

# High Plains – 2006

## Uniform Wheat Variety Trials

<http://varietytesting.tamu.edu>

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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, Dallas, Vernon, and College Station. Dr. David Worrall with Agri-Pro Wheat is also a key collaborator and contributed data from the Perryton location. We also appreciate the cooperation from numerous County Extension Agents and growers. In the High Plains, nine locations of the HRW UVT were harvested (6 irrigated, 3 dryland). 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 2006 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
Clovis – Irrigated	Heat stress, possible greenbug and wheat streak mosaic
Nazareth – Irrigated	Drought stress, barley yellow dwarf, greenbug, and wheat streak mosaic present
Bushland – Irrigated	Shattering
Etter – Irrigated	Greenbug pressure
Dalhart – Irrigated	Low level of wheat streak mosaic infection present
Perryton – Irrigated	Late-planted; late-season heat stress
Clovis – Dryland	Drought stress
Claude – Dryland	Drought stress
Bushland – Dryland	Drought stress



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## Uniform Wheat Variety Trial - Clovis, Irrigated 2006

2006 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2006	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2006
3	AP502 CL	AgriPro	95.0	82.2	79.5	59.0
30	AP6115*	AgriPro	72.6	-	-	60.7
29	AP6126*	AgriPro	73.5	-	-	62.3
7	Blend	(TAM 110, TAM 111, Jagalene)	87.8	-	-	58.7
36	Coronado	AgriPro	68.0	73.0	74.6	59.3
34	Cutter	AgriPro	68.5	61.0	67.8	62.0
38	Deliver	OSU	58.8	60.0	-	60.7
31	Doans (AP4342)	AgriPro	72.5	72.7	-	62.3
9	Dumas	AgriPro	85.3	81.1	81.4	62.3
12	Duster (OK...3299)	OSU	84.0	-	-	61.0
25	Endurance	OSU	77.2	77.7	-	60.7
26	Fannin	AgriPro	77.2	60.6	66.6	60.0
18	Fuller (KS00F5-14-7)	KSU	81.2	-	-	62.3
24	Guymon	OSU	78.2	-	-	62.3
2	Hatcher	CSU	95.2	-	-	62.3
27	Jagalene	AgriPro	76.4	74.6	79.0	62.0
8	Jagger	KSU	85.8	68.9	74.5	60.7
6	Keota	Westbred	88.2	-	-	59.7
37	Kojak (AP7525)	AgriPro	65.7	-	-	59.7
11	KS03HW158*	KSU	84.7	-	-	60.7
39	Longhorn	AgriPro	56.4	63.1	63.9	58.7
19	Neosho	AgriPro	80.4	-	-	60.3
28	Ogallala	AgriPro	75.2	71.6	74.5	62.3
22	OK Bullet	OSU	79.7	-	-	61.0
14	OK01307*	OSU	83.9	-	-	60.7
32	Overley	KSU	72.0	73.6	74.2	61.3
21	Santa Fe	Westbred	80.1	-	-	60.3
40	Sturdy 2K	TAMU	46.6	53.2	61.2	59.3
17	T81	Trio Seed Research	81.9	77.5	-	60.3
13	TAM 105	TAMU	84.0	83.7	79.7	59.0
5	TAM 110	TAMU	89.5	78.9	80.7	60.7
4	TAM 111	TAMU	93.5	78.5	80.5	61.3
15	TAM 112	TAMU	82.8	62.0	68.4	61.7
35	TAM W-101	TAMU	68.4	64.5	67.1	58.0
23	TXA5936*	TAMU	79.2	-	-	61.3
20	TXD1170*	TAMU	80.3	71.9	76.3	60.0
16	TXD3232*	TAMU	82.0	89.1	-	60.3
1	TXV1117*	TAMU	104.3	84.1	-	61.3
10	TXV5314*	TAMU	85.3	-	-	60.0
33	TXV6008*	TAMU	68.5	-	-	62.3
<b>Mean</b>			<b>78.7</b>	<b>72.3</b>	<b>73.5</b>	<b>60.7</b>
<b>CV</b>			<b>11.3</b>			
<b>LSD (5%)</b>			<b>14.4</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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## Uniform Wheat Variety Trial - Nazareth 2006

