

**Dryland Wheat Variety Trial, NMSU Agricultural Science Center at Clovis, 2007**

**Investigators:** R.E. Kirksey, M.A. Marsalis, A. Scott, N. Pryor, and B. Niece

**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: 13-Oct Harvest Date: 21-Jun  <b>Production Inputs</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Rate</th> <th style="text-align: center;">Date</th> </tr> </thead> <tbody> <tr> <td colspan="3"><b>Fertilizer:</b></td> </tr> <tr> <td style="padding-left: 20px;">Nitrogen</td> <td style="text-align: center;">131 lb/ac</td> <td style="text-align: center;">Carryover</td> </tr> <tr> <td style="padding-left: 20px;">P2O5</td> <td style="text-align: center;">36 lb/ac</td> <td style="text-align: center;">Carryover</td> </tr> <tr> <td colspan="3"><b>Herbicides:</b></td> </tr> <tr> <td style="padding-left: 20px;">Express</td> <td style="text-align: center;">0.16 oz/ac</td> <td style="text-align: center;">9-Mar</td> </tr> <tr> <td style="padding-left: 20px;">Weedone LV6</td> <td style="text-align: center;">0.5 pt/ac</td> <td style="text-align: center;">9-Mar</td> </tr> <tr> <td colspan="3"><b>Insecticides:</b></td> </tr> <tr> <td></td> <td style="text-align: center;">None</td> <td></td> </tr> </tbody> </table>		Rate	Date	<b>Fertilizer:</b>			Nitrogen	131 lb/ac	Carryover	P2O5	36 lb/ac	Carryover	<b>Herbicides:</b>			Express	0.16 oz/ac	9-Mar	Weedone LV6	0.5 pt/ac	9-Mar	<b>Insecticides:</b>				None		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Average Temp. °F</th> <th style="text-align: center;">Precip. in.</th> <th style="text-align: center;">Irrigation in.</th> </tr> </thead> <tbody> <tr><td>October</td><td style="text-align: center;">54.6</td><td style="text-align: center;">1.80</td><td style="text-align: center;">-</td></tr> <tr><td>November</td><td style="text-align: center;">47.0</td><td style="text-align: center;">0.10</td><td style="text-align: center;">-</td></tr> <tr><td>December</td><td style="text-align: center;">36.2</td><td style="text-align: center;">1.20</td><td style="text-align: center;">-</td></tr> <tr><td>January</td><td style="text-align: center;">29.6</td><td style="text-align: center;">0.90</td><td style="text-align: center;">-</td></tr> <tr><td>February</td><td style="text-align: center;">40.0</td><td style="text-align: center;">0.20</td><td style="text-align: center;">-</td></tr> <tr><td>March</td><td style="text-align: center;">49.2</td><td style="text-align: center;">3.70</td><td style="text-align: center;">-</td></tr> <tr><td>April</td><td style="text-align: center;">50.9</td><td style="text-align: center;">0.20</td><td style="text-align: center;">-</td></tr> <tr><td>May</td><td style="text-align: center;">65.5</td><td style="text-align: center;">2.40</td><td style="text-align: center;">-</td></tr> <tr><td>June</td><td style="text-align: center;">70.3</td><td style="text-align: center;">3.90</td><td style="text-align: center;">-</td></tr> <tr> <td colspan="2">Seasonal Precipitation</td> <td style="text-align: center;">14.3 in.</td> <td></td> </tr> </tbody> </table>		Average Temp. °F	Precip. in.	Irrigation in.	October	54.6	1.80	-	November	47.0	0.10	-	December	36.2	1.20	-	January	29.6	0.90	-	February	40.0	0.20	-	March	49.2	3.70	-	April	50.9	0.20	-	May	65.5	2.40	-	June	70.3	3.90	-	Seasonal Precipitation		14.3 in.	
	Rate	Date																																																																							
<b>Fertilizer:</b>																																																																									
Nitrogen	131 lb/ac	Carryover																																																																							
P2O5	36 lb/ac	Carryover																																																																							
<b>Herbicides:</b>																																																																									
Express	0.16 oz/ac	9-Mar																																																																							
Weedone LV6	0.5 pt/ac	9-Mar																																																																							
<b>Insecticides:</b>																																																																									
	None																																																																								
	Average Temp. °F	Precip. in.	Irrigation in.																																																																						
October	54.6	1.80	-																																																																						
November	47.0	0.10	-																																																																						
December	36.2	1.20	-																																																																						
January	29.6	0.90	-																																																																						
February	40.0	0.20	-																																																																						
March	49.2	3.70	-																																																																						
April	50.9	0.20	-																																																																						
May	65.5	2.40	-																																																																						
June	70.3	3.90	-																																																																						
Seasonal Precipitation		14.3 in.																																																																							
<b>Test Design:</b> Replications: 3 Planted Plot Length: 18.1 ft. Harvested Plot Length: 14 ft. Plot Width: 75 in. Rows per Plot: 11 Drill Row Spacing: 5.5 in. Seeding Rate: 50 lb/ac																																																																									

