

Rolling Plains – 2005 Uniform Wheat Variety Trials

Gaylon Morgan, TCE State Small Grains Specialist – College Station
Jackie Rudd, Wheat Breeder – Amarillo
Todd Baughman, Extension Agronomist - Vernon
Jason Baker, Research Associate – Vernon
Revindra Devkota, Research Associate – Amarillo
Jacob Shaffer, Graduate Student – College Station
Ben McKay, Extension Assistant – College Station

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: The Uniform Variety Trial (UVT) is coordinated and implemented by numerous TCE and TAES faculty and staff from Amarillo, Vernon, and College Station. Dr. David Worrall with Agri-Pro Wheat is also a key collaborator and contributed data from the Muenster location. We also appreciate the cooperation from numerous County Extension Agents and growers. In the Rolling Plains, three locations of the UVT were planted, Abilene, Chillicothe, and Chillicothe/Hardeman Grain. 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
Muenster – Dryland	Stripe rust, dry spring
Abilene - Dryland	December planted, wet winter, dry spring, minimal spring disease pressure
Chillicothe - Dryland	Wet fall and winter followed by a dry spring, stripe rust
Chillicothe/Hardeman Grain - Dryland	Wet fall and winter followed by a dry spring



The information given herein is for educational purposes only. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by Texas Cooperative Extension, Texas Agricultural Experiment Station and Texas A&M University is implied.

Educational programs conducted by Texas Cooperative Extension, Texas Agricultural Experiment Station and Texas A&M University are open to people without regard to race, color, sex, disability, religion, age, or national origin.

Uniform Wheat Variety Trial - Muenster, Dryland 2005

Variety	Source	Grain Yield	Test Weight
		(bu/ac)	(lb/bu)
		2005	2005
2145	KSU	57.5	60.0
2174	OSU	31.8	57.5
2145 + Coronado + Fannin	(blend)	50.7	59.7
Abilene Ag Exp*	Abilene Ag	28.2	56.5
AP02T4342	AgriPro	53.2	58.5
Cisco	WestBred	39.7	57.4
Coronado	AgriPro	39.5	57.8
Cutter	AgriPro	40.9	57.2
Deliver	OSU	46.6	59.4
Dumas	AgriPro	46.7	60.2
Endurance	OSU	46.7	58.6
Fannin	AgriPro	51.3	59.6
Fannin + Cutter + Sturdy 2K	(blend)	49.3	58.4
HG-9	Hardeman Grain	27.1	57.1
Jagalene	AgriPro	44.1	57.9
Jagger	KSU	35.1	57.1
Lockett	TAMU	19.7	57.1
Longhorn	AgriPro	24.3	57.2
NEOSHO	AgriPro	31.7	56.5
Ogallala	AgriPro	32.0	57.9
OK 101	OSU	33.4	56.5
OK 102	OSU	37.5	59.5
Overley	KSU	36.3	56.0
Stanton	KSU	19.9	56.5
Sturdy 2K	TAMU	48.9	58.0
TAM 105	TAMU	14.9	56.8
TAM 107	TAMU	18.3	58.0
TAM 110	TAMU	22.8	57.3
TAM 110 CL	TAMU	19.3	56.8
TAM 111	AgriPro	29.0	55.5
TAM 111 + Cutter + Sturdy 2K	(blend)	41.3	57.9
TAM 112	TAMU	26.9	57.0
TAM 202	TAMU	13.3	57.2
TAM W-101	TAMU	19.5	56.2
Thunderbolt	AgriPro	15.9	57.8
Trego	KSU	31.7	56.5
TX00D1390*	TAMU	53.5	58.7
TX00V1117*	TAMU	29.5	56.4
TX01D3232*	TAMU	52.3	56.9
TX01M5009*	TAMU	48.7	59.2
TX98D1170*	TAMU	45.0	57.5
	Mean	34.0	57.7

* experimental wheat breeding line



The information given herein is for educational purposes only. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by Texas Cooperative Extension, Texas Agricultural Experiment Station and Texas A&M University is implied.