2006 Rank	Variety	Source	Grain Yield (bu/ac)		
			2006	2-Year <sup>†</sup>	3-Year <sup>‡</sup>
10	AP502 CL	AgriPro	102.7	79.7	80.3
12	AP6115*	AgriPro	101.8	-	-
32	AP6126*	AgriPro	87.6	-	-
5	Blend	(TAM 110, TAM 111, Jagalene)	104.9	-	-
22	Coronado	AgriPro	94.2	69.1	81.6
8	Cutter	AgriPro	103.6	80.9	81.4
37	Deliver	OSU	77.9	67.4	-
21	Doans (AP4342)	AgriPro	95.4	77.2	-
33	Dumas	AgriPro	86.5	70.7	84.2
14	Duster (OK...3299)	OSU	101.1	-	-
27	Endurance	OSU	92.0	73.4	-
34	Fannin	AgriPro	86.4	73.5	73.9
30	Fuller (KS00F5-14-7)	KSU	90.3	-	-
3	Guymon	OSU	110.2	-	-
24	Hatcher	CSU	92.5	-	-
15	Jagalene	AgriPro	100.1	82.1	87.3
36	Jagger	KSU	85.3	71.1	74.4
13	Keota	Westbred	101.7	-	-
20	Kojak (AP7525)	AgriPro	97.0	-	-
4	KS03HW158*	KSU	109.2	-	-
38	Longhorn	AgriPro	74.7	67.4	70.3
28	Neosho	AgriPro	91.7	-	-
26	Ogallala	AgriPro	92.1	74.7	81.6
29	OK Bullet	OSU	90.6	-	-
17(tie)	OK01307*	OSU	97.8	-	-
31	Overley	KSU	90.0	76.6	73.6
23	Santa Fe	Westbred	93.9	-	-
40	Sturdy 2K	TAMU	64.7	61.2	55.7
7	T81	Trio Seed Research	103.9	80.9	-
11	TAM 105	TAMU	102.0	81.8	84.3
19	TAM 110	TAMU	97.1	76.6	78.8
6	TAM 111	TAMU	104.6	93.2	101.4
9	TAM 112	TAMU	103.2	80.5	82.5
25	TAM W-101	TAMU	92.4	69.8	72.8
35	TXA5936*	TAMU	85.6	-	-
2	TXD1170*	TAMU	112.7	82.3	80.8
16	TXD3232*	TAMU	98.6	81.7	-
1	TXV1117*	TAMU	117.4	91.9	-
17(tie)	TXV5314*	TAMU	97.8	-	-
39	TXV6008*	TAMU	74.2	-	-
<b>Mean</b>			<b>95.1</b>	<b>76.7</b>	<b>79.1</b>
<b>CV</b>			<b>11.7</b>		
<b>LSD (5%)</b>			<b>22.5</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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## Uniform Wheat Variety Trial - Bushland, Irrigated 2006

2006 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2006	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2006
8	AP502 CL	AgriPro	82.9	57.1	73.0	61.1
26	AP6115*	AgriPro	71.0	-	-	60.5
19	AP6126*	AgriPro	73.9	-	-	62.7
14	Blend	(TAM 110, TAM 111, Jagalene)	77.0	-	-	62.1
21	Coronado	AgriPro	73.5	50.1	68.0	61.8
33	Cutter	AgriPro	67.3	62.1	75.7	62.0
16	Deliver	OSU	76.1	65.1	-	63.1
29	Doans (AP4342)	AgriPro	68.3	60.1	-	62.9
27	Dumas	AgriPro	70.3	52.1	67.5	63.1
13	Duster (OK...3299)	OSU	77.5	-	-	62.1
31	Endurance	OSU	68.1	55.7	-	61.8
37	Fannin	AgriPro	60.7	57.8	68.0	62.3
24	Fuller (KS00F5-14-7)	KSU	72.1	-	-	62.0
5	Guymon	OSU	84.4	-	-	64.6
1	Hatcher	CSU	85.9	-	-	62.8
30	Jagalene	AgriPro	68.2	60.9	75.9	62.6
25	Jagger	KSU	71.6	65.6	80.4	61.6
10	Keota	Westbred	80.5	-	-	62.2
7	Kojak (AP7525)	AgriPro	83.5	-	-	61.8
9	KS03HW158*	KSU	81.1	-	-	63.2
36	Longhorn	AgriPro	62.4	44.4	60.4	60.9
22	Neosho	AgriPro	73.5	-	-	61.4
35	Ogallala	AgriPro	64.4	52.7	69.1	62.2
18	OK Bullet	OSU	74.4	-	-	62.3
20	OK01307*	OSU	73.8	-	-	61.5
38	Overley	KSU	59.7	53.3	59.0	61.7
17	Santa Fe	Westbred	74.5	-	-	61.8
40	Sturdy 2K	TAMU	35.9	33.8	36.8	60.7
6	T81	Trio Seed Research	83.8	76.5	-	61.7
28	TAM 105	TAMU	68.7	56.5	76.0	59.7
12	TAM 110	TAMU	77.8	57.0	73.7	61.4
23	TAM 111	TAMU	73.3	76.6	93.2	62.2
3	TAM 112	TAMU	84.8	56.6	70.7	63.1
34	TAM W-101	TAMU	65.1	48.5	70.7	61.2
32	TXA5936*	TAMU	67.9	-	-	62.6
2	TXD1170*	TAMU	85.6	64.1	83.3	61.2
4	TXD3232*	TAMU	84.7	62.8	-	60.7
11	TXV1117*	TAMU	80.0	61.4	-	61.2
15	TXV5314*	TAMU	76.5	-	-	59.8
39	TXV6008*	TAMU	56.8	-	-	61.9
<b>Mean</b>			<b>72.9</b>	<b>57.8</b>	<b>70.7</b>	<b>61.9</b>
<b>CV</b>			<b>8.1</b>			
<b>LSD (5%)</b>			<b>9.5</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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## Uniform Wheat Variety Trial - Etter, Irrigated 2006

