

Table 1: Orangeville, Dundalk 2019 Ontario Hybrid Corn Performance Trials - Conducted by the Ontario Corn Committee

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.

CHU	Brand and/or Hybrid		GM Trait	Seed Trt	2018-2019 averages ¹				2019 averages ²				Results of 2019 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 %
2100	Country Farm	CF19101	6	F					95	29.9	1	106	99	30.0	2	91	29.9	0
2250	Brevant	B78R96AM	23	L					83	45.2	1	99	75	46.9	1	91	43.4	0
2250	Pioneer	P7861	23	L					98	31.1	0	102	97	33.1	0	100	29.1	0
2250	Saatbau	AMELLO	0	P					109	29.2	3	104	111	29.2	1	107	29.1	4
2275	De Dell	DX190	0	-					96	34.8	1	99	95	36.4	1	97	33.1	0
2275	Pioneer	P7940AM	23	L					92	30.4	0	102	95	31.6	0	89	29.3	0
2300	Maizex	E49K32 R	6	F					101	28.0	0	100	99	28.1	0	103	27.9	1
2300	Pioneer	P7955AM	23	L					100	28.4	0	105	104	29.5	0	97	27.2	0
2300	Saatbau	DELICAO	0	P					101	33.0	0	105	96	33.2	0	106	32.8	0
2400	Brevant	B82R66AM	23	L					98	29.6	0	97	103	31.1	1	93	28.0	0
2400	Country Farm	CF192	4	F	88	30.1	0	103	90	31.6	0	101	90	31.8	0	89	31.5	0
2400	De Dell	DL 1081	0	-	95	29.9	2	101	95	30.7	2	100	94	31.6	3	97	29.7	1
2400	Pioneer	P8234AM	23	L	91	28.4	0	98	97	29.1	0	97	100	30.7	1	93	27.4	0
2400	PRIDE Seeds	A4939G2 RIB	6	F					101	28.3	1	100	101	28.8	1	101	27.7	0
2425	Brevant	B83R36AM	23	L					106	30.8	3	99	103	32.4	4	109	29.2	2
2425	Pioneer	P8352	23	L					101	34.2	0	98	99	35.8	0	103	32.6	0
2450	Maizex	E52V92 R	6	F					98	30.1	0	103	100	31.5	0	97	28.7	0
2450	Pioneer	P8407AM	23	L					108	34.8	0	96	106	36.0	0	109	33.6	0
2475	Saatbau	ALBIREO	0	P					107	31.7	5	107	109	30.9	6	106	32.6	4
2500	Brevant	B83R15PW	29	C	98	30.7	6	97	97	32.0	0	96	100	33.2	0	95	30.7	0
2500	CROPLAN	2288VT2P/RIB	6	L	94	30.6	0	102	102	31.8	0	103	106	33.1	0	98	30.6	0
2500	DLF PICKSEED	PS 2563GSX RIB	8	L					98	36.8	0	99	96	39.1	0	100	34.6	0
2500	Pioneer	P8387AM	23	L	90	29.9	1	100	98	31.0	1	99	100	32.1	0	96	30.0	2
2550	De Dell	DL 2016	0	-					99	35.1	1	102	98	36.1	1	100	34.1	1
2550	DEKALB	DKC34-57RIB	6	A	101	32.0	3	100	101	34.0	2	99	96	35.9	1	105	32.0	3
2550	Horizon	HZ 2534	27	F					100	35.6	1	102	99	37.3	1	102	33.9	0
2550	Maizex	E53G52 R	6	F					102	31.5	2	102	100	32.2	2	104	30.7	2
2550	Maizex	MZ 248X	0	F	110	31.6	2	100	104	33.5	1	98	102	34.9	0	107	32.0	1
2550	Pioneer	P8542AM	23	L	103	30.1	3	100	99	31.4	1	100	101	33.1	0	98	29.8	1
2550	Pioneer	P8736AM	23	L					108	35.8	0	96	107	37.2	0	109	34.4	0
