

2002 UCCE Field Corn Variety Trial - UC Davis

Cooperator: UC Davis LTRAS
Experimentors: Brittan, Bryant, Kochi
Soil Type: Yolo silt loam, Class I
Planting Date: April 22, 2002
Harvest Date: October 9, 2002
Planter: John Deer 71 plate planter
Planting Depth: 2.5 inches
Rows Per Plot: 4
Fertilizer: 250 lbs N preplant broadcast and disked
Irrigation: By furrow

Location: UCD LTRAS
Seed drop: 7 inches
Length of Plots: 340 feet
Row Width: 30 inches
Replications: 2
Previous Crop:
Herbicide: None
Insecticide: None

	Compa	Entry	Stand	Days to	Maize	Fusarium	Head	Common	Ear	Moisture	Bushel	Yield**	Duncan's
	Initials	Name/NO.	(Plants/A)	Bloom	Dwarf	Ear Rot	Smut	Smut	Height	at Harv.	Wt.	(lbs/A)	Multiple
					Mosaic	(%)	(%)	(%)	(in)	(%)	lbs/bu		Range
					(%)								Test (5%)
Unity Seeds	US	7114	28539	77	0	1	0	0	61	11.5	59.8	10190	A
NC+ Hybrids	NC	7101	23032	80	0	0	0	0	65	14.0	59.0	9759	AB
DEKALB	DK	DKC64-10RR	40456	80	0	2	0	2	67	11.5	58.1	9404	ABC
Pioneer	PI	31G98	33046	83	0	0	0	1	69	11.3	58.4	9393	ABC
NC+ Hybrids	NC	5411	25235	82	0	0	0	0	67	12.5	57.2	9359	ABC
Croplan	CP	818RR	35749	84	0	0	0	0	67	13.3	58.2	9110	ABC
NorthrupKing	NK	N83-N5	40055	84	0	2	0	0	79	12.7	59.8	8842	ABC
SeedTec	ST	7515	35849	75	0	1	0	1	63	12.3	57.3	8742	ABC
DEKALB	DK	DK66-50	32745	79	0	2	0	0	61	13.0	58.1	8658	ABC
SeedTec	ST	7570	36250	82	0	0	0	0	62	12.8	58.3	8579	ABC
Sieben	SI	7730	37752	84	0	0	0	0	61	11.8	58.2	8523	ABC
Tuleburg	TB	SX5426	32945	76	0	0	0	1	69	12.1	56.8	8503	ABC
Asgrow	AS	RX813	35349	86	0	0	0	0	65	11.9	57.0	8284	ABC
Pioneer	PI	34B97	38653	81	0	0	0	0	65	11.6	61.1	7992	BC
Tuleburg	TB	SX5420	36250	76	0	0	0	1	70	12.1	56.1	7783	CD
Asgrow	AS	RX897RR	29641	85	0	2	0	0	74	12.1	59.0	7630	CDE
Pioneer	PI	31G98*	33346	85	0	0	0	1	70	11.4	58.9	7575	CDE
NorthrupKing	NK	N8214	33646	87	0	0	0	0	73	11.9	59.0	7521	CDE
Unity Seeds	US	6615	32445	87	0	7	0	1	66	13.2	58.0	6094	DE
Croplan	CP	827	31443	86	0	0	0	0	82	14.2	56.4	5840	E
		Average	33621	82	0	1	0	0	68	12.3	58.2	8389	
		C.V.%	9	3	NA	65	NA	177	2	2.3	1.2	9	
		LSD @ 5%	6231	5		1		1	2	0.6	1.4	1640	

* Grower's standard variety

** Yield adjusted to 15% moisture

NA Not Analyzed

2002 UCCE Field Corn Variety Trial - Tyler Island

Cooperator: Steve Mello
 Experimentors: Kent Brittan, Mark Kochi
 Soil Type: Rindge mucky silt loam, 10-25% Organic matter, Storie index 57, Grade 3
 Planting Date: April 18, 2002
 Harvest Date: October 8, 2002
 Planter: White air planter, 8 row
 Rows Per Plot: 4
 Irrigation: Subirrigation by spud ditch
 Previous Crop: 2001-Wheat
 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

Location: Tyler Island
 Seed Depth: 2 inches
 Seed drop: 6 inches
 Length of Plots: ~1500 feet
 Row Width: 30 inches
 Replications: 2
 Herbicide: Accent

	Entry Name/NO.	Stand (Plants/A)	Days to Bloom	Fusarium Ear Rot (%)	Head Smut (%)	Common Smut (%)	Ear Height (in)	Moisture at Harves (%)	Bushel Wt. lbs/bu	Yield** (lbs/A)	Duncan's Multiple Range Test (5%)
Croplan	CP 818RR	35749	73	0	2	0	51	13.3	60.7	14069	A
DEKALB	DK DKC6410RR	34247	74	0	1	2	56	12.9	60.3	14056	AB
DEKALB	DK DK6650	35749	73	1	5	0	62	12.6	60.9	13895	AB
Asgrow	AS RX813	34648	76	0	5	0	51	13.0	61.9	13771	AB
NorthrupKing	NK N67-H6	32945	71	0	8	0	52	12.8	60.6	13574	AB
NC+ Hybrids	NC 5411	29641	75	0	1	0	58	12.6	62.2	13520	AB
Pioneer	PI 31G98	36951	77	0	3	0	63	12.6	60.5	13480	AB
Pioneer	PI 31G98 Growers	34047	85	0	4	1	64	13.5	61.8	13390	AB
SeedTec	ST 7570	34447	76	0	10	0	54	12.6	60.3	13250	AB
NC+ Hybrids	NC 7101	32244	75	0	14	0	59	13.4	60.8	13195	ABC
SeedTec	ST 7515	32345	75	1	6	1	55	13.0	61.5	13193	ABC
NorthrupKing	NK N83-N5	34548	88	1	2	0	62	13.6	61.4	13166	BC
Tuleburg	BS SX5420	35249	73	0	1	1	63	13.3	61.1	12375	CD
Sieben	SI 7720	38553	74	0	0	0	51	12.7	60.3	12341	D
Unity Seeds	US 7114	33346	75	1	2	0	58	12.9	62.3	12145	D
Pioneer	PI 34B97	34848	75	0	10	0	60	13.2	62.0	12110	D
Tuleburg	BS SX5426	36951	72	1	1	0	55	13.3	60.8	11735	DE
Croplan	CP 827	34848	89	0	3	0	63	13.9	60.2	11110	EF
Asgrow	AS RX897RR	31944	88	1	1	0	62	13.2	61.3	11108	EF
Unity Seeds	US 6615	29541	84	7	6	1	63	13.5	60.7	10663	F
Average		34142	77	1	4	0	58	13.1	61.1	12807	
C.V.%		3	3.07	NA	85	NA	12	3.6	2.0	3	
LSD @ 5%		2155	4.955		7		14	1.0	2.5	774	

** Yield adjusted to 15% moisture

NA Not Analyzed