2006 Rank	Variety	Source	Grain Yield (bu/ac)		
			2006	2-Year <sup>†</sup>	3-Year <sup>‡</sup>
8	AP502 CL	AgriPro	41.2	45.4	57.2
32 (tie)	AP6115*	AgriPro	34.5	-	-
5	AP6126*	AgriPro	42.4	-	-
11	Blend	(TAM 110, TAM 111, Jagalene)	40.1	-	-
24	Coronado	AgriPro	37.2	47.0	55.5
15	Cutter	AgriPro	39.7	58.6	56.3
37	Deliver	OSU	31.8	45.7	-
22	Doans (AP4342)	AgriPro	37.6	60.9	-
29	Dumas	AgriPro	34.9	48.8	53.2
3	Duster (OK...3299)	OSU	42.9	-	-
1	Endurance	OSU	43.2	55.3	-
39	Fannin	AgriPro	30.1	39.4	35.2
30 (tie)	Fuller (KS00F5-14-7)	KSU	34.8	-	-
23	Guymon	OSU	37.4	-	-
6 (tie)	Hatcher	CSU	42.2	-	-
10	Jagalene	AgriPro	40.3	51.4	54.0
28	Jagger	KSU	35.0	56.3	55.4
16 (tie)	Keota	Westbred	39.4	-	-
6 (tie)	Kojak (AP7525)	AgriPro	42.2	-	-
21	KS03HW158*	KSU	38.4	-	-
36	Longhorn	AgriPro	32.1	50.5	54.1
14	Neosho	AgriPro	39.8	-	-
26	Ogallala	AgriPro	35.8	52.0	52.5
18 (tie)	OK Bullet	OSU	38.7	-	-
16 (tie)	OK01307*	OSU	39.4	-	-
40	Overley	KSU	28.2	51.1	43.8
35	Santa Fe	Westbred	33.6	-	-
38	Sturdy 2K	TAMU	31.7	39.7	31.9
32 (tie)	T81	Trio Seed Research	34.5	54.5	-
25	TAM 105	TAMU	36.1	53.9	66.3
27	TAM 110	TAMU	35.4	51.2	57.4
32 (tie)	TAM 111	TAMU	34.5	55.6	59.5
4	TAM 112	TAMU	42.5	47.5	53.8
18 (tie)	TAM W-101	TAMU	38.7	48.1	55.4
18 (tie)	TXA5936*	TAMU	38.7	-	-
9	TXD1170*	TAMU	41.0	57.9	63.3
13	TXD3232*	TAMU	39.9	60.5	-
2	TXV1117*	TAMU	43.1	56.8	-
12	TXV5314*	TAMU	40.0	-	-
30 (tie)	TXV6008*	TAMU	34.8	-	-
<b>Mean</b>			<b>37.4</b>	<b>51.6</b>	<b>53.2</b>
<b>CV</b>			<b>8.9</b>		
<b>LSD (5%)</b>			<b>5.4</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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## Uniform Wheat Variety Trial - Dalhart 2006

2006 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2006	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2006
5	AP502 CL	AgriPro	85.0	92.7	82.9	60
39	AP6115*	AgriPro	68.2	-	-	59
38	AP6126*	AgriPro	68.8	-	-	60
14	Blend	(TAM 110, TAM 111, Jagalene)	81.6	-	-	60
10	Coronado	AgriPro	83.3	92.5	81.3	60
22	Cutter	AgriPro	79.6	96.4	82.7	61
27	Deliver	OSU	77.5	91.2	-	59
31	Doans (AP4342)	AgriPro	75.9	91.7	-	61
12	Dumas	AgriPro	81.8	99.6	88.2	61
4	Duster (OK...3299)	OSU	85.2	-	-	60
21	Endurance	OSU	80.4	94.0	-	58
34	Fannin	AgriPro	73.8	83.6	72.7	59
9	Fuller (KS00F5-14-7)	KSU	84.1	-	-	60
13	Guymon	OSU	81.6	-	-	62
7	Hatcher	CSU	84.8	-	-	61
3	Jagalene	AgriPro	86.8	96.6	85.3	61
28	Jagger	KSU	76.4	91.7	79.1	59
29	Keota	Westbred	76.3	-	-	61
20	Kojak (AP7525)	AgriPro	80.5	-	-	60
17	KS03HW158*	KSU	81.3	-	-	61
36	Longhorn	AgriPro	72.5	80.4	71.6	60
37	Neosho	AgriPro	70.3	-	-	61
25	Ogallala	AgriPro	78.0	90.5	79.2	60
24	OK Bullet	OSU	78.0	-	-	61
30	OK01307*	OSU	76.3	-	-	59
23	Overley	KSU	79.3	95.4	82.2	60
35	Santa Fe	Westbred	73.7	-	-	58
19	Sturdy 2K	TAMU	80.9	92.3	80.2	59
32	T81	Trio Seed Research	75.4	92.6	-	60
11	TAM 105	TAMU	82.1	93.7	78.9	60
8	TAM 110	TAMU	84.6	94.7	83.8	60
2	TAM 111	TAMU	86.9	103.6	87.8	60
15	TAM 112	TAMU	81.5	88.8	80.8	61
40	TAM W-101	TAMU	60.5	74.5	67.3	58
18	TXA5936*	TAMU	81.0	-	-	63
16	TXD1170*	TAMU	81.4	92.0	80.2	58
1	TXD3232*	TAMU	89.3	95.9	-	58
6	TXV1117*	TAMU	84.9	97.7	-	60
33	TXV5314*	TAMU	74.9	-	-	56
26	TXV6008*	TAMU	77.9	-	-	59
<b>Mean</b>			<b>79.1</b>	<b>92.2</b>	<b>80.2</b>	<b>59.9</b>
<b>CV</b>			<b>7.6</b>			
<b>LSD (5%)</b>			<b>9.8</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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## Uniform Wheat Variety Trial - Perryton, Irrigated 2006 (AgriPro)

