

Table 2: 2550 - 2750 C.H.U. Area

		<u>2001 - 2002 Averages</u>				<u>Results of 2002 Performance Trial</u>				
		Average of 3 Trials (Elora '01, Mitchell '02, Pakenham '01)				MITCHELL				
Brand and/or Hybrid		Notes	Yield Index	Moist. %	Brkn Stk %	Test Wt. Index	Yield Index	Moist. %	Brkn Stk %	Test Wt. Index
	Bayside SUPER 75		93	24.5	2	99	85	24.1	1	96
	Pickseed 2613		94	25.7	2	100	98	26.0	1	100
2	Direct D24		93	22.8	3	102	85	24.8	0	100
5	Hyland HLB258	B1					105	27.3	1	102
5	Mycogen 2141	B3	95	24.1	12	103	85	24.1	4	101
0	Elite 55T61LL	L2	87	24.0	5	100	83	24.9	4	100
	Hyland HLB260	B3	96	22.6	3	99	90	23.3	2	97
	Pride K130BT	B3	97	23.8	4	103	94	24.7	0	103
	NK N15-P6	B2	96	23.8	2	102	97	25.0	2	100
	Maizex MZ185						98	27.3	1	101
	Pickseed 2601RR	R					88	24.9	4	96
	NK G-4046		86	23.5	2	101	90	23.8	1	99
2	Pride K152		101	27.4	4	103	96	29.2	2	104
6	Mycogen X21133						91	25.4	3	97
0	Mycogen 2199	B3	98	25.9	5	101	96	26.9	3	102
0	Pioneer 39D81		106	23.9	2	99	105	24.7	2	97
	Pioneer 3921		94	24.8	2	100	93	25.3	1	99
	Elite 60T05		107	26.7	6	101	100	27.2	4	102
	Elite 60T06	B1					100	27.1	1	102
	Garst 8975	I					93	26.0	0	98
	Pioneer 39D82	B1	106	24.9	1	98	108	26.4	0	98
	Dekalb DK346BTY	B1					85	26.5	1	103
	Maizex MZ2452BT	B1					103	28.0	0	100
	Pride K162BT	B1	94	27.3	1	105	90	28.0	0	105
	NK N17-K5	L2	92	23.8	3	102	90	25.1	2	99
	NK N17-R3	B2	96	24.9	1	101	100	26.5	1	100
	Mycogen X21166						99	26.2	2	98
	Pickseed 2579						97	25.8	2	98
	Pioneer 39A46		97	25.8	0	102	103	25.9	0	101
	Pioneer 39K42	L2 B1					102	26.4	1	100
	Maizex MZ27-77RR	R					94	24.5	2	100
	Dekalb DKC35-51	R B1					96	25.1	2	98
	De Dell DL 1299		95	26.0	2	98	94	25.7	3	99
	Direct D39		91	23.8	3	98	96	24.2	1	98
	Golden Har. EX26395						105	25.1	1	99
2	Pride K177		102	25.5	3	101	94	25.6	1	102
6	Maizex MZ276		94	23.6	3	99	95	24.6	1	98
5	NK N22-T8	B2	101	25.3	1	102	107	25.9	0	101
0	Mycogen 2242		99	25.8	1	99	101	26.4	1	99
	Pickseed 2625LL	L2	92	24.2	3	98	92	24.7	3	99
	Pioneer 39F06	B1	101	24.8	0	100	98	25.2	0	102
	Pioneer 39K40		99	24.3	3	99	96	24.9	2	99
	Elite 67M78LL	B2					96	26.5	0	98
	Garst 8966		102	25.0	3	100	96	24.5	1	100
	De Dell DL1300						107	25.8	0	99
	Direct D49BT	B1					106	25.9	1	101
	Maizex MZ242		102	27.2	2	95	97	28.8	1	98
	Mycogen 2A230		99	25.6	3	97	98	25.0	1	98
	Mycogen 2249CL	I B3					98	27.7	1	99
	Garst 8942BT	B1	93	26.6	1	102	97	27.0	0	100

Long-Term Commitment to Performance Testing

The University of Guelph and the Ontario Corn Committee (OCC) are pleased to announce the purchase of a new plot combine, a split-plot New Holland TR89. The TR89 replaces three aging combines at the University of Guelph's main campus, Ridgetown campus and Huron experiment station. It has been converted so it can harvest 2 plots at the same time electronically recording grain weight, moisture and test weight of each plot.

