	1	103	97	22.4	1	102	97	27.3	0	102	18.7	2	90	19.9	1	99	23.6	1
2650	Brevant	B90J12AM	23	L	98	21.5	1	98	98	22.2	0	97	104	27.2	0	97	18.5	0	97	19.6	0	92	23.5	0
2650	Brevant	B91T25AM	23	L	105	22.1	1	99	108	23.2	1	99	104	28.7	0	108	18.7	3	110	20.9	0	112	24.7	0
2650	CROPLAN	2790VT2P/RIB	6	F	98	21.0	3	101	95	22.1	1	100	91	28.0	0	101	18.5	4	99	19.8	0	91	22.0	0
2650	Maizex	MZ 2711DBR	6	F					96	22.8	0	98	93	28.7	0	104	18.3	0	97	21.2	0	90	22.9	0
2650	NK Brand	NK8618-5122A	33	F	100	21.6	1	102	97	22.5	1	101	99	27.0	0	98	18.4	3	96	20.6	0	93	23.9	0
2650	Pioneer	P9188AM	23	L	97	21.6	0	101	97	23.0	0	101	98	27.8	0	96	19.2	0	96	20.7	0	99	24.2	0
2675	CROPLAN	CP2851VT2P/RIB	6	F	95	21.5	1	100	92	22.7	1	100	93	28.6	0	88	18.5	2	98	20.6	0	91	22.9	0
2675	Maizex	MZ 2982DBR	6	F	103	22.0	1	99	100	23.0	0	99	93	27.0	0	100	18.9	1	98	22.2	0	109	23.8	0
2700	CROPLAN	2965VT2P/RIB	6	F	95	21.5	2	101	93	22.6	0	101	93	28.2	0	89	18.6	2	102	19.8	0	88	23.6	0
2700	CROPLAN	CP3166VT2P	6	F					100	23.9	0	96	94	27.8	0	109	18.6	1	93	23.1	0	104	26.1	0
2700	DLF PICKSEED	PS 2778VT2P RIB	6	L	97	21.0	0	102	96	22.1	0	101	98	27.1	0	99	18.2	0	93	19.7	0	94	23.2	0
2700	Horizon	HZ 3015	0	F					102	23.0	2	101	110	28.2	0	97	18.6	6	94	21.7	1	106	23.5	2
2700	Horizon	HZ 3020	14	F	100	22.3	1	99	105	22.9	0	100	105	28.6	0	114	18.7	0	93	20.6	1	110	23.5	0
2725	Brevant	B92R26AM	23	L	102	21.9	1	97	102	23.4	0	96	96	29.5	0	109	18.6	0	103	21.2	0	101	24.2	0
2725	CROPLAN	CF398	6	F					87	21.7	0	103	90	26.3	0	95	18.4	0	85	19.6	0	79	22.3	0
2725	DEKALB	DKC39-55RIB	6	L	103	22.1	1	100	104	23.3	0	100	102	28.0	0	111	18.8	1	98	21.7	0	108	24.5	0
2725	DEKALB	DKC40-99RIB	32	L					101	23.4	1	98	103	29.9	0	93	18.8	3	100	20.4	0	105	24.3	0
2725	DLF PICKSEED	PS 27067VT2P	6	L					99	22.3	0	100	97	27.9	0	96	18.6	2	104	19.4	0	100	23.3	0
2725	Maizex	MZ 3117DBR	6	F	103	22.5	0	98	101	23.7	0	99	100	30.1	0	95	18.5	0	102	20.8	0	107	25.5	0
2725	NK Brand	NK9023-5222	34	F					101	22.9	0	98	100	28.4	0	98	18.5	2	107	20.7	0	99	24.0	0
2725	Pioneer	P9233AM	23	L	100	22.6	1	101	101	24.0	1	99	98	28.9	1	106	19.2	3	99	21.0	0	101	26.8	0
2725	PRIDE Seeds	A5959G2 RIB	6	F					101	22.3	0	100	106	28.2	0	96	18.5	2	98	19.3	0	102	23.3	0
2750	De Dell	DL 3146	0	-	100	21.8	1	100	102	23.1	1	101	102	28.1	1	101	19.1	0	100	21.4	0	103	23.9	1
2750	DLF PICKSEED	PS 27168GSX	8	L					99	23.2	0	103	91	29.1	0	102	18.7	0	102	20.8	0	103	24.3	0
2750	DLF PICKSEED	PS 2745VT2P RIB	6	L	100	23.0	1	98	102	24.3	0	99	103	30.9	0	101	18.8	0	104	21.7	0	101	25.8	0
2750	Horizon	HZ 3245	27	F	101	22.7	1	100	106	23.5	0	101	108	28.6	0	106	19.2	0	103	22.2	0	105	24.1	1
2750	Maizex	E63G62 R	6	F	100	22.8	1	102	97	24.0	0	102	95	30.2	0	99	18.6	2	100	22.5	0	93	24.7	0
2750	Maizex	MZ 314	0	F					107	24.6	0	98	106	29.9	0	107	19.5	0	111	22.4	0	105	26.6	1
2750	NK Brand	NK9175-5222	34	F					108	23.1	0	102	113	27.7	1	104	19.3	0	102	21.0	0	113	24.5	0
2750	NK Brand	NK9227-5222A	34	F	100	23.4	1	96	105	24.7	1	98	106	29.7	0	108	19.2	3	104	24.7	0	103	25.1	1

Table 2: Elora, Port Hope, Winchester, Wingham 2021 Ontario Hybrid Corn Performance Trials - Conducted by the Ontario Corn Committee

