

**Dryland Wheat Variety Trial, NMSU Agricultural Science Center at Clovis, 2013**

**Investigators:** M.A. Marsalis, A. Scott, and B. Niece

**Test Description**

<p><b>Location:</b></p> <p>County/Area: Curry  Longitude: -103.22  Latitude: 34.60  Elevation: 4435 ft.  Soil Name: Olton  Soil Texture: clay loam  Soil Depth: &gt;60 in.</p> <p><b>Test Design:</b></p> <p>Replications: 3  Planted Plot Length: 30 ft.  Harvested Plot Length: 30 ft.  Plot Width: 75 in.  Rows per Plot: 11  Drill Row Spacing: 6.25 in.  Seeding Rate: 30 lb/ac</p>	<p><b>Management Practices:</b></p> <p>Previous Crop: fallow  Planting Date: 11-Oct  Harvest Date: 25-Jun</p> <p><b>Production Inputs</b></p> <table border="1"> <thead> <tr> <th></th> <th>Rate</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td colspan="3"><b>Fertilizer:</b></td> </tr> <tr> <td>N</td> <td>68 lb/ac</td> <td>carryover</td> </tr> <tr> <td>N</td> <td>9 lb/ac</td> <td>pre-plant</td> </tr> <tr> <td>P</td> <td>30 lb/ac</td> <td>pre-plant</td> </tr> <tr> <td>Zn</td> <td>1 qt/ac</td> <td>pre-plant</td> </tr> </tbody> </table> <p><b>Herbicides:</b></p> <table border="1"> <tbody> <tr> <td>Weedone LV6</td> <td>8 oz/ac</td> <td>19-Mar</td> </tr> <tr> <td>Affinity BS</td> <td>0.6 oz/ac</td> <td>19-Mar</td> </tr> </tbody> </table> <p><b>Insecticides:</b></p> <table border="1"> <tbody> <tr> <td>Lorsban</td> <td>1 pt/ac</td> <td>19-Mar</td> </tr> </tbody> </table>		Rate	Date	<b>Fertilizer:</b>			N	68 lb/ac	carryover	N	9 lb/ac	pre-plant	P	30 lb/ac	pre-plant	Zn	1 qt/ac	pre-plant	Weedone LV6	8 oz/ac	19-Mar	Affinity BS	0.6 oz/ac	19-Mar	Lorsban	1 pt/ac	19-Mar	<p><b>Growing Conditions:</b></p> <table border="1"> <thead> <tr> <th></th> <th>Average Temp. °F</th> <th>Precip. in.</th> <th>Irrigation in.</th> </tr> </thead> <tbody> <tr><td>October</td><td>57.3</td><td>0.4</td><td>-</td></tr> <tr><td>November</td><td>50.4</td><td>0.0</td><td>-</td></tr> <tr><td>December</td><td>40.6</td><td>0.1</td><td>-</td></tr> <tr><td>January</td><td>35.3</td><td>0.5</td><td>-</td></tr> <tr><td>February</td><td>38.0</td><td>0.8</td><td>-</td></tr> <tr><td>March</td><td>46.9</td><td>0.0</td><td>-</td></tr> <tr><td>April</td><td>52.4</td><td>0.0</td><td>-</td></tr> <tr><td>May</td><td>64.0</td><td>0.5</td><td>-</td></tr> <tr><td>June</td><td>74.7</td><td>1.7</td><td>-</td></tr> </tbody> </table> <p>Seasonal Precipitation 4.0 in.  Total Irrigation - in.</p>		Average Temp. °F	Precip. in.	Irrigation in.	October	57.3	0.4	-	November	50.4	0.0	-	December	40.6	0.1	-	January	35.3	0.5	-	February	38.0	0.8	-	March	46.9	0.0	-	April	52.4	0.0	-	May	64.0	0.5	-	June	74.7	1.7	-
