

**Table 1. 2009 UC Cooperative Extension Davis Corn Variety Trial - UC Davis**

Cooperator: Jim Jackson Plant Science UC Davis  
Experimenters: Brittan, Kochi  
Soil Type: Yolo silt loam  
Planting Date: April 16, 2009  
Planter: John Deer Maxi Merg Air planter  
Planting Depth: 2.5 inches  
Rows Per Plot: 6, 2 rows/bed  
Fertilizer: 16 lbs N Preplant + 250 lbs N Post emergence sidedressed  
Irrigation: By furrow

Location: UCD Plant Sciences  
Harvest Date: October 1, 2009  
Seed drop: 7 inches  
Length of Plots: 528 ft  
Row Width: 2 rows on 60 inch beds  
Replications: 2  
Previous Crop: Alfalfa  
Insecticide: None  
Herbicide: Roundup Ultra Max

Initials	Entry Name/NO.	Company Name	Stand Plants/A	Days to Bloom	Maize					Ear Height (in)	Moisture at Harv. (%)	Bushel Wt. lbs/bu	Yield <sup>1</sup> (lbs/A)	Duncan's Multiple Range Test (5%)
					Mosaic (%)	ear rot (%)	Smut (%)	Smut (%)	Plants Common Lodged (%)					
NK	N78N-GT	NorthrupKing	36590	79	0	9	0	2	0	67	12.4	61.1	17252	A
NC+	5387VT3	NC+ Hybrids	38333	75	0	2	0	0	0	68	11.6	61.1	16847	AB
NK	N82V-3000GT	NorthrupKing	37462	75	0	32	0	1	0	74	11.0	59.6	16676	AB
DK	DKC67-87 RR2/YGCB	Dekalb	38333	81	0	0	0	0	0	74	13.3	61.1	16652	AB
MY	2T789RR	Mycogen	34848	77	0	10	0	1	0	71	13.4	58.2	16394	BC
DK	DKC68-06 RR2/YGCB	Dekalb	37462	73	0	0	0	0	2	61	13.3	59.9	16288	BC
ES	ES7531	Eureka Seeds	35719	73	0	11	0	0	0	67	11.7	62.1	16216	BC
CP	6818VT3	Croplan	37462	72	0	4	0	1	0	62	13.4	60.0	16175	BCD
CP	8505VT3	Croplan	37462	74	0	1	0	0	0	77	12.6	61.3	15876	CD
INT	9650VT3	Integra	37462	78	0	2	0	0	0	67	10.4	58.3	15692	CD
ES	ES7548VT3	Eureka Seeds	38333	73	0	1	0	0	1	66	10.2	57.3	15464	DE
MY	2G847	Mycogen	36590	73	0	7	0	0	0	65	11.9	60.6	14952	EF
INT	9651VT3	Integra	34848	76	0	4	0	0	0	59	12.2	58.6	14855	EF
NC+	5453VT3	NC+ Hybrids	38333	74	0	9	0	0	0	66	11.2	60.8	14439	F
Average			37088	75	0	6	0	0	0	67	12.0	60.0	15984	
<b>Coefficient of Variation</b>			4.2	0.8	NA	46.6	NA	NA	NA	5.2	3.4	1.1	2	
<b>LSD @ 5%</b>			3372	1.3		6.4				7.6	0.9	1.5	683	
Probability of Significance			NS	**		**				**	**	**	**	
Rep effect													**	
Non-additivity													**	

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

NS= Not Significant, NA= Not Analyzed

**Table 3. 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

Entry Initials	Company Name/NO.	Company Name	Maize D Fusarium Head Common Plants Ear Moisture Bushel											Yield <sup>1</sup> (lbs/A)	Range Test (5%)
			Stand Plants/A	Days to Bloom	Mosaic No./100	ear rot (%)	Smut (%)	Smut (%)	Lodged (%)	Height (in)	at Harv. (%)	Wt. lbs/bu			
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  
 \*\* 99% Significance

\* 95% Significance

**Table 2. 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, 2009

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 <sup>1</sup> (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	47	13.7	60.2	12487	
Coefficient of Variation			3.1	0.3	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														

<sup>1</sup> Yield adjusted to 15% moisture  
95% Significance

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