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages ¹				2021 averages ²				Results of 2021 Performance Trials											
					average of 8 trials				average of 4 trials				ELORA			PORT HOPE T2			WINCHESTER T2			WINGHAM		
					Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2750	Pioneer	P9301AM	23	L	101	22.5	0	102	99	23.4	1	101	97	29.0	0	107	18.7	1	96	21.2	0	100	24.6	1
2750	PRIDE Seeds	A5925	0	F	100	22.2	1	100	96	23.2	1	100	97	28.1	0	103	19.0	3	89	21.6	1	98	24.2	1
2775	CROPLAN	398	6	F	99	21.6	0	101	97	22.1	0	103	90	26.0	0	95	18.4	0	111	21.1	0	95	23.0	0
2775	DLF PICKSEED	PS 27097GSX	8	L	97	22.4	0	98	96	23.8	0	98	98	30.8	0	95	18.7	2	97	21.0	0	95	24.8	0
2775	PRIDE Seeds	A6260G8 RIB	8	F					98	23.4	1	100	104	28.0	0	94	19.0	3	96	22.4	0	98	24.0	0
2800	CROPLAN	CP3490VT2P	6	F					103	24.9	0	99	110	32.1	0	94	18.8	2	105	23.0	0	100	25.9	0
2800	DEKALB	DKC42-05RIB	6	L	104	22.4	1	98	105	23.1	0	98	105	29.4	0	99	18.7	0	105	20.2	0	110	24.3	0
2800	Horizon	HX 3386	28	F					98	24.3	1	98	100	30.1	0	100	18.8	2	97	23.8	0	97	24.6	2
2800	Pioneer	P9404AM	23	L	98	22.6	1	100	97	23.7	0	99	99	28.1	0	95	19.2	1	99	22.3	0	96	25.2	0
2800	PRIDE Seeds	A6018G2 RIB	6	F	100	23.0	1	99	101	24.1	0	99	102	30.3	0	97	18.7	1	101	22.7	0	103	24.8	0
2825	CROPLAN	3575VT2P/RIB	6	F	99	23.5	0	100	101	24.4	0	101	106	31.4	0	90	18.8	0	106	21.7	0	98	25.7	0
2825	DLF PICKSEED	PS 28183TRE	32	L					104	23.9	0	98	104	30.2	0	105	19.2	0	106	20.5	0	102	25.8	0
2825	DLF PICKSEED	PS 2839VT2P RIB	6	L	97	23.2	0	97	101	23.8	0	97	109	30.5	0	89	18.5	0	100	21.9	0	102	24.4	0
2825	Horizon	HZ 3295	28	F	100	23.9	1	98	104	24.7	1	99	100	30.7	0	107	19.6	1	106	24.1	0	102	24.5	1
2825	Pioneer	P9535AM	23	L					107	23.9	1	100	109	29.9	0	102	18.7	0	113	21.1	1	104	25.7	4
2825	PRIDE Seeds	A6455G8 RIB	8	F	99	22.8	1	98	100	23.9	0	98	94	29.9	0	105	18.5	0	104	21.8	0	99	25.3	1
2850	DEKALB	DKC44-80RIB	6	L	107	22.8	1	98	108	23.7	1	98	107	29.8	0	104	18.6	3	108	21.3	0	113	25.0	1
2850	NK Brand	NK9535 3220	27	F	105	24.4	0	101	109	24.9	0	103	109	31.4	0	107	19.0	0	102	24.2	0	117	25.2	0
2850	Pioneer	P9608AM	23	L	102	23.5	1	102	101	24.0	0	102	99	29.4	0	106	19.2	0	104	21.6	0	98	25.6	0
2850	PRIDE Seeds	A6572G2 RIB	6	F	101	23.0	1	98	102	24.1	0	98	103	30.2	0	94	18.6	1	103	21.2	0	105	26.4	0
2875	DEKALB	DKC45-65RIB	8	L	105	23.4	1	99	107	24.0	0	98	107	30.6	0	104	18.5	0	113	21.7	0	105	25.1	0
2875	DEKALB	DKC46-50RIB	8	L					105	25.2	0	101	104	30.0	0	110	18.9	2	101	24.6	0	106	27.3	0
2875	NK Brand	NK9653-5222	34	F	101	23.9	0	100	104	24.9	0	101	95	30.3	0	106	20.2	2	107	22.6	0	109	26.6	0
2900	CROPLAN	CP3720TRE	32	F												94	19.3	0						
2900	CROPLAN	CP3735VT2P/RIB	6	F	100	23.9	0	101	101	24.6	0	101	100	30.9	0	107	19.1	2	104	22.7	0	95	25.9	0
2900	DEKALB	DKC46-40RIB	6	L	107	22.9	1	99	107	23.8	1	99	111	30.1	0	100	18.7	3	103	21.7	0	112	24.8	0
2900	DLF PICKSEED	PS 2932VT2P RIB	6	L					98	25.6	0	101	98	32.8	0	103	18.9	0	98	23.9	0	94	26.6	0
2950	DEKALB	DKC48-70RIB	32	L					110	25.3	0	98	107	31.3	0	108	19.1	1	109	24.5	0	116	26.3	0
LSD (0.10) for Yield Index Points*					4				4				8			13			7			8		
Average all hybrids **					210	22.3	1	69	222	23.3	0	69	245	28.8	0	190	18.8	1	220	21.3	0	231	24.5	0

¹ Elora 2020-2021, Port Hope T2 2020-2021, Winchester T2 2020-2021, Wingham 2020-2 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.

Table 3E: Bainsville, Ottawa, Winchester

2021 Ontario Hybrid Corn Performance Trials - Conducted by the Ontario Corn Committee

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages ¹				2021 averages ²				Results of 2021 Performance Trials								
					average of 6 trials				average of 3 trials				BAINSVILLE			WILLIAMSBURG			WINCHESTER		
					Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2600	Maizex	MZ 269	0	F					86	19.2	1	101	95	19.9	1	92	18.1	3	74	19.5	0
2600	Pioneer	P8820Q	36	L	91		0	100	87	19.9	0	100	87	21.3	0	90	17.9	0	85	20.4	0
2650	Brevant	B90J12AM	23	L	99	19.3	0	101	100	19.3	1	100	95	20.2	1	101	18.7	1	102	19.1	0
2650	Brevant	B91T25AM	23	L	107	19.5	0	100	108	19.5	0	101	107	20.4	0	107	18.2	0	111	19.8	0
2650	CROPLAN	2790VT2P/RIB	6	F					91	19.0	1	102	85	19.8	1	95	17.6	0	91	19.4	1
2650	Pioneer	P9188AM	23	L	94	18.8	3	102	91	19.4	6	102	94	20.5	0	83	18.5	17	95	19.1	0
2675	CROPLAN	CP2851VT2P/RIB	6	F	94	18.2	1	102	87	19.3	0	100	81	19.9	0	94	18.0	0	87	20.0	0
2700	CROPLAN	2965VT2P/RIB	6	F	94	18.6	1	102	88	19.4	1	101	86	20.3	1	85	18.3	1	92	19.7	0
2700	CROPLAN	CP3166VT2P	6	F					96	19.5	1	99	88	20.4	0	102	18.5	3	97	19.5	0
2725	Brevant	B92R26AM	23	L	102	19.0	0	98	103	19.4	0	98	108	20.5	0	96	17.8	0	103	19.8	0
2725	CROPLAN	CF398	6	F					85	18.5	0	101	88	20.0	0	80	17.2	0	87	18.3	0
2725	Maizex	MZ 3117DBR	6	F	101	18.1	1	100	98	18.7	1	99	92	20.2	0	96	17.2	3	105	18.8	0
2725	NK Brand	NK9023-5222	34	F					102	19.2	0	98	100	20.0	0	105	17.7	0	100	19.8	0
2725	Pioneer	P9233AM	23	L	102	19.5	0	102	98	19.7	0	102	100	20.5	0	96	18.1	0	98	20.4	0
2750	Horizon	HZ 3245	27	F	97	19.6	1	102	94	20.2	0	102	99	21.5	1	91	18.8	0	92	20.3	0
2750	Maizex	E63G62 R	6	F	96	19.4	1	103	97	19.8	0	102	94	20.8	0	97	18.0	0	99	20.7	0
2750	Maizex	MZ 3120SMX	8	F					93	20.1	0	102	91	20.3	0	96	18.5	0	93	21.4	0
2750	Maizex	MZ 314	0	F					101	20.8	0	100	104	22.0	0	105	19.5	0	94	20.9	0
2750	NK Brand	NK9175-5222	34	F					102	20.1	0	102	105	21.5	0	110	18.8	0	93	19.9	0
2750	NK Brand	NK9227-5222A	34	F	97	20.2	1	98	99	21.0	0	100	104	22.4	0	108	19.5	0	86	21.0	0
2750	Pioneer	P9301AM	23	L	99	19.5	1	102	97	19.5	0	104	93	20.6	0	103	18.3	0	94	19.6	0
2775	Maizex	MZ 3397SMX	8	F	99	19.3	0	100	102	20.2	0	100	97	21.4	0	103	18.9	0	107	20.2	0
2800	CROPLAN	CP3490VT2P	6	F					99	20.8	1	98	98	21.5	1	98	18.9	1	102	22.0	0
2800	Horizon	HX 3386	28	F					105	19.9	1	101	109	20.8	1	113	18.6	1	93	20.2	0
2800	Maizex	E65G82 R	6	F	102	19.3	0	100	98	19.6	0	99	95	20.8	0	102	18.0	0	97	20.0	0
2800	Maizex	MZ 342X	0	F					96	20.2	0	100	96	21.3	0	89	18.8	1	102	20.4	0
2800	Pioneer	P9404AM	23	L	97	20.0	1	100	96	20.5	1	101	98	21.6	1	90	19.2	1	99	20.6	0
2825	Brevant	B95R46AM	23	L	102	20.1	0	97	104	20.1	0	99	108	21.7	0	100	18.6	1	105	20.1	0
2825	CROPLAN	3575VT2P/RIB	6	F	100	18.7	0	102	98	19.6	0	101	95	20.5	0	99	17.7	0	100	20.5	0

