

Dryland Wheat Variety Trial, NMSU Agricultural Science Center at Clovis, 2005

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Test Description

Location:	Management Practices:	Growing Conditions:		
County/Area: Curry	Previous Crop: Fallow			
Longitude: -103.22	Planting Date: 4-Oct			
Latitude: 34.60	Harvest Date: 15-Jun			
Elevation: 4435 ft.	20-Jun			
Soil Name: Olton				
Soil Texture: clay loam				
Soil Depth: >60 in.				
	Production Inputs			
	Rate	Date		
	Fertilizer:			
	Nitrogen	40 lb/ac	31-Aug	
	P2O5	20 lb/ac	31-Aug	
	Sulfur	10 lb/ac	31-Aug	
	Zn	1 lb/ac	31-Aug	
	Boron	0.05 lb/ac	31-Aug	
	Iron	0.5 lb/ac	31-Aug	
	Manganese	0.3 lb/ac	31-Aug	
	Nitrogen	48 lb/ac	2-Mar	
	Herbicides:			
	2,4D LV6#	8 oz/ac	2-Mar	
	Express	1/4 oz/ac	2-Mar	
	Insecticides:			
	Lorsban 4E-SG	14 oz/ac	2-Mar	
	Fungicides:			
	Quadris	10.8 oz/ac	26-Apr	
Test Design:				
Replications: 3				
Plot Length: 30 ft.				
Beds per Plot: 2				
Bed Spacing: 40 in.				
Row Spacing: 5.5 in.				
Seeding Rate: 45 lb/ac				
			Average	
			Temp.	Precip.
			°F	in.
				Irrigation
				in.
		September	67.6	5.2
		October	57.6	4.2
		November	43.2	2.4
		December	39.4	0.3
		January	42.0	1.4
		February	42.3	0.8
		March	45.4	0.9
		April	55.1	0.8
		May	63.9	1.9
		June	72.3	0.5
		Seasonal Precipitation		12.6 in.

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Variety Name	Grain Yield ¹ bu/ac	Bushel Weight lb	Moisture		Rust Rating ² (1-10)
			at Harvest %	Height in	
TX00V1117	63.5 ***	63.1 *	10.3	31.4	2.7
Overley	60.8 *	62.6 *	9.8	32.9	2.0
TX98V9628	59.6 *	62.7 *	9.3	29.9	3.7
Jagger	59.1 *	61.5	9.0	32.2	2.3
T 81	58.9 *	61.7 *	9.9	29.8	2.7
Agri-Pro 4342	58.1 *	62.8 *	9.0	31.6	3.0
TX01D3232	58.1 *	59.2	9.4	28.3	3.0
TAM 111	56.0 *	62.4 *	10.6 ***	30.8	3.0
Dumas	55.5 *	63.1 *	9.4	31.4	3.0
Endurance	54.7 *	61.9 *	10.0	31.8	3.0
TAM 107	54.0 *	60.9	9.2	29.3	3.0
AP 502 CL	53.9 *	60.1	8.6	28.9	4.0 ***
TX00D1390	53.3 *	61.1	9.9	31.5	2.7
TX98D1170	52.6	58.5	9.2	30.6	2.7
TAM 105	52.3	61.9 *	8.9	29.1	3.0
Cutter	52.3	62.4 *	9.4	29.8	2.7
2145	51.9	61.2	9.4	30.6	3.0
Fannin	51.8	61.4	9.8	32.4	3.0
OK 101	51.4	62.8 *	9.9	31.6	3.0
Ogallala	51.0	62.7 *	9.4	28.0	3.0
Coronado	50.9	62.0 *	9.7	30.1	3.3
TAM 202	50.9	61.5	9.9	29.4	3.0
Trego	50.1	61.3	9.7	28.7	3.7
Cisco	50.1	61.9 *	9.5	29.0	3.3
Longhorn	49.9	62.3 *	9.7	31.1	3.0
TAM 110 CL	49.1	59.9	8.7	29.5	2.7
Deliver	48.9	61.9 *	9.5	33.5	2.3
Stanton	48.5	61.9 *	9.1	29.9	3.7
Sturdy 2K	48.4	60.5	9.2	32.0	3.3
Scout 66	48.4	61.9 *	8.9	34.9 ***	2.7
Lockett	47.9	60.7	9.0	25.5	3.3
TAM 110	47.8	61.1	8.9	27.6	3.7
Abilene Ag Expo	46.6	61.1	10.4	33.2	2.3
OK 102	46.5	62.1 *	9.4	29.7	3.7
Platte	46.2	62.9 *	9.1	31.1	3.0
2174	46.0	60.4	9.8	30.4	3.0
HG-9	45.8	61.7 *	9.1	32.8	3.0
Jagalene	45.4	63.6 ***	9.7	26.5	3.7
Thunderbolt	43.1	63.0 *	9.4	30.7	3.0
TAM W 101	41.1	61.5	10.3	29.9	3.3
Mean	51.5	61.7	9.5	30.4	3.0
LSD (P>0.05)	10.3	2.1	ns	4.0	0.7
CV	12.29	2.06	10.05	8.08	15.19

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

² Rust ratings are based on a scale of 1-10. 1= No visible evidence of rust infection, 10=Complete yellowing/pustule covering of upper leaves, particularly the flag leaf.

*** Highest numerical value in the column.

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