

Wheat Variety Demonstration in Roll, 1987.

Barry Tickes and Mike Ottman

SUMMARY

Red wheat yields were significantly higher for Topaz and Yecora Rojo than for Probred and NK775. Westbred 911 produced significantly lower yields than the other four red wheat varieties tested.

Westbred 881 produced significantly lower yields than the other four durum varieties tested. Topaz lodged extensively; however, yields did not appear to be adversely affected by this characteristic.

CROP HISTORY

Planted: 12-24-86

Harvested: 6-10-87

Seeding rate: 115 lbs./A

Irrigation: 42.5 inches of Colorado River water applied in 9 irrigations

Fertilizer: 127 lbs. of N preplant and 141 lbs. of N applied in irrigation water for a total of 268 lbs. N/A and 87 lbs. of P₂O₅/A.

Previous crop: cotton

Soil Type: Silty loam

Plot Size: 400' x 20'

Table 1.
 WHEAT VARIETY DEMONSTRATION
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 Ro11, Arizona - 1987
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Variety	Height (inches)	Lodging (%)	Protein (%)	Yellow- berry (%)	Bushel Weight (Lbs.)	Yield (Lbs./Plot)				Average Lbs/Acre	
						Rep. 1	Rep. 2	Rep. 3	Rep. 4*		
<u>Red Wheat</u>											
Topaz	40	85	13.0	0	59	773	752	777	791	773	5946 c**
Yecora rojo	30	11	13.3	0	60	780	770	749	752	763	5869 c
Probred	29	6	13.3	0	61	707	712	711	690	705	5423 b
NK 775	37	0	12.8	0	57	696	698	692	701	697	5362 b
WPB 911	27	2	12.9	0	60	621	672	650	700	661	5085a
<u>Durum Wheat</u>											
Turbo	36	11	11.5	0	63	744	784	825	817	793	6100 b
Al dura	31	0	12.1	0	59	747	759	801	755	766	5892 b
Gem	36	39	12.0	0	64	738	758	764	802	766	5892 b
Yavaros	35	14	12.1	0	63	736	745	764	784	757	5823 b
WPB 881	36	13	13.1	0	61	655	656	614	683	652	5015a

* All yields corrected to 10% moisture basis

** Numbers followed by the same letter are not significantly different at the 5% level using the SNK test.