

Irrigated Wheat Variety Trial, NMSU Agricultural Science Center at Clovis, 2010

Variety Name	Owner	Grain Yield ¹ bu/a	Bushel Weight lb/bu	Harvest Moisture %	Plant Height in	Lodging %	Head Date date
TAM 111	Texas AgriLife	118.1 ***	62.2 ***	11.2	37.9 *	0.0	5/9 ***
Billings	OSU	114.9 *	61.4 *	11.2	36.9	0.0	5/6
Bill Brown	CSU	108.5	58.3	11.1	34.1	0.0	5/8 *
Winterhawk	WestBred	107.3	59.3	11.2	37.7 *	0.0	5/7
Duster	OSU	107.2	59.7	10.9	37.5	0.0	5/8 *
TAM 203	Texas AgriLife	106.2	55.7	9.9	36.4	0.0	5/8 *
TAM 112	Texas AgriLife	105.3	61.1 *	11.2	35.7	0.0	5/3
Hatcher	CSU	105.3	58.1	10.8	36.3	0.0	5/6
Art	AgriPro	105.0	59.7	11.1	37.5	0.0	5/6
Jagalene	AgriPro	103.8	59.4	11.2	37.0	0.0	5/8 *
AP00x0100-51	AgriPro	102.6	61.0 *	10.8	34.0	0.0	5/5
AP503CL	AgriPro	101.6	60.6 *	11.2	33.3	0.0	5/8 *
TAM 304	Texas AgriLife	100.3	58.9	10.4	33.1	0.0	5/6
Fuller	KSU	99.6	59.5	10.8	35.0	0.0	5/5
Armour	WestBred	99.1	59.0	10.4	32.4	0.0	5/5
OK05212	OSU	98.2	59.5	10.8	36.2	0.0	5/8 *
AP06T3832	AgriPro	97.6	56.9	10.2	35.1	0.0	5/7
Mace	Nebraska	97.5	57.3	10.4	34.5	0.0	5/9 *
T197	Trio	96.4	58.8	10.4	37.0	0.0	5/6
TX02A0252	Texas AgriLife	96.3	59.5	11.4	34.9	0.0	5/8 *
OK05511	OSU	96.2	60.1	10.9	37.4	0.0	5/8 *
T136	Trio	95.2	58.3	10.6	34.4	0.0	5/4
Doans	AgriPro	94.6	60.0	11.3	36.1	0.0	5/6
TX06A001263	Texas AgriLife	94.0	58.5	10.7	33.9	0.0	5/6
Endurance	OSU	93.9	58.5	11.0	38.6 *	0.0	5/8 *
Santa Fe	WestBred	93.9	59.0	10.4	34.6	0.0	5/3
Pete	OSU	92.8	57.8	10.8	33.7	0.0	5/3
TX05A001822	Texas AgriLife	92.4	59.0	10.7	35.0	0.0	5/6
T81	Trio	92.1	60.0	10.8	37.3	0.0	5/6
TAM W-101	Texas AgriLife	91.4	60.2	10.8	32.8	0.0	5/7
Bullet	OSU	91.4	61.8 *	11.1	38.9 *	0.0	5/7
AP06T3621	AgriPro	90.2	58.6	10.9	39.3 ***	0.0	5/8 *
Jagger	KSU	88.7	59.6	10.7	36.5	0.0	5/5
Art	AgriPro	87.3	58.1	10.6	34.0	0.0	5/2
Dumas	AgriPro	87.2	59.1	10.9	35.3	0.0	5/7
OK05526	OSU	85.9	58.5	10.7	37.8 *	0.0	5/6
Shocker	WestBred	84.2	58.9	10.3	35.4	0.0	5/4
TAM 401	Texas AgriLife	83.1	55.1	10.1	35.6	0.0	5/4
CJ	AgriPro	82.7	58.7	10.8	37.1	0.0	5/4
Fannin	AgriPro	74.3	59.2	11.9 ***	37.3	0.0	5/6
Trial Mean		96.6	59.1	10.8	35.8	0.0	6-May
LSD (P> 0.05)		7.2	1.9	0.3	1.7		1.9
CV		4.56	2.01	1.70	2.91		0.92
F Test		<.0001	<.0001	<.0001	<.0001		<.0001

¹Yields 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.

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

Test Description

Location:	Management Practices:	Growing Conditions:																																																				
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: 29-Jun Production Inputs <table border="1"> <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">Fertilizer:</td> </tr> <tr> <td>N</td> <td style="text-align: center;">48 lb/ac</td> <td style="text-align: center;">carryover</td> </tr> <tr> <td>N</td> <td style="text-align: center;">62 lb/ac</td> <td style="text-align: center;">26-Feb</td> </tr> </tbody> </table> Herbicides: Weedone LV6 10 oz/ac 13-Mar Affinity BS 0.6 oz/ac 13-Mar Insecticides: Lorsban 1 pt/ac 13-Mar		Rate	Date	Fertilizer:			N	48 lb/ac	carryover	N	62 lb/ac	26-Feb	<table border="1"> <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;">52.4</td><td style="text-align: center;">2.38</td><td style="text-align: center;">0.5</td></tr> <tr><td>November</td><td style="text-align: center;">46.2</td><td style="text-align: center;">0.17</td><td style="text-align: center;">0.3</td></tr> <tr><td>December</td><td style="text-align: center;">33.1</td><td style="text-align: center;">0.18</td><td style="text-align: center;">-</td></tr> <tr><td>January</td><td style="text-align: center;">36.6</td><td style="text-align: center;">1.12</td><td style="text-align: center;">-</td></tr> <tr><td>February</td><td style="text-align: center;">34.9</td><td style="text-align: center;">1.10</td><td style="text-align: center;">0.3</td></tr> <tr><td>March</td><td style="text-align: center;">46.1</td><td style="text-align: center;">1.75</td><td style="text-align: center;">-</td></tr> <tr><td>April</td><td style="text-align: center;">56.3</td><td style="text-align: center;">1.56</td><td style="text-align: center;">3.4</td></tr> <tr><td>May</td><td style="text-align: center;">63.0</td><td style="text-align: center;">2.34</td><td style="text-align: center;">4.5</td></tr> <tr><td>June</td><td style="text-align: center;">77.8</td><td style="text-align: center;">2.51</td><td style="text-align: center;">2.4</td></tr> </tbody> </table> Seasonal Precipitation 13.1 in. Total Irrigation 14.4 in.		Average Temp. °F	Precip. in.	Irrigation in.	October	52.4	2.38	0.5	November	46.2	0.17	0.3	December	33.1	0.18	-	January	36.6	1.12	-	February	34.9	1.10	0.3	March	46.1	1.75	-	April	56.3	1.56	3.4	May	63.0	2.34	4.5	June	77.8	2.51	2.4
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Test Design: Replications: 3 Planted Plot Length: 19 ft. Harvested Plot Length: 12 ft. Plot Width: 75 in. Rows per Plot: 11 Drill Row Spacing: 5.5 in. Seeding Rate: 72 lb/ac																																																						