

Kent 2008 Corn Hybrid Trials

Purpose: To evaluate the performance of two heat unit groupings of corn hybrids in the Kent County.

Methods:

Seed companies are asked to submit one corn hybrid in the 3000 to 3175 and one in the 3200 to 3400 crop heat unit (CHU) range for the trial. Each cooperator grew the same corn hybrids in the heat unit range. Each hybrid comparison had a check variety grown in the plot. The plots are weighed off with a weigh wagon.

Results:

See below.

Summary: The average yield for the longer season hybrids was only slightly higher than the shorter season hybrids.

Next Steps: The project will be run again next year.

Acknowledgements:

Thanks to the Kent Corn Producers Association and the Kent Soil and Crop Improvement Association for supporting the project. The contribution of seed from the seed companies is much appreciated. Thanks also to the cooperators who do a great job planting and harvesting the plots. Thanks to Ed VanDeWynckel for compiling the results.

Project Contacts:

Ed VanDeWynckel, wink@ciaccess.com , 519-689-4010

Location of Project Final Report:

Adam Hayes, OMAFRA, Ridgetown

Crop Advances: Field Crop Reports

Table 1: Kent 2008 Corn Hybrid Trials 3200 – 3400 CHU

Cooperator Location				1		2		3		4		5		6		7		8		9		Average	
				W Balmer Thamesville		Brookstan Acres Thamesville		S Kearns Tupperville		K Lawton McKays Corners		B McDonald Thamesville		McKinlay Farms Thamesville		P Moir Chatham		E VandeWynckel Merlin		N Wammes Blenheim		% H2O	Yield (bu/ac)
Company	Hybrid	Traits	HU	Plot Moisture (%) and Yield (bu/ac) by Site																			
Country Farm	CF870YGCB	Bt-B1	3300	29.3	203.4	23.0	227.9	19.2	236.6	21.0	135.4	23.8	199.6	21.0	204.2	18.8	200.8	24.3	167	21.3	210.1	22.4	198.3
Hyland	HLB337	Bt-B1	3250	28.4	235.9	20.9	252.1	18.5	256.4	21.4	138.0	22.8	213.9	20.2	215.2	19.0	188.9	22.4	154.7	20.6	214.7	21.6	207.8
Maizex	MZ54-40RR	Bt-B1	3350	28	217.5	21.5	242.1	18.7	244.6	21.0	148.2	23.6	196.0	20.8	207.7	19.0	179.2	23.4	145.5	20.0	206.7	19.6	198.6
Dekalb	DKC59-64	Bt-B1	3250	31	223.8	22.1	255.8	19.9	252.7	21.0	152.7	23.6	209.2	20.8	215.3	18.2	199.1	23.5	144.2	25.4	234.6	20.6	209.7
Mycogen	2C727	Bt-B5	3200	27.6	222.3	19.2	256.2	18.6	248.9	23.3	155.5	22.6	202.1	21.0	214.2	18.8	205.4	24.3	160.3	21.8	221.7	19.7	209.6
Pioneer	35H42	Bt-B5	3350	26.1	246.3	21.5	252.9	18.6	224.5	21.1	132.5	22.6	219.9	19.8	219.9	19.1	188.4	20.9	151.2	20.1	238.1	19.0	208.2
Pride	A8107BT	Bt-B1	3350	28	219.5	20.2	245.9	18.7	238.7	22.6	138.4	23.2	198	20.2	211.8	19	191.8	23	174.0	20.3	235.1	19.5	205.9
Syngenta	N64-Z5		3400	29.5	227.3	20.9	247.5			24.9	148.6	24.2	210.3					22.6	159.6	15.7	196.3	19.7	198.3
Plant date				06-May		27-Apr		26-Apr		5-May		6-May		7-May		20-Apr		30-Apr		26-Apr			
Harvest date				22-Oct		11-Nov		6-Nov		22-Nov		29-Nov		31-Oct		5-Nov		22-Oct		31-Oct			
Soil type				loam		clay loam		clay loam		clay loam		clay-loam		loam		sand loam		clay		clay			
Tillage				conventional		conventional		conventional		min-til		conventional		conser-til		conventional		conventional		conventional			
# & Row width				6 x 30"		6 x 30"		8 x 30"		12 x 20"		4 x 38'		6 x 30"		6 x 30"		6 x 36"		6 x 30"			
Row length				922'		812'		643' to 670'		1140'		986'		1289'		1257'		677'		898'			
Previous crop				Wheat		Wheat		Soybeans		Corn		Wheat		Wheat		Wheat		Wheat		Wheat			

