

Corn Variety Trial in Greenlee County, 1987

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INTRODUCTION

Fifteen varieties of about 125+ day corn hybrids were tested in an ongoing variety trial in Greenlee County.

MATERIALS AND METHODS

Cooperator: Lunt Dairy, Duncan, Az
Elevation: 3800 feet
Previous Crop: Corn
Planting Date: 4 May 1987
Seeding Rate: 26,700 seeds/acre
Herbicide: None
Insecticide: 2 Furadan applications: 8# preplant and #10 at whorl 3-1/2
Fertilizer: 200# N, 150# phosphate (11-53-0), no preplant
Irrigation: 5
Harvest: 24 September 1987

RESULTS

#Var	Yield Average*	Pt/ac	%Bare	ave %ldg	%smt
1 DK672	7145.8	27225	2.2	15.3	0.0
15 DK636	7082.2	26318	0.0	3.5	0.0
7 NK9540	7053.4	25410	0.0	3.2	6.7
8 PAG SX352	7038.7	35393	4.8	21.5	5.6
13 NK X5916	7030.6	29040	0.0	0.0	0.0
11 S7859	6985.8	29040	0.0	0.0	6.3
6 PIO3377	6850.6	33578	5.5	18.6	0.0
5 PIO 3181	6791.7	33578	8.8	20.2	0.0
12 S8505	6749.0	29040	6.3	0.0	0.0
3 DK711	6598.0	30855	0.0	13.2	0.0
10 DP5750	6560.4	29948	5.9	8.8	5.9
9 PMSTR799	6494.9	34485	4.5	21.5	0.0
4 PIO 3183	6260.0	29948	3.1	37.4	0.0
2 DK656	6250.3	42653	12.8	15.9	4.0
14 FNK G485	4934.1	26318	7.0	8.4	18.8

* Yields are adjusted to 10% moisture.

DISCUSSION

Yields were down this year as compared to previous trials. This was probably due to fertilization management which was inconsistent compared to actual corn requirements.

DK656 and PIO3377 yielded significantly higher in last year's trial, but the ground was slightly better last year, also.