Educational programs conducted by Texas Cooperative Extension, Texas Agricultural Experiment Station and Texas A&M University are open to people without regard to race, color, sex, disability, religion, age, or national origin.

Uniform Wheat Variety Trial - Abilene, Dryland 2005

Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)
		2005	2-Year**	2005
2145	KSU	48	51	58.0
2145 + Coronado + Fannin	(blend)	48	-	58.5
Abilene Ag Exp*	Abilene Ag	35	-	58.2
AgriPro 4342*	AgriPro	49	-	59.4
AP 502 CL	AgriPro	37	41	58.0
Cisco	WestBred	40	-	58.3
Coronado	AgriPro	47	49	59.7
Cutter	AgriPro	47	50	59.2
Deliver	OSU	44	-	58.7
Dumas	AgriPro	29	42	59.1
Endurance	OSU	40	-	57.8
Fannin	AgriPro	44	46	59.8
Fannin + Cutter + Sturdy 2K	(blend)	47	-	59.2
HG-9	Hardeman Grain	41	-	59.3
Jagalene	AgriPro	48	53	60.7
Jagger	KSU	52	47	57.2
Lockett	TAMU	29	31	55.6
Longhorn	AgriPro	28	36	57.7
Ogallala	AgriPro	44	47	59.7
OK 101	OSU	34	-	58.1
OK 102	OSU	27	37	59.1
Overley	KSU	45	48	60.1
Stanton	KSU	42	48	59.3
Sturdy 2K	TAMU	36	38	58.2
TAM 105	TAMU	32	-	58.4
TAM 107	TAMU	32	37	59.0
TAM 110	TAMU	35	42	59.0
TAM 110 CL	TAMU	37	45	58.8
TAM 111	TAMU	50	49	60.4
TAM 111 + Cutter + Sturdy 2K	(blend)	53	-	58.6
TAM 112	TAMU	45	50	61.0
TAM 202	TAMU	38	44	59.7
TAM 303	TAMU	46	54	58.6
TAM W-101	TAMU	35	40	58.1
Thunderbolt	AgriPro	42	45	60.0
Trego	KSU	50	52	59.7
TX00D1390*	TAMU	58	-	60.6
TX00V1117*	TAMU	30	-	59.6
TX01D3232*	TAMU	59	-	58.2
TX01M5009*	TAMU	56	55	57.9
	Mean	42	45	58.9

* experimental wheat breeding line

** yield average for 2004 and 2005



The information given herein is for educational purposes only. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by Texas Cooperative Extension, Texas Agricultural Experiment Station and Texas A&M University is implied.

Educational programs conducted by Texas Cooperative Extension, Texas Agricultural Experiment Station and Texas A&M University are open to people without regard to race, color, sex, disability, religion, age, or national origin.

Uniform Wheat Variety Trial - Chillicothe, Dryland 2005

Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
		2005	2-Year**	3-Year***	2005
2145	KSU	43	51	51	64.7
2174	OSU	27	42	39	63.8
Abilene Ag Exp*	Abilene Ag	51	-	-	62.7
AgriPro 4342*	AgriPro	53	-	-	64.6
AP 502 CL	AgriPro	36	48	45	60.3
Cisco	WestBred	40	40	43	62.8
Coronado	AgriPro	38	48	45	63.3
Cutter	AgriPro	53	57	56	63.8
Deliver	OSU	42	-	-	63.8
Dumas	AgriPro	41	48	48	65.1
Endurance	OSU	47	-	-	63.5
Fannin	AgriPro	46	53	-	63.3
HG-9	Hardeman Grain	55	54	50	62.7
Jagalene	AgriPro	54	57	57	64.4
Jagger	KSU	49	54	53	63.0
Lockett	TAMU	39	46	45	63.3
Longhorn	AgriPro	41	46	43	62.5
Ogallala	AgriPro	52	53	51	64.4
OK 101	OSU	35	49	47	64.7
OK 102	OSU	32	44	43	64.6
Overley	KSU	58	58	-	64.6
Stanton	KSU	36	47	46	62.7
Sturdy 2K	TAMU	46	51	-	63.3
TAM 105	TAMU	43	-	-	61.3
TAM 107	TAMU	34	46	45	62.1
TAM 110	TAMU	40	49	47	61.7
TAM 110 CL	TAMU	38	48	45	62.4
TAM 111	TAMU	54	57	54	64.0
TAM 112	TAMU	42	55	-	64.1
TAM 202	TAMU	37	48	47	64.4
TAM 303	TAMU	43	52	-	63.0
TAM W-101	TAMU	31	42	40	64.0
Thunderbolt	AgriPro	47	48	47	64.1
Trego	KSU	31	46	47	64.1
TX00D1390*	TAMU	51	-	-	64.1
TX00V1117*	TAMU	60	-	-	57.0
TX01D3232*	TAMU	51	-	-	63.0
TX01M5009*	TAMU	47	50	-	62.2
Weathermaster 135	-	53	51	48	62.5
Wintex	-	49	52	49	62.7
	Mean	44	50	47	63.2

