

## 2003 Mello Corn Variety Trial - Tyler Island

Cooperator: Steve Mello  
Experimentors: Brittan, Kochi  
Soil Type: Rindge mucky silt loam, 10-25% Organic matter, Storie index 57, Grade 3  
Planting Date: April 29, 2003  
Planting Method: White air planter, 8 row  
Planting Depth: 2 inches  
Rows Per Plot: 4  
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: 5 lbs Thimet 20G at planting  
Herbicide: Accent

Location: Tyler Island  
Length of Plots: ~2200 feet  
Row Width: 30 inches  
Previous Crop: 2002-Wheat  
Harvest Date: October 13, 2003  
Seed drop: 6 inches, 35,000seed/acre  
Irrigation: By spud ditch

Company Entry		Stand	Days to	Plants	Fusarium	Head	Common	Ear	Moisture	Bushel	Yield**	Duncan's Multiple Range Test (5%)	
Initials	Name/NO.	(Plants/A)	Bloom	Lodged	Ear Rot	Smut	Smut	Height	at Harv.	Wt.			
				(%)	(%)	(%)	(%)	(in)	(%)	lbs/bu	(lbs/A)		
Asgrow	AS	RX752YG	34347	72	1	1	0	0	52	13	61	13160	A
Goldenharvest	GH	EX-9445	30642	75	0	4	0	0	58	13	61	13051	A
DEKALB	DK	DKC60-17	33246	70	0	1	0	0	57	15	61	12994	AB
Croplan	CP	705	31243	72	0	1	0	0	61	13	61	12836	ABC
NorthrupKing	NK	N72J5	34548	75	1	1	0	0	59	14	60	12776	ABC
Tuleburg	TB	5447RR	33146	71	0	0	0	0	53	14	59	12723	ABC
SeedTec	ST	7570	33746	76	0	6	0	0	58	14	61	12548	ABCD
SeedTec	ST	7539	24033	75	0	1	0	0	56	13	60	12333	ABCD
NC+ Hybrids	NC+	5411	32044	78	0	1	0	0	63	13	60	12231	ABCD
Croplan	CP	691	30242	74	0	0	1	0	60	14	59	11929	ABCDE
NC+ Hybrids	NC+	7101	32445	75	0	1	0	0	57	13	60	11929	ABCDE
Croplan	CP	818	32445	78	17	0	0	0	63	14	60	11862	ABCDE
Tuleburg	TB	5400RR	30142	78	1	0	1	0	59	14	61	11706	BCDE
Pioneer	PI	31G66	32545	78	1	2	1	0	71	14	61	11691	BCDE
NorthrupKing	NK	N83N5	32445	82	27	2	0	1	72	13	61	11527	CDE
DEKALB	DK	DKC66-50	32244	74	4	5	0	0	59	14	60	11378	DE
Asgrow	AS	RX741RR	33046	77	1	2	0	0	57	12	63	11368	DE
Sieben	SI	7722	27438	79	0	18	0	0	63	13	61	11258	DE
Pioneer	PI	34N43	30642	72	0	0	0	0	53	14	61	10839	E
Goldenharvest	GH	H-9599RR	27338	81	6	0	0	0	63	13	60	10688	E

Average 31398 75 3 2 0 0 60 13 61 12041  
**Coefficient of Variation** 5.44% 1% 8% 5% 1% 5%  
**LSD @ 5%** 3572 2 10 1 1 1142  
 Probability of Significance 99.9% 100% NS NS NS NS 96% NS 100% 100%  
 Non-additivity

\*\* Yield adjusted to 15% moisture

# 2003 UCD Corn Variety Trial

Cooperator: UC Davis LTRAS  
Experimentors: Brittan, Bryant, Kochi  
Soil Type: Yolo silt loam, Class I  
Planting Date: April 10, 2003  
Planter: John Deer 71 plate planter  
Planting Depth: 2.5 inches  
Rows Per Plot: 4  
Fertilizer: 250 lbs N preplant broadcast and disked  
Insecticide: None

Location: UCD LTRAS  
Seed drop: 7 inches  
Length of Plots: 60 feet  
Harvest Date: October 16, 2003  
Row Width: 30 inches  
Replications: 2  
Previous Crop: Wheat  
Herbicide: None  
Irrigation: By furrow

Company Name	Entry Initials	Stand Name/NO.	Stand (Plants/A)	Days to Bloom	Fusarium Ear Rot (%)	Head Smut (%)	Common Smut (%)	Lodged Plants (%)	Ear Height (in)	Moisture at Harv. (%)	Bushel Wt. Calculated (lbs/bu)	Yield** (lbs/A)	Duncan's Multiple Range Test (5%)
SeedTec	ST	7539	33106	82	0	0	0	2	60	12	59.5	15959	A
Pioneer	PI	31G66	32815	88	0	0	0	8	70	12	60.7	15617	AB
SeedTec	ST	7570RR	33396	77	1	0	1	19	64	12	59.2	14910	ABC
Sieben	SI	7690	34412	83	0	0	1	14	65	12	59.6	14699	ABCD
SeedTec	ST	7570	36155	83	1	0	0	5	60	11	59.2	14559	ABCD
Pioneer	PI	3162	33541	87	0	0	0	0	69	12	61.7	14213	BCDE
Goldenharvest	GH	H-9403G	32234	88	1	0	0	24	61	11	58.9	14194	BCDE
Croplan	CP	818	33686	88	0	0	0	13	62	12	59.6	14056	BCDEF
NC+ Hybrids	NC	7101	34122	87	0	0	0	3	56	12	60.6	13992	CDEFG
Croplan	CP	691BT	38478	86	0	0	1	7	60	12	59.3	13969	CDEFG
Pioneer	PI	34N43	32670	77	4	0	0	0	53	12	60.9	13378	CDEFG
Tuleburg	TB	5420	36445	77	0	0	1	12	54	11	58.8	13350	CDEFGH
NC+ Hybrids	NC	5411	34122	85	1	0	0	7	64	11	59.5	13312	CDEFGH
DEKALB	DK	DKC61-24	33686	87	3	0	0	1	49	11	61.2	13132	DEFGH
Croplan	CP	691	38623	84	1	0	2	5	60	11	59.4	13099	DEFGH
Goldenharvest	GH	H-2547	41818	87	5	0	3	5	58	11	59.5	12828	EFGH
NorthrupKing	NK	N8214	35284	90	0	0	0	13	68	12	60.3	12447	FGHI
Asgrow	AS	RX752YG	38914	83	1	0	0	16	51	11	59.4	12400	GHI
Sieben	SI	7730	35574	86	0	0	0	2	62	11	60.7	12370	GHI
Asgrow	AS	RX741RR	31508	86	0	0	0	36	49	11	61.8	11755	HI
NC+ Hybrids	NC+	4616	34848	85	0	0	0	5	69	11	59.2	11730	HI
Tuleburg	TB	5426	34993	75	0	0	0	6	53	11	58.8	11061	I
NorthrupKing	NK	N83N5	36736	90	0	0	0	26	70	12	61.0	10953	I
DEKALB	DK	DKC64-10RR	40946	89	0	0	0	80	48	11	59.3	10934	I
Average			35338	84	1	0	0	13	59	11	59.9	13288	
<b>Coefficient of Variation</b>			3%	1%					2%	3%	1.0%	5%	
<b>LSD @ 5%</b>			2384	2					2	1	1.3	1398	
Probability of Significance			100%	100%	NS	NS	NS	NS	100%	NS	100%	100%	
** Yield adjusted to 15% moisture													