

2009 UC Cooperative Extension Solano RR Field Corn Trial - Hastings Island

Cooperator: Mark Boyd, Hastings Island Land Company

Experimentors: Brittan, Kochi

Soil Type: Egbert silty clay loam

Planting Date: April 29, 20009

Planter: NGplus Monosim Air planter

Planting Depth: 2.5 inches

Rows Per Plot: 6

Fertilizer: 3-8-11 plus 0.25Zn at 50gal/ac, layby 50gal/ac UN32

Irrigation: By furrow

Location: South end Hastings Island 1st field north of bridge on east side behind houses

Harvest Date: October 9, 2009

Seed drop: 7 inches

Length of Plots: 1000 feet

Row Width: 6 rows on 60 inch beds

Replications: 2

Previous Crop: Safflower

Herbicide: Roundup Ultramax

Insecticide: Oboron for mites

Initials	Entry Name/NO.	Company Name	Stand Plants/A	Days to Bloom	Maize					Ear Height (in)	Moisture at Harv. (%)	Bushel Wt. Calculated lbs/bu	Yield ¹ (lbs/A)	Duncan's Multiple Range Test (5%)
					Mosaic (%)	Ear Rot (%)	Smut (%)	Common Smut (%)	Lodged Plants (%)					
CP	6818VT3	Croplan	32234	82	0	1	0	0	0	48	14.6	60.7	13334	A
NK	N78N-GT	NorthrupKing	33106	82	0	1	0	0	0	50	13.8	61.7	13288	A
ES	ES7548VT3	Eureka Seeds	32234	78	0	0	0	0	0	46	12.9	57.8	12958	AB
INT	9650VT3	Integra	33106	83	0	0	0	0	1	47	13.2	59.1	12926	AB
INT	9651VT3	Integra	33977	82	0	1	0	0	0	42	13.9	58.8	12865	ABC
PI	31G97	Grower	33106	82	0	0	0	0	0	48	12.8	62.0	12864	ABC
NC+	5436VT3	NC+ Hybrids	32234	79	0	0	0	0	0	44	12.7	59.4	12641	ABCD
MY	2T789RR	Mycogen	31363	83	0	1	0	0	0	45	14.4	59.5	12608	ABCD
MY	2T826	Mycogen	32234	83	0	0	0	0	0	46	13.8	59.8	12440	ABCD
NK	N82V-3000GT	NorthrupKing	33106	81	0	2	0	0	0	49	14.0	60.0	12201	ABCD
ES	ES7590RR	Eureka Seeds	33106	79	0	0	0	0	0	44	13.0	60.8	12111	ABCD
DK	DKC68-06 RR2/YGCB	Dekalb	32234	78	0	0	0	0	0	44	16.3	59.9	11967	BCD
CP	8505VT3	Croplan	31363	80	0	0	0	0	0	48	14.6	61.7	11962	BCD
DK	DKC67-87 RR2/YGCB	Dekalb	32234	83	0	0	0	0	0	56	13.3	61.2	11606	CD
NC+	4022VT3	NC+ Hybrids	31363	79	0	2	0	0	0	48	12.2	61.6	11538	D

Average	32467	81	0	0	0	0	0	0	47	13.7	60.2	12487
Coefficient of Variation	3.1	0.3	NA	NA	NA	NA	NA	NA	4.6	2.9	0.5	4.1
LSD @ 5%	2158	0.5							5	0.9	0.7	1108
Probability of Significance	NS	**							**	**	**	*
Rep effect									**	**		**
Non-additivity												

¹ Yield adjusted to 15% moisture
95% Significance

NS= Not Significant, NA= Not Analyzed
** 99% Significance