* experimental wheat breeding line

** yield average for 2004 and 2005

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



The information given herein is for educational purposes only. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by Texas Cooperative Extension, Texas Agricultural Experiment Station and Texas A&M University is implied.

Educational programs conducted by Texas Cooperative Extension, Texas Agricultural Experiment Station and Texas A&M University are open to people without regard to race, color, sex, disability, religion, age, or national origin.

Uniform Wheat Variety Trial - Chillicothe/Hardeman Grain, Dryland 2005

Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)
		2005	2-Year**	2005
2145	KSU	35	47	62.2
2174	OSU	21	43	61.4
Abilene Ag Exp*	Abilene Ag	25	-	59.9
AgriPro 4342*	AgriPro	34	-	62.2
AP 502 CL	AgriPro	39	53	60.3
Cisco	WestBred	30	-	61.3
Coronado	AgriPro	34	48	60.5
Cutter	AgriPro	33	50	61.6
Deliver	OSU	33	-	62.4
Dumas	AgriPro	35	52	61.6
Endurance	OSU	40	-	62.2
Fannin	AgriPro	30	50	61.3
HG-9	Hardeman Grain	21	40	59.7
Jagalene	AgriPro	41	52	63.8
Jagger	KSU	42	52	61.4
Lockett	TAMU	27	37	60.2
Longhorn	AgriPro	21	37	59.9
Ogallala	AgriPro	33	45	62.7
OK 101	OSU	32	46	61.7
OK 102	OSU	23	44	61.6
Overley	KSU	42	54	61.4
Stanton	KSU	23	43	61.6
Sturdy 2K	TAMU	31	45	61.6
TAM 105	TAMU	32	-	61.0
TAM 107	TAMU	30	44	61.0
TAM 110	TAMU	34	49	60.8
TAM 110 CL	TAMU	41	54	61.6
TAM 111	TAMU	33	48	61.6
TAM 112	TAMU	31	50	61.3
TAM 202	TAMU	36	52	59.5
TAM 303	TAMU	33	51	60.3
TAM W-101	TAMU	30	40	60.2
Thunderbolt	AgriPro	42	49	62.4
Trego	KSU	21	41	62.5
TX00D1390*	TAMU	36	-	60.5
TX00V1117*	TAMU	21	-	59.4
TX01D3232*	TAMU	34	-	60.6
TX01M5009*	TAMU	30	47	59.7
Weathermaster 135	-	27	41	61.0
Wintex	-	21	38	57.5
	Mean	31	47	61.1

* experimental wheat breeding line

** yield average for 2004 and 2005



The information given herein is for educational purposes only. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by Texas Cooperative Extension, Texas Agricultural Experiment Station and Texas A&M University is implied.

Educational programs conducted by Texas Cooperative Extension, Texas Agricultural Experiment Station and Texas A&M University are open to people without regard to race, color, sex, disability, religion, age, or national origin.