

2005 - South Texas

Wheat Variety Trials

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Purpose: To provide unbiased yield, quality, and pest rating data for wheat producers across the state. With this information, Texas wheat producers can make an educated decision about the most appropriate variety for their geographic region.

Overview: The Uniform Variety Trial is coordinated and implemented by numerous TCE and TAES faculty and staff from College Station, Uvalde, and Amarillo. We greatly appreciate the cooperation of David and Mary Holubec at the Brady location. State-wide the HRW wheat trial was planted in 24 locations with 22 being harvested. In South Texas, two locations were planted, Brady and Uvalde. At Uvalde, 3 irrigation regimes were used to grow the wheat crop, including 100% PET, 75% PET, and 50% PET. Below is a table describing the major “issues” that affected the 2004-05 wheat crop at each location.

Funding: The State Uniform Variety Trial is funded by the Texas Wheat Producers Board.

Location	Issues
Brady	Leaf Rust, Barley Yellow Dwarf Virus, dry spring
Uvalde	Leaf rust and Stripe Rust, and dry spring.



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South Texas - Hard Red Winter Wheat Variety Trial 2004-05

Variety	Source	Average Bu/A	Brady Bu/A	Uvalde 100% PET Bu/A	Uvalde 70% PET Bu/A	Uvalde 50% PET Bu/A	Average T.W. Lbs/Bu
*TX01D3232	TAMU	66.1	50	72	67	76	57.8
*TX00D1390	TAMU	63.9	47	73	70	66	60.8
TAM 303	TAMU	58.3	52	63	58	59	57.7
Fannin	Agri-Pro	56.2	47	62	72	43	60.4
Ogallala	Agri-Pro	55.0	44	59	56	61	59.2
Coronado	Agri-Pro	54.4	47	59	62	50	58.7
Stanton	KSU	53.7	49	57	59	50	59.2
*TX01M5009	TAMU	51.8	5	72	64	67	57.7
TAM 112	TAMU	51.8	62	48	48	50	59.2
Jagger	KSU	51.5	43	56	57	50	57.2
***2145+Coronado+Fannin		51.5	45	51	60	50	59.5
***Fannin+Cutter+Sturdy2K		51.3	39	57	49	61	59.1
Overley	KSU	51.2	45	50	63	47	59.6
Jagelene	Agri-Pro	50.7	50	54	52	47	59.6
Dumas	Agri-Pro	50.4	39	58	57	47	58.2
*Agri-Pro 4342	Agri-Pro	49.7	43	53	57	46	60.1
*TX00V1117	TAMU	48.9	49	49	40	57	58.9
Cutter	Agri-Pro	47.2	44	50	50	45	58.3
TAM 202	TAMU	47.2	44	51	51	43	57.7
Trego	KSU	46.9	49	42	55	42	58.9
TAM W 101	TAMU	46.2	44	44	57	40	57.2
TAM 111	TAMU	45.3	51	45	41	44	59.6
***TAM111+Cutter+Sturdy2K		44.3	45	45	48	39	58.4
2145	KSU	43.4	47	37	53	36	57.0
Sturdy 2K	TAMU	41.3	43	39	42	41	57.3
Longhorn	Agri-Pro	37.8	7*	50	52	42	57.6
TAM 105	TAMU	36.3	41	37	39	28	56.7
AP502 CL	Agri-Pro	36.0	54	32	30	27	55.4
Thunderbolt	Agri-Pro	35.0	49	32	28	31	58.9
OK 102	OSU	34.4	40	29	39	29	57.7
TAM 110 CL	TAMU	31.7	47	24	31	25	56.4
Cisco	Goertzen	31.6	40	29	30	28	55.8
**Deliver	OSU	30.2	5	36	45	35	58.1
TAM 110	TAMU	28.5	49	22	23	21	55.8
TAM 107	TAMU	27.7	44	27	21	18	56.3
OK 101	OSU	27.4	38	20	29	23	56.6
Endurance	OSU	26.7	41	21	26	19	56.5
**Lockett	TAMU	26.1	6	34	32	32	54.7
**Abilene Ag	Abilene Ag	20.3	10	27	22	23	58.1
**HG-9	Hardeman Grain	18.7	11	20	21	22	58.4
Grand Mean			40.08	44.75	46.41	41.45	
CV			16.12	15.17	18.00	17.85	
LSD (5%)			8.47	10.76	10.02	10.03	

* Experimental wheat breeding lines

** Deer removed the wheat heads of the awnless varieties at Brady.

*** Equal mixture of three varieties.