2006 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2006	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2006
19	AP502 CL	AgriPro	54.5	-	-	52.2
22	AP6115*	AgriPro	54.1	-	-	52.7
7	AP6126*	AgriPro	58.2	-	-	54.6
15	Blend	(TAM 110, TAM 111, Jagalene)	55.9	-	-	53.0
8	Coronado	AgriPro	58.1	63.1	66.4	51.8
27	Cutter	AgriPro	52.5	63.8	59.5	52.7
25	Deliver	OSU	53.8	64.4	-	51.9
18	Doans (AP4342)	AgriPro	55.0	70.0	-	52.2
5	Dumas	AgriPro	59.3	67.7	65.4	53.7
4	Duster (OK...3299)	OSU	59.3	-	-	54.0
10	Endurance	OSU	57.9	64.5	-	52.7
35	Fannin	AgriPro	45.4	53.7	-	52.6
9	Fuller (KS00F5-14-7)	KSU	57.9	-	-	53.3
33	Guymon	OSU	47.0	-	-	53.0
30	Hatcher	CSU	50.6	-	-	53.7
28	Jagalene	AgriPro	52.2	69.1	71.4	53.0
2	Jagger	KSU	60.8	72.9	63.6	50.4
3	Keota	Westbred	59.5	-	-	52.1
34	Kojak (AP7525)	AgriPro	45.5	-	-	51.3
12	KS03HW158*	KSU	56.6	-	-	52.9
37	Longhorn	AgriPro	43.5	52.3	51.2	51.3
17	Neosho	AgriPro	55.1	-	-	52.7
14	Ogallala	AgriPro	55.9	68.5	66.6	54.4
24	OK Bullet	OSU	53.9	-	-	52.7
20	OK01307*	OSU	54.4	-	-	54.3
23	Overley	KSU	54.1	64.6	53.4	52.3
16	Santa Fe	Westbred	55.6	-	-	53.3
38	Sturdy 2K	TAMU	39.3	40.7	31.4	52.7
29	T81	Trio Seed Research	50.7	67.4	-	53.7
40	TAM 105	TAMU	32.8	50.9	57.6	53.3
11	TAM 110	TAMU	57.5	59.3	62.2	52.7
13	TAM 111	TAMU	56.3	75.7	77.4	52.7
21	TAM 112	TAMU	54.3	59.2	-	52.6
36	TAM W-101	TAMU	45.0	54.0	58.0	52.3
6	TXA5936*	TAMU	59.0	-	-	53.7
32	TXD1170*	TAMU	47.3	62.7	-	53.3
1	TXD3232*	TAMU	62.4	71.7	-	51.7
39	TXV1117*	TAMU	34.0	57.0	-	53.3
31	TXV5314*	TAMU	50.6	-	-	52.0
26	TXV6008*	TAMU	53.2	-	-	52.2
<b>Mean</b>			<b>52.7</b>	<b>62.4</b>	<b>60.3</b>	<b>52.8</b>
<b>CV</b>			<b>7.0</b>			
<b>LSD (5%)</b>			<b>6.0</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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## Uniform Wheat Variety Trial - Clovis, Dryland 2006