Table 3E: Bainsville, Ottawa, Winchester

2021 Ontario Hybrid Corn Performance Trials - Conducted by the Ontario Corn Committee

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages ¹				2021 averages ²				Results of 2021 Performance Trials								
					average of 6 trials				average of 3 trials				BAINSVILLE			WILLIAMSBURG			WINCHESTER		
					Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2825	Horizon	HZ 3295	28	F	101	20.4	1	99	105	20.7	1	100	105	22.5	1	114	19.1	0	97	20.5	1
2825	Horizon	HZ 3582	27	F					103	21.0	0	98	102	22.1	0	104	19.3	0	103	21.5	0
2825	Pioneer	P9535AM	23	L					101	20.0	0	101	98	21.2	0	105	18.2	0	101	20.7	0
2850	Brevant	B96H83AM	23	L					102	20.4	0	101	108	21.7	0	102	18.8	0	97	20.7	0
2850	Brevant	B96R56AM	23	L					102	20.2	0	103	103	21.2	0	103	18.6	0	101	20.8	0
2850	DEKALB	DKC44-80RIB	6	L	105	18.9	0	100	101	19.9	0	100	101	20.2	0	99	18.2	1	103	21.3	0
2850	Maizex	MZ 3505DBR	6	F					105	19.7	0	99	104	21.3	0	106	18.4	0	104	19.3	0
2850	NK Brand	NK9535 3220	27	F	108	19.9	0	102	104	20.3	0	102	105	21.5	0	108	18.9	0	100	20.6	0
2850	Pioneer	P9608AM	23	L	99	20.7	1	102	99	21.0	0	103	99	21.8	0	99	18.9	1	98	22.3	0
2850	PRIDE Seeds	A6572G2 RIB	6	F	101	19.3	0	101	98	20.4	0	100	101	21.1	0	92	18.5	0	101	21.7	0
2875	DEKALB	DKC45-65RIB	8	L	99	19.3	1	100	101	20.2	1	99	91	20.8	3	108	18.5	0	103	21.3	0
2875	DEKALB	DKC46-50RIB	8	L					101	20.1	0	102	101	20.7	0	103	18.6	0	99	21.0	0
2875	Horizon	HX 3602	28	F					100	21.3	0	100	99	21.5	1	109	19.0	0	94	23.5	0
2875	Horizon	HZ 3676	0	F					93	21.8	3	103	98	22.3	3	83	19.8	3	96	23.1	3
2875	Maizex	MZ 369	0	F					94	20.1	1	97	97	20.7	0	102	18.5	0	83	21.0	2
2875	Maizex	MZ 3690DBR	6	F	99	19.3	0	98	99	20.1	0	98	99	21.3	0	99	18.9	0	98	20.2	0
2875	NK Brand	NK9653-5222	34	F	97	20.3	0	101	100	21.2	0	103	105	22.0	0	101	19.4	0	94	22.2	0
2875	PRIDE Seeds	A6585G8 RIB	8	F	98	19.3	0	100	101	20.5	0	100	95	21.4	0	104	18.7	0	105	21.3	0
2900	CROPLAN	CP3720TRE	32	F					99	19.8	0	102	106	21.1	0	88	18.2	1	103	20.0	0
2900	CROPLAN	CP3735VT2P/RIB	6	F	95	19.1	0	102	91	19.8	0	101	93	20.5	0	88	17.9	0	92	21.0	0
2900	CROPLAN	CP3980VT2P	6	F					109	20.5	1	99	111	21.2	1	102	18.4	1	115	22.0	0
2900	DEKALB	DKC46-40RIB	6	L	105	19.1	0	101	103	19.3	0	100	99	20.4	0	110	17.8	0	101	19.7	0
2900	DLF PICKSEED	PS 2932VT2P RIB	6	L	96	19.4	0	101	95	20.2	0	101	97	21.3	0	93	18.8	0	95	20.4	0
2900	PRIDE Seeds	A6694G2 RIB	6	F	101	19.2	1	101	99	20.0	1	101	101	20.7	1	93	18.4	1	103	20.8	0
2925	Brevant	B98D25AM	23	L	98	20.8	0	100	98	21.0	0	102	95	21.4	0	95	19.7	0	105	21.9	0
2925	DLF PICKSEED	PS 29185GSX	8	L					110	20.6	0	98	108	21.5	0	118	19.2	0	105	21.0	0
2925	Maizex	E67H92 R	6	F	100	20.1	0	99	97	20.3	0	99	102	20.5	0	93	18.7	1	96	21.6	0
2925	Maizex	E67H95	0	F	102	19.5	0	99	102	19.7	0	100	95	20.5	0	98	18.2	0	111	20.5	1
2925	Maizex	MZ 3818DBR	6	F	105	19.6	0	100	99	20.1	0	99	101	21.0	0	96	18.8	0	100	20.6	0
2925	Maizex	MZ 3877SMX	8	F	104	20.2	1	99	107	21.5	1	99	107	22.7	0	101	19.0	4	114	22.8	0
2925	Pioneer	P9823Q	36	L					106	20.6	0	98	112	22.0	0	105	19.3	0	100	20.4	0
2950	DEKALB	DKC48-56RIB	8	L	103	20.0	0	99	105	20.9	0	98	109	21.7	1	95	19.0	0	110	22.1	0

