

Blacklands – 2005

Uniform Wheat Variety Trials

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Purpose: To provide unbiased yield 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: This Uniform Variety Trial (UVT) evaluated both hard and soft wheat varieties within the same trial. This research is coordinated and implemented by numerous TCE and TAES faculty and staff from Amarillo, Dallas, College Station, and Commerce. We greatly appreciate the cooperation of Bob Beakley at the Ellis County location. We also appreciate the cooperation from numerous County Extension and IPM Agents. The HRW and SRW UVT was planted and harvested at 3 locations within the Blacklands, including Prosper, Bardwell, and McGregor, and the SRW UVT alone was planted at Royse City. Below is a table describing the “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
McGregor	Leaf rust, stripe rust, dry spring
Ellis County	Leaf rust, dry spring
Prosper	Leaf rust, stripe rust, dry spring
Royse City	Stripe rust, leaf rust, dry spring, some bird damage



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Uniform Wheat Variety Trial - McGregor 2005

Class.	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2005	2-Year**	3-Year***	2005
H	2145	KSU	42	50	56	59.1
H	Abilene Ag Exp*	Abilene Ag	40	-	-	58.7
H	AgriPro 4342*	AgriPro	46	-	-	61.0
H	AP 502 CL	AgriPro	41	34	38	56.2
S	B980582*	Syngenta	46	-	-	59.2
S	Beretta	AgriPro	62	-	-	56.0
H	Cisco	WestBred	46	-	-	57.9
S	Coker 9553	AgriPro	70	-	-	57.8
H	Coronado	AgriPro	48	46	46	59.7
S	Crawford	AgriPro	60	64	-	56.5
H	Cutter	AgriPro	38	44	54	59.2
H	Deliver	OSU	48	-	-	58.0
S	DK 1551W	Delta King	62	-	-	57.3
S	DK 7710	Delta King	50	-	-	57.8
S	DK 7830	Delta King	45	-	-	57.8
S	DK 7900	Delta King	47	-	-	56.9
S	DK 9410	Delta King	52	-	-	57.9
H	Dumas	AgriPro	38	42	42	58.7
H	Endurance	OSU	50	-	-	58.0
H	Fannin	AgriPro	60	59	-	58.9
S	HBK 3266	Hornbeck	60	-	-	59.5
H	HG-9	Hardeman Grain	41	-	-	56.7
H	Jagalene	AgriPro	39	41	55	59.2
H	Jagger	KSU	36	32	40	58.8
S	LA 481	Terral Seed	69	-	-	56.0
S	LA 9560*	LSU	64	-	-	60.3
H	Lockett	TAMU	32	25	31	55.8
H	Longhorn	AgriPro	33	33	35	57.8
S	Mason	AgriPro	50	60	-	52.6
S	Natchez	AgriPro	52	61	-	56.8
S	NK Coker 9295	Syngenta	56	56	-	59.1
S	NK Coker 9375	Syngenta	40	53	-	56.1
S	NK Coker 9663	Syngenta	49	49	-	58.1
H	Ogallala	AgriPro	52	46	51	59.1
H	OK 101	OSU	34	-	-	57.0
H	OK 102	OSU	34	44	45	58.5
H	Overley	KSU	59	54	-	58.9
S	P25R37	Pioneer	43	43	-	57.9
S	P25R47	Pioneer	60	65	-	53.8
S	Panola	AgriPro	55	-	-	55.4
S	Progeny 110	Progeny	49	47	-	57.6
S	Progeny 125	Progeny	36	-	-	57.8
S	Progeny 133	Progeny	46	46	-	57.2
S	Progeny 145	Progeny	40	43	-	57.5
S	Progeny 155	Progeny	30	-	-	55.9

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Uniform Wheat Variety Trial - McGregor 2005 (cont'd)

