

# 2009 UC Cooperative Extension Delta Grain Corn Variety Trial - Tyler Island

Cooperator: Steve and Gary Mello  
Experimentors: Kent Brittan, Mark Kochi  
Planting Date: April 16, 2009  
Planting Method: White air planter, 8 row  
Planting Depth: 2 inches  
Rows Per Plot: 4

Location: Tyler Island  
Length of Plots: 1200 feet  
Row Width: 30 inches  
Previous Crop: Corn  
Harvest Date: October 6, 2009

Fertilizer: 25 gallons per acre of 8-24-6 with 1/2% zinc banded 1.5 inches and 1.5 inches to the side of seed.

Insecticide: None

Herbicide: Roundup Ultramax

Seed drop: 6 inches, 35,000seed/acre

Irrigation: By spud ditch

Soil Type: Rindge mucky silt loam, 10-25% Organic matter, Storie index 57, Grade 3

Duncan's

Entry Initials	Company Name/NO.	Company Name	Maize D Fusarium Head Common Plants Ear Moisture Bushel													Range Multiple
			Stand Plants/A	Days to Bloom	Mosaic No./100	ear rot (%)	Smut (%)	Smut (%)	Lodged (%)	Height (in)	at Harv. (%)	Wt. lbs/bu	Yield <sup>1</sup> (lbs/A)	Test (5%)		
DK	DKC6482	Dekalb-Grower	38333	75	0	0	2	0	0	53	12.2	62.8	14981	A		
MY	2T789RR	Mycogen	38333	76	0	0	2	0	0	54	12.7	60.7	14845	A		
GH	9145-3000GT	Golden Harvest	40075	77	0	2	1	0	0	53	13.3	57.6	14825	A		
GH	9416-3000GT	Golden Harvest	37462	73	0	0	2	0	0	57	13.1	59.8	14734	AB		
DK	DKC61-22 RR2	Dekalb	38333	76	0	1	6	0	0	55	11.8	61.3	14636	AB		
CP	6818VT3	Croplan	36590	73	0	0	1	0	0	50	12.6	61.5	14623	AB		
CP	6178RR	Croplan	37462	78	0	0	3	0	0	53	11.9	61.4	14614	AB		
INT	9650VT3	Integra	37462	79	0	0	7	0	0	58	12.3	60.0	14606	AB		
INT	9673RB	Integra	37462	77	0	0	3	0	0	52	13.7	59.9	14237	ABC		
PI	33T55	Pioneer-Grower	36590	74	0	0	4	0	0	50	11.8	60.9	14086	ABC		
ES	ES7548VT3	Eureka Seeds	36590	79	0	0	1	0	0	53	12.2	59.2	14038	ABC		
NC+	4022VT3	NC+ Hybrids	38333	74	0	5	1	0	0	53	11.5	61.5	14020	ABC		
CP	7505RR	Croplan-Grower	36590	74	0	0	4	1	0	54	12.4	62.1	13978	ABC		
DK	DKC63-84 VT3	Dekalb	37462	76	0	0	11	0	0	61	11.2	59.1	13847	ABC		
ES	ES7477VT3	Eureka Seeds	36590	75	0	0	1	0	0	56	11.8	61.3	13602	BC		
MY	2W814	Mycogen	40075	78	0	0	9	0	0	58	13.0	60.4	13307	CD		
NC+	5453VT3	NC+ Hybrids	37462	76	0	0	3	0	0	58	12.0	61.9	13229	CD		
NK	N82V-3000GT	NorthrupKing	37462	79	0	1	6	0	0	54	12.1	61.2	12297	D		
NK	N78N-GT	NorthrupKing	38333	76	0	0	38	0	0	52	13.1	61.9	11037	E		

<b>Average</b>	37737	76	0	0	5	0	0	54	12.3	60.7	13976
<b>Coefficient of Variation(%)</b>	2.5	0.2	NA	NA	21	NA	NA	2.0	2.8	1.0	3.5
<b>LSD @ 5%</b>	1980	0.3			2			2.3	0.7	1.3	1012
Probability of Significance	*	**			**			**	**	**	**
Rep effect											**
Non-additivity					**						

<sup>1</sup> Yield adjusted to 15% moisture

NA = Not Analyzed

\* 95% Significance

\*\* 99% Significance