

# 2009 UC Cooperative Extension UCD Grain Corn Variety Trial

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

Maize

Dwarf Fusarium Head Common Lodged Ear Moisture Bushel Duncan's Multiple

Initials	Entry Name/NO.	Company Name	Stand	Days to	Mosaic (%)	ear rot (%)	Smut (%)	Smut (%)	Plants (%)	Height (in)	at Harv. (%)	Wt. lbs/bu	Yield <sup>1</sup> (lbs/A)	Range Test (5%)
			Plants/A	Bloom										
NK	N78N-GT	NorthrupKing	36590	79	0	9	0	2	0	67	12.4	61.1	18102	A
NK	N82V-3000GT	NorthrupKing	37462	75	0	32	0	1	0	74	11.0	59.6	16676	B
DK	DKC67-87 RR2/YGCB	Dekalb	38333	81	0	0	0	0	0	74	13.3	61.1	16652	B
MY	2T789RR	Mycogen	34848	77	0	10	0	1	0	71	13.4	58.2	16394	BC
NC+	5387VT3	NC+ Hybrids	38333	75	0	2	0	0	0	68	11.6	61.1	16274	BCD
ES	ES7531 Not RR	Eureka Seeds	35719	73	0	11	0	0	0	67	11.7	62.1	16216	BCD
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	BCDE
INT	9650VT3	Integra	37462	78	0	2	0	0	0	67	10.4	58.3	15692	BCDE
DK	DKC68-06 RR2/YGCB	Dekalb	37462	73	0	0	0	0	2	61	13.3	59.9	15445	BCDE
MY	2G847	Mycogen	36590	73	0	7	0	0	0	65	11.9	60.6	14952	CDEF
INT	9651VT3	Integra	34848	76	0	4	0	0	0	59	12.2	58.6	14855	DEF
ES	ES7548VT3	Eureka Seeds	38333	73	0	1	0	0	1	66	10.2	57.3	14590	EF
NC+	5453VT3	NC+ Hybrids	38333	74	0	9	0	0	0	66	11.2	60.8	13571	F
Average			37088	75	0	6	0	0	0	67	12.0	60.0	15819	
Coefficient of Variation			4.2	0.8	NA	46.6	NA	NA	NA	5.2	3.4	1.1	3.9	
LSD @ 5%			3372	1.3		6.4				7.6	0.9	1.5	1340	
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