Class.	Source	Variety	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2005	2-Year**	3-Year***	2005
S	Progeny 156	Progeny	41	41	-	54.8
S	Progeny 166	Progeny	42	42	-	57.1
S	Progeny 185	Progeny	61	-	-	57.5
H	Stanton	KSU	39	46	48	59.0
H	Sturdy 2K	TAMU	53	50	52	58.9
H	TAM 105	TAMU	36	-	-	56.0
H	TAM 107	TAMU	34	30	35	56.7
H	TAM 110	TAMU	41	35	40	56.6
H	TAM 110 CL	TAMU	35	34	40	56.7
H	TAM 111	TAMU	51	44	54	59.0
H	TAM 112	TAMU	48	45	-	59.3
H	TAM 202	TAMU	36	31	38	56.9
H	TAM 303	TAMU	58	57	-	57.7
H	TAM W-101	TAMU	40	30	-	57.0
H	Thunderbolt	AgriPro	46	42	44	59.9
H	Trego	KSU	42	46	47	58.9
S	TV 8450	Terral Seed	47	-	-	57.4
S	TV 8466	Terral Seed	66	-	-	57.7
S	TV 8502	Terral Seed	38	-	-	57.1
S	TV 8565	Terral Seed	46	-	-	56.9
S	TVX83W479*	Terral Seed	68	-	-	57.3
S	TVX84W451*	Terral Seed	44	-	-	56.3
H	TX00D1390*	TAMU	69	-	-	59.1
H	TX00V1117*	TAMU	53	-	-	58.2
H	TX01D3232*	TAMU	63	-	-	57.0
H	TX01M5009*	TAMU	65	64	-	57.7
S	UGA 2E26*	UGA	74	-	-	60.2
S	UGA 2E31*	UGA	67	-	-	59.5
S	USG 3209	UniSouth Genetics	61	-	-	59.8
S	USG 3592	UniSouth Genetics	54	-	-	59.8
Mean			49	45	45	57.8

* experimental variety

** yield average for 2004 and 2005

*** yield average for 2003, 2004, and 2005



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Uniform Wheat Variety Trial - Ellis County 2005

Class.	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)
			2005	2-Year**	2005
H	2145	KSU	42	46	59.2
H	Abilene Ag Exp*	Abilene Ag	51	-	61.3
H	AgriPro 4342*	AgriPro	52	-	61.9
H	AP 502 CL	AgriPro	30	35	53.7
S	B980582*	Syngenta	51	-	60.9
S	Beretta	AgriPro	72	-	60.0
H	Cisco	WestBred	44	-	56.2
S	Coker 9553	AgriPro	74	-	62.1
H	Coronado	AgriPro	56	53	58.5
S	Crawford	AgriPro	64	62	60.6
H	Cutter	AgriPro	35	41	58.5
H	Deliver	OSU	57	-	59.7
S	DK 1551W	Delta King	57	-	60.3
S	DK 7710	Delta King	58	-	58.9
S	DK 7830	Delta King	56	-	58.3
S	DK 7900	Delta King	56	-	58.6
S	DK 9410	Delta King	56	-	58.4
H	Dumas	AgriPro	51	54	60.6
H	Endurance	OSU	59	-	57.1
H	Fannin	AgriPro	65	61	61.7
S	HBK 3266	Hornbeck	53	-	59.0
H	HG-9	Hardeman Grain	49	-	60.8
H	Jagalene	AgriPro	31	41	58.7
H	Jagger	KSU	37	42	57.2
S	LA 481	Terral Seed	84	-	61.2
S	LA 9560*	LSU	73	-	62.6
H	Lockett	TAMU	20	23	56.2
H	Longhorn	AgriPro	45	38	59.8
S	Mason	AgriPro	50	50	58.4
S	Natchez	AgriPro	56	49	58.1
S	NK Coker 9295	Syngenta	46	51	57.1
S	NK Coker 9375	Syngenta	42	45	58.2
S	NK Coker 9663	Syngenta	42	46	58.1
H	Ogallala	AgriPro	52	46	62.1
H	OK 101	OSU	45	-	60.0
H	OK 102	OSU	42	51	60.8
H	Overley	KSU	48	50	61.4
S	P25R37	Pioneer	54	51	60.9
S	P25R47	Pioneer	77	62	58.1
S	Panola	AgriPro	64	-	59.6
S	Progeny 110	Progeny	56	42	58.9
S	Progeny 125	Progeny	27	-	55.9
S	Progeny 133	Progeny	55	45	59.0
S	Progeny 145	Progeny	53	40	59.5
S	Progeny 155	Progeny	38	-	54.5

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Uniform Wheat Variety Trial - Ellis County 2005 (cont'd)

