

Essex ICAT Corn Hybrid Trials 2010 (Essex SCIA Project)

Purpose: To evaluate corn hybrid performance in the Essex County area.

Methods: Seed companies are asked to submit a Corn hybrid for the trial. Each cooperator grows the same corn hybrids. The cooperator uses one of the hybrids as a check or selects a hybrid they are familiar with to use as a check. The plots are weighed off with a weigh wagon. This year there was an emphasis on hybrids with one or more traits.

Results: See table 1.

Summary: The results speak for themselves. The Dekalb variety was at or near the top of all locations.

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

Acknowledgements:

Thanks to all the seed companies who donated seed. Thank you to the co-operators for their extra effort in planting and weighing off the plots. Thanks to Adam Hayes, OMAFRA for compiling the results.

Project Contacts:

Adam Hayes, OMAFRA, adam.hayes@ontario.ca , 519-674-1621

Crop Advances: Field Crop Reports

Table 1. Essex SCIA Independent Corn Adaptability Trials 2010

Individual Plot Yields				1		2		3		4		5		Average		
Company	Hybrid	Traits	HU	Essex Demo Farm		Rob & Paul Repko		Denotter Farms		Jerome Deslippe		Hylander Farms		% M	Yield bu/ac	Yield Index
				Amherstburg 1		Kingsville 2		Kingsville		Amherstburg		Essex				
Country Farm	CF 884VT3	ECB, CRW, RR	3450	19.4	136.2	23.7	144.1	18.4	139.4	21.4	213.2	13.5	210.8	19.3	168.7	97%
Dekalb	DKC61-19	ECB, CRW, RR	3300	19.3	141.1	21.6	206.8	17.8	170.6	19.4	211.3	14.4	210.1	18.5	188.0	108%
Hyland	HL B77R	ECB, RR	3300	18.2	132.1	16.1	197.6	17.5	168.1	20.0	184.5	13.9	177.0	17.1	171.9	98%
Maizex	MZ5445CBR	ECB, CRW, RR	3350	19.2	120.6	24.8	138.8	17.8	164.8	21.2	195.1	13.5	209.2	19.3	165.7	95%
Pioneer	P0453HR	WBC, LL, RR, ECB	3150	18.3	132.6	16.7	209.1	17.0	156.0	19.4	187.2	13.2	205.6	16.9	178.1	102%
		# of Checks/Reps		3/2		7/1		4/4		3/1		4/1				
		Check Hybrid		Pioneer P0453HR		Pioneer P35F40		Dekalb DK 52-63		Pioneer P35H40		Hyland HL B77R				
		Check Yield (variance)		132.6 (30.7)		199.1 (25.6)		163.7 (9.9)		181.5 (10.7)		177.0 (11.6)				
		Planting Date		May 27, 2010		May 31, 2010		May 26, 2010		May 31, 2010		30-Apr-10				
		Harvest date (2010)		October 29		October 30		October 23		November 1		October 20				
		Soil Type		Clay		Clay		Clay		Loam		Clay				
		Tillage		No-till		No-till		Minimum		Vertical till		Conventional				
		# of Rows & Row Width		12 x 30"		6 x 30"		4 x 20"		12 x 30"		4 x 30"				
		Row length (ft)		945		645		874		518		750				
		Previous Crop		Soybeans		Winter Wheat		Soybeans		Corn		Winter Wheat				

Individual Plots Indexed				1		2		3		4		5	
Company	Hybrid	Traits	HU	Essex Demo Farm		Rob & Paul Repko		Denotter Farms		Jerome Deslippe		Hylander Farms	
				Amherstburg 1		Kingsville 2		Kingsville		Amherstburg		Essex	
Country Farm	CF 884VT3	ECB, CRW, RR	3450	136.2	103%	144.1	80%	139.4	87%	213.2	108%	210.8	104%
Dekalb	DKC61-19	ECB, CRW, RR	3300	141.1	106%	206.8	115%	170.6	107%	211.3	107%	210.1	104%
Hyland	HL B77R	ECB, RR	3300	132.1	100%	197.6	110%	168.1	105%	184.5	93%	177.0	87%
Maizex	MZ5445CBR	ECB, CRW, RR	3350	120.6	91%	138.8	77%	164.8	103%	195.1	98%	209.2	103%
Pioneer	P0453HR	WBC, LL, RR, ECB	3150	132.6	100%	209.1	117%	156.0	98%	187.2	94%	205.6	102%