

Dryland Wheat Variety Trial, NMSU Agricultural Science Center at Clovis, 2016

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
PlainsGold Avery	CSU	26.78 ***	62.0 *	7.6	23.2 *	0	4/26 *
TAM 113	TAMU	26.23 *	58.4	6.9	21.0 *	0	4/26 *
HRX1652	Dyna-Gro	26.03 *	59.9 *	7.4	23.1 *	0	4/24
PlainsGold Denali	CSU	25.91 *	60.9 *	8.5 *	20.9 *	0	4/23
WB Grainfield	Westbred	25.60 *	61.6 *	7.1	23.7 *	0	4/23
TAM 112	TAMU	25.58 *	60.9 *	7.9	22.4 *	0	4/24
PlainsGold Byrd	CSU	24.94 *	61.5 *	7.0	21.8 *	0	4/26 *
HV9W10-0129	Westbred	24.52 *	62.1 *	6.7	22.4 *	0	4/27 *
Winterhawk	Westbred	24.49 *	60.4 *	7.3	23.6 *	0	4/23
Underwood	Dyna-Gro	24.41 *	59.3	6.4	20.7 *	0	4/26 *
Greer	Syngenta	24.22 *	58.8	6.8	22.8 *	0	4/26 *
Weathermaster 135	Unknown	24.01 *	53.1	6.9	21.4 *	0	4/23
Kan Mark	KSU	23.99 *	62.2 *	7.1	20.5	0	4/26 *
PlainsGold Brawl CL Plus	CSU	23.72 *	57.4	6.5	24.3 ***	0	4/26 *
SY Grit	Syngenta	23.68 *	60.0 *	6.7	22.6 *	0	4/25 *
LCS Mint	Limagrains	23.61 *	60.6 *	9.1 ***	22.3 *	0	4/25 *
Bentley	OSU	23.43 *	59.5	6.9	23.3 *	0	4/25
SY Southwind	Syngenta	22.39 *	59.9 *	6.9	22.2 *	0	4/21
Gallagher	OSU	22.38 *	57.2	6.9	21.8 *	0	4/28 *
WB 4458	Westbred	22.02 *	56.6	6.9	23.2 *	0	4/24 *
CPLN 15-14	Croplan	22.01 *	61.5 *	7.6	20.5	0	4/23
TAM 304	TAMU	21.92 *	57.9	6.4	20.0	0	4/26 *
SY Llano	Syngenta	21.71 *	61.8 *	7.3	21.6 *	0	4/26 *
TAM 111	TAMU	21.58	61.6 *	8.0	22.4 *	0	4/24
TAM 305	TAMU	21.55	59.2	6.8	20.1	0	4/25
SY Drifter	Syngenta	21.02	59.8 *	6.7	19.0	0	4/28 *
TAM 204	TAMU	20.92	58.2	7.1	22.3 *	0	4/28 *
Duster	OSU	20.72	58.9	7.2	22.2 *	0	4/25
SY Monument	Syngenta	20.55	59.1	7.6	20.5	0	4/28 *
Iba	OSU	20.18	62.5 ***	8.9	22.3 *	0	4/26 *
T158	Limagrains	20.05	62.2 *	7.5	22.0 *	0	4/23
TAM 401	TAMU	20.03	57.0	6.6	24.1 *	0	4/22
Ruby Lee	OSU	19.93	59.6 *	6.8	23.4 *	0	4/24
Endurance	OSU	19.52	61.9 *	7.6	24.0 *	0	4/26 *
Doublestop CL	OSU	19.27	61.1 *	7.6	23.8 *	0	4/23
TAM W101	TAMU	19.01	55.8	6.9	19.9	0	4/25
WB Cedar	Westbred	18.97	59.2	6.6	19.4	0	4/28 *
LCS Wizard	Limagrains	18.94	60.7 *	7.4	20.4	0	4/27 *
WB Redhawk	Westbred	17.96	57.3	5.9	20.8 *	0	4/29 ***
TAM 114	TAMU	16.53	61.2 *	7.3	21.1 *	0	4/29 *
Trial Mean		22.25	59.7	7.2	21.9	0.0	4/25
LSD (P> 0.05)		5.12	3.0	1.1	3.6	0.0	3.71
CV		14.17	3.0	9.2	10.0	-	1.96
F Test		<.0001	<.0001	<.0001	0.2	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

