

Field Corn Variety Trial

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Elevation: 4200

Crop History:

Planted: April 5, 1982
Harvested: September 27, 1982
Seeding Rate: 34000 seeds/acre
Previous Crop: Corn
Insecticide: 0.1 lbs per acre (A.I.) Pydrin was applied twice during the growing season.

Weed Control: 1.7 lbs per acre (A.I.) Sutan + and 1 lb per acre (A.I.) Bladex were incorporated by disk prior to planting.

Fertilizer:

Source	Lbs/A	Time of Application	Lbs N/A	Lbs P ₂ O ₅ /A
11-53-0	150	February	17	80
NH ₃	245	March	200	0
UN32	300	July	<u>96</u>	<u>0</u>
		Total	313	80

Plot Size: 24' x 1000' (eight 36" rows)

Company	YIELD (lbs/plot 1/					Average Yield (lbs)	Harvest Moisture (%)	Bushel Weight (lbs)	Yield 2/ (lbs/acre)	3/ Lodging
	Entry	Rep1	Rep2	Rep3	Rep4					
Pioneer	3183	6462	5955	5916	5775	6027	23.2	56	10939a	1
Pioneer	3377	6160	5511		5864	5845	18.6	56	10609ab	1
Cenex	2380	6053	5646	5742	5709	5788	19.7	55	10504ab	1
Northrup King	PX74	5778	5445	6106	5448	5694	18.2	56	10334abc	1
WAC	918	5442	5579	5397	5649	5517	19.3	58	10013 bcd	1
Funk's	G4507	5202	5174	5567	5664	5402	18.9	56	9804 bcde	3
DeKalb	XL71	5791	5095	5256	5316	5365	19.7	57	9737 cde	2
Cenex	2371	5475	5231	5216	5368	5323	17.6	57	9660 cdef	3
Asgrow	RX90	5058	5095	5520	5450	5281	19.2	56	9585 cdef	2
DeKalb	XL74B	5092	4961	5176	5417	5162	20.3	54	9368 defg	3
Funk's	G4673A	5123	4762	5064	5276	5056	21.5	55	9177 efg	2
Northrup King	PX87	4767	4976	4930	5019	4923	19.8	56	8935 fg	3
Asgrow	RX98	5002	4547	4792	4760	4775	17.0	55	8667 g	2

1/ All yield data adjusted to a 15.5% moisture content.

2/ Means followed by the same letter are not significantly different at the .05 level by the Student-Newman Kuel's Test.

3/ Hybrids were divided into 3 groups based on the observations of the combine operator. Group 1 had the least and group 3 the greatest amount of lodging.