

# Rolling Plains – 2006 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:** 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 Vernon location. We also appreciate the cooperation from numerous County Extension Agents and growers. In the Rolling Plains, four UVT trials were planted in three locations: Abilene, Chillicothe, Vernon-dryland, and Vernon-irrigated. Below is a table describing the predominant issues that affected the 2005-06 wheat crop at each location.

**Rankings:** The rankings assigned to the varieties on the following pages were determined by grain yield. Where two varieties yielded the same, test weight was used as a tiebreaker.

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

Location	Issues
Abilene – Dryland	Drought stress
Chillicothe – Dryland	Drought stress
Vernon – Dryland	Drought stress
Vernon – Irrigated	



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## Uniform Wheat Variety Trial - Abilene 2006

2006 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2006	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2006
19	2145	KSU	16.4	32.1	39.3	57.5
1	2174	OSU	24.4	-	-	59.9
17	AP502 CL	AgriPro	16.7	27.1	32.9	59.5
27	AP6115*	AgriPro	14.5	-	-	56.5
28	AP6126*	AgriPro	13.9	-	-	57.7
39	AP7525*	AgriPro	8.6	-	-	-
7	Bullet	OSU	20.1	-	-	58.8
38	Coronado	AgriPro	9.5	28.3	35.8	58.5
13	Cutter	AgriPro	17.8	32.2	39.1	59.3
18	Cutter 45	AgriPro	16.5	-	-	58.9
4	Cutter 90	AgriPro	22.1	-	-	59.1
21	Deliver	OSU	16.1	30.1	-	58.1
35	Doans	AgriPro	10.9	30.2	-	57.9
29	Dumas	AgriPro	13.0	21.2	32.2	59.9
3	Duster	OSU	23.0	-	-	59.7
12	Endurance	OSU	18.4	29.1	-	58.6
40	Fannin	AgriPro	6.4	25.2	32.9	58.3
16	Fuller	KSU	16.8	-	-	57.7
15	Guymon	OSU	17.2	-	-	60.3
23	HG-9	Hardeman Grain	15.6	28.5	-	58.2
26	Jagalene	AgriPro	14.7	31.4	40.6	58.8
36	Jagger	KSU	10.7	31.4	34.6	55.3
25	Longhorn	AgriPro	14.9	21.7	29.2	58.9
24	Neosho	AgriPro	15.0	-	-	57.5
32	Ogallala	AgriPro	12.4	28.4	35.4	58.6
33	OK01307*	OSU	11.7	-	-	57.2
30	Overley	KSU	13.0	29.1	36.2	56.8
22	Santa Fe	Westbred	16.0	-	-	57.7
10	Sturdy 2K	TAMU	18.8	27.4	31.7	58.2
31	TAM 110	TAMU	12.8	23.7	32.1	58.3
11	TAM 111	TAMU	18.5	34.3	38.9	59.1
20	TAM 112	TAMU	16.2	30.6	38.9	58.1
9	TAM W-101	TAMU	19.4	27.4	33.2	57.6
6	Thunderbolt	AgriPro	20.1	31.1	36.9	59.4
5	TXD1170*	TAMU	20.6	33.3	43.0	59.6
34	TXD3232*	TAMU	11.5	35.0	-	56.0
2	TXV1117*	TAMU	23.3	26.8	-	58.6
37	TXV5314*	TAMU	10.3	-	-	56.4
8	TXV6008*	TAMU	19.8	-	-	59.7
14	Weathermaster 135	-	17.8	-	-	59.2
<b>Mean</b>			<b>15.9</b>	<b>29.0</b>	<b>35.7</b>	<b>58.3</b>
<b>CV</b>			<b>19.3</b>			
<b>LSD (5%)</b>			<b>5.0</b>			

\* experimental wheat breeding line

† yield average for 2005 and 2006

‡ yield average for 2004, 2005, and 2006



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## Uniform Wheat Variety Trial - Vernon, Dryland 2006 (AgriPro)

