

2000 Kings County UCCE Silage Corn Variety Trial

Cooperator: Don Giacomazzi

Harvested by: Danell Bros.

Planted: June 13

Harvested: Sept. 26 @ 105 days

Fertilizer: 35 units N pre-plant; 130 units N sidedressed before 1st irrigation; 30 units N water run in each of 3rd and 4th irrigations for a total of 225 units of commercial N. Dairy lagoon water with some irrigations.

Field has received annual applications of dairy manure solids for many years.

UC Farm Advisor: Carol Collar

UC Field Assistant: Joe Padilla

Site: Corner of 1 1/2 Ave and 198

Plot size: 6- 38"rows X 1230 ft, 3 reps

Company	Brand	Tons/Acre as harvested	% Dry Matter at harvest	Tons/Acre adjusted to 30% DM	Plants per acre	Seedling vigor	Plant height (ft.)	Ear height (ft.)	Ear % DM	Lbs/ear. @ 60% DM
ABI	9696	23.4	39.2	30.4 a	30670	8.3	9.5	4.3	58.1	0.70
Baglietto	5674	27.7	31.6	29.2 ab	27830	9.5	10.8	5.1	53.4	0.70
DeKalb	679	24.4	35.8	29.0 ab	29670	9.3	9.7	4.6	59.6	0.66
DeKalb	697	21.8	39.6	28.7 abc	32500	10.0	9.2	4.2	58.6	0.65
NK	8214	27.6	31.2	28.7 abc	29170	9.2	10.0	4.2	55.1	0.69
Pioneer	3223	25.1	34.1	28.5 abc	29330	9.3	9.3	4.7	57.5	0.66
Germain's	4138	25.6	32.9	28.1 abcd	24670	9.3	9.9	4.3	58.9	0.74
Cargill	9027	24.6	33.9	27.7 bcd	29330	8.7	9.8	4.1	58.6	0.65
Novartis	91-R9	26.8	30.6	27.3 bcde	24170	9.7	10.8	4.9	53.6	0.63
Pioneer	31G98	25.9	30.4	26.2 cdef	26500	9.3	9.3	4.5	57.4	0.70
Southland	1836	30.0	26.2	26.2 cdef	27170	3.7	10.7	5.2	46.6	0.46
NC+	7507	26.5	28.8	25.5 defg	26500	4.7	9.9	4.7	52.7	0.63
Asgrow	938	25.1	29.5	24.7 efg	22330	9.7	9.8	4.6	55.2	0.68
Seedtec	7638	25.2	29.4	24.7 efg	23170	3.3	10.6	5.0	54.1	0.65
Seedtec	7600	21.7	33.8	24.4 fg	28830	5.0	10.9	4.0	54.0	0.60
ABI	9657	19.7	36.3	23.8 fg	22170	3.0	9.3	3.8	57.8	0.74
Dairyland	1020	24.5	28.7	23.4 g	20500	2.3	10.3	4.8	49.6	0.65
SC	1181	20.0	34.9	23.3 g	25330	4.5	9.8	4.3	56.7	0.62
<i>Coefficient of Variation %</i>		6.49	3.45	6.12	11.98	13.81	3.56	8.50	4.35	6.92
<i>LSD (0.05)</i>		2.628	1.839	2.670	5199	1.621	0.581	0.627	3.943	0.073
<i>average of all plots</i>		24.8	32.6	26.7	26490	7.2	10.0	4.5	55.4	0.66

Plants per acre were measured 4 weeks after planting.

A visual assessment of seedling vigor was made 2 weeks after planting. A scale of 1-10 was used with 10 being best.

Ear weights were measured at the west end of the field in all 3 reps. Ten consecutive ears were harvested, weighed and sampled for dry matter.