**Dryland Wheat Variety Trial, NMSU Agricultural Science Center at Clovis, 2007**

Variety Name	Owner	Grain Yield <sup>1</sup> bu/a	Bushel Weight lb/bu	Harvest Moisture %	Plant Height in	Lodging %	Head Date date
Hatcher	CSU	80.4 ***	61.4 *	10.6	29.0	0	5/2
TAM 112	TAMU	79.1 *	62.2 *	10.3	29.4	2	4/27
Jagalene	AP	75.0 *	61.2 *	10.9	29.9	2	5/3
TAM 110	TAMU	74.6 *	59.7	9.6	27.2	0	4/30
Jagger	KSU	74.5 *	61.4 *	10.2	30.5 *	0	4/29
Dumas	AP	73.6 *	62.0 *	10.4	27.8	0	5/3
Fuller	KSU	72.5	60.5	10.0	29.9	0	4/30
TAM 110 (low Test Wt)		72.4	60.5	10.1	28.6	0	4/30
TAM 111	TAMU	72.4	61.9 *	11.7 *	31.0 *	0	5/3
Santa Fe	WestBred	70.8	61.2 *	10.1	28.4	0	4/30
Blend (TAM112, TAM 111, Jagelene)		70.0	62.4 *	10.9	29.0	0	4/29
Aspen (white)	WestBred	69.7	58.5	9.3	24.7	0	4/29
TXV5314	TAMU	69.3	59.4	9.9	27.3	0	4/30
Endurance	OSU	68.7	61.6 *	11.0	29.8	0	5/2
Shocker	WestBred	68.7	60.1	9.8	27.6	0	4/30
AP 04T8211	AP	68.7	61.2 *	10.4	26.5	0	4/26
TXV6008	TAMU	68.2	61.9 *	10.4	28.4	0	5/2
Duster	OSU	67.7	60.1	10.3	28.7	0	5/3
TAM 304	TAMU	67.7	60.5	10.2	26.1	0	4/30
TX99A0153-1	TAMU	67.6	60.1	10.4	27.3	0	5/1
Keota	WestBred	66.5	59.1	10.9	32.3 ***	0	5/1
Bullet	OSU	66.3	62.3 *	10.6	30.3	0	4/30
Fannin	AP	66.1	61.5 *	11.3	29.3	0	4/30
TX01A5936	TAMU	66.0	61.8 *	9.4	30.7 *	5 ***	4/30
Coronado	AP	65.4	61.0 *	10.3	25.9	0	5/1
Overley	KSU	65.1	61.6 *	10.0	29.0	2	4/30
T81	Trio	65.1	60.8	10.7	28.7	0	4/30
RonL	KSU	63.7	59.3	10.6	25.6	0	5/2
Neosho	AP	63.4	58.4	10.5	26.5	0	5/2
Guymon	OSU	63.3	62.7 ***	10.5	25.3	0	5/7 ***
Deliver	OSU	63.1	57.0	10.2	30.5 *	0	5/2
Doans	AP	62.8	61.4 *	10.7	28.4	0	4/30
Cutter	AP	62.1	61.2 *	10.8	28.0	2	5/3
TAM 105	TAMU	62.0	60.0	10.5	29.0	0	5/3
TXM1096	TAMU	61.4	58.4	10.3	29.4	0	4/30
Kojack (AP7525)	AP	60.9	57.2	12.7 ***	28.5	0	5/6 *
Sturdy 2K	TAMU	58.3	59.5	10.4	31.4 *	0	5/3
Longhorn	AP	58.0	58.4	11.9 *	30.6 *	0	5/2
AP 04TA9029	AP	57.0	60.9	11.2	30.1	2	5/3
TAM W101	TAMU	53.4	59.0	11.0	26.9	0	5/2
Trial Mean		67.0	60.5	10.5	28.6	0.3	5/1
LSD (P> 0.05)		7.8	1.7	1.4	1.9	1.65	2.9
CV		7.11	1.77	7.91	4.08	304.61	1.44
F Test		<.0001	<.0001	0.0157	<.0001	0.0002	<.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.