

**Dryland Wheat Variety Trial, NMSU Agricultural Science Center at Clovis, 2006**

**Investigators:** R.E. Kirksey, M.A. Marsalis, A. Scott, N. Pryor, and C. Werner

**Test Description**

<b>Location:</b>	<b>Management Practices:</b>	<b>Growing Conditions:</b>																																																													
County/Area: Curry Longitude: -103.22 Latitude: 34.60 Elevation: 4435 ft. Soil Name: Olton Soil Texture: clay loam Soil Depth: >60 in.	Previous Crop: Fallow Planting Date: 14-Oct Harvest Date: 8-Jun  <hr/> <b>Production Inputs</b> <hr/> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 10%; text-align: center;">Rate</th> <th style="width: 10%; text-align: center;">Date</th> </tr> </thead> <tbody> <tr> <td>Fertilizer:</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">None</td> <td></td> <td></td> </tr> <tr> <td>Herbicides:</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">None</td> <td></td> <td></td> </tr> <tr> <td>Insecticides:</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">None</td> <td></td> <td></td> </tr> </tbody> </table>		Rate	Date	Fertilizer:			None			Herbicides:			None			Insecticides:			None			<hr/> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%; text-align: center;">Average Temp. °F</th> <th style="width: 20%; text-align: center;">Precip. in.</th> <th style="width: 30%; text-align: center;">Irrigation in.</th> </tr> </thead> <tbody> <tr><td>October</td><td style="text-align: center;">58.1</td><td style="text-align: center;">0.85</td><td style="text-align: center;">-</td></tr> <tr><td>November</td><td style="text-align: center;">49.9</td><td style="text-align: center;">0.00</td><td style="text-align: center;">-</td></tr> <tr><td>December</td><td style="text-align: center;">39.4</td><td style="text-align: center;">0.00</td><td style="text-align: center;">-</td></tr> <tr><td>January</td><td style="text-align: center;">42.8</td><td style="text-align: center;">0.00</td><td style="text-align: center;">-</td></tr> <tr><td>February</td><td style="text-align: center;">40.9</td><td style="text-align: center;">0.09</td><td style="text-align: center;">-</td></tr> <tr><td>March</td><td style="text-align: center;">48.0</td><td style="text-align: center;">0.61</td><td style="text-align: center;">-</td></tr> <tr><td>April</td><td style="text-align: center;">59.8</td><td style="text-align: center;">0.25</td><td style="text-align: center;">-</td></tr> <tr><td>May</td><td style="text-align: center;">68.5</td><td style="text-align: center;">0.56</td><td style="text-align: center;">-</td></tr> <tr><td>June</td><td style="text-align: center;">76.0</td><td style="text-align: center;">0.67</td><td style="text-align: center;">-</td></tr> </tbody> </table> <hr/> Seasonal Precipitation      3.0 in.		Average Temp. °F	Precip. in.	Irrigation in.	October	58.1	0.85	-	November	49.9	0.00	-	December	39.4	0.00	-	January	42.8	0.00	-	February	40.9	0.09	-	March	48.0	0.61	-	April	59.8	0.25	-	May	68.5	0.56	-	June	76.0	0.67	-
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<b>Test Design:</b> Replications: 3 Plot Length: 25 ft. Plot Width: 75 in. Rows per Plot: 11 Drill Row Spacing: 5.5 in. Seeding Rate: 45 lb/ac																																																															

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Variety Name	Grain Yield <sup>1</sup> bu/a	Bushel Weight lb/bu	Harvest Moisture %	Plant Height in	Head Date date
TX00V1117	33.4 ***	56.3	8.1 ***	22.8 ***	4/26 *
TAM 112	27.3 *	56.8	7.9 *	21.7 *	4/19
Guymon	24.9	57.7	7.8 *	18.9	4/24
Hatcher	24.7	59.1	7.7	18.0	4/23
Blend	24.5	59.6	7.6	20.9 *	4/21
T81	24.0	59.6	7.6	18.6	4/20
TAM 111	23.4	59.4	7.8 *	20.9 *	4/24 *
KS03HW158	23.0	61.6 ***	8.1 ***	17.5	4/25 *
TAM 110	21.6	58.4	7.4	18.0	4/19
KS00F5-14-7	21.4	57.4	7.5	18.9	4/21
TAM 303	19.9	58.8	7.6	17.7	4/21
TAM 105	19.7	58.8	7.6	18.0	4/23
AP502 CL	19.7	57.7	7.5	19.9	4/20
Jagelene	19.6	60.6	7.8 *	20.2	4/22
OK93P656H3299-2C04	19.5	57.0	7.6	18.6	4/24
TAM W 101	18.7	59.0	7.9 *	19.2	4/21
Sturdy 2K	18.2	54.3	7.4	19.4	4/24 *
Bullet	18.1	58.5	7.6	19.8	4/21
Endurance	17.9	59.9	8.0 *	18.8	4/23
Dumas	17.7	59.5	7.4	20.3 *	4/24 *
TX01V6008	17.6	59.2	7.4	16.1	4/23
Santa Fe	17.5	57.6	7.0	16.9	4/21
OK01307	17.4	59.2	7.8 *	19.0	4/23
Jagger	17.4	58.2	7.5	20.1	4/21
AP03T6126	17.2	59.9	7.6	16.7	4/22
Keota	17.1	59.6	7.8 *	19.0	4/25 *
Cutter	16.5	59.1	7.9 *	21.4 *	4/25 *
Overley	16.5	59.3	7.6	20.5 *	4/22
Coronado	16.5	57.0	7.2	18.2	4/21
AP03TA7525	16.1	55.1	8.1 ***	20.5 *	4/27 ***
Fannin	15.6	55.1	7.7	18.9	4/23
TX01A5936	15.6	60.1	7.9 *	20.7 *	4/22
Ogallala	14.6	59.2	7.6	16.1	4/25 *
AP02T4342	14.6	60.1	7.8 *	17.5	4/22
Longhorn	14.5	58.1	7.6	19.4	4/24 *
TX01D3232	14.4	55.8	7.4	16.7	4/21
AP03T6115	14.0	56.7	7.3	18.8	4/25 *
Deliver	12.6	59.6	7.7 *	17.2	4/20
Neosho	11.4	58.9	7.7	16.9	4/24
TX01V5314	11.4	56.3	7.3	16.5	4/23
Trial Mean	18.6	58.4	7.6	18.9	4/22
LSD (P> 0.05)	7.2	ns	0.4	2.6	3.0
CV	23.66	4.35	3.27	8.49	1.62
F Test	<.0001	0.2056	<.0001	<.0001	<.0001

<sup>1</sup>Yields adjusted to 60 lb standard bushel weight and 13.5 % moisture.

\*\*\* Highest numerical value in the column.

\* Not significantly different from the highest numerical value in the column based on the 5% LSD.