Table 3E: Bainsville, Ottawa, Winchester

2021 Ontario Hybrid Corn Performance Trials - Conducted by the Ontario Corn Committee

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages ¹				2021 averages ²				Results of 2021 Performance Trials								
					average of 6 trials				average of 3 trials				BAINSVILLE			WILLIAMSBURG			WINCHESTER		
					Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2950	DEKALB	DKC48-70RIB	32	L					104	20.4	0	98	102	20.9	0	108	18.9	0	102	21.3	0
2950	Maizex	MZ 3964DBR	6	F					103	20.0	0	99	100	20.9	1	106	18.4	0	103	20.6	0
2950	Maizex	MZ 397	0	F					102	20.1	0	100	107	20.6	0	99	18.3	0	99	21.3	1
2950	Pioneer	P9946AML	23	L	99		0	101	98	21.0	0	102	98	21.7	0	102	19.9	1	95	21.4	0
2950	Pioneer	P9998AM	23	L	101	22.2	0	98	100	22.5	0	100	105	23.6	0	94	20.1	0	102	23.9	0
2950	PRIDE Seeds	A6888G2 RIB	6	F	102	19.4	0	100	99	20.0	0	100	94	21.6	0	99	18.3	1	104	20.1	0
2975	DEKALB	DKC49-09RIB	6	L	97	19.2	0	100	100	19.7	0	100	100	21.3	0	94	18.2	0	106	19.5	0
2975	DLF PICKSEED	PS 29191VT2P	6	L					104	20.3	0	99	105	21.3	1	105	18.9	0	100	20.7	0
2975	DLF PICKSEED	PS 2955GSX RIB	8	L	98	19.6	0	100	104	20.7	0	101	99	21.7	0	106	19.1	0	106	21.4	0
2975	Maizex	MZ 4280DBR	6	F	103	20.8	1	99	103	21.0	1	99	100	22.4	0	102	18.9	1	108	21.7	0
3000	Brevant	B00R96AM	23	L	105	21.8	0	98	105	21.6	0	100	108	22.3	0	103	19.8	0	104	22.7	0
3000	CROPLAN	4188VT2P/RIB	6	F	103	20.1	0	98	103	20.8	0	97	102	21.4	0	97	19.2	0	110	21.7	0
3000	CROPLAN	CF598	8	F									101	21.7	0	96	18.6	0			
3000	NK Brand	NK9991-5122	33	F	98	21.5	1	98	100	22.4	1	99	106	23.5	0	99	20.1	1	95	23.7	0
3000	Pioneer	P0035AM	23	L					116	21.7	0	97	115	23.3	0	123	19.4	0	111	22.4	0
3000	Pioneer	P0075AM	23	L	108	22.4	1	96	108	22.2	0	98	104	23.4	0	108	20.0	1	112	23.3	0
3000	PRIDE Seeds	XP21098G4	32	P					106	20.8	0	98	101	22.1	0	110	18.2	0	108	22.0	0
3000	Saatbau	SL48397	0	C					98	20.8	1	100	101	21.3	1	104	18.6	1	90	22.4	0
3000	Saatbau	SL48402	0	C					97	19.5	1	99	94	20.7	2	95	18.3	2	101	19.5	1
3050	DEKALB	DKC50-30RIB	8	L					105	21.1	0	99	103	22.0	0	97	18.9	1	115	22.3	0
3050	DEKALB	DKC51-98RIB	8	L	99	19.7	0	98	99	20.0	0	99	98	21.2	0	94	18.6	0	105	20.2	0
3050	Pioneer	P0157AMXT	24	L	99		0	100	107	22.0	0	100	108	23.3	0	99	20.6	0	111	22.0	0
3100	DEKALB	DKC52-52RIB	8	L					110	22.0	1	98	111	22.6	0	116	19.0	3	102	24.3	0
LSD (0.10) for Yield Index Points*					4				6				8			13			7		
Average all hybrids **					200	19.7	0	70	210	20.3	0	70	206	21.3	0	200	18.7	1	223	20.9	0

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.

Table 3W: Blyth, Port Hope, Waterloo

2021 Ontario Hybrid Corn Performance Trials - Conducted by the Ontario Corn Committee

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages ¹				2021 averages ²				Results of 2021 Performance Trials								
					average of 6 trials				average of 3 trials				BLYTH			PORT HOPE			WATERLOO		
					Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2650	Brevant	B90J12AM	23	L	94	22.2	2	101	91	22.3	2	100	91	23.4	4	89	18.6	3	91	25.0	0
2650	Brevant	B91T25AM	23	L	98	22.2	2	101	99	22.3	2	100	101	23.0	3	99	18.4	2	96	25.6	0
2650	CROPLAN	2790VT2P/RIB	6	F					87	21.3	0	102	81	21.2	0	92	18.5	1	89	24.3	0
2650	Pioneer	P9188AM	23	L	93	22.1	2	103	92	22.7	1	102	89	22.9	0	100	19.1	2	88	26.1	0
2675	CROPLAN	CP2851VT2P/RIB	6	F					90	22.2	1	99	89	21.8	0	86	18.2	2	94	26.6	0
2700	CROPLAN	2965VT2P/RIB	6	F					89	21.9	0	102	84	22.4	0	95	18.6	0	89	24.6	0
2700	CROPLAN	CP3166VT2P	6	F					96	23.3	0	99	95	23.6	1	100	18.9	0	93	27.4	0
2725	Brevant	B92R26AM	23	L	97	22.1	0	99	96	22.7	0	98	97	23.0	0	101	18.4	0	91	26.8	0
2725	CROPLAN	CF398	6	F					82	21.8	1	103	78	21.8	0	86	18.4	2	83	25.2	0
2725	Maizex	MZ 3117DBR	6	F	102	22.8	1	98	99	22.9	0	98	92	23.0	0	107	18.4	0	100	27.2	0
2725	NK Brand	NK9023-5222	34	F					96	23.0	1	99	95	24.2	1	100	18.4	1	93	26.5	0
2725	Pioneer	P9233AM	23	L	97	22.8	3	102	95	23.2	6	102	93	23.8	0	102	18.8	18	90	27.0	0
2750	Horizon	HZ 3245	27	F	98	23.8	0	102	98	24.3	0	103	99	24.9	0	105	18.9	1	91	29.0	0
2750	Maizex	E63G62 R	6	F	98	23.5	0	102	96	23.7	0	101	96	24.6	0	101	18.7	1	92	27.8	0
2750	Maizex	MZ 3120SMX	8	F					101	23.9	0	102	97	24.4	0	106	19.0	1	101	28.4	0
2750	NK Brand	NK9175-5222	34	F					97	23.4	7	99	99	24.2	0	88	19.0	20	102	26.9	0
2750	NK Brand	NK9227-5222A	34	F	97	23.7	1	98	100	23.6	1	99	103	24.3	1	88	19.0	2	105	27.7	0
2750	Pioneer	P9301AM	23	L	96	22.7	1	104	94	22.6	0	102	96	23.9	1	93	18.4	0	94	25.5	0
2775	CROPLAN	398	6	F					85	22.2	1	103	81	22.5	1	86	18.4	2	89	25.5	0
2775	Maizex	MZ 3397SMX	8	F	96	23.1	1	99	95	23.2	1	99	93	22.9	1	86	18.7	1	102	28.0	0
2800	CROPLAN	CP3490VT2P	6	F					97	24.2	0	99	94	25.1	0	96	18.6	0	99	28.8	0
2800	Horizon	HX 3386	28	F					96	23.6	3	101	100	24.1	1	90	18.9	9	95	27.8	0
2800	Pioneer	P9404AM	23	L	94	23.6	0	101	94	24.3	0	101	96	24.5	0	93	19.3	0	91	29.2	0
2825	Brevant	B95R46AM	23	L	97	24.2	0	99	96	24.4	0	99	98	24.9	0	94	18.8	1	95	29.6	0
2825	CROPLAN	3575VT2P/RIB	6	F	99	24.0	1	101	97	24.1	0	101	97	25.6	0	95	18.6	1	98	28.0	0
2825	Horizon	HZ 3295	28	F	96	23.8	1	99	97	23.6	1	99	101	24.1	1	89	19.2	2	98	27.6	0
2825	Horizon	HZ 3582	27	F					104	24.1	0	100	103	25.2	1	114	19.6	0	98	27.4	0
2825	Pioneer	P9535AM	23	L					101	24.2	0	101	102	24.8	1	100	19.0	0	101	28.7	0
2850	Brevant	B96H83AM	23	L					104	23.7	0	101	103	24.1	0	110	19.4	1	101	27.5	0
2850	Brevant	B96R56AM	23	L					96	23.6	0	102	95	23.4	1	97	18.6	0	94	28.8	0
2850	DEKALB	DKC44-80RIB	6	L	102	23.4	2	100	101	23.4	1	101	106	23.7	3	97	18.5	0	98	28.0	0
2850	Maizex	MZ 3505DBR	6	F					108	23.5	0	98	105	24.4	0	108	18.2	0	110	27.7	0
2850	NK Brand	NK9535 3220	27	F	103	23.7	1	103	104	23.7	1	103	104	25.2	2	99	18.3	3	108	27.5	0
2850	Pioneer	P9608AM	23	L	97	24.4	0	102	96	24.2	0	102	92	24.9	0	106	19.0	0	93	28.9	0
2850	PRIDE Seeds	A6572G2 RIB	6	F	96	24.0	1	99	93	24.3	1	98	93	24.9	0	92	18.5	2	94	29.5	0