2006 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2006	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2006
12	AP502 CL	AgriPro	19.8	36.9	29.6	58.0
37	AP6115*	AgriPro	14.0	-	-	56.7
25	AP6126*	AgriPro	17.2	-	-	60.0
5	Blend	(TAM 110, TAM 111, Jagalene)	24.5	-	-	59.7
29	Coronado	AgriPro	16.5	33.7	27.0	57.0
28	Cutter	AgriPro	16.5	34.4	26.6	59.0
38	Deliver	OSU	12.5	30.7	-	59.3
33	Doans (AP4342)	AgriPro	14.6	36.4	-	60.3
20	Dumas	AgriPro	17.7	36.6	27.8	59.7
15	Duster (OK...3299)	OSU	19.5	-	-	57.0
19	Endurance	OSU	17.9	36.3	-	60.0
32	Fannin	AgriPro	15.6	33.7	23.9	55.3
10	Fuller (KS00F5-14-7)	KSU	21.3	-	-	57.7
3	Guymon	OSU	24.9	-	-	58.0
4	Hatcher	CSU	24.7	-	-	59.3
14	Jagalene	AgriPro	19.6	32.5	25.8	61.0
24	Jagger	KSU	17.4	38.3	29.3	58.3
26	Keota	Westbred	17.0	-	-	59.7
30	Kojak (AP7525)	AgriPro	16.1	-	-	55.3
8	KS03HW158*	KSU	23.0	-	-	61.7
35	Longhorn	AgriPro	14.5	32.2	24.9	58.0
39	Neosho	AgriPro	11.4	-	-	59.0
34	Ogallala	AgriPro	14.6	32.8	24.2	59.3
18	OK Bullet	OSU	18.1	-	-	58.7
23	OK01307*	OSU	17.4	-	-	59.3
27	Overley	KSU	16.5	38.7	29.4	59.7
22	Santa Fe	Westbred	17.5	-	-	57.7
17	Sturdy 2K	TAMU	18.2	33.3	24.8	54.7
6	T81	Trio Seed Research	24.0	41.5	-	59.7
13	TAM 105	TAMU	19.7	36.0	30.2	59.0
9	TAM 110	TAMU	21.6	34.7	29.8	58.3
7	TAM 111	TAMU	23.4	39.7	31.2	59.7
2	TAM 112	TAMU	27.3	43.5	36.4	57.0
16	TAM W-101	TAMU	18.7	29.9	22.2	59.3
31	TXA5936*	TAMU	15.6	-	-	60.0
11	TXD1170*	TAMU	19.9	36.3	29.0	59.0
36	TXD3232*	TAMU	14.4	36.3	-	55.7
1	TXV1117*	TAMU	33.4	48.5	-	56.0
40	TXV5314*	TAMU	11.4	-	-	56.3
21	TXV6008*	TAMU	17.6	-	-	59.0
<b>Mean</b>			<b>18.7</b>	<b>36.2</b>	<b>27.8</b>	<b>58.5</b>
<b>CV</b>			<b>23.6</b>			
<b>LSD (5%)</b>			<b>7.2</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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## Uniform Wheat Variety Trial - Claude 2006

2006 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2006	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2006
25	AP502 CL	AgriPro	28.7	27.8	26.9	56.8
35	AP6115*	AgriPro	25.0	-	-	56.1
32	AP6126*	AgriPro	26.2	-	-	59.6
3	Blend	(TAM 110, TAM 111, Jagalene)	32.8	-	-	58.7
21	Coronado	AgriPro	29.4	33.7	30.4	58.8
12	Cutter	AgriPro	30.7	37.6	34.8	59.4
7	Deliver	OSU	31.5	35.7	-	60.2
4	Doans (AP4342)	AgriPro	31.8	40.1	-	60.0
22	Dumas	AgriPro	29.1	32.1	31.1	59.9
1	Duster (OK...3299)	OSU	33.5	-	-	59.6
11	Endurance	OSU	30.8	33.2	-	59.6
39	Fannin	AgriPro	22.6	34.4	31.6	58.2
23	Fuller (KS00F5-14-7)	KSU	29.0	-	-	58.1
31	Guymon	OSU	26.5	-	-	60.0
19	Hatcher	CSU	29.6	-	-	58.8
5	Jagalene	AgriPro	31.6	36.4	34.7	60.0
14	Jagger	KSU	30.6	38.0	35.7	58.8
6	Keota	Westbred	31.6	-	-	59.2
40	Kojak (AP7525)	AgriPro	21.7	-	-	59.4
28	KS03HW158*	KSU	27.4	-	-	60.6
36	Longhorn	AgriPro	24.7	26.4	24.9	59.2
33	Neosho	AgriPro	26.2	-	-	58.8
29	Ogallala	AgriPro	26.8	33.0	31.6	59.2
24	OK Bullet	OSU	28.9	-	-	58.5
18	OK01307*	OSU	29.7	-	-	59.3
17	Overley	KSU	29.8	36.0	34.0	59.8
27	Santa Fe	Westbred	27.8	-	-	58.3
38	Sturdy 2K	TAMU	24.3	28.9	28.0	56.4
20	T81	Trio Seed Research	29.6	36.9	-	58.1
26	TAM 105	TAMU	28.0	29.2	27.2	56.9
9	TAM 110	TAMU	31.1	29.6	28.2	58.0
13	TAM 111	TAMU	30.7	38.7	35.5	58.7
2	TAM 112	TAMU	33.0	31.6	30.7	59.8
34	TAM W-101	TAMU	25.4	27.5	26.7	58.2
8	TXA5936*	TAMU	31.2	-	-	60.2
16	TXD1170*	TAMU	29.9	32.5	31.1	57.4
15	TXD3232*	TAMU	30.5	35.4	-	56.4
37	TXV1117*	TAMU	24.4	31.6	-	57.0
10	TXV5314*	TAMU	30.9	-	-	55.5
30	TXV6008*	TAMU	26.6	-	-	59.6
<b>Mean</b>			<b>28.8</b>	<b>33.3</b>	<b>30.8</b>	<b>58.7</b>
<b>CV</b>			<b>7.1</b>			
<b>LSD (5%)</b>			<b>3.3</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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## Uniform Wheat Variety Trial - Bushland, Dryland 2006

