

Durum Wheat Variety Demonstration

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Sun Harvest Yuma County

Elevation: 300 ft.

Crop History:

Planted: December 29, 1980

Harvested: June 9, 1981

Seeding Rate: 175 lbs/acre

Previous Crop: Sorghum

Herbicide: Buctril at the rate of 1 qt/acre (½ lb/acre active ingredient) was applied February 14, 1981. On February 18, 1981 2 quarts/acre (1 lb. active ingredient per acre) Carbyne was applied.

| Irrigation | Date | Amount (Acre inches/acre) |
|------------|----------|---------------------------|
| | 12/28/80 | 6.1 |
| | 2/7/81 | 6.1 |
| | 2/26/81 | 1.1 |
| | 3/12/81 | 4.9 |
| | 3/20/81 | 1.0 |
| | 4/3/81 | 6.0 |
| | 4/26/81 | 7.7 |
| | 5/13/81 | 8.2 |
| | Total | 41.1 |

| Fertilizer | Time of Application | Lbs N/A | Lbs P ₂ O ₅ /A |
|-----------------|---------------------|---------|--------------------------------------|
| 11-48-0 | 12-28-80 | 25 | 64 |
| NH ₃ | 1-6-81 | 40 | |
| Urea | 2-7-81 | 67 | |
| NH ₃ | 2-13-81 | 24 | |
| NH ₃ | 3-17-81 | 38 | |
| NH ₃ | 4-7-81 | 39 | |
| NH ₃ | 4-29-81 | 40 | |
| | Total | 273 | 64 |

Soil Type: Sandy loam
Plot Size: 12 x 640 feet

| Entry | Yield (lbs/plot) ^{1/} | | | | Ave Yield (lbs) | Bu Wt (lbs) | Lodging (%) | Yield ^{2/} (lbs/A) |
|--------------|--------------------------------|-------|-------|-------|-----------------|-------------|-------------|-----------------------------|
| | Rep 1 | Rep 2 | Rep 3 | Rep 4 | | | | |
| WPB 1000D | 1390 | 1420 | 1360 | 1460 | 1410 | 60 | 0 | 8000 |
| Germain 5003 | 1300 | 1300 | -- | 1400 | 1350 | 62 | 5 | 7660 |
| Mexical C75 | 1340 | 1340 | 1350 | 1380 | 1350 | 62 | 20 | 7660 |
| NK's Aldura | 1300 | 1390 | 1330 | 1240 | 1320 | 62 | 5 | 7490 |
| H&H Gem | 1290 | 1240 | -- | 1350 | 1290 | 64 | 25 | 7320 |
| Jori 69 | 1140 | 1040 | 1130 | 1080 | 1100 | 62 | 15 | 6240 |
| NK's Produra | 1040 | 1140 | 1100 | 1060 | 1080 | 62 | 15 | 6130 |

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

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