

BARLEY VARIETY DEMONSTRATION

Ronald E. Cluff, County Director, Graham County;  
David K. Parsons, Assistant Extension Specialist--Field Testing

Jim Alder

Elevation: 2800 feet

Entry	Ave. <sup>1/</sup> Yield	Ht. <sup>2/</sup> (in)	Bu. Wt. <sup>2/</sup> (lbs)	Yield <sup>3/</sup> (lbs/A)
NK 409	713	24	51	5340 a
Kombar	693	25	50	5190 a
Gus	687	27	52	5140 a
Arivat	684	32	51	5120 a
Kombyne	670	22	51	5010 a

1/ At harvest, moisture content averaged 7%. All yields have been adjusted to a 10% moisture content.

2/ Value indicated is the average for the three replications.

3/ Yields followed by the same letter are not significantly different at the .05 level by the Student-Newman-Keuls' Test.

Crop History:

Planted: December 21, 1979

Harvested: June 9, 1980

Seeding Rate: 200 lbs/A

Previous Crop: Cotton

Herbicide: None

Insecticide: None

Irrigation: An estimated 36 acre inches/A were applied.

Fertilizer:

Source	Lbs/A	Time of Application	Lbs N/A	Lbs P <sub>2</sub> O <sub>5</sub> /A
16-20-0	300	Prior to planting	48	
NH <sub>3</sub>	100	During second irrigation	83	60
		Total	131	60

Soil Analysis: pH= 7.8 (paste with distilled H<sub>2</sub>O);

EC<sub>e</sub> x 10<sup>3</sup>= 4.67 (to convert EC<sub>e</sub> x 10<sup>3</sup> to soluble salts, multiply EC<sub>e</sub> x 10<sup>3</sup> x 700);

Soluble salts= 3269 ppm

N= 35.25 ppm (from CO<sub>2</sub> extraction. Nitrate reported as N. To convert N to NO<sub>3</sub>, multiply Nx4.4);

P= 4.40 ppm (CO<sub>2</sub> extraction. Phosphate reported as P. To convert P to P<sub>2</sub>O<sub>5</sub>, multiply P by 3.1).

Date of Sample: December 21, 1980. (University of Arizona Laboratory)

Plot Size: 458 x 12 feet

Agri-File Field Crops 261.54