

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

Variety Name	Owner	Grain Yield ¹ bu/a	Bushel Weight lb/bu	Harvest Moisture %	Plant Height in	Lodging %	Head Date date
TAM 112	TAMU	21.2 ***	61.5 *	7.1	20.6 ***	1.7	4/16
TX02A0252	TAMU	20.8 *	62.1 *	7.8 *	18.1	3.0	4/21
OK07209	OSU	18.6 *	62.0 *	7.5	16.9	4.0	4/21
TAM 111	TAMU	17.7	62.3 ***	7.4	18.5	4.3	4/21
Armour	Westbred	17.5	60.3	6.6	17.1	0.0	4/16
TX05A001188	TAMU	17.4	60.8	6.7	18.5	2.7	4/20
Hatcher	CSU	17.2	61.6 *	7.3	17.5	2.0	4/20
Duster	OSU	16.9	61.2	7.2	17.5	8.3	4/21
APH09T1122	Syngenta	16.5	61.0	7.2	19.8 *	1.3	4/19
Santa Fe	Westbred	16.5	59.8	6.5	18.5	0.7	4/18
AP08T6224	Syngenta	16.0	60.4	6.8	18.2	0.0	4/18
AP08TA6927	Syngenta	16.0	60.1	7.5	19.4 *	1.3	4/28 ***
AP08T5913	Syngenta	15.8	61.0	6.8	18.6	4.0	4/27 *
Winterhawk	Westbred	15.8	60.8	7.9 ***	18.1	4.7	4/19
AP 503 CL	Syngenta	15.7	61.6 *	7.0	17.6	3.3	4/20
TAM W-101	TAMU	15.6	59.5	7.0	17.9	2.7	4/19
Endurance	OSU	15.5	60.9	7.4	19.3 *	1.3	4/20
OK05212	OSU	15.4	60.5	7.1	17.2	8.3	4/21
Jackpot	Syngenta	15.1	58.8	6.8	17.9	1.7	4/17
Mace	Nebraska	15.0	60.1	6.9	17.2	1.0	4/20
Fuller	KSU	14.9	60.0	6.9	18.9 *	4.7	4/20
Jagalene	Syngenta	14.7	60.5	6.9	17.9	3.0	4/20
T136	Trio	14.3	60.2	6.9	19.7 *	3.3	4/18
Fannin	Syngenta	14.2	61.5 *	7.4	18.1	1.7	4/22
Doans	AgriPro	14.0	60.6	7.2	18.0	2.3	4/20
Bill Brown	CSU	13.9	61.2	7.7 *	16.7	0.7	4/26 *
T197	Trio	13.7	59.3	6.7	18.0	3.3	4/21
TAM 203	TAMU	13.4	57.4	6.4	18.4	0.7	4/21
TX06A001263	TAMU	13.3	59.5	6.6	17.7	5.7	4/19
Greer	Syngenta	13.3	58.3	6.7	18.5	0.0	4/23
Billings	OSU	13.2	59.5	7.1	16.5	4.3	4/24 *
OK07214	OSU	12.9	60.0	7.1	18.2	6.3	4/19
Jagger	KSU	12.4	60.0	6.4	19.7 *	1.0	4/19
TAM 401	TAMU	12.0	58.1	6.8	18.5	4.3	4/19
Cedar HV9W96-1383R	Westbred	12.0	58.8	6.8	16.5	0.0	4/18
Pete	OSU	11.4	60.4	6.9	17.6	2.0	4/18
Shocker	Westbred	11.0	58.1	6.5	16.5	4.0	4/20
Bullet	OSU	10.8	58.9	7.0	18.0	8.3	4/21
TX06A001281	TAMU	10.5	58.6	6.4	16.7	11.7 ***	4/19
TAM 304	TAMU	10.5	59.8	7.1	16.8	0.0	4/18
Trial Mean		14.8	60.2	7.0	18.0	3.1	20-Apr
LSD (P> 0.05)		2.9	0.9	0.3	1.7	3.3	4.0
CV		11.9	0.9	3.1	5.9	65.1	2.2
F Test		<.0001	<.0001	<.0001	0.0002	<.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: 15-Jun Production Inputs <hr/> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 30%; text-align: center;">Rate</th> <th style="width: 40%; text-align: center;">Date</th> </tr> </thead> <tbody> <tr> <td colspan="3">Fertilizer:</td> </tr> <tr> <td style="padding-left: 20px;">N</td> <td style="text-align: center;">31 lb/ac</td> <td style="text-align: center;">carryover</td> </tr> <tr> <td style="padding-left: 20px;">N</td> <td style="text-align: center;">30 lb/ac</td> <td style="text-align: center;">pre-plant</td> </tr> <tr> <td style="padding-left: 20px;">P</td> <td style="text-align: center;">30 lb/ac</td> <td style="text-align: center;">pre-plant</td> </tr> <tr> <td style="padding-left: 20px;">Zn</td> <td style="text-align: center;">2 qt/ac</td> <td style="text-align: center;">pre-plant</td> </tr> <tr> <td style="padding-left: 20px;">N</td> <td style="text-align: center;">25 lb/ac</td> <td style="text-align: center;">23-Mar</td> </tr> </tbody> </table> Herbicides: Weedone LV6 8 oz/ac 23-Mar Affinity BS 0.6 oz/ac 23-Mar Insecticides: Lorsban 1 pt/ac 27-Jan Dimethoate 12 oz/ac 27-Jan Lorsban 1 pt/ac 23-Mar		Rate	Date	Fertilizer:			N	31 lb/ac	carryover	N	30 lb/ac	pre-plant	P	30 lb/ac	pre-plant	Zn	2 qt/ac	pre-plant	N	25 lb/ac	23-Mar	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 20%; text-align: center;">Average Temp. °F</th> <th style="width: 20%; text-align: center;">Precip. in.</th> </tr> </thead> <tbody> <tr><td>October</td><td style="text-align: center;">59.5</td><td style="text-align: center;">0.9</td></tr> <tr><td>November</td><td style="text-align: center;">45.5</td><td style="text-align: center;">0.3</td></tr> <tr><td>December</td><td style="text-align: center;">42.0</td><td style="text-align: center;">-</td></tr> <tr><td>January</td><td style="text-align: center;">35.8</td><td style="text-align: center;">-</td></tr> <tr><td>February</td><td style="text-align: center;">36.5</td><td style="text-align: center;">0.3</td></tr> <tr><td>March</td><td style="text-align: center;">51.2</td><td style="text-align: center;">-</td></tr> <tr><td>April</td><td style="text-align: center;">58.1</td><td style="text-align: center;">-</td></tr> <tr><td>May</td><td style="text-align: center;">64.0</td><td style="text-align: center;">-</td></tr> <tr><td>June</td><td style="text-align: center;">77.9</td><td style="text-align: center;">1.5</td></tr> </tbody> </table> Seasonal Precipitation 2.9 in.		Average Temp. °F	Precip. in.	October	59.5	0.9	November	45.5	0.3	December	42.0	-	January	35.8	-	February	36.5	0.3	March	51.2	-	April	58.1	-	May	64.0	-	June	77.9	1.5
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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: 35 lb/ac																																																					