

**Irrigated Wheat Variety Trial, NMSU Agricultural Science Center at Clovis, 2008**

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**Test Description**

<b>Location:</b>	<b>Management Practices:</b>	<b>Growing Conditions:</b>		
County/Area: Curry	Previous Crop: fallow	Average		
Longitude: -103.22	Planting Date: 30-Oct	Temp.	Precip.	Irrigation
Latitude: 34.60	Harvest Date: 7-Jul	°F	in.	in.
Elevation: 4435 ft.	<b>(Harvest delayed due to rain and wet soil.)</b>	October	0.17	1.2
Soil Name: Olton	<b>Production Inputs</b>	November	0.12	1.1
Soil Texture: clay loam		December	0.66	0.8
Soil Depth: >60 in.	Rate	Date	January	0.00
	Fertilizer:		February	0.20
	N 20 lb/ac	carryover	March	0.10
	N 60 lb/ac	9-Oct	April	0.73
	N (pivot) 45 lb/ac	29-Feb	May	1.75
	N (pivot) 45 lb/ac	24-Mar	June	3.95
	P <sub>2</sub> O <sub>5</sub> 60 lb/ac	9-Oct	Seasonal Precipitation	
	S 7.7 lb/ac	9-Oct	7.7 in.	
	Zn 2 qts/ac	9-Oct	Total Irrigation	
	Herbicides:		26.9 in.	
	Weedone LV6 1 pt/ac	21-Mar		
	Insecticides:			
	Lorsban 1 pt/ac	22-Mar		
<b>Test Design:</b>				
Replications: 3				
Planted Plot Length: 18.1 ft.				
Harvested Plot Length: 14.33 ft.				
Plot Width: 75 in.				
Rows per Plot: 11				
Drill Row Spacing: 5.5 in.				
Seeding Rate: 95 lb/ac				

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Variety Name	Owner	Grain Yield <sup>1</sup> bu/a	Bushel Weight lb/bu	Harvest Moisture %	Plant Height in	Lodging %	Head Date date
Keota	WestBred	83.9 ***	58.8 *	10.7	38.3 *	0.0	5/6
TX01A5936	Texas AgriLife	83.6 *	59.8 ***	11.0	38.3 *	0.0	5/5
Aspen (white)	WestBred	79.1 *	57.4	10.5	27.7	0.0	5/1
Neosho	AP	77.1 *	59.1 *	10.6	35.3 *	0.0	5/5
TAM 105	Texas AgriLife	76.5 *	58.2	10.5	35.3 *	0.0	5/5
Hatcher	CSU	73.7 *	57.3	10.7	35.0 *	10.0	5/5
TAM 110	Texas AgriLife	73.1 *	56.2	10.2	33.3	1.7	5/2
TAM 111	Texas AgriLife	73.1 *	59.2 *	11.1	36.0 *	6.7	5/6
TX03A0563	Texas AgriLife	72.3 *	58.1	10.3	30.7	0.0	5/3
TAM W-101	Texas AgriLife	70.9 *	58.2	10.6	32.3	0.0	5/2
Duster	OSU	68.8 *	58.1	10.8	36.3 *	0.0	5/8 *
Blend (TAM 111, TAM 112, Jagalene)		67.2 *	58.9 *	10.8	37.0 *	0.0	5/4
TX02A0252	Texas AgriLife	66.7 *	57.2	11.1 *	34.3 *	3.3	5/4
Fuller	KSU	64.8 *	58.0	10.8	34.3 *	0.0	5/4
TAM 112	Texas AgriLife	64.5 *	58.9 *	10.9	35.3 *	0.0	5/2
Endurance	OSU	63.2	57.5	10.5	38.3 *	0.0	5/7 *
Deliver	OSU	62.8	57.0	10.8	36.3 *	1.7	5/7 *
T81	Trio	62.6	58.6 *	10.8	36.3 *	0.0	5/5
TAM 203	Texas AgriLife	62.6	55.6	10.2	35.3 *	1.7	5/7 *
Cutter	AP	59.5	58.5 *	10.9	36.7 *	3.3	5/6 *
RonL (white)	KSU	58.5	57.8	10.9	38.3 ***	0.0	5/8 ***
TX03A0148	Texas AgriLife	58.2	55.3	10.1	31.3	0.0	5/4
AP05TW2821	AP	57.3	57.3	10.8	34.7 *	0.0	5/7 *
Jagalene	AP	54.4	59.3 *	10.9	35.0 *	0.0	5/6
Doans	AP	54.2	59.6 *	10.9	37.3 *	0.0	5/3
Longhorn	AP	51.3	56.3	10.5	37.0 *	0.0	5/8 *
TAM 304	Texas AgriLife	46.2	56.2	10.5	31.0	23.3	5/3
Fannin	AP	44.2	58.4 *	11.4 ***	37.0 *	3.3	5/5
Bullet	OSU	43.8	58.6 *	10.7	33.7	0.0	5/3
Santa Fe	WestBred	43.7	57.0	10.3	34.3 *	6.7	5/2
AP06T3832	AP	41.3	56.1	10.1	36.7 *	0.0	5/7 *
OK00611W	OSU	40.7	57.7	10.7	36.7 *	0.0	5/2
TX03M1096	Texas AgriLife	38.7	56.7	11.1	33.0	0.0	5/2
AP04T8211	AP	37.7	58.1	10.5	32.0	0.0	4/30
Dumas	AP	35.8	58.3	10.5	34.0	0.0	5/6
Art	AP	35.1	57.4	10.8	37.0 *	0.0	5/5
Jagger	KSU	28.2	57.8	10.7	32.3	0.0	4/30
AP05T2413	AP	23.5	57.0	10.2	33.3	0.0	5/6 *
Shocker	WestBred	20.7	57.0	10.3	35.7 *	0.0	5/3
Overley	KSU	17.1	57.7	10.5	35.0 *	0.0	5/3
Trial Mean		55.9	57.8	10.7	35.0	1.5	5/4
LSD (P> 0.05)		20.6	1.5	0.3	4.0	ns	2.3
CV		22.72	1.58	1.91	7.09	482.01	1.11
F Test		<.0001	<.0001	<.0001	<.0001	0.5649	<.0001

<sup>1</sup>Yields adjusted to 60 lb standard bushel weight and 13.5 % moisture. - Yields were reduced in 2008, due to harvest delays and shattering from rain and 2 hail storms.

\*\*\* Highest numerical value in the column.

\* Not significantly different from the highest numerical value in the column based on the 5% LSD.