

Durum Wheat Variety Demonstration

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Chip Sherrill Mohave County

Elevation: 500 ft.

Crop History:

Planted: January 8, 1981
 Harvested: June 4, 1981
 Seeding Rate: 150 lbs/acre
 Previous Crop: Sorghum
 Fertilizer:

Source	Lbs/acre	Time of Application	Lbs N/acre	Lbs P ₂ O ₅ /acre
NH ₃	65	Jan. 7, 1981	54	-
11-48-0	245	Jan. 9, 1981	27	118
NH ₃	40	Feb. 19	33	-
NH ₃	40	Feb. 26	33	-
		total	147	118

Irrigation: (Includes leaching)

Date	Amount (Acre inches/acre)
Jan. 17	7.5
Feb. 19	7.5
Feb. 26	6.0
March 25	6.0
April 9	6.5
April 25	6.0
May 7	5.5
Total	45.0

Plot Size: 14.5' x 900 feet

Soil Analysis: pH = 7.9 (paste with distilled H₂O);
 EC_e x 10³ = 5.78 (to convert EC_e x 10³ to soluble salts, multiply EC_e x 10³ x 700)
 Soluble salts = 4046 ppm
 N = 27.80 ppm (From CO₂ extraction. Nitrate reported as N. To convert N to NO₃, multiply N x 4.4).²
 P = 1.35 ppm (CO₂ extraction. Phosphate reported as P. To convert P to PO₄, multiply P by 3.1).
 Date of Sample: Jan. 8, 1981 (University of Arizona Laboratory)

Entry	Yield (lbs/plot) ^{1/}			Ave.	Ht. (in)	Bu.wt. (lbs)	Lodging (%)	Yield ^{2/} (lbs/A)
	Rep 1	Rep 2	Rep 3					
1000D	1890	1590	1560	1680	27	59	0	5610a
NK Aldura	1620	1670	1560	1620	24	64	0	5410a
Mexicali C75	1550	1610	1470	1540	29	62	30	5140a
Gem	1620	1510	1480	1535	26	62	20	5120a
Germaines 5003	1380	1590	1470	1480	27	62	25	4940ab
NK Produra	1320	1440	-	1380	28	62	0	4610ab
Jori 69	1180	1340	1280	1270	24	62	0	4240 b

^{1/}All yields adjusted to a 10% moisture content.

^{2/}Yields followed by the same letter are not significantly different at the .05 level by the Student-Newman-Keuls' Test.