Note: Highlighted numbers indicate check variety. Individual locations: %Moisture, Yield, Adjusted yield

Table 2: Kent 2008 Corn Hybrid Trials 3000 – 3200 CHU

Cooperator Location				1		2		3		4		5		6		7		8		Average			
				Ralph Brodie Chatham		Leo Caron Muirkirk		Brian Cumming Dresden		E & B Elgie Dresden		Ken McLarty Ridgetown		J Jenner Charing Cross		B McFadden Dresden		P & K Richards Dresden		% H2O	Yield (bu/ac)		
Company	Hybrid	Traits	HU	Plot Moisture (%) and Yield (bu/ac) by Site																			
Hyland	HLB 295	Bt-B1	3050	18.5	205.3	19.3	177.4	16.9	208.3	19.2	212.0	21.6	218.4	20.6	188.8	29.6	192.1	22.1	189.9		21.0	199.0	
Maizex	MZ4433Bt	Bt-B1	3100	18.2	183.5	19.0	153.3	18.6	209.9	18.8	215.0	19.1	215.9	21.5	210.1	29.4	196.2	22.5	181.1		20.9	195.6	
Dekalb	DKC52-62	R1	3100	18.2	207.1	19.4	162.7	17.3	223.5	18.6	219.0	20.4	231.7	21.0	207.1	25.8	221.5	21.8	211.1		20.3	210.5	
Mycogen	2H546	B5	3125	19.2	210.2	19.6	141.5			19.8	213.0	20.3	221.3	27.5	151.3	27.9	197.4	23.5	202.2		22.5	191.0	
Pioneer	35F40	Bt-B5	3100	19.9	208.6	18.8	134.0	20.0	231.0	20.8	219.0	22.4	229.6	24.8	186.6	29.0	216.4	23.5	208.8		22.4	204.3	
Pride	A7243Bt	R1	3150	18.4	198.7	19.2	146.3	18.1	212.0	19.1	214.1	20.3	214.4	23.2	170.9	26.5	194.9	21.5	185.5		20.8	192.1	
Syngenta	N53-H7	Bt-B2	3100	19.8	202.1	18.6	154.5	19.5	225.8	20.1	214.1	22.1	230.8	23.4	217.5	30.5	204.6	25.1	207.3		22.4	207.1	
Pickseed	3188		3175	18.6	201.3	18.6	132.7	18.8	211.5	20.2	202.1	20.7	211.8	21.5	187.7	27.7	189.6	21.2	190.5		21.5	190.9	
Plant date				1-May		5-May		21-Apr		2-May		5-May		24-Apr		30-Apr		5-May					
Harvest date				6-Nov		28-Nov		23-Oct		11-Nov		31-Oct		27-Oct		17-Oct		6-Nov					
Soil type						clay loam		sand loam		sand loam		sandy-loam		clay		clay loam		sand loam					
Tillage				conventional		min. till		conventional		conventional		conventional		no-till		conventional							
# & Row width				6 x 30"		38"		30"				30"		30"									
Row length																							
Previous crop				Soybeans		Soybeans		Wheat		Alfalfa hay		corn		Wheat		Soybeans		Soybeans					

Note: Highlighted numbers indicate check variety. Individual locations: %Moisture, Yield, Adjusted yield

Crop Advances: Field Crop Reports