

Essex ICAT Corn Hybrid Trials 2009 (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 tables below.

Summary: The results speak for themselves.

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:

Crop Advances: Field Crop Reports 2009

Essex SCIA Independent Corn Adaptability Trials 2009

Individual Plot Yields

Company	Hybrid	Traits	HU	1		2		3		4		5		6		7		Average		
				Essex Demo Farm	Rob & Paul Repko	Denotter Farms	Robert Rivest	Jerome Deslippe	Malden Valley	Hylander Farms	% M	Yield	Yield							
				Amherstburg *1	Kingsville *2	Kingsville	Comber	Amherstburg	South Woodslee	Essex										
Country Farm	CF 870VT3	RR, ECB, CRW	3350	29.1	153.8	23.9	224.1	23.2	159.8	28.2	159.2	24.5	197.7	23.4	185.7	29.6	146.3	26.0	178.8	102%
Croplan	6226VT3	RR, ECB, CRW	3300	28.5	144.0	24.3	213.5	24.7	151.5	28.0	157.5					30.3	149.7	27.2	168.0	96%
Dekalb	DKC 59-64	RR, ECB, CRW	3300	28.1	165.0	23.9	208.2	22.4	156.1	26.2	156.4	24.8	200.5	24.8	186.3	28.6	142.9	25.5	173.6	99%
Maizex	MZ 5445	RR, ECB, CRW	3350	27.6	152.1	24.4	175.2	24.8	155.7	28.5	159.5	23.8	196.3	22.8	213.7	29.6	155.2	25.9	176.1	101%
Mycogen	2V732	RR, ECB, CRW	3350	29.4	160.0	24.6	223.2	23.3	143.9	27.2	151.3	26.5	196.9	23.6	182.6			25.8	176.3	101%
Pioneer	P 35H42	HX1, LL, RR2	3250	25.3	165.0	22.3	234.4	21.2	168.5	25.3	151.2	33.0	191.8	22.2	183.8	28.0	129.5	25.3	174.9	100%
		# of Checks		5	8	3	3	2	2	5										
		Check Hybrid		P 35H42		CF870 non bt	DKC 59-64	Pioneer 34P88	CF870 non bt	Hyland B337										
		Check Yield (variance)		165.0 (15.2)	207.4 (24.2)	171.6 (3.2)	156.4 (13.0)	188.6 (17.0)	173.8 (38.0)	157.7 (17.7)										
		Planting Date		May 19, 2009	May 12, 2009	May 13, 2009	May 1, 2009	May 13, 2009	May 12, 2008	15-May-09										
		Harvest date		16-Nov-2009	16-Nov-2009	13-Nov-2009	10-Nov-2009	7-Nov-2009	16-Nov-2009	6-Nov-2009										
		Soil Type		Clay	Loam	Clay	Clay	Loam	Clay loam	Clay										
		Tillage		No-till	Minimum	Minimum	Minimum	Vertical till	Minimum	Conventional										
		# of Rows & Row Width		12 x 30"	6 x 30"	12 x 20"	8 x 30"	12 x 30"	16 x 38"	6 x 30"										
		Row length (ft)		945	1017	481	1614	957	826	1020										
		Previous Crop		Soybeans	Soybeans	Winter Wheat	Winter Wheat	Corn	Winter Wheat	Winter Wheat										

Notes: Bold numbers indicate check variety.

*1. Raccoon damage to MZ5445, 6226VT3 & CF870VT3 and not included in those hybrid average

*2 Yield loss due to combine problem in MZ 5445 and not included in the hybrid average

Individual Plots Indexed

Company	Hybrid	Traits	HU	1		2		3		4		5		6		7		Average	
				Essex Demo Farm	Rob & Paul Repko	Denotter Farms	Robert Rivest	Jerome Deslippe	Malden Valley	Hylander Farms	% M	Yield	Yield						
				Amherstburg *1	Kingsville *2	Kingsville	Comber	Amherstburg	South Woodslee	Essex									
Country Farm	CF 870VT3	RR, ECB, CRW	3350	29.1	NA	23.9	102%	23.2	103%	28.2	102%	24.5	101%	23.4	98%	29.6	101%	26.0	101%
Croplan	6226VT3	RR, ECB, CRW	3300	28.5	NA	24.3	97%	24.7	97%	28.0	101%					30.3	103%	27.2	100%
Dekalb	DKC 59-64	RR, ECB, CRW	3300	28.1	103%	23.9	94%	22.4	100%	26.2	100%	24.8	102%	24.8	98%	28.6	99%	25.5	99%
Maizex	MZ 5445	RR, ECB, CRW	3350	27.6	NA	24.4	NA	24.8	100%	28.5	102%	23.8	100%	22.8	112%	29.6	107%	25.9	104%
Mycogen	2V732	RR, ECB, CRW	3350	29.4	100%	24.6	101%	23.3	92%	27.2	97%	26.5	100%	23.6	96%			25.8	98%
Pioneer	P 35H42	HX1, LL, RR2	3250	25.3	103%	22.3	106%	21.2	108%	25.3	97%	33.0	98%	22.2	97%	28.0	89%	25.3	100%

