

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

Variety Name	Owner	Grain Yield ¹ bu/a	Bushel Weight lb/bu	Harvest Moisture %	Plant Height in	Lodging ¹ %	Head Date date
TAM 204	TAMU	101.39 ***	55.6	5.7	36.3	0	4/26
WB Grainfield	Westbred	99.43 *	56.4	5.7	35.0	32	4/24
TAM 114	TAMU	99.23 *	56.6 *	6.1 *	37.8 *	47 *	4/29 *
SY Southwind	Syngenta	98.29 *	55.0	5.8	37.3 *	2	4/28 *
WB 4458	Westbred	95.87 *	53.2	5.2	38.1 *	3	4/25
PlainsGold Brawl CL Plus	CSU	95.21 *	56.0	6.0 *	39.8 *	0	4/25
05BC041-10-10 (SY Grit)	Syngenta	93.33 *	56.5	6.0 *	36.6	0	4/26
Winterhawk	Westbred	92.90 *	54.0	5.6	40.3 ***	0	4/29 *
HV9W10-0129	Westbred	90.76 *	57.7 *	5.8	37.8 *	2	4/25
PlainsGold Byrd	CSU	90.03 *	56.1	6.0 *	36.0	20	4/25
PlainsGold Denali	CSU	89.82 *	57.3 *	5.8	36.5	0	4/28 *
WB Cedar	Westbred	89.80 *	56.7 *	6.1 *	37.2 *	0	4/23
Underwood	Dyna-Gro	88.93 *	55.2	5.5	36.2	0	4/25
Kan Mark	KSU	88.79 *	55.2	5.8	34.1	0	4/30 *
Iba	OSU	88.65 *	58.0 *	6.3 *	37.8 *	0	4/29 *
Endurance	OSU	88.60 *	55.2	5.9	39.0 *	0	4/26
Duster	OSU	88.58 *	54.3	6.1 *	37.7 *	25	4/27
Bentley	OSU	88.44 *	54.5	5.9	36.5	8	4/25
CPLN 15-14	Croplan	88.27 *	53.3	5.5	38.5 *	28	4/28 *
TAM 304	TAMU	88.16 *	54.6	5.5	34.4	0	4/25
LCS Mint	Limagrains	86.45	54.5	6.3 *	36.8 *	32	5/1 ***
TAM 305	TAMU	86.25	56.4	6.1 *	38.5 *	12	4/25
SY Monument	Syngenta	86.09	55.7	5.6	37.1 *	0	4/28 *
Ruby Lee	OSU	85.48	56.0	6.1 *	39.7 *	8	4/27
TAM 113	TAMU	84.52	53.8	6.0 *	38.5 *	37 *	4/28 *
SY Drifter	Syngenta	84.09	57.0 *	6.0 *	37.5 *	0	4/28 *
HRX1652	Dyna-Gro	84.04	55.4	5.6	36.2	40 *	4/28 *
Gallagher	OSU	83.53	54.0	5.7	35.7	20	4/26
Doublestop CL	OSU	83.41	56.4	6.1 *	39.9 *	2	4/24 *
LCS Wizard	Limagrains	82.86	55.9	5.9	37.0 *	0	4/29 *
WB Redhawk	Westbred	81.81	56.7 *	5.6	37.7 *	2	4/23
Greer	Syngenta	81.16	55.8	5.7	38.4 *	15	4/29
T158	Limagrains	81.13	57.0 *	5.9	35.9	13	4/26
SY Llano	Syngenta	79.09	57.4 *	6.5 ***	34.4	25	4/24
TAM 401	TAMU	78.61	54.5	5.9	37.4 *	43 *	4/26
PlainsGold Avery	CSU	78.57	53.0	5.7	36.6	73 ***	4/29 *
TAM 111	TAMU	76.10	56.2	5.9	37.4 *	5	4/27
TAM 112	TAMU	75.05	58.6 ***	6.4 *	38.5 *	67 *	4/22
Weathermaster 135	Unknown	68.44	49.5	5.4	35.0	33	4/25
TAM W-101	TAMU	63.65	52.5	5.6	36.2	10	4/23
Trial Mean		86.37	55.4	5.9	37.2	15.1	4/26
LSD (P> 0.05)		14.19	2.1	0.5	3.6	3.7	3.42
CV		10.10	2.4	5.4	6.1	149	1.79
F Test		<.0001	<.0001	<.0001	0.1	<.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.

¹ No lodging reported

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

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: 15-Oct Harvest Date: 30-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>67 lb/ac</td> <td>carryover</td> </tr> <tr> <td>N</td> <td>40 lb/ac</td> <td>pre-plant</td> </tr> <tr> <td>P₂O₅</td> <td>40 lb/ac</td> <td>pre-plant</td> </tr> <tr> <td>S</td> <td>5.1 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>66 lb/ac</td> <td>11-Feb</td> </tr> <tr> <td>S</td> <td>12 lb/ac</td> <td>11-Feb</td> </tr> <tr> <td colspan="3">Herbicides:</td> </tr> <tr> <td>Affinity</td> <td>0.6 oz/ac</td> <td>4-Mar</td> </tr> <tr> <td>LV 6</td> <td>12 oz/ac</td> <td>4-Mar</td> </tr> <tr> <td colspan="3">Insecticides:</td> </tr> <tr> <td>Lorsban 4E</td> <td>1 pt/ac</td> <td>4-Mar</td> </tr> <tr> <td colspan="3">Fungicides:</td> </tr> <tr> <td>Prosaro</td> <td>6.5 oz/ac</td> <td>28-Apr</td> </tr> </tbody> </table>		Rate	Date	Fertilizer:			N	67 lb/ac	carryover	N	40 lb/ac	pre-plant	P ₂ O ₅	40 lb/ac	pre-plant	S	5.1 lb/ac	pre-plant	Zn	2 qt/ac	pre-plant	N	66 lb/ac	11-Feb	S	12 lb/ac	11-Feb	Herbicides:			Affinity	0.6 oz/ac	4-Mar	LV 6	12 oz/ac	4-Mar	Insecticides:			Lorsban 4E	1 pt/ac	4-Mar	Fungicides:			Prosaro	6.5 oz/ac	28-Apr	<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;">0.3</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;">0.7</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;">3.7</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;">6.1</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;">7.1</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 colspan="2" style="text-align: right;">Seasonal Precipitation</td> <td colspan="2" style="text-align: center;">16.2 in.</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total Irrigation</td> <td colspan="2" style="text-align: center;">17.9 in.</td> </tr> </tbody> </table>		Average Temp. °F	Precip. in.	Irrigation in.	October	58.5	8.2	0.3	November	44.5	0.9	-	December	39.0	0.6	-	January	35.8	0.1	-	February	42.8	0.2	0.7	March	49.3	-	3.7	April	53.6	0.5	6.1	May	59.9	1.5	7.1	June	72.8	4.3	-	Seasonal Precipitation		16.2 in.		Total Irrigation		17.9 in.	
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