Class.	Source	Variety	Grain Yield (bu/ac)		Test Weight (lb/bu)
			2005	2-Year**	2005
S	Progeny 156	Progeny	55	50	58.4
S	Progeny 166	Progeny	56	41	58.2
S	Progeny 185	Progeny	50	-	58.5
H	Stanton	KSU	41	47	58.5
H	Sturdy 2K	TAMU	55	52	59.8
H	TAM 105	TAMU	42	-	59.3
H	TAM 107	TAMU	29	34	54.8
H	TAM 110	TAMU	32	39	53.5
H	TAM 110 CL	TAMU	33	40	54.7
H	TAM 111	TAMU	54	52	58.8
H	TAM 112	TAMU	39	48	57.0
H	TAM 202	TAMU	34	39	56.1
H	TAM 303	TAMU	52	59	58.1
H	TAM W-101	TAMU	36	34	58.9
H	Thunderbolt	AgriPro	44	35	61.2
H	Trego	KSU	36	43	57.9
S	TV 8450	Terral Seed	54	-	58.8
S	TV 8466	Terral Seed	65	-	59.2
S	TV 8502	Terral Seed	57	-	58.6
S	TV 8565	Terral Seed	54	-	58.5
S	TVX83W479*	Terral Seed	68	-	60.3
S	TVX84W451*	Terral Seed	37	-	54.1
H	TX00D1390*	TAMU	51	-	57.7
H	TX00V1117*	TAMU	67	-	60.7
H	TX01D3232*	TAMU	66	-	59.9
H	TX01M5009*	TAMU	59	56	60.9
S	UGA 2E26*	UGA	69	-	62.1
S	UGA 2E31*	UGA	57	-	61.5
S	USG 3209	UniSouth Genetics	63	-	60.1
S	USG 3592	UniSouth Genetics	39	-	60.9
Mean			51	46	58.9

* experimental wheat breeding line

** yield average for 2004 and 2005



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Uniform Wheat Variety Trial - Propser 2005

Class.	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2005	2-Year**	3-Year***	2005
H	2145	KSU	45	54	57	59.2
H	Abilene Ag Exp*	Abilene Ag	60	-	-	60.9
H	AgriPro 4342*	AgriPro	76	-	-	62.3
H	AP 502 CL	AgriPro	41	40	44	58.1
S	B980582*	Syngenta	50	-	-	59.5
S	Beretta	AgriPro	63	-	-	59.0
H	Cisco	WestBred	43	-	-	59.4
S	Coker 9553	AgriPro	73	-	-	61.1
H	Coronado	AgriPro	63	54	53	60.5
S	Crawford	AgriPro	73	68	-	60.2
H	Cutter	AgriPro	60	59	57	61.0
H	Deliver	OSU	67	-	-	60.1
S	DK 1551W	Delta King	67	-	-	59.3
S	DK 7710	Delta King	78	-	-	58.9
S	DK 7830	Delta King	67	-	-	59.1
S	DK 7900	Delta King	66	-	-	58.4
S	DK 9410	Delta King	70	-	-	59.0
H	Dumas	AgriPro	39	47	53	59.7
H	Endurance	OSU	66	-	-	60.3
H	Fannin	AgriPro	69	66	-	61.6
S	HBK 3266	Hornbeck	63	-	-	60.0
H	HG-9	Hardeman Grain	53	-	-	60.9
H	Jagalene	AgriPro	50	54	56	61.3
H	Jagger	KSU	45	42	45	59.8
S	LA 481	Terral Seed	60	-	-	59.8
S	LA 9560*	LSU	60	-	-	60.9
H	Lockett	TAMU	39	40	39	56.5
H	Longhorn	AgriPro	52	50	49	60.2
S	Mason	AgriPro	61	59	-	58.7
S	Natchez	AgriPro	66	63	-	59.5
S	NK Coker 9295	Syngenta	56	57	-	59.3
S	NK Coker 9375	Syngenta	57	60	-	57.6
S	NK Coker 9663	Syngenta	45	53	-	57.5
H	Ogallala	AgriPro	61	62	57	61.8
H	OK 101	OSU	44	-	-	59.7
H	OK 102	OSU	39	50	50	61.0
H	Overley	KSU	61	60	-	60.9
S	P25R37	Pioneer	62	63	-	60.6
S	P25R47	Pioneer	75	77	-	58.2
S	Panola	AgriPro	78	-	-	59.0
S	Progeny 110	Progeny	66	59	-	58.9
S	Progeny 125	Progeny	34	-	-	56.4
S	Progeny 133	Progeny	69	61	-	58.8
S	Progeny 145	Progeny	71	64	-	59.0
S	Progeny 155	Progeny	49	-	-	57.2

