

WHEAT DEMONSTRATION

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Dennis Layton Farm

Elevation: 2900 feet

Entry	Ave. Yield <sup>1/</sup> (lbs)	Ht. (in)	Bu. Wt. (lbs)	Yield <sup>2/</sup> (lbs/A)
NK's Probran 771	810	30	61	7740 a
INIA 66(R)	800	33	61	7640 a
NK's Probred	790	28	63	7550 a
Zaragoza	790	33	62	7550 a
Yecora Rojo	780	29	64	7450 a
Shasta	750	40	64	7160 a
Cajeme 71	750	31	63	7160 a
Super X66	730	34	62	6970 a

<sup>1/</sup> All yields adjusted to a 10% moisture content. Harvest moisture for all plots averaged 7%.

<sup>2/</sup> Yields followed by the same letter are not significantly different at the .05 level by the Student-Newman-Keuls' Test.

Crop History:

Planted: January 8, 1980

Harvested: July 2, 1980

Seeding Rate: 200 lbs/A

Previous Crop: Cotton

Insecticide: None

Weed Control: None

Irrigation: After irrigation for germination, plots were watered five times with Gila River water.  
Total for the season was estimated to be 36 acre inches/A.

Fertilizer:

Source	Lbs/A	Time of Application	Lbs N/A	Lbs P <sub>2</sub> O <sub>5</sub> /A
16-20-0	300	January 8	48	60
Urea	150	March 20	68	0
		Total	116	60

Soil Analysis: pH= 7.7 (paste with distilled H<sub>2</sub>O);

EC<sub>e</sub> x 10<sup>3</sup>= 6.04 (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= 4228 ppm

N= 37.5 ppm (from CO<sub>2</sub> extraction. Nitrate reported as N. To convert N to NO<sub>3</sub>, multiply Nx4.4);

P= 0.40 ppm (CO<sub>2</sub> extraction. Phosphate reported as P. To convert P to PO<sub>4</sub>, multiply p by 3.1).

Date of Sample: January 8, 1980. (University of Arizona Laboratory)

Plot Size: 12 x 380 feet

Agri-File Field Crops 254.126