2006 Rank	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)	
			2006	2-Year <sup>†</sup>	2006	
36	2145	KSU	16.7	44.1	59.7	
34	2174	OSU	17.9	36.2	60.7	
20	AP502 CL	AgriPro	24.6	-	54.5	
24	AP6115*	AgriPro	21.6	-	54.9	
25	AP6126*	AgriPro	21.5	-	58.5	
38	AP7525*	AgriPro	13.9	-	60.9	
19	Bullet	OSU	24.7	-	58.6	
33	Coronado	AgriPro	18.3	33.3	58.1	
9	Cutter	AgriPro	26.2	41.8	58.5	
2	Cutter 45	AgriPro	31.0	-	58.6	
35	Cutter 90	AgriPro	17.7	-	58.9	
30	Deliver	OSU	19.1	38.4	60.1	
23	Doans	AgriPro	22.6	-	60.4	
17	Dumas	AgriPro	25.0	38.4	57.7	
5	Duster	OSU	26.9	-	60.7	
21	Endurance	OSU	24.2	45.7	58.8	
7	Fannin	AgriPro	26.7	42.4	58.9	
12	Fuller	KSU	26.0	-	57.1	
32	Guymon	OSU	18.5	-	61.1	
27	HG-9	Hardeman Grain	20.9	31.9	59.6	
11	Jagalene	AgriPro	26.1	43.5	59.8	
31	Jagger	KSU	19.0	42.7	57.7	
29	Longhorn	AgriPro	19.4	34.0	56.7	
28	Neosho	AgriPro	19.4	39.0	59.1	
39	Ogallala	AgriPro	13.6	35.0	59.5	
13	OK01307*	OSU	25.6	-	59.5	
16	Overley	KSU	25.2	45.8	60.1	
26	Santa Fe	Westbred	21.4	-	59.5	
15	Sturdy 2K	TAMU	25.5	48.7	56.5	
10	TAM 110	TAMU	26.2	39.0	56.0	
22	TAM 111	TAMU	22.8	41.2	58.5	
1	TAM 112	TAMU	32.2	44.7	58.6	
14	TAM W-101	TAMU	25.5	38.0	59.4	
18	Thunderbolt	AgriPro	24.8	36.9	61.4	
6	TXD1170*	TAMU	26.9	-	56.5	
8	TXD3232*	TAMU	26.4	48.4	56.5	
37	TXV1117*	TAMU	16.7	35.1	58.2	
3	TXV5314*	TAMU	28.1	-	56.5	
4	TXV6008*	TAMU	27.1	-	60.1	
40	Weathermaster 135	-	12.6	-	56.1	
			<b>Mean</b>	<b>22.7</b>	<b>40.2</b>	<b>58.6</b>
			<b>CV</b>	<b>15.3</b>		
			<b>LSD (5%)</b>	<b>5.7</b>		

\* experimental wheat breeding line

† yield average for 2005 and 2006



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## Uniform Wheat Variety Trial - Vernon, Irrigated 2006 (AgriPro)

2006 Rank	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)	
			2006	2-Year <sup>†</sup>	2006	
17	2145	KSU	52.0	59.4	62.0	
19	2174	OSU	50.1	52.2	62.5	
14	AP502 CL	AgriPro	52.4	-	60.1	
24	AP6115*	AgriPro	48.2	-	60.5	
38	AP6126*	AgriPro	38.9	-	62.3	
35	AP7525*	AgriPro	42.8	-	62.5	
5	Bullet	OSU	55.0	-	62.3	
39	Coronado	AgriPro	37.2	50.0	61.1	
2	Cutter	AgriPro	57.0	68.6	62.4	
15	Cutter 45	AgriPro	52.3	-	62.3	
1	Cutter 90	AgriPro	57.9	-	62.7	
4	Deliver	OSU	55.1	58.7	62.1	
32	Doans	AgriPro	44.7	-	61.9	
16	Dumas	AgriPro	52.1	55.1	63.3	
11	Duster	OSU	53.4	-	62.7	
7	Endurance	OSU	54.5	60.6	61.3	
40	Fannin	AgriPro	34.9	52.6	61.5	
25	Fuller	KSU	47.8	-	62.1	
28	Guymon	OSU	46.8	-	62.9	
34	HG-9	Hardeman Grain	42.9	52.5	61.7	
21	Jagalene	AgriPro	49.0	56.9	62.9	
30	Jagger	KSU	45.9	59.9	60.3	
37	Longhorn	AgriPro	39.0	45.7	60.9	
27	Neosho	AgriPro	47.6	62.0	62.3	
26	Ogallala	AgriPro	47.6	55.8	62.8	
23	OK01307*	OSU	48.2	-	61.7	
9	Overley	KSU	54.0	58.9	62.5	
22	Santa Fe	Westbred	48.6	-	61.3	
20	Sturdy 2K	TAMU	49.7	61.5	60.2	
18	TAM 110	TAMU	50.2	54.5	61.1	
12	TAM 111	TAMU	53.1	67.4	61.3	
3	TAM 112	TAMU	55.5	59.1	60.9	
33	TAM W-101	TAMU	43.5	47.4	61.2	
10	Thunderbolt	AgriPro	53.7	60.2	62.9	
13	TXD1170*	TAMU	53.1	-	60.3	
31	TXD3232*	TAMU	44.8	60.0	60.6	
8	TXV1117*	TAMU	54.3	52.8	63.1	
36	TXV5314*	TAMU	41.6	-	60.1	
6	TXV6008*	TAMU	54.8	-	62.7	
29	Weathermaster 135	-	46.3	-	62.0	
			<b>Mean</b>	<b>48.9</b>	<b>57.0</b>	<b>61.8</b>
			<b>CV</b>	<b>10.1</b>		
			<b>LSD (5%)</b>	<b>8.1</b>		