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Uniform Wheat Variety Trial - Propser 2005 (cont'd)

Source	Variety	Grain Yield (bu/ac)			Test Weight (lb/bu)	
		2005	2-Year**	3-Year***	2005	
S	Progeny 156	Progeny	62	62	-	57.4
S	Progeny 166	Progeny	76	66	-	59.4
S	Progeny 185	Progeny	65	-	-	58.5
H	Stanton	KSU	54	59	58	61.0
H	Sturdy 2K	TAMU	63	56	56	60.1
H	TAM 105	TAMU	38	-	-	59.0
H	TAM 107	TAMU	42	40	43	58.9
H	TAM 110	TAMU	43	43	47	57.6
H	TAM 110 CL	TAMU	49	45	48	59.0
H	TAM 111	TAMU	66	61	58	61.1
H	TAM 112	TAMU	46	52	-	58.0
H	TAM 202	TAMU	47	48	51	60.4
H	TAM 303	TAMU	60	63	-	58.0
H	TAM W-101	TAMU	47	42	-	61.3
H	Thunderbolt	AgriPro	57	50	52	61.5
H	Trego	KSU	46	52	53	61.5
S	TV 8450	Terral Seed	69	-	-	58.3
S	TV 8466	Terral Seed	62	-	-	57.7
S	TV 8502	Terral Seed	73	-	-	59.4
S	TV 8565	Terral Seed	72	-	-	58.7
S	TVX83W479*	Terral Seed	72	-	-	58.5
S	TVX84W451*	Terral Seed	43	-	-	57.5
H	TX00D1390*	TAMU	60	-	-	61.4
H	TX00V1117*	TAMU	55	-	-	60.0
H	TX01D3232*	TAMU	64	-	-	59.6
H	TX01M5009*	TAMU	76	69	-	59.6
S	UGA 2E26*	UGA	73	-	-	60.8
S	UGA 2E31*	UGA	74	-	-	61.3
S	USG 3209	UniSouth Genetics	70	-	-	59.6
S	USG 3592	UniSouth Genetics	49	-	-	60.0
		Mean	59	56	51	59.5

* experimental variety

** yield average for 2004 and 2005

*** yield average for 2003, 2004, and 2005



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Uniform Wheat Variety Trial - Royse City 2005

Variety	Source	Grain Yield	Test Weight
		(bu/ac)	(lb/bu)
		2005	2005
B980582*	Syngenta	61	59.5
Beretta	AgriPro	69	57.3
Crawford	AgriPro	80	60.1
DK 1551W	Delta King	76	57.9
DK 7710	Delta King	80	59.1
DK 7830	Delta King	73	58.3
DK 7900	Delta King	76	58.5
DK 9410	Delta King	77	58.7
HBK 3266	Hornbeck	71	58.9
LA 481	Terral Seed	94	59.5
LA 9560	LSU	89	59.8
Mason	AgriPro	75	59.3
Natchez	AgriPro	71	58.4
NK Coker 9295	Syngenta	54	57.9
NK Coker 9375	Syngenta	64	56.7
NK Coker 9553	Syngenta	90	60.3
NK Coker 9663	Syngenta	61	57.8
P25R37	Pioneer	71	59.3
P25R47	Pioneer	90	56.8
Panola	AgriPro	82	58.0
Progeny 110	Progeny	66	58.9
Progeny 125	Progeny	44	56.6
Progeny 133	Progeny	75	58.5
Progeny 145	Progeny	70	58.4
Progeny 155	Progeny	49	55.7
Progeny 156	Progeny	67	57.7
Progeny 166	Progeny	75	58.7
Progeny 185	Progeny	71	56.3
TV8450	Terral Seed	72	57.6
TV8466	Terral Seed	79	58.0
TV8502	Terral Seed	81	58.8
TV8565	Terral Seed	74	58.2
TVX83W479*	Terral Seed	86	58.4
TVX84W451*	Terral Seed	51	55.4
UGA 2E26*	UGA	85	60.6
UGA 2E31*	UGA	84	61.3
USG 3209	UniSouth Genetics	85	59.7
USG 3592	UniSouth Genetics	62	60.4
		Mean	73.1
			58.5

* experimental wheat breeding line



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