

DURUM WHEAT DEMONSTRATION

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Jerome & Russell Ranch Elevation: 475 feet

Entry	Ave. Yield (lbs)	Harvest ^{1/} Moisture%	Ht. ^{1/} (in)	Bu.Wt. ^{1/} (lbs)	Yield ^{2/} (lbs/A)
Mexicali 75	575	8.0	34	60	3340 a
WPB 1000D	565	8.4	33	56	3280 a
NK's Aldura	526	7.6	28	60	3060 a
Germain's 5003	502	8.2	32	58	2920 a
Jori 69	460	8.5	29	59	2670 a
NK's Produra	403	7.9	32	58	2340 a

^{1/} Figure shown is the average of measurement from four replications.

^{2/} Yields followed by the same letter are not significantly different at the .05 level by the Student-Newman-Keuls' Test. All yields shown have been adjusted to a 10% moisture content.

Crop History:

Planted: December 18, 1979

Harvested: May 30, 1980

Seeding Rate: 150 lbs/A

Previous Crop: Sorghum

Irrigation: Colorado River water was applied in eight irrigations of 4 acre inches/A each.

Fertilizer:

Source	Amount/A	Time of Application	Lbs N/A	Lbs P ₂ O ₅ /A
16-20-0	200 lbs	Prior to planting	32	40
UN 32	10 gal	Each of the first four irrigations	141	
		Total	173	40

Soil Analysis: pH = 8.0 (paste with distilled H₂O);

EC_e x 10³ = 7.14 (to convert EC_e x 10³ to soluble salts, multiply EC_e x 10³ x 700);

Soluble salts = 1092 ppm

N = 6.17 ppm (From CO₂ extraction. Nitrate reported as N. To convert N to NO₃, multiply N x 4.4);

P = 8.5 ppm (CO₂ extraction. Phosphate reported as P. To convert P to PO₄, multiply P by 3.1).

Plot Size: 375 x 20 feet

Date of Sample: December 18, 1979. (University of Arizona Laboratory)

Agri-File Field Crops 254.123