

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 <sup>1</sup>				2021 averages <sup>2</sup>				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

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					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

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					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

<sup>1</sup> Blyth 2020-2021, Port Hope 2020-2021, Waterloo 2020-2021

<sup>2</sup> 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.