

2006 UCD Russell Ranch Corn Variety Trial

Cooperator: UC Davis LTRAS
Experimentors: Brittan, Bryant, Kochi

Harvest Date: October 26, 2006

Soil Type: Yolo silt loam, Class I
Planting Date: May 11, 2006

Seed drop: 7 inches
Length of Plots: ~218 feet

Planter: John Deer 71 plate planter
Planting Depth: 2 inches

Row Width: 30 inches

Rows Per Plot: 4

Replications: 2

Fertilizer: 250 lbs N preplant broadcast and disked

Previous Crop: None

Irrigation: By furrow

Herbicide: 1.5 oz Dual/ac PPL

Location: UCD Russell Ranch South 0.2mi of Russel Rd. 0.5mi west Co.Rd. 95

Insecticide: None

Specal Note: Heavy wind 9/22/06 caused some stalk breakage and lodging impacting yields of some varieties.

Duncan's

Fusarium Common Lodged Ear Moisture Bushel Multiple

Company	Entry	Stand	Days to	ear rot	Smut	Plants	Height	at Harv.	Bushel	Yield ¹	Range
Name	Initials	Name/NO.	(Plants/A)	Bloom	(%)	(%)	(in)	(%)	lbs/bu	(lbs/A)	Test (5%)
Garst	GA	8288	34848	67	13	1	63	13.5	61.9	11845	A
NorthrupKing	NK	N83-V3	32234	69	3	0	15	12.9	62.3	11667	AB
Asgrow	AS	RX754RR2	34848	60	41	2	1	12.3	60.0	11339	AB
Dekalb	DK	DKC64-27 RR2	29621	63	32	4	1	11.9	60.4	11162	ABC
NC+ Hybrids	NC	5221RP	32234	61	45	2	4	12.0	60.3	10882	ABCD
Eureka Seeds	ES	ST7539RR	30492	63	11	3	27	12.3	59.3	10772	ABCD
Eureka Seeds	ES	7570RR LTRAS	33977	62	37	5	5	12.4	57.7	10654	ABCD
Golden Harvest	GH	H-9205HX	33977	64	7	0	3	12.8	59.7	10533	ABCD
Golden Harvest	GH	H-9323HX	29621	60	3	1	5	12.1	58.2	10405	ABCD
Harvest Bounty	HB	HB9671R	33977	70	1	0	16	13.4	62.7	10349	ABCD
NC+ Hybrids	NC	5991B	38333	62	62	3	1	13.1	57.2	9902	ABCD
Harvest Bounty	HB	HB9673R	31363	67	39	2	30	12.9	60.4	9679	ABCDE
Croplan	CP	818RR2	31363	60	2	0	38	12.5	60.1	9665	ABCDE
Eureka Seeds	ES	X6033RRYGCB	35719	67	6	2	9	12.5	60.6	9548	BCDE
Dekalb	DK	DKC63-80 RR2	37462	60	30	0	18	12.2	60.9	9009	CDE
Asgrow	AS	RX752RR2/YGPL	33977	63	35	0	15	12.0	59.8	8844	DE
Eureka Seeds	ES	7570 LTRAS	33977	61	48	9	2	11.7	57.8	8763	DE
NorthrupKing	NK	N85-F3	39204	75	5	0	38	13.6	61.7	8676	DE
Garst	GA	8285	35719	67	8	1	27	12.4	59.6	7489	EF
Dyna-Gro	DG	53K98	33977	55	8	1	18	11.6	58.8	6036	F
Average			33846	64	22	2	13	12.5	60.0	9861	
Coefficient of Variation			8	0	62	68	118	5	2.7	1.5	9
LSD @ 5%			5909	0	28	2	33	8	0.7	1.8	1944
Probability of Significance			NS	**	**	**	NS	**	**	**	**
Non-additivity									*		

¹Yield adjusted to 15% moisture