Table 3W: Blyth, Port Hope, Waterloo

2021 Ontario Hybrid Corn Performance Trials - Conducted by the Ontario Corn Committee

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages ¹				2021 averages ²				Results of 2021 Performance Trials								
					average of 6 trials				average of 3 trials				BLYTH			PORT HOPE			WATERLOO		
					Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2875	DEKALB	DKC45-65RIB	8	L	101	23.9	0	100	98	23.9	0	100	97	24.4	0	99	18.8	0	99	28.6	0
2875	DEKALB	DKC46-50RIB	8	L					97	24.5	1	100	103	25.7	0	90	18.9	2	97	28.9	0
2875	Horizon	HX 3602	28	F					103	24.2	0	98	104	25.7	0	101	19.2	0	102	27.5	0
2875	Maizex	MZ 3690DBR	6	F	99	23.6	1	98	98	23.7	1	98	93	24.6	0	113	18.9	2	92	27.6	0
2875	NK Brand	NK9653-5222	34	F	99	24.5	0	102	99	24.0	1	102	98	25.6	0	95	19.5	2	104	26.9	0
2875	PRIDE Seeds	A6585G8 RIB	8	F	96	24.6	1	98	98	24.4	1	97	98	24.6	2	100	18.7	1	97	29.9	0
2900	CROPLAN	CP3720TRE	32	F												104	18.6	0			
2900	CROPLAN	CP3735VT2P/RIB	6	F	95	24.4	2	100	95	23.7	2	101	90	24.2	0	102	18.7	6	94	28.3	0
2900	CROPLAN	CP3980VT2P	6	F					107	24.1	1	100	111	24.5	1	104	18.9	2	106	28.8	0
2900	DEKALB	DKC46-40RIB	6	L	107	24.0	1	100	109	23.8	0	101	107	25.1	0	113	18.7	0	106	27.6	0
2900	DLF PICKSEED	PS 2932VT2P RIB	6	L	94	24.4	1	101	97	24.2	1	100	92	25.1	1	98	18.4	1	101	29.1	0
2900	Horizon	HZ 3787	27	F	97	24.7	2	98	96	24.4	3	98	97	26.2	6	88	19.0	3	100	28.2	0
2900	PRIDE Seeds	A6694G2 RIB	6	F	104	23.8	1	100	104	23.6	0	101	104	25.1	0	102	19.0	0	104	26.7	0
2925	Brevant	B98D25AM	23	L	99	24.7	0	101	99	24.2	0	102	102	24.6	0	97	19.4	0	98	28.7	0
2925	DLF PICKSEED	PS 29185GSX	8	L					106	24.9	0	97	106	26.4	0	106	19.2	0	105	29.2	0
2925	Maizex	E67H92 R	6	F	100	25.1	0	100	98	24.5	0	100	93	25.1	0	102	19.1	0	101	29.3	0
2925	Maizex	MZ 3818DBR	6	F	102	24.4	0	99	104	24.2	1	99	107	24.9	2	101	18.7	0	104	29.0	0
2925	Maizex	MZ 3877SMX	8	F	100	24.4	1	100	100	24.1	1	100	104	25.1	0	96	19.3	3	100	27.9	0
2925	Pioneer	P9823Q	36	L					109	24.7	1	98	106	25.4	0	113	19.7	2	110	29.1	0
2950	DEKALB	DKC48-56RIB	8	L	101	23.9	1	99	102	23.8	1	99	102	24.1	0	101	18.9	1	103	28.4	0
2950	DEKALB	DKC48-70RIB	32	L					104	24.6	1	100	109	24.6	1	94	19.1	2	107	30.2	0
2950	Maizex	EX18-30SMX	6	F						24.8	0	98		26.5	1	111	19.0	0	112	29.0	0
2950	Pioneer	P9946AML	23	L	100	24.7	1	102	99	24.6	0	102	105	25.7	0	90	19.0	0	99	29.1	0
2950	Pioneer	P9998AM	23	L	102	25.4	0	100	100	24.6	1	100	97	25.2	0	101	19.5	2	102	29.2	0
2950	PRIDE Seeds	A6888G2 RIB	6	F	101	24.5	1	100	100	24.1	0	100	102	24.9	1	91	18.9	0	104	28.4	0
2975	DEKALB	DKC49-09RIB	6	L	101	25.0	0	100	103	24.8	0	100	101	25.9	1	99	18.7	0	106	29.8	0
2975	DLF PICKSEED	PS 29191VT2P	6	L					110	24.4	2	100	108	25.2	3	103	19.1	3	117	29.0	0
2975	DLF PICKSEED	PS 2955GSX RIB	8	L	100	24.8	1	100	104	24.8	1	101	111	25.8	0	99	18.8	2	100	29.8	0
2975	Horizon	HX 3958	34	F					103	26.0	0	102	103	27.1	0	100	19.5	0	104	31.4	0
2975	Maizex	MZ 4040DBR	6	F	108	25.9	2	99	107	25.2	2	99	110	27.3	7	96	19.4	0	112	29.0	0