2575	DLF PICKSEED	PS 2552RR	4	L	100	32.5	2	100	103	34.4	1	99	106	34.3	0	100	34.6	1
2575	PRIDE Seeds	A5225G2 RIB	6	F	106	30.8	0	103	108	33.0	0	104	113	33.8	0	104	32.2	0
2600	Country Farm	CF255	6	F	101	31.2	0	102	102	31.3	0	103	101	32.2	0	102	30.4	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 %
2600	DEKALB	DKC35-88RIB	6	A	94	31.1	2	102	95	33.4	3	102	94	33.6	1	96	33.2	4
2600	DLF PICKSEED	PS 2635VT2P RIB	6	L					106	34.8	1	101	103	35.6	0	110	33.9	1
2600	Maizex	E55T32 R	6	F					94	35.9	1	98	91	36.6	1	97	35.2	1
2600	Maizex	MZ 2699DBR	6	F	109	32.5	0	100	110	34.8	1	99	112	36.2	1	108	33.4	0
2600	Pioneer	P8700AM	23	L	99	31.4	3	100	102	33.9	3	100	101	35.4	5	103	32.3	1
2625	CROPLAN	2587VT2P/RIB	6	L	96	32.5	1	100	102	35.1	1	100	97	36.5	2	107	33.8	1
2625	DLF PICKSEED	PS 2777RR	4	L	99	33.1	0	99	98	36.5	1	98	100	37.6	1	95	35.5	1
2625	NK Brand	NK8618 3011A	28	F	105	32.5	1	100	100	36.0	1	98	99	37.8	0	100	34.3	2
2625	Pioneer	P8989AM	23	L					105	35.2	0	98	109	37.7	1	101	32.7	0
2650	Brevant	B90J12AM	23	L					97	38.0	3	97	96	39.2	3	98	36.7	2
2650	DEKALB	DKC37-93RIB	6	A	103	33.2	1	101	104	35.9	2	101	106	35.8	4	102	35.9	1
2650	NK Brand	NK8519 3220	27	F	103	32.4	4	98	100	35.3	2	97	95	38.7	3	105	31.8	1
2650	Pioneer	P9188AM	23	L	100	32.8	1	99	103	34.2	0	99	105	36.4	0	101	31.9	0
2650	PRIDE Seeds	A5404G2 RIB	6	P					105	33.6	1	101	106	35.3	2	105	31.9	1
2675	CROPLAN	2845VT2P/RIB	6	L	101	33.2	1	100	103	35.8	0	100	101	37.3	0	105	34.3	0
2675	DEKALB	DKC38-55RIB	6	A	108	33.2	1	99	106	36.3	1	98	113	37.2	1	99	35.4	1
2675	DLF PICKSEED	PS 2790	0	L	99	34.3	1	100	94	38.2	2	98	92	39.2	1	96	37.2	2
2675	Maizex	MZ 2982DBR	6	F					108	35.8	2	100	110	37.1	1	106	34.5	3
2675	PRIDE Seeds	A5383G8 RIB	8	P					98	33.4	1	101	98	33.6	1	97	33.3	0
2700	CROPLAN	2965VT2P/RIB	6	L					100	38.5	0	101	96	39.6	0	104	37.5	0
2700	DLF PICKSEED	PS 2778VT2P RIB	6	L	105	33.3	2	99	100	36.9	2	98	102	37.3	4	98	36.5	0
2700	DLF PICKSEED	PS 2793GSX RIB	8	L					94	38.8	0	96	95	39.9	0	93	37.6	0
2725	CROPLAN	3146SS/RIB	8	A	98	34.0	0	100	92	37.3	0	99	92	39.5	0	93	35.0	0
2750	DEKALB	DKC41-99RIB	6	L	102	35.9	1	99	90	41.0	0	97	92	41.7	0	89	40.3	0
2750	DEKALB	DKC42-05RIB	6	L	102	35.5	2	99	95	38.8	1	99	93	39.5	0	96	38.0	2
LSD (0.10) for Yield Index Points*					6				7				8			11		
Average all hybrids **					206	32.1	1	64	203	34.0	1	62	201	35.1	1	206	32.8	1

¹ Orangeville 2018-2019, Dundalk 2018-2019

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.