2006 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2006	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2006
11	AP502 CL	AgriPro	20.2	36.1	36.1	52.3
35	AP6115*	AgriPro	15.7	-	-	51.8
31	AP6126*	AgriPro	17.3	-	-	58.2
13	Blend	(TAM 110, TAM 111, Jagalene)	19.9	-	-	55.1
30	Coronado	AgriPro	17.4	26.9	26.9	54.0
9	Cutter	AgriPro	20.2	31.5	31.5	55.9
34	Deliver	OSU	16.1	-	-	56.0
27	Doans (AP4342)	AgriPro	17.9	-	-	55.1
22	Dumas	AgriPro	18.7	29.5	29.5	55.6
25	Duster (OK...3299)	OSU	18.3	-	-	55.1
7	Endurance	OSU	20.5	-	-	56.1
40	Fannin	AgriPro	13.6	25.5	-	56.1
1	Fuller (KS00F5-14-7)	KSU	22.2	-	-	54.0
19	Guymon	OSU	19.2	-	-	56.8
4	Hatcher	CSU	21.0	-	-	55.8
8	Jagalene	AgriPro	20.4	30.9	30.9	56.0
10	Jagger	KSU	20.2	30.9	30.9	53.4
23	Keota	Westbred	18.5	-	-	56.0
24	Kojak (AP7525)	AgriPro	18.3	-	-	55.3
12	KS03HW158*	KSU	20.1	-	-	58.0
38	Longhorn	AgriPro	15.1	22.5	22.5	54.6
37	Neosho	AgriPro	15.4	-	-	54.6
36	Ogallala	AgriPro	15.4	26.2	26.2	56.5
18	OK Bullet	OSU	19.7	-	-	53.9
28	OK01307*	OSU	17.8	-	-	54.9
3	Overley	KSU	21.1	32.2	-	56.0
17	Santa Fe	Westbred	19.7	-	-	55.1
21	Sturdy 2K	TAMU	18.9	27.8	-	53.9
29	T81	Trio Seed Research	17.7	-	-	55.5
33	TAM 105	TAMU	16.4	26.9	26.9	54.2
26	TAM 110	TAMU	18.3	36.8	36.8	53.6
15	TAM 111	TAMU	19.8	29.1	29.1	55.8
2	TAM 112	TAMU	21.7	37.3	-	55.9
5	TAM W-101	TAMU	20.8	29.2	-	56.3
14	TXA5936*	TAMU	19.8	-	-	56.3
6	TXD1170*	TAMU	20.7	31.6	-	53.4
39	TXD3232*	TAMU	14.1	-	-	52.8
32	TXV1117*	TAMU	17.1	-	-	54.9
16	TXV5314*	TAMU	19.8	-	-	52.5
20	TXV6008*	TAMU	19.0	-	-	56.9
<b>Mean</b>			<b>18.6</b>	<b>30.0</b>	<b>29.7</b>	<b>55.1</b>
<b>CV</b>			<b>10.0</b>			
<b>LSD (5%)</b>			<b>3.0</b>			

\* experimental wheat breeding line

<sup>†</sup> yield average for 2004 and 2006

<sup>‡</sup> yield average for 2003, 2004, and 2006



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# 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

<sup>†</sup> 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

† yield average for 2005 and 2006

‡ yield average for 2004, 2005, and 2006



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# Blacklands – 2006

## Uniform Wheat Variety Trials

**Russell Sutton, Assistant Research Scientist – Dallas**  
**Gaylon Morgan, TCE State Small Grains Specialist – College Station**  
**Jim Swart, IPM Agent – Commerce**  
**Jackie Rudd, Wheat Breeder – Amarillo**  
**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:** 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. Dr. David Worrall with Agri-Pro Wheat is also a key collaborator and contributed data from the Hillsboro location. 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 hard wheat UVT was planted at 4 locations within the Blacklands including McGregor, Bardwell, Hillsboro, and Prosper, but only McGregor and Hillsboro were harvested. The soft wheat UVT was planted at McGregor, Bardwell, and Prosper, but only harvested at McGregor and Bardwell. Also, a soft wheat variety trial and a soft wheat vs. hard wheat variety trial were conducted at Leonard. 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
McGregor	Drought stress; non-uniform emergence; moderate leaf rust levels
Hillsboro	Drought stress; non-uniform emergence; moderate leaf rust levels
Ellis County	Only SRWW was harvested; drought stress
Prosper	Not harvested
Leonard	Drought stress; moderate leaf rust levels