Table 3W: Blyth, Port Hope, Waterloo

2021 Ontario Hybrid Corn Performance Trials - Conducted by the Ontario Corn Committee

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages ¹				2021 averages ²				Results of 2021 Performance Trials								
					average of 6 trials				average of 3 trials				BLYTH			PORT HOPE			WATERLOO		
					Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2975	Maizex	MZ 4280DBR	6	F	104	25.2	2	100	104	25.2	1	99	101	26.3	3	102	19.2	1	107	30.1	0
3000	Brevant	B00R96AM	23	L	104	26.0	0	99	103	25.6	1	99	103	27.2	0	109	19.4	2	98	30.1	0
3000	CROPLAN	4188VT2P/RIB	6	F	104	26.3	0	99	107	25.4	1	100	108	26.2	0	114	18.8	2	101	31.1	0
3000	CROPLAN	CF598	8	F	103	24.3	1	101	105	24.6	1	101	101	25.0	0	108	19.1	1	107	29.6	0
3000	NK Brand	NK9991-5122	33	F	104	25.0	0	99	105	24.5	0	99	110	25.4	0	102	19.0	1	101	29.1	0
3000	Pioneer	P0035AM	23	L					106	24.8	0	98	108	26.0	0	110	19.2	0	100	29.2	0
3000	Pioneer	P0075AM	23	L	106	26.9	1	98	109	25.8	2	98	105	27.2	1	113	19.5	5	110	30.6	0
3000	PRIDE Seeds	XP21098G4	32	P					109	24.4	0	99	109	24.6	0	106	19.0	0	111	29.6	0
3050	CROPLAN	CP4265VT2P/RIB	6	F	103	25.9	0	99	103	25.0	1	99	105	25.5	0	100	18.7	1	102	30.7	0
3050	DEKALB	DKC50-30RIB	8	L					108	25.0	0	101	113	25.3	0	101	19.4	1	108	30.5	0
3050	DEKALB	DKC51-98RIB	8	L	104	25.3	1	98	104	25.4	1	97	104	26.5	0	108	19.1	3	101	30.5	0
3050	Pioneer	P0157AMXT	24	L	101	25.8	1	101	104	25.0	1	102	108	25.3	0	110	19.7	3	95	30.0	0
3100	DEKALB	DKC52-52RIB	8	L					110	25.9	0	100	107	27.4	0	110	19.4	0	114	31.0	0
3100	Maizex	MZ 4158DBR	6	F	110	26.1	2	97	113	26.1	1	98	117	26.9	0	106	19.5	2	114	31.8	0
LSD (0.10) for Yield Index Points*					4				6				8			16			7		
Average all hybrids **					225	24.3	1	69	227	24.0	1	69	245	24.8	1	185	18.9	2	252	28.4	0

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.

Table 4: Exeter, Ilderton, Woodstock, Belmont

2021 Ontario Hybrid Corn Performance Trials - Conducted by the Ontario Corn Committee

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages ¹				2021 averages ²				Results of 2021 Performance Trials											
					average of 8 trials				average of 4 trials				BELMONT			EXETER			ILDERTON			WOODSTOCK		
					Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
2825	Brevant	B95R46AM	23	L	94	21.4	0	100	90	19.3	0	101	84	17.9	0	95	20.1	0	85	19.3	0	97	19.8	0
2850	Brevant	B96H83AM	23	L					96	20.6	1	103	94	18.9	0	97	21.5	1	93	20.9	0	102	21.1	2
2850	Brevant	B96R56AM	23	L					100	20.2	0	105	101	19.0	1	100	20.9	1	103	20.9	0	95	20.0	0
2900	CROPLAN	CP3735VT2P/RIB	6	F					93	19.8	0	104	95	17.7	0	97	21.8	0	85	19.4	0	94	20.2	0
2900	CROPLAN	CP3980VT2P	6	F					105	20.0	0	100	109	18.0	0	104	22.1	1	99	18.6	0	106	21.1	0
2925	Brevant	B98D25AM	23	L	95	22.6	0	102	92	21.1	0	102	91	19.5	0	91	22.3	0	98	20.6	0	88	21.8	0
2925	Maizex	MZ 3818DBR	6	F	100	22.9	0	101	102	20.4	0	101	88	18.7	0	103	21.8	0	108	20.7	0	108	20.2	0
2925	Maizex	MZ 3877SMX	8	F	96	22.7	0	101	94	20.7	0	101	92	19.0	0	93	21.9	0	87	20.6	0	105	21.4	0
2925	Pioneer	P9823Q	36	L					102	20.7	1	99	96	19.2	3	102	21.7	1	109	20.6	0	101	21.1	1
2950	Maizex	EX18-30SMX	6	F						21.8	0	98		20.1	0		22.8	0		21.4	0	107	22.8	0
2950	Maizex	MZ 397	0	F					105	20.1	0	100	111	18.3	0	101	21.7	0	101	19.9	0	107	20.4	1
2950	Pioneer	P9946AML	23	L	97	22.8	0	103	99	20.7	0	103	96	19.4	0	98	22.1	0	108	20.6	0	94	20.8	2
2950	Pioneer	P9998AM	23	L	99	23.5	0	101	93	21.0	0	101	91	19.2	0	89	22.1	0	93	21.4	0	97	21.3	0
2950	PRIDE Seeds	A6757G8 RIB	8	F					99	20.8	0	100	100	18.6	0	93	22.9	0	100	20.6	0	105	21.2	0
2975	DEKALB	DKC49-09RIB	6	L	102	22.5	0	102	100	20.2	0	102	96	18.7	0	103	22.1	1	101	18.4	0	100	21.4	0
2975	DLF PICKSEED	PS 29191VT2P	6	L					103	20.8	0	99	105	19.2	0	105	22.7	0	101	20.5	0	102	20.8	0
2975	DLF PICKSEED	PS 2955GSX RIB	8	L	96	22.7	0	102	96	21.1	0	100	95	19.1	0	100	23.0	0	94	21.4	0	93	20.9	0
2975	Maizex	MZ 4040DBR	6	F	103	24.4	0	99	102	21.3	0	100	103	19.1	0	96	22.9	0	111	21.1	0	100	22.0	1
2975	Maizex	MZ 4049SMX	8	F	104	23.8	0	100	104	22.0	1	100	105	20.3	4	104	23.7	0	110	21.8	0	98	22.2	0
2975	Maizex	MZ 4280DBR	6	F					104	21.3	1	100	105	19.8	0	105	22.4	3	103	21.1	0	103	21.9	1
3000	Brevant	B00R96AM	23	L	101	23.5	0	100	100	20.7	0	100	101	19.2	0	100	21.6	0	94	21.0	0	105	21.1	0
3000	CROPLAN	4188VT2P/RIB	6	F	101	23.9	0	99	100	20.9	0	99	99	18.8	0	104	22.3	0	103	21.3	0	96	21.4	0
3000	Maizex	MZ 4151TRE	32	F					94	20.4	1	99	93	18.8	1	98	21.9	1	93	20.2	0	93	20.5	0
3000	NK Brand	NK9991-5122	33	F	101	23.5	0	101	98	21.4	0	101	100	19.4	0	101	23.4	0	93	20.5	0	98	22.4	0
3000	Pioneer	P0035AM	23	L					103	21.0	1	99	99	19.3	0	105	21.7	1	105	20.5	0	105	22.7	2
3000	Pioneer	P0075AM	23	L	103	23.8	0	99	104	21.2	0	100	103	19.6	0	103	22.7	0	98	21.2	0	111	21.2	0
3000	PRIDE Seeds	XP21098G4	32	P					100	20.4	0	99	103	19.2	0	102	22.1	1	97	19.3	0	97	20.9	0
3025	Horizon	HZ 4169	27	F					96	21.3	1	101	100	19.4	0	89	23.0	3	102	20.5	1	92	22.3	0
3050	CROPLAN	CP4265VT2P/RIB	6	F					99	21.1	0	99	101	18.6	0	99	22.6	0	99	21.1	0	96	22.0	1
3050	DEKALB	DKC50-30RIB	8	L					98	20.6	0	100	98	19.2	0	99	22.0	0	105	20.0	0	92	21.0	0
3050	DEKALB	DKC51-98RIB	8	L	99	23.1	0	100	97	21.2	0	100	94	19.8	0	96	22.8	0	100	21.1	0	98	20.9	0
3050	Pioneer	P0157AMXT	24	L	97	23.4	0	102	95	21.1	0	102	87	18.5	1	93	22.2	0	95	21.8	0	106	22.0	0
3050	PRIDE Seeds	A7197G8 RIB	8	F					97	21.5	0	99	98	19.3	0	96	22.5	0	101	21.6	0	94	22.5	0

