

2001 UCD Corn Variety Trial

Cooperator: Richard McGraugh
 Planting date: May 8, 2001
 Harvest Date: October 16, 2001
 Planter: John Deer 71
 Plot Size: 4 rows, 226 feet long
 Soil Type: Yolo loam, Class I
 Seed Drop: 6 inches
 Planting Depth: 2 inches
 Rows per Plot 4
 Replications: 2

Row Spacing: 30 inches
 Insecticide: None
 Herbicide: None
 Irrigation: Furrow
 Location: UC Davis Agronomy Farm
 Previous Crop: 2000-Fallow

	Entry Name/NO.	Stand (Plants/A)	Days to Bloom	Maize				Ear Height (in)	Moisture at Harvest (%)	Bushel Wt. lbs/bu	Yield** (lbs/A)	Duncan's Multiple Range Test (5%)
				Mosaic (%)	Streak (%)	Head Smut (%)	Common Smut (%)					
NC+ Hybrids	NC+ NC+ 7101	29140	68	0	1	0	2	57	12.0	57.8	11688	A
Eureka Seed	ES O1070	26937	70	0	5	0	1	54	11.2	57.7	11228	AB
Asgrow	AS RX826RR	25034	64	0	0	0	2	60	11.8	58.7	11025	AB
Pioneer	PI 33B50	26737	65	0	2	0	2	52	11.7	59.7	10937	ABC
NC+ Hybrids	NC+ NC+ 5411	25635	67	0	4	0	1	50	11.5	58.2	10685	ABCD
DEKALB	DK DK60-17RR	25936	70	0	3	0	1	44	11.4	58.3	10634	ABCD
Mycogen	MY 8070	26036	66	0	0	0	0	74	11.7	59.9	10554	ABCD
Eureka Seed	ES 20015	25235	69	0	7	0	1	52	11.4	58.4	10454	ABCD
Sieben	SI 7730	27438	67	0	1	0	1	55	11.2	59.9	10431	ABCD
Pioneer	PI 31G98	25936	65	0	0	0	3	56	11.2	59.2	10335	BCD
NorthrupKing	NK N7992	27438	68	0	3	0	1	64	12.1	60.6	10170	BCDE
Tuleburg	TB SX5460	32044	66	0	2	0	0	65	11.4	57.8	10065	BCDE
Pioneer	PI 31G98*	25135	64	0	1	0	1	58	11.4	59.1	10050	BCDE
DEKALB	DK DK64-10RR	26036	65	0	0	0	1	53	11.2	58.0	9890	BCDE
Tuleburg	TB SX5650	34648	66	0	2	0	3	58	11.2	57.2	9627	CDE
Mycogen	MY 2888 IMI	29140	66	0	1	0	0	65	12.3	59.8	9531	DE
Asgrow	AS RX897	27238	67	0	0	0	0	70	11.8	59.3	8937	E
NorthrupKing	NK N8214	35148	69	0	2	1	2	61	11.2	58.2	8877	E
Average		27827	67	0	2	0	1	58	11.5	58.8	10284	
C.V.%		5	1	NS	NS	NS	NS	7	2.3	1.4	5	
LSD @ 5%		3179	2					8	0.6	1.7	1164	

* Grower's standard variety

** Yield adjusted to 15% moisture

NS Not significant due to high variability in the data

2001 UCCE Feild Corn Variety Trial - Tyler Island

Cooperator: Steve Mello
 Planting date: April 17, 2001
 Planter: White air planter
 Harvest Date: October 9, 2001
 Plot Size: 4 rows, 1500 feet long
 Insecticide: Thimet granuales at planting
 Herbicide: Accent
 Irrigation: Subirrigation by spud ditch
 Location: Tyler Island
 Fertilizer: 30 gallons of 8-24-6 with 0.5% zinc banded 1.5 inches below and 1.5 inches to the side of seed.

Soil Type: Egbert muck, Class I
 Seed Drop: 6 inches
 Planting Depth: 2 inches
 Row Spacing: 30 inches
 Rows per Plot 4
 Replications: 2
 Previous Crop: 2000-Wheat

Company	Entry Name/NO.	Stand (Plants/A)	Maize					Ear Height (in)	Moisture at Harvest (%)	Bushel Wt. lbs/bu	Yield** (lbs/A)	Duncan's Multiple Range Test (5%)
			Mosaic (%)	Fusarium Ear Rot (%)	Head Smut (%)	Common Smut (%)						
NorthrupKing	NK N83-N5	34147	0	0	0	1	66	13.5	63.2	14323	A	
Asgrow	AS RX897	35749	0	0	0	0	62	13.3	61.4	14221	A	
Eureka Seed	ES 20015	33546	0	5	0	1	47	13.2	60.8	13750	AB	
Eureka Seed	ES 20070	34047	1	1	0	1	48	13.3	61.1	13426	ABC	
NC+ Hybrids	NC+ NC+ 5411	32845	0	0	0	1	49	13.4	61.0	13379	ABC	
MycoGen	MY 8070	35048	1	0	0	0	70	13.6	62.3	13351	ABC	
Pioneer	PI 31G98	33546	2	0	1	0	57	13.0	61.9	13349	ABC	
Pioneer	PI 31G98*	34347	1	0	0	0	57	13.2	62.5	13309	ABC	
Tuleburg	TB SX5400RR	35549	0	2	1	0	51	12.9	60.6	13284	ABC	
NC+ Hybrids	NC+ NC+ 6868	30142	0	1	1	0	53	14.2	60.0	13184	ABC	
Tuleburg	TB TS646	32244	1	0	1	0	52	12.9	59.5	13150	ABCD	
DEKALB	DK DK64-10RR	32945	2	0	1	0	52	13.1	61.1	13104	ABCD	
DEKALB	DK DK647	32244	0	1	1	0	58	13.8	60.1	12855	ABCD	
NorthrupKing	NK N7992	32545	1	2	1	0	59	13.3	62.7	12788	ABCD	
Asgrow	AS RX826RR	30142	0	0	2	2	56	13.6	61.3	11836	BCD	
Pioneer	PI 34M94	32445	1	0	0	0	46	12.9	60.7	11772	BCD	
Sieben	SI 7730	32845	2	0	2	0	47	13.3	61.1	11617	CD	
MycoGen	MY 8460	33847	0	4	1	3	61	13.4	60.0	11220	D	
Average		33235	0	1	1	0	55	13.3	61.2	12995		
C.V.%		0.85	NS	NS	NS	NS	7.0	1.7	0.8	6.2		
LSD @ 5%		596.713					8.1	0.5	1.0	1703		

* Grower's standard variety

** Yield adjusted to 15% moisture

Bloom date data not taken.

NS Not significant due to high variability in the data