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## Uniform Wheat Variety Trial - McGregor, Hard Wheat 2006

2006 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2006	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2006
35	2145	KSU	27.8	34.8	42.9	57.7
36	AP502 CL	AgriPro	27.5	34.5	31.9	54.5
26	AP6115*	AgriPro	35.0	-	-	56.0
16	AP6126*	AgriPro	45.2	-	-	61.3
23	AP7525*	AgriPro	36.5	-	-	59.4
8	Blend 1	(2145, Coronado, Fannin)	50.3	-	-	60.7
22	Blend 2	(Fannin, Cutter, Sturdy 2K)	38.1	-	-	59.5
12	Blend 3	(TAM 111, Coronado, Fannin)	46.5	-	-	60.0
7	Bullet	OSU	50.5	-	-	59.2
15	Coronado	AgriPro	45.3	46.8	45.6	59.4
33	Cutter	AgriPro	29.9	33.8	39.3	57.0
5	Deliver	OSU	51.8	49.9	-	59.2
21	Doans	AgriPro	39.8	43.0	-	61.3
14	Dumas	AgriPro	45.6	41.9	43.0	58.8
13	Duster	OSU	46.4	-	-	59.0
20	Endurance	OSU	40.8	45.5	-	55.5
2	Fannin	AgriPro	60.4	60.4	59.7	61.3
3	Fuller	KSU	58.3	-	-	60.3
29	Guymon	OSU	33.4	-	-	58.1
31	HG-9	Hardeman Grain	30.3	35.6	-	60.0
40	Jagalene	AgriPro	20.3	29.6	33.9	59.5
38	Jagger	KSU	25.4	30.7	29.5	56.7
34	Longhorn	AgriPro	28.2	30.7	31.5	58.0
28	Mit	TAMU	34.2	-	-	59.1
39	Neosho	AgriPro	22.2	-	-	-
32	Ogallala	AgriPro	30.3	41.3	40.9	59.4
27	OK01307*	OSU	34.9	-	-	57.6
11	Overley	KSU	46.5	52.9	51.5	59.6
10	Santa Fe	Westbred	47.5	-	-	57.7
19	Sturdy 2K	TAMU	42.5	47.7	47.7	57.5
30	TAM 110	TAMU	32.9	37.2	34.2	55.6
24	TAM 111	TAMU	36.5	43.8	41.2	56.5
4	TAM 112	TAMU	57.8	53.1	49.2	58.4
37	TAM W-101	TAMU	25.7	33.1	28.6	60.7
1	TXD1170*	TAMU	64.3	60.9	59.6	56.8
17	TXD3232*	TAMU	44.4	53.6	-	56.3
9	TXV1117*	TAMU	48.9	50.9	-	60.4
6	TXV5314*	TAMU	50.9	-	-	57.7
18	TXV6008*	TAMU	44.1	-	-	59.0
25	Winmaster	Abilene Ag	35.6	-	-	60.4
<b>Mean</b>			<b>40.6</b>	<b>43.1</b>	<b>41.8</b>	<b>58.6</b>
<b>CV</b>			<b>10.0</b>			
<b>LSD (5%)</b>			<b>6.7</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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## Uniform Wheat Variety Trial - Hillsboro, Hard Wheat 2006 (AgriPro)

2006 Rank	Variety	Source	Grain Yield	Test Weight
			(bu/ac) 2006	(lb/bu) 2006
27	2145	KSU	25.4	56.2
34	AP502 CL	AgriPro	20.1	56.7
16	AP6115*	AgriPro	29.6	56.0
9	AP6126*	AgriPro	32.8	60.3
14	AP7525*	AgriPro	30.1	55.9
20	Blend 1	(2145, Coronado, Fannin)	28.5	56.5
23	Blend 2	(Fannin, Cutter, Sturdy 2K)	27.0	56.3
22	Blend 3	(TAM 111, Coronado, Fannin)	28.1	57.2
12	Bullet	OSU	31.5	56.5
10	Coronado	AgriPro	32.2	55.7
38	Cutter	AgriPro	19.0	56.7
7	Deliver	OSU	33.3	57.9
6	Doans	AgriPro	33.4	59.2
18	Dumas	AgriPro	29.0	57.2
4	Duster	OSU	35.3	56.9
19	Endurance	OSU	28.6	56.7
13	Fannin	AgriPro	31.0	58.6
1	Fuller	KSU	36.7	56.7
32	Guymon	OSU	21.9	57.7
29	HG-9	Hardeman Grain	24.5	57.0
40	Jagalene	AgriPro	15.2	57.3
36	Jagger	KSU	19.7	56.7
31	Longhorn	AgriPro	23.3	56.3
30	Mit	TAMU	24.1	56.0
33	Neosho	AgriPro	20.1	57.3
39	Ogallala	AgriPro	17.3	58.0
25	OK01307*	OSU	26.2	56.7
24	Overley	KSU	26.6	55.5
15	Santa Fe	CSU	29.8	55.7
17	Sturdy 2K	TAMU	29.4	56.2
37	TAM 110	TAMU	19.2	57.0
26	TAM 111	TAMU	26.1	56.3
3	TAM 112	TAMU	35.5	59.5
35	TAM W-101	TAMU	19.9	56.3
5	TXD1170*	TAMU	34.4	56.4
8	TXD3232*	TAMU	32.9	55.7
21	TXV1117*	TAMU	28.3	56.8
2	TXV5314*	TAMU	35.9	58.5
11	TXV6008*	TAMU	31.9	59.3
28	Winmaster	Abilene Ag	24.9	56.1
			<b>Mean</b>	<b>27.5</b>
			<b>CV</b>	<b>9.7</b>
			<b>LSD (5%)</b>	<b>4.4</b>