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Variety Name	Owner	Grain Yield <sup>1</sup> bu/a	Bushel Weight lb/bu	Harvest Moisture %	Plant Height in	Lodging <sup>1</sup> %	Head Date date
Byrd	CSU	12.83 ***	57.9	8.3 *	18.0 *	0	4/30
Denali	CSU	12.14 *	59.9 ***	8.5 *	18.3 *	0	5/8 *
Gallagher	OSU	11.61 *	55.5	7.8	15.7	0	5/2
Iba	OSU	11.48 *	58.7 *	8.4 *	16.3	0	5/8 *
TAM 113	TAMU	11.24 *	58.2 *	8.6 ***	17.3	0	5/7 *
TX08A001249	TAMU	11.13 *	59.0 *	7.9	17.3	0	4/28
WB Grainfield	Westbred	10.97 *	56.3	8.1 *	16.7	0	4/30
TX08V7313	TAMU	10.72 *	59.3 *	8.5 *	19.3 ***	0	5/5
Endurance	OSU	10.67 *	58.5 *	8.4 *	17.3	0	5/4
Hatcher	CSU	10.55 *	57.8	8.2 *	15.3	0	5/2
T 158	Limagrain	10.51 *	58.1 *	8.0	15.0	0	4/29
Duster	OSU	10.33 *	57.8	8.5 *	17.7	0	5/7 *
TX03A0563-07	TAMU	10.32 *	54.1	7.4	14.3	0	4/30
Garrison	OSU	9.72 *	55.0	7.8	15.3	0	5/5
TAM 304	TAMU	9.72 *	55.9	7.8	14.7	0	4/28
Razor	Syngenta	9.57	55.7	7.3	17.3	0	5/4
TAM 111	TAMU	9.44	59.0 *	8.6 *	18.7 *	0	5/5
Greer	Syngenta	9.34	55.0	7.6	17.3	0	5/1
Winterhawk	Westbred	9.27	59.2 *	8.3 *	18.0 *	0	5/2
04BC574-2	Syngenta	8.88	57.2	8.1 *	16.7	0	5/9 ***
TAM 305	TAMU	8.73	55.3	7.6	15.0	0	4/30
AP11T2214	Syngenta	8.27	55.7	7.5	18.0 *	0	4/27
TX07A001505	TAMU	8.26	59.2 *	8.3 *	14.7	0	5/3
TAM 112	TAMU	8.14	57.4	8.2 *	17.3	0	4/27
T154	Limagrain	7.86	56.1	7.6	16.0	0	4/26
Everest	KSU	7.69	56.2	7.9	14.0	0	4/28
Billings	OSU	7.62	54.8	8.0	13.7	0	5/4
TAM 401	TAMU	7.32	53.0	7.5	17.0	0	4/27
TAM W-101	TAMU	7.28	56.4	7.9	15.7	0	4/28
Jackpot	Syngenta	7.25	55.1	7.5	14.3	0	4/26
TX08V7173	TAMU	7.19	58.0	8.2 *	16.3	0	5/1
TX06V7266	TAMU	7.16	55.4	7.8	15.3	0	4/30
Doans	Syngenta	7.14	58.5 *	8.0	16.0	0	4/29
Ruby Lee	OSU	6.94	57.4	8.0	17.0	0	4/28
Armour	Westbred	6.81	55.9	8.0	13.3	0	5/1
Santa Fe	Westbred	6.61	55.1	7.0	14.7	0	4/28
WB Redhawk	Westbred	6.48	54.6	6.9	16.7	0	4/27
APH09T9614	Syngenta	6.20	59.2 *	8.0	16.7	0	4/26
Cedar	Westbred	5.42	53.9	7.5	14.0	0	4/27
T153	Limagrain	5.35	54.2	7.5	13.7	0	4/25
Trial Mean		8.9	56.7	7.9	16.1	0.0	1-May
LSD (P> 0.05)		3.1	1.8	0.5	1.6	0.0	3.5
CV		21.7	2.0	4.5	6.3	-	1.8
F Test		<.0001	<.0001	<.0001	<.0001	ns	<.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.

<sup>1</sup> No lodging reported