

YIELD AND GRADE

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Jerome & Russell Ranch Elevation: 475 feet

TABLE

Crop History:

Planted: December 18, 1979
Harvested: May 30, 1980
Previous Crop: Sorghum
Seeding Rate: 150 lbs/A
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	—

Soil Analysis: pH = 8.0 (paste water 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).
Date of Sample: December 18, 1979. (University of Arizona Laboratory)
Plot Size: 375 x 20 feet

Agri-File Field Crops 254.131

Entry	Yield ^{1/} (lbs/A)	Grade and Kind ^{2/}	Test ^{2/} Weight (%)	Moisture ^{2/} (%)	Total ^{2/} Damaged Kernels (%)	Total ^{2/} Defects (%)	Hard ^{2/} and Vitreous (%)	Contrasting ^{2/} , ^{3/} Classes (%)	Protein ^{2/} , ^{4/} (%)
Mexicali 75	3340	U.S. No.1 Amber Durum Wheat, Dockage 1.5%	60.4	8.4	0.2	0.6	60		11.7
WPB 1000D	3280	U.S. No.2 Durum Wheat, Dockage 1.0%	59.9	8.3	0.2	0.7	44		11.4
NK's Aldura	3060	U.S. Sample Grade Hard Amber Durum Wheat, Dockage 1.0%	62.0	8.4	0.4	1.3	77		11.8
Germain's 5003	2920	U.S. No.1 Amber Durum Wheat, Dockage 1.5%	60.6	8.2	0.1	1.0	47		11.5
Jori 69	2670	U.S. No.1 Hard Amber Durum Wheat, Dockage 3.5%	61.1	8.4	0.1	0.5	78	0.1	12.4
NK's Produra	2340	U.S. No.1 Durum Wheat, Dockage 1.5%	61.3	8.4	0.0	0.4	59		11.3

^{1/} Yield data and sample for analysis obtained from yield trial detailed in Agri-File Field Crops 254.123.

^{2/} Data from Official Certificate of the State of California, Dept. of Food and Agriculture.

^{3/} Contrasting classes reported are most likely due to retention and mixing within the combine used for harvest.

^{4/} Protein on an as is moisture basis.