Table 4: Exeter, Ilderton, Woodstock, Belmont

2021 Ontario Hybrid Corn Performance Trials - Conducted by the Ontario Corn Committee

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages ¹				2021 averages ²				Results of 2021 Performance Trials											
					average of 8 trials				average of 4 trials				BELMONT			EXETER			ILDERTON			WOODSTOCK		
					Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
3075	NK Brand	NK0243-5122	33	F	105	24.5	1	97	107	21.9	1	97	114	20.2	1	107	22.6	1	99	21.3	0	108	23.3	2
3100	DEKALB	DKC52-52RIB	8	L					108	21.6	0	99	109	20.5	0	106	23.9	0	105	21.2	0	112	21.0	0
3100	Horizon	HZ 4314	33	F	103	25.3	2	97	99	22.6	5	96	101	20.9	0	99	24.4	14	101	21.7	1	96	23.4	3
3100	Maizex	MZ 4158DBR	6	F	104	23.5	0	99	107	21.5	0	99	104	19.3	0	102	23.1	0	110	21.1	0	111	22.3	0
3100	Maizex	MZ 4691DBR	6	F	97	24.1	0	102	94	21.3	0	102	95	18.6	0	89	23.3	0	95	21.4	0	99	22.0	0
3100	NK Brand	NK0314-5122	33	F					94	22.9	1	102	96	21.0	1	98	24.4	2	84	22.3	0	99	23.8	0
3100	NK Brand	NK0472-5222	34	F	97	24.9	0	101	100	22.5	0	101	102	20.7	0	98	24.4	0	98	21.4	0	103	23.7	0
3100	Pioneer	P0306AM	23	L	96	24.1	0	100	95	21.7	0	100	95	19.6	2	94	22.9	0	90	21.6	0	98	22.6	0
3100	PRIDE Seeds	A7286G7 E-Z Refuge	34	F					95	21.9	0	100	106	20.1	0	90	23.7	1	97	20.9	1	85	22.9	0
3125	Brevant	B04D72Q	36	L					106	22.0	0	99	101	20.1	0	111	23.1	0	113	21.7	0	101	23.1	2
3125	Brevant	B04S21AM	23	L	103	25.2	0	99	100	22.2	0	100	97	20.6	0	100	23.3	0	102	22.5	0	101	22.5	0
3125	DEKALB	DKC53-60RIB	32	L					102	20.8	0	99	99	19.6	1	107	21.9	0	100	19.6	0	101	21.9	0
3125	DEKALB	DKC53-87RIB	8	L					103	22.5	0	100	105	20.6	1	104	23.6	1	104	21.7	0	99	24.1	0
3125	Pioneer	P0404AM	23	L					99	22.2	0	99	99	20.1	0	96	22.9	0	99	22.3	0	100	23.4	0
3125	Pioneer	P0434AM	23	L					103	21.8	0	102	109	19.4	0	107	23.3	0	96	22.0	1	101	22.6	0
3125	Pioneer	P0487Q	36	L					107	21.7	1	98	107	20.0	3	110	22.6	0	103	22.1	0	106	22.2	0
3150	CROPLAN	CF674	8	F					98	22.7	0	99	103	20.2	0	90	24.7	1	99	21.6	0	99	24.3	0
3150	De Dell	DL 6590	0	-	101	25.5	0	95	102	22.8	0	95	105	21.1	0	109	23.8	0	96	22.8	0	99	23.5	0
3150	Maizex	MZ 4577SMX	8	F					102	23.0	0	99	99	21.9	0	102	24.3	0	102	22.8	0	105	22.9	0
3150	Pioneer	P0506AM	23	L	105	25.0	0	100	106	22.7	1	100	104	21.1	0	107	24.2	2	109	22.5	0	106	23.1	0
3175	CROPLAN	4676SS/RIB	8	F	100	25.3	1	99	101	22.8	1	99	103	20.5	0	105	24.5	5	110	21.9	0	87	24.4	0
3175	DEKALB	DKC54-77RIB	6	L					102	20.4	1	100	101	18.5	0	103	22.3	1	100	19.9	0	103	21.1	2
3200	Maizex	MZ 4608SMX	8	F					109	23.0	0	98	113	21.6	1	109	24.5	0	117	22.5	0	97	23.6	0
LSD (0.10) for Yield Index Points*					3				5				9			10			12			11		
Average all hybrids **					225	23.8	0	69	231	21.3	0	71	244	19.6	0	233	22.8	1	212	21.1	0	236	22.0	0

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.

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.