**Dryland Wheat Variety Trial, NMSU Agricultural Science Center at Clovis, 2016**

**Investigators:** A. Scott, B. Niece and A. Mesbah

**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: 15-Oct Harvest Date: 9-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><b>Fertilizer:</b></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">N</td> <td style="text-align: center;">61 lb/ac</td> <td style="text-align: center;">carryover</td> </tr> <tr> <td><b>Herbicides:</b></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Glyphosate</td> <td style="text-align: center;">48 oz/ac</td> <td style="text-align: center;">14-Oct</td> </tr> <tr> <td style="padding-left: 20px;">Affinity</td> <td style="text-align: center;">0.6 oz/ac</td> <td style="text-align: center;">3-Mar</td> </tr> <tr> <td style="padding-left: 20px;">LV 6</td> <td style="text-align: center;">12 oz/ac</td> <td style="text-align: center;">3-Mar</td> </tr> <tr> <td><b>Insecticides:</b></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Lorsban 4E</td> <td style="text-align: center;">1 pt/ac</td> <td style="text-align: center;">3-Mar</td> </tr> </tbody> </table>		Rate	Date	<b>Fertilizer:</b>			N	61 lb/ac	carryover	<b>Herbicides:</b>			Glyphosate	48 oz/ac	14-Oct	Affinity	0.6 oz/ac	3-Mar	LV 6	12 oz/ac	3-Mar	<b>Insecticides:</b>			Lorsban 4E	1 pt/ac	3-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;">58.5</td><td style="text-align: center;">8.2</td><td style="text-align: center;">-</td></tr> <tr><td>November</td><td style="text-align: center;">44.5</td><td style="text-align: center;">0.9</td><td style="text-align: center;">-</td></tr> <tr><td>December</td><td style="text-align: center;">39.0</td><td style="text-align: center;">0.6</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;">0.1</td><td style="text-align: center;">-</td></tr> <tr><td>February</td><td style="text-align: center;">42.8</td><td style="text-align: center;">0.2</td><td style="text-align: center;">-</td></tr> <tr><td>March</td><td style="text-align: center;">49.3</td><td style="text-align: center;">-</td><td style="text-align: center;">-</td></tr> <tr><td>April</td><td style="text-align: center;">53.6</td><td style="text-align: center;">0.5</td><td style="text-align: center;">-</td></tr> <tr><td>May</td><td style="text-align: center;">59.9</td><td style="text-align: center;">1.5</td><td style="text-align: center;">-</td></tr> <tr><td>June</td><td style="text-align: center;">72.8</td><td style="text-align: center;">4.3</td><td style="text-align: center;">-</td></tr> <tr><td>July 1-9</td><td style="text-align: center;">79.4</td><td style="text-align: center;">-</td><td style="text-align: center;">-</td></tr> <tr> <td>Seasonal Precipitation</td> <td></td> <td style="text-align: center;">16.2 in.</td> <td></td> </tr> <tr> <td>Total Irrigation</td> <td></td> <td style="text-align: center;">-</td> <td style="text-align: center;">in.</td> </tr> </tbody> </table>		Average Temp. °F	Precip. in.	Irrigation in.	October	58.5	8.2	-	November	44.5	0.9	-	December	39.0	0.6	-	January	35.8	0.1	-	February	42.8	0.2	-	March	49.3	-	-	April	53.6	0.5	-	May	59.9	1.5	-	June	72.8	4.3	-	July 1-9	79.4	-	-	Seasonal Precipitation		16.2 in.		Total Irrigation		-	in.
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<b>Test Design:</b> 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																																																																																	