

Irrigated Wheat Variety Trial, NMSU Agricultural Science Center at Clovis, 2007

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Test Description

Location:	Management Practices:	Growing Conditions:			
County/Area: Curry	Previous Crop: fallow				
Longitude: -103.22	Planting Date: 24-Oct				
Latitude: 34.60	Harvest Date: 2-Jul				
Elevation: 4435 ft.					
Soil Name: Olton					
Soil Texture: clay loam					
Soil Depth: >60 in.					
	Production Inputs				
	Rate Date				
	Fertilizer:				
	Nitrogen 78 lb/ac Carryover				
	Nitrogen 30 lb/ac 18-Mar				
	Nitrogen 30 lb/ac 29-Mar				
	Nitrogen 15 lb/ac 5-Apr				
	P2O5 88 lb/ac Carryover				
	Herbicides:				
	Buccaneer 24 oz/ac 26-Oct				
	Clarity 4 oz/ac 26-Oct				
	Express 0.16 oz/ac 9-Mar				
	Weedone LV6 0.5 oz/ac 9-Mar				
	Credit 12 oz/ac 28-Jun				
	Insecticides:				
	None				
Test Design:					
Replications: 3					
Planted Plot Length: 18.1 ft.					
Harvested Plot Length: 18.1 ft.					
Plot Width: 75 in.					
Rows per Plot: 11					
Drill Row Spacing: 5.5 in.					
Seeding Rate: 95 lb/ac					
		Average			
		Temp.	Precip.	Irrigation	
		°F	in.	in.	
		October	54.6	1.80	0.4
		November	47.0	0.10	1.4
		December	36.2	1.20	-
		January	29.6	0.90	-
		February	40.0	0.20	-
		March	49.2	3.70	1.0
		April	50.9	0.20	2.5
		May	65.5	2.40	4.0
		June	70.3	3.90	1.8
		Seasonal Precipitation	14.3 in.		
		Total Irrigation	11.1 in.		

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Variety Name	Owner	Grain Yield ¹ bu/a	Bushel Weight lb/bu	Harvest Moisture %	Plant Height in	Lodging %	Head Date date
Aspen (white)	WestBred	108.9 ***	56.2	9.4	35.7 *	25	5/6
Shocker	WestBred	99.4 *	56.7	9.7	34.7	20	5/7
TAM 304	TAMU	95.1 *	54.6	9.8	31.7	13	5/6
T81	Trio	94.0 *	55.3	10.0	37.3 *	14	5/7
TAM 111	TAMU	93.5 *	57.8 *	10.4 *	36.7 *	30	5/7
Bullet	OSU	91.2 *	59.9 ***	10.5 *	37.3 *	27	5/6
Dumas	AP	90.4 *	58.3 *	10.3 *	36.0 *	18	5/8
Kojack (AP7525)	AP	89.8	52.6	11.1 *	36.3 *	32	5/12 ***
Fuller	KSU	89.7	57.0 *	10.6 *	36.3 *	38 *	5/8
Duster	OSU	88.8	56.7	10.5 *	34.7	22	5/8
Overley	KSU	87.5	57.6 *	10.1	37.7 *	13	5/6
TX03M1096	TAMU	83.5	53.3	10.5 *	35.0	23	5/6
AP 04T8211	AP	83.4	58.3 *	9.8	35.3	47 *	5/6
TAM 110 (low Test Wt seed)		83.2	55.6	9.8	35.0	20	5/6
Endurance	OSU	82.5	55.3	10.8 *	38.7 *	22	5/7
Doans	AP	81.3	57.9 *	11.0 *	36.3 *	20	5/7
Deliver	OSU	78.8	49.5	9.8	38.3 *	17	5/8
Santa Fe	WestBred	77.1	57.2 *	10.0	36.0 *	33	5/6
TX99A0153-1	TAMU	74.1	53.8	10.4 *	31.7	70 *	5/7
AP 04TA9029	AP	73.6	55.5	10.3 *	37.7 *	58 *	5/9
Guymon	OSU	73.2	55.2	10.2	36.3 *	43 *	5/8
Keota	WestBred	73.0	56.7	10.4 *	39.0 ***	63 *	5/7
TAM 203	TAMU	72.9	53.7	9.6	36.3 *	53 *	5/8
Coronado	AP	72.5	54.0	9.8	33.7	0	5/6
Longhorn	AP	72.1	55.7	10.6 *	38.0 *	7	5/9
TX01V6008	TAMU	71.9	56.9 *	10.2	36.7 *	63 *	5/8
Fannin ²	AP	71.3	56.1	10.4 *	37.5 *	50	5/7
Sturdy 2K	TAMU	70.5	54.9	11.2 ***	36.3 *	0	5/9
Neosho	AP	70.4	54.1	10.0	34.3	2	5/7
TAM 110	TAMU	70.4	52.8	9.2	34.0	48 *	5/5
Hatcher	CSU	70.0	53.7	10.0	35.7 *	62 *	5/6
Cutter	AP	65.4	52.7	9.3	37.7 *	83 ***	5/9
Blend (TAM 112, TAM 111, Jagelene)		64.8	55.2	9.5	38.3 *	77 *	5/7
TAM 112	TAMU	63.7	54.4	9.3	32.7	75 *	5/6
TAM 105	TAMU	62.8	52.5	9.6	36.3 *	23	5/8
RonL	KSU	62.4	54.7	9.4	33.7	63 *	5/8
Jagalene	AP	61.8	54.1	10.0	35.7 *	33	5/10
TAM W101	TAMU	61.2	53.3	10.1	34.7	67 *	5/6
Jagger	KSU	60.5	50.6	9.6	36.0 *	40 *	5/6
TX01A5936	TAMU	57.4	54.0	9.9	35.0	32	5/6
Trial Mean		77.4	55.1	10.1	35.9	36	5/7
LSD (P> 0.05)		18.7	3.1	0.9	3.6	46	1.6
CV		14.85	3.45	5.33	6.15	78.60	0.77
F Test		<.0001	<.0001	0.0002	0.0080	0.0067	<.0001

¹Yields adjusted to 60 lb standard bushel weight and 13.5 % moisture.

²Data missing from one replication due to herbicide damage.

*** Highest numerical value in the column.

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