

Irrigated Wheat Variety Trial, NMSU Agricultural Science Center at Clovis, 2011

Variety Name	Owner	Grain Yield ¹	Bushel Weight	Harvest Moisture	Plant Height	Lodging	Head Date
		bu/a	lb/bu	%	in	%	date
TAM 111	TAMU	84.8 ***	62.9	7.4 ***	39.5 ***	0.0	4/30
OK07209	OSU	73.2	63.7 *	7.2 *	35.9	0.0	4/30
Winterhawk	Westbred	71.8	61.8	7.1 *	37.0 *	0.0	4/30
Duster	OSU	71.6	62.3	6.9	38.2 *	0.0	5/1
Cedar HV9W96-1383R	Westbred	70.5	62.1	6.9	32.6	0.0	4/25
OK05212	OSU	68.9	62.3	6.8	33.1	0.0	4/28
Greer	Syngenta	68.2	59.9	6.3	34.5	0.0	5/1
TX02A0252 - New Label	TAMU	68.1	64.2 ***	7.2 *	33.7	0.0	4/30
Bill Brown	CSU	67.8	63.0	7.1 *	32.8	0.0	4/30
Hatcher	CSU	67.3	62.3	7.0 *	35.6	3.3 ***	4/27
TAM 112	TAMU	65.8	63.2 *	6.8	35.6	0.0	4/24
AP 503 CL	Syngenta	64.8	62.9	6.8	31.6	0.0	5/2
OK07214	OSU	64.8	63.4 *	7.1 *	34.0	0.0	4/28
Armour	Westbred	64.3	62.3	6.7	32.0	0.0	4/24
TX05A001188	TAMU	62.8	62.9	6.9	36.3	0.0	4/26
TAM 304	TAMU	62.7	61.5	6.6	31.0	0.0	4/25
T136	Trio	62.3	61.6	6.8	35.4	0.0	4/27
Jagalene	Syngenta	61.5	63.1	6.9	35.3	0.0	4/30
AP08T6224	Syngenta	59.4	62.2	6.5	31.9	0.0	4/25
Mace	Nebraska	58.6	62.5	6.7	33.1	0.0	5/1
Bullet	OSU	58.6	62.1 *	6.7	35.7	0.0	5/4
Santa Fe	Westbred	58.2	62.5	7.1 *	34.9	0.0	4/26
Billings	OSU	58.2	63.2	6.8	35.2	0.0	4/26
AP08T5913	Syngenta	56.5	62.5	6.8	36.2	0.0	5/3
Jagger	KSU	55.8	61.6	6.6	34.9	0.0	4/28
TAM 203	TAMU	55.4	60.3	6.4	32.7	0.0	4/28
T197	Trio	55.2	61.0	6.7	37.5 *	0.0	4/28
TX06A001263	TAMU	54.4	62.7	6.7	33.5	0.0	4/27
Fuller	KSU	52.7	61.7	7.0 *	34.6	0.0	4/28
Pete	OSU	52.5	60.9	6.8	33.2	0.0	4/24
TAM W-101	TAMU	51.2	60.9	6.8	31.5	0.0	4/26
TX06A001281	TAMU	51.0	61.3	6.5	33.3	0.0	4/24
APH09T1122	Syngenta	50.4	63.3 *	6.9	34.1	0.0	4/26
Endurance	OSU	49.3	61.6	6.9	35.4	0.0	5/24 ***
Jackpot	Syngenta	48.1	62.8	6.1	34.4	0.0	4/25
AP08TA6927	Syngenta	47.3	61.4	6.8	37.3 *	0.0	4/30
Shocker	Westbred	46.1	59.9	6.1	34.6	0.0	4/25
Fannin	Syngenta	45.6	63.5 *	7.0 *	38.1 *	0.0	4/25
Doans	AgriPro	44.9	63.3 *	7.0 *	35.3	0.0	4/26
TAM 401	TAMU	39.6	59.7	6.5	34.5	0.0	4/29
Trial Mean		59.2	62.2	6.8	34.6	0.1	28-Apr
LSD (P> 0.05)		11.1	1.1	0.4	3.2	1.5	12.4
CV		11.6	1.0	3.5	5.6	1095.4	6.3
F Test		<.0001	<.0001	<.0001	<.0001	0.4887	0.2325

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: 20-Nov Harvest Date: 27-Jun Production Inputs <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">Fertilizer:</td> </tr> <tr> <td>N</td> <td>57 lb/ac</td> <td>carryover</td> </tr> <tr> <td>N</td> <td>12 lb/ac</td> <td>pre-plant</td> </tr> <tr> <td>P</td> <td>4 lb/ac</td> <td>pre-plant</td> </tr> <tr> <td>Zn</td> <td>2 qt/ac</td> <td>pre-plant</td> </tr> <tr> <td>N</td> <td>32 lb/ac</td> <td>8-Mar</td> </tr> <tr> <td>S</td> <td>6 lb/ac</td> <td>8-Mar</td> </tr> <tr> <td>N</td> <td>30 lb/ac</td> <td>25-Mar</td> </tr> <tr> <td>S</td> <td>5 lb/ac</td> <td>25-Mar</td> </tr> </tbody> </table> Herbicides: Weedone LV6 8 oz/ac 19-Mar Affinity BS 0.6 oz/ac 19-Mar Insecticides: Lorsban 1 pt/ac 19-Mar		Rate	Date	Fertilizer:			N	57 lb/ac	carryover	N	12 lb/ac	pre-plant	P	4 lb/ac	pre-plant	Zn	2 qt/ac	pre-plant	N	32 lb/ac	8-Mar	S	6 lb/ac	8-Mar	N	30 lb/ac	25-Mar	S	5 lb/ac	25-Mar	<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;">52.4</td> <td style="text-align: center;">0.9</td> <td style="text-align: center;">-</td> </tr> <tr> <td>November</td> <td style="text-align: center;">46.2</td> <td style="text-align: center;">0.3</td> <td style="text-align: center;">0.6</td> </tr> <tr> <td>December</td> <td style="text-align: center;">33.1</td> <td style="text-align: center;">-</td> <td style="text-align: center;">1.0</td> </tr> <tr> <td>January</td> <td style="text-align: center;">36.6</td> <td style="text-align: center;">-</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;">0.3</td> <td style="text-align: center;">1.3</td> </tr> <tr> <td>March</td> <td style="text-align: center;">46.1</td> <td style="text-align: center;">-</td> <td style="text-align: center;">3.3</td> </tr> <tr> <td>April</td> <td style="text-align: center;">56.3</td> <td style="text-align: center;">-</td> <td style="text-align: center;">7.3</td> </tr> <tr> <td>May</td> <td style="text-align: center;">63.0</td> <td style="text-align: center;">-</td> <td style="text-align: center;">8.6</td> </tr> <tr> <td>June</td> <td style="text-align: center;">77.8</td> <td style="text-align: center;">1.5</td> <td style="text-align: center;">3.5</td> </tr> </tbody> </table> Seasonal Precipitation 2.9 in. Total Irrigation 25.5 in.		Average Temp. °F	Precip. in.	Irrigation in.	October	52.4	0.9	-	November	46.2	0.3	0.6	December	33.1	-	1.0	January	36.6	-	-	February	34.9	0.3	1.3	March	46.1	-	3.3	April	56.3	-	7.3	May	63.0	-	8.6	June	77.8	1.5	3.5
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Test Design: Replications: 3 Planted Plot Length: 20 ft. Harvested Plot Length: 20 ft. Plot Width: 75 in. Rows per Plot: 11 Drill Row Spacing: 6.25 in. Seeding Rate: 72 lb/ac																																																																								