\* experimental wheat breeding line

<sup>†</sup> yield average for 2005 and 2006



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## Uniform Wheat Variety Trial - Chillicothe, Dryland 2006

2006 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2006	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2006
26	2145	KSU	18.3	30.7	40.4	61.7
34	2174	OSU	17.2	22.1	33.8	63.8
15	AP502 CL	AgriPro	21.0	28.7	38.7	60.3
28	AP6115*	AgriPro	18.0	-	-	61.4
37	AP6126*	AgriPro	16.1	-	-	63.3
36	AP7525*	AgriPro	16.6	-	-	61.0
6	Bullet	OSU	23.4	-	-	62.7
11	Coronado	AgriPro	22.0	30.0	39.5	61.3
3	Cutter	AgriPro	24.5	38.5	46.2	62.4
7	Cutter 45	AgriPro	22.6	-	-	63.5
14	Cutter 90	AgriPro	21.0	-	-	62.5
29	Deliver	OSU	17.9	30.0	-	62.2
33	Doans	AgriPro	17.8	35.4	-	62.4
18	Dumas	AgriPro	19.8	30.2	38.5	62.8
16	Duster	OSU	20.2	-	-	63.5
10	Endurance	OSU	22.0	34.3	-	61.7
35	Fannin	AgriPro	17.1	31.4	41.1	62.8
9	Fuller	KSU	22.3	-	-	63.0
24	Guymon	OSU	18.4	-	-	64.3
22	HG-9	Hardeman Grain	18.8	36.8	42.4	62.1
2	Jagalene	AgriPro	24.5	39.4	46.4	62.2
31	Jagger	KSU	17.9	33.6	42.3	61.1
39	Longhorn	AgriPro	15.9	28.4	36.1	60.6
38	Neosho	AgriPro	16.0	-	-	62.5
40	Ogallala	AgriPro	14.3	33.2	39.9	62.9
30	OK01307*	OSU	17.9	-	-	62.1
13	Overley	KSU	21.9	39.7	45.7	62.5
23	Santa Fe	Westbred	18.7	-	-	61.7
21	Sturdy 2K	TAMU	19.0	32.3	40.2	59.7
17	TAM 110	TAMU	20.0	29.8	39.5	60.8
25	TAM 111	TAMU	18.4	36.4	44.1	62.5
4	TAM 112	TAMU	24.5	33.4	44.6	61.9
27	TAM W-101	TAMU	18.2	24.6	34.1	61.0
12	Thunderbolt	AgriPro	22.0	34.4	39.4	63.3
1	TXD1170*	TAMU	24.8	33.9	43.2	60.5
20	TXD3232*	TAMU	19.1	35.0	-	59.7
5	TXV1117*	TAMU	23.4	41.6	-	63.2
19	TXV5314*	TAMU	19.6	-	-	59.5
8	TXV6008*	TAMU	22.5	-	-	62.8
32	Weathermaster 135	-	17.9	35.3	40.2	62.1
<b>Mean</b>			<b>19.9</b>	<b>33.0</b>	<b>40.8</b>	<b>62.0</b>
<b>CV</b>			<b>9.3</b>			
<b>LSD (5%)</b>			<b>3.0</b>			

\* experimental wheat breeding line

<sup>†</sup> yield average for 2005 and 2006

<sup>‡</sup> yield average for 2004, 2005, and 2006



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