Table 5: Ridgetown, Tilbury, Dresden

2021 Ontario Hybrid Corn Performance Trials - Conducted by the Ontario Corn Committee

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages ¹				2021 averages ²				Results of 2021 Performance Trials								
					average of 5 trials				average of 3 trials				DRESDEN			RIDGETOWN			TILBURY		
					Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
3000	Brevant	B00R96AM	23	L	97	20.5	1	101	96	19.1	1	101	95	18.2	4	98	22.3	0	96	16.9	0
3000	CROPLAN	4188VT2P/RIB	6	F	96	20.2	0	99	95	18.4	0	99	90	17.2	0	98	21.2	0	96	16.8	0
3000	Maizex	MZ 4151TRE	32	F					96	18.0	0	98	91	16.7	0	100	20.5	0	95	16.8	0
3000	Pioneer	P0035AM	23	L					103	19.1	1	99	102	18.0	0	101	22.2	0	106	17.2	2
3000	Pioneer	P0075AM	23	L	95	20.4	1	100	92	19.2	0	100	89	18.7	0	100	21.8	0	85	17.1	1
3050	CROPLAN	CP4265VT2P/RIB	6	F	98	20.1	0	99	98	18.8	0	99	98	17.6	0	99	21.8	0	98	17.0	0
3050	Pioneer	P0157AMXT	24	L					96	19.1	1	102	96	18.3	0	96	21.5	0	95	17.3	1
3075	NK Brand	NK0243-5122	33	F	96	21.0	3	97	96	19.4	4	97	96	19.1	7	96	22.1	2	94	17.0	1
3100	Horizon	HZ 4314	33	F	102	22.0	0	97	106	20.1	1	97	111	19.4	1	99	23.9	0	108	17.1	1
3100	Maizex	MZ 4158DBR	6	F					100	18.9	0	99	102	17.5	0	100	22.2	0	98	17.1	0
3100	NK Brand	NK0314-5122	33	F					94	20.0	4	102	97	19.7	5	93	22.7	2	93	17.6	5
3100	NK Brand	NK0472-5222	34	F	98	21.5	0	102	101	19.9	0	101	108	19.2	1	95	23.4	0	99	17.0	0
3100	Pioneer	P0306AM	23	L	94	21.2	0	101	95	19.4	0	101	94	18.9	0	99	22.2	0	90	17.1	0
3125	Brevant	B04D72Q	36	L					102	19.6	1	99	97	18.5	0	106	23.2	0	102	17.2	2
3125	Brevant	B04S21AM	23	L	98	21.7	0	101	98	19.9	0	101	102	19.4	0	99	23.2	0	93	17.2	0
3125	DEKALB	DKC53-60RIB	32	L					99	18.7	0	99	102	17.7	0	97	21.5	0	100	16.9	0
3125	DEKALB	DKC53-87RIB	8	L	97	20.5	1	102	96	19.4	1	101	100	18.4	0	96	22.5	0	90	17.3	2
3125	Pioneer	P0404AM	23	L					99	19.6	0	100	94	19.3	0	100	22.1	0	102	17.3	0
3125	Pioneer	P0434AM	23	L					96	19.6	0	102	96	19.2	0	99	22.4	0	92	17.3	0
3125	Pioneer	P0487Q	36	L					102	19.3	0	100	103	18.6	0	106	22.2	0	98	17.2	0
3150	CROPLAN	CF674	8	F	95	20.6	0	101	96	19.4	0	100	101	18.3	0	95	22.8	0	93	17.1	0
3150	Maizex	MZ 4577SMX	8	F	101	20.8	0	101	99	19.7	1	100	95	18.0	1	98	23.7	0	103	17.4	0
3150	Pioneer	P0506AM	23	L					97	19.8	1	101	95	19.4	0	102	22.8	0	93	17.3	2
3175	CROPLAN	4676SS/RIB	8	F	98	21.1	1	101	96	19.6	2	101	94	18.1	2	99	23.4	1	95	17.3	1
3175	DEKALB	DKC54-45RIB	8	L	101	20.7	0	100	101	19.4	0	99	100	17.9	1	102	23.2	0	99	17.1	0
3175	DEKALB	DKC54-77RIB	6	L	97	20.0	1	100	95	18.8	1	100	94	17.5	1	95	21.8	0	96	16.9	1
3175	DEKALB	DKC56-15RIB	32	L					109	19.7	0	98	105	19.2	0	107	22.6	0	115	17.2	1
3175	PRIDE Seeds	A7373G2 RIB	6	F	103	21.5	0	101	102	19.6	0	101	99	19.1	0	102	22.6	0	105	17.1	0
3200	Brevant	B07M64AM	23	L	109	22.0	0	99	110	19.8	0	99	108	19.0	0	104	23.2	0	118	17.2	0
3200	CROPLAN	4791AS3111	20	F	100	22.4	0	99	99	20.3	0	99	99	19.7	0	91	23.9	0	108	17.3	0
3200	DEKALB	DKC56-65RIB	8	L	102	22.0	0	99	104	19.8	0	99	105	18.2	0	103	24.0	0	104	17.3	1
3200	Maizex	MZ 452	0	F	106	20.9	0	99	102	19.2	0	99	104	18.1	0	105	22.5	0	97	17.0	1
3200	Maizex	MZ 4608SMX	8	F					108	19.6	0	99	107	18.2	0	103	23.0	0	115	17.4	0

Table 5: Ridgetown, Tilbury, Dresden

2021 Ontario Hybrid Corn Performance Trials - Conducted by the Ontario Corn Committee

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2020-2021 averages ¹				2021 averages ²				Results of 2021 Performance Trials								
					average of 5 trials				average of 3 trials				DRESDEN			RIDGETOWN			TILBURY		
					Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Test Wt Index	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %	Yield Index	Moist %	Ldg %
3200	PRIDE Seeds	A7464G4 RIB	32	F					98	19.5	1	100	99	18.3	0	97	23.1	0	99	17.0	2
3225	Pioneer	P0720AM	23	L	102	22.9	0	99	102	20.2	0	99	103	19.6	0	104	23.7	0	99	17.5	1
3250	DEKALB	DKC57-16RIB	32	L					100	20.8	0	101	104	19.9	0	94	25.2	0	103	17.3	1
3250	DEKALB	DKC58-34RIB	8	A					102	19.5	0	102	106	18.3	0	99	23.2	0	101	17.1	0
3250	Maizex	MZ 4888SMX	8	F	100	21.3	1	103	99	19.6	0	102	97	18.6	0	100	22.8	0	102	17.3	0
3250	Pioneer	P0806AM	23	L					100	20.3	0	99	98	19.8	0	102	23.9	0	100	17.3	0
3250	PRIDE Seeds	A7790G8 RIB	8	F	100	22.0	0	102	96	20.5	0	102	96	19.7	0	100	24.2	0	93	17.5	0
3275	Maizex	MZ 4821DBR	6	F					109	20.5	0	100	111	19.6	0	104	24.8	0	112	17.2	0
3275	Maizex	MZ 5088DBR	6	F	101	22.2	0	100	101	19.9	0	100	100	18.4	1	103	24.1	0	101	17.1	0
3300	CROPLAN	4997VT2P/RIB	6	F	104	22.9	0	99	103	20.0	0	99	103	18.4	0	102	24.5	0	104	17.1	1
3300	PRIDE Seeds	A7818G2 RIB	6	F	103	21.3	0	98	105	18.9	0	98	104	17.4	0	104	22.5	0	106	16.8	0
3325	DEKALB	DKC60-87RIB	8	L					102	20.4	0	101	100	19.7	0	105	24.4	0	99	17.1	0
3400	PRIDE Seeds	A8303G8 RIB	8	F	105	22.9	0	100	106	21.7	1	101	106	20.9	0	102	26.1	0	110	18.1	2
LSD (0.10) for Yield Index Points*					4				5				7			5			12		
Average all hybrids **					247	21.3	0	71	247	19.6	0	72	245	18.7	1	260	23.0	0	234	17.2	1

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.