The OCC wishes to acknowledge the role of the hybrid seed corn companies in making the purchase of this combine possible. They are contributing roughly one-third of the cost of the combine through an increase in the fees paid to enter hybrids into the Performance Trials over 4 years. This support reflects the long term commitment of the seed corn companies to performance testing and the desire of the Corn Committee to improve the quality of the data available to Ontario farmers. The balance of the required funding came from the University of Guelph's Department of Plant Agriculture and Ridgetown College.

The combine will be used to harvest all of the OCC performance trials run by the University of Guelph's main campus, Ridgetown campus and Huron experiment station. The TR89 will also be used to harvest corn breeding research trials from the University of Guelph's main campus and white food corn breeding experiments at Ridgetown College.

Table 2 Continued: 2550 - 2750 C.H.U. Area

		<u>2001 - 2002 Averages</u>				<u>Results of 2002 Performance Trial</u>				
		Average of 3 Trials				MITCHELL				
Brand and/or Hybrid	Notes	Yield	Moist.	Brkn	Test Wt.	Yield	Moist.	Brkn	Test Wt.	
		Index	%	Stk %	Index	Index	%	Stk %	Index	
Garst	8968BT	B1	95	24.9	1	99	95	24.4	0	98
Maizex	MZ27-77BT\RR	R B1				101	24.9	2	99	
De Dell	DL 1445					119	28.3	2	101	
De Dell	DL1313					87	26.2	3	102	
Direct	D49		106	26.6	1	101	108	26.3	1	101
Pride	K196		100	27.7	2	100	103	28.6	2	101
Maizex	MZ278		100	26.6	3	101	108	26.6	5	100
Garst	NB908					98	26.2	2	99	
NK	N2555BT	B2	114	26.9	5	101	119	28.5	0	103
2 NK	N25-D7	B2	105	25.5	1	100	97	26.6	0	101
7 NK	N25-Y2	L2	103	26.6	3	100	107	27.7	1	101
0 RAGT	PG005					105	29.5	4	102	
0 Renk	RK232		104	25.2	3	99	105	26.1	2	97
Renk	RK232BT	B1	100	27.1	2	98	99	27.6	3	99
Renk	RK232RRBT	R B1				105	27.4	1	98	
Direct	D38RRBT	R B1				105	25.1	1	98	
Mycogen	2470		94	25.0	2	100	91	24.9	1	98
Pickseed	2655BT	B1	96	26.9	1	100	98	27.4	1	101
Pioneer	38G17	B1	110	26.4	1	100	107	27.2	1	101
Pioneer	38R69		111	26.0	3	99	109	26.2	2	99
Pioneer	3893		107	25.8	3	100	103	26.5	2	101
De Dell	DL2162					91	27.9	1	98	
Maizex	MZ2902BT	B1				110	26.2	0	97	
De Dell	DL 2461		98	26.9	7	99	88	26.8	1	101
Dekalb	DKC37-80		97	25.2	3	100	95	27.0	0	101
Pride	82A71BT	B1	99	26.3	2	99	95	26.6	0	100
Garst	8901BT	B1	95	27.6	1	101	98	28.8	0	100
Direct	D48BT	B1				106	29.4	1	100	
2 Hyland	HLB275	B3	103	27.0	1	95	108	25.5	1	99
7 Hyland	HL2333		107	27.0	2	98	104	26.0	2	100
5 Mycogen	X22211CL	I				99	27.6	1	102	
0 Mycogen	2610		96	26.4	2	100	102	28.2	2	101
Pickseed	2735BT	B1				107	27.7	1	103	
Garst	8945					107	26.5	5	100	
Maizex	MZ2845BT	B1				107	30.4	1	103	
Dekalb	DKC39-45		108	26.3	4	99	111	26.1	2	100
Pride	K251		105	26.8	4	103	104	28.3	2	106
NK	N27-M3	B2	113	27.3	2	102	118	27.9	0	102
Mycogen	2670					100	26.3	2	99	
Pioneer	38W36	B1	111	26.6	1	99	117	27.5	2	100
2 Dekalb	DKC40-52	B1				114	27.0	1	99	
8 Golden Har.	H-6675					103	26.1	0	102	
0 Pride	K282					107	26.5	0	98	
0 Maizex	MZ292					110	27.3	1	98	
Renk	RK383		109	25.5	1	99	104	25.4	1	99
Golden Har.	H-6775BT	B1				105	27.1	0	101	
Pioneer	38P05		117	26.6	5	100	113	27.4	2	101
LSD(0.10) for Yield Index *			4			6				
Average **			163	25.6	3	70	191	26.4	1	69

European Corn Borer Pressure

Low

* 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.