

Irrigated Wheat Variety Trial, NMSU Agricultural Science Center at Clovis, 2017

Variety Name	Owner	Grain Yield ¹ bu/a	Bushel Weight lb/bu	Harvest Moisture %	Plant Height in	Lodging %	Head Date date
KanMark	KSU	88.8 ***	63.9 *	6.2	31.8	0	4/15
CPLN 69-16	Croplan	88.8 *	62.3	6.3	35.6	2	4/20 ***
SY Drifter	Syngenta	82.3 *	63.3 *	6.4	37.3	0	4/13
Larry	KSU	80.5	63.1 *	6.3	39.7 *	0	4/20 *
SY Grit	Syngenta	80.1	62.5	6.1	38.2 *	0	4/15
WB Grainfield	Westbred	79.3	62.7	6.4	38.7 *	2	4/15
Long Branch	Dyna-Gro	78.5	60.2	6.0	39.4 *	7	4/13
WB 4458	Westbred	77.6	61.9	6.1	37.4	0	4/13
Winterhawk	Westbred	76.8	62.0	6.1	35.2	0	4/11
SY Rugged	Syngenta	76.6	59.4	6.3	34.3	8	4/10
TAM 304	TAMU	76.3	60.4	6.0	33.6	0	4/15
Zenda	KSU	76.1	61.9	5.9	37.9	0	4/18 *
SY Southwind	Syngenta	76.0	59.8	5.7	32.5	0	4/15
T158	Limagrains	75.6	61.8	6.1	34.6	0	4/18 *
TAM 111	TAMU	75.3	61.8	6.2	38.3 *	0	4/17 *
Iba	OSU	75.3	63.7 *	6.4	38.1 *	0	4/18 *
TAM 114	TAMU	75.0	62.8 *	6.1	37.1	10	4/15
Underwood	Dyna-Gro	74.9	61.9	6.0	34.1	0	4/11
PlainsGold Denali	CSU	74.7	62.8 *	6.4	40.3 *	0	4/11
TAM 114-Untreated	TAMU	74.7	61.7	5.8	36.1	0	4/11
PlainsGold Avery	CSU	74.3	61.6	6.2	37.7	12	4/16
SY Flint	Syngenta	73.7	62.1	6.1	36.0	0	4/18 *
Joe	KSU	73.6	61.8	6.0	37.8	10	4/12
Greer	Syngenta	73.0	61.4	6.1	39.1 *	0	4/13
SY Monument	Syngenta	73.0	61.1	5.9	36.1	0	4/17 *
WB 4721	Westbred	72.9	62.2	5.9	37.1	0	4/13
Bentley	OSU	72.5	60.4	6.0	39.8 *	0	4/12
TX11A001295	TAMU	71.7	64.2 ***	6.6 *	37.8	0	4/15
PlainsGold Byrd	CSU	71.0	61.6	6.3	36.6	7	4/13
TAM 204	TAMU	70.6	59.5	5.8	37.0	0	4/13
LCS Mint	Limagrains	70.5	63.1 *	6.6 *	37.4	0	4/14
Gallagher	OSU	69.5	62.7 *	6.5 *	37.3	0	4/13
Tatanka	KSU	69.0	60.2	6.0	36.2	40 ***	4/14
TAM 113	TAMU	68.3	63.3 *	6.8 ***	38.9 *	18	4/11
TAM 305	TAMU	67.6	62.7	6.4	35.2	0	4/13
TX12M4068	TAMU	67.0	62.0	6.2	40.6 ***	0	4/11
LCS Chrome	Limagrains	65.1	61.2	5.7	37.7	0	4/15
TAM W-101	TAMU	62.4	60.3	6.0	37.3	10	4/13
TAM 401	TAMU	58.5	58.5	5.9	35.7	28 *	4/13
TAM 112	TAMU	46.7	62.3	6.3	34.9	17	4/13
Trial Mean		61.8	73.4	6.2	36.9	4.3	4/14
LSD (P> 0.05)		1.5	7.5	0.4	2.6	15.4	3.78
CV		1.5	6.3	3.6	4.3	223	2.20
F Test		<.0001	<.0001	<.0001	<.0001	0.0	<.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.

² No lodging reported

Irrigated Wheat Variety Trial, NMSU Agricultural Science Center at Clovis, 2017

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: 13-Oct Harvest Date: 22-Jun Production Inputs <table border="1"> <thead> <tr> <th></th> <th>Rate</th> <th>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>25 lb/ac</td> <td>pre-plant</td> </tr> <tr> <td>N</td> <td>52 lb/ac</td> <td>17-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>Prowl H2O</td> <td>3 pts/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>27-Apr</td> </tr> </tbody> </table>		Rate	Date	Fertilizer:			N	67 lb/ac	carryover	N	40 lb/ac	pre-plant	P ₂ O ₅	25 lb/ac	pre-plant	N	52 lb/ac	17-Feb	Herbicides:			Affinity	0.6 oz/ac	4-Mar	LV 6	12 oz/ac	4-Mar	Prowl H2O	3 pts/ac	4-Mar	Insecticides:			Lorsban 4E	1 pt/ac	4-Mar	Fungicides:			Prosaro	6.5 oz/ac	27-Apr	<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>61.5</td> <td>0.0</td> <td>2.0</td> </tr> <tr> <td>November</td> <td>49.5</td> <td>1.0</td> <td>-</td> </tr> <tr> <td>December</td> <td>35.5</td> <td>0.2</td> <td>-</td> </tr> <tr> <td>January</td> <td>36.5</td> <td>1.1</td> <td>-</td> </tr> <tr> <td>February</td> <td>45.8</td> <td>0.4</td> <td>1.4</td> </tr> <tr> <td>March</td> <td>51.7</td> <td>0.9</td> <td>4.6</td> </tr> <tr> <td>April</td> <td>55.5</td> <td>0.5</td> <td>9.1</td> </tr> <tr> <td>May</td> <td>61.4</td> <td>2.1</td> <td>5.8</td> </tr> <tr> <td>June</td> <td>74.1</td> <td>1.0</td> <td>1.2</td> </tr> <tr> <td colspan="2">Seasonal Precipitation</td> <td colspan="2">7.2 in.</td> </tr> <tr> <td colspan="2">Total Irrigation</td> <td colspan="2">24.1 in.</td> </tr> </tbody> </table>		Average Temp. °F	Precip. in.	Irrigation in.	October	61.5	0.0	2.0	November	49.5	1.0	-	December	35.5	0.2	-	January	36.5	1.1	-	February	45.8	0.4	1.4	March	51.7	0.9	4.6	April	55.5	0.5	9.1	May	61.4	2.1	5.8	June	74.1	1.0	1.2	Seasonal Precipitation		7.2 in.		Total Irrigation		24.1 in.	
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