\* experimental wheat breeding line



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## Uniform Wheat Variety Trial - McGregor, Soft Wheat 2006

2006 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2006	2-Year †	3-Year ‡	2006
1	AGS 2000	UGA	66.3	-	-	57.6
25	Coker 9375	AgriPro	42.4	41.3	48.8	53.9
21	Coker 9474	AgriPro	47.1	-	-	59.1
5	Coker 9553	AgriPro	60.2	65.1	-	60.0
22	Coker 9663	AgriPro	46.6	47.7	49.6	56.3
23	Crawford	AgriPro	45.8	52.7	58.0	59.1
45	Cutter	AgriPro	24.1	-	-	56.9
32	D02-8486*	Syngenta	38.1	-	-	59.3
29	Delta King 7710	Delta King	39.9	45.2	-	56.5
36	Delta King 7830	Delta King	30.9	38.0	-	56.4
37	Delta King 9410	Delta King	29.7	40.9	41.9	56.0
4	Delta King 9577	Delta King	60.7	-	-	55.7
19	Delta King GR 9108	Delta King	47.9	-	-	56.9
28	Endurance	OSU	41.6	-	-	56.3
11	Fannin	AgriPro	54.4	-	-	60.9
8	Fleming	UGA	58.4	-	-	58.8
16	GA951079-2E-31*	UGA	50.1	58.6	-	60.4
10	GA951216-2E-26*	UGA	55.6	65.0	-	58.7
3	GA951395-3A31*	UGA	61.5	-	-	59.3
2	GA951395-3E25*	UGA	63.8	-	-	58.3
7	GA96229-3A41*	UGA	58.9	-	-	60.1
14	GA96229-3E39*	UGA	53.3	-	-	59.3
6	HBK 3266	Hornbeck	59.3	59.7	-	59.3
15	LA841	Terral	51.9	60.6	-	56.1
17	Mason	AgriPro	49.5	49.9	55.2	55.9
13	Natchez	AgriPro	53.8	52.9	58.1	57.2
35	Pioneer 25R37	Pioneer	34.9	38.8	39.5	56.9
12	Pioneer 25R47	Pioneer	54.0	57.1	60.2	54.1
31	Pioneer 25R63	Pioneer	38.3	-	-	53.9
41	Progeny 110	Progeny	27.4	38.1	40.7	55.7
40	Progeny 133	Progeny	27.6	36.9	40.0	56.1
42	Progeny 145	Progeny	27.2	33.8	37.9	55.6
39	Progeny 166	Progeny	28.9	35.2	37.0	56.7
30	Progeny 185	Progeny	38.3	49.9	-	54.8
24	Progeny 196	Progeny	42.7	-	-	55.0
20	Sturdy 2K	TAMU	47.7	-	-	57.3
33	Tam 111	TAMU	37.3	-	-	57.5
27	TV8466	Terral	41.7	53.8	-	55.0
18	TV8558	Terral	48.5	58.4	-	55.3
34	TVX8331*	Terral	36.9	-	-	53.9
38	TVX8332*	Terral	29.5	-	-	55.9
43	TVX83H504*	Terral	27.2	-	-	55.3
26	TVX8660*	Terral	41.8	-	-	53.3
9	USG 3209	UniSouth Genetics	56.3	58.9	-	57.5
44	USG 3350	UniSouth Genetics	25.0	-	-	56.8
<b>Mean</b>			<b>44.5</b>	<b>49.5</b>	<b>47.2</b>	<b>56.9</b>
<b>CV</b>			<b>10.7</b>			
<b>LSD (5%)</b>			<b>7.8</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 - Ellis Co., Soft Wheat 2006

2006 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2006	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2006
1	AGS 2000	UGA	56.9	-	-	59.6
22	Coker 9375	AgriPro	43.8	43.0	44.8	54.4
5	Coker 9474	AgriPro	50.3	-	-	60.7
16	Coker 9553	AgriPro	46.7	60.2	-	60.6
18	Coker 9663	AgriPro	46.2	44.3	46.4	57.8
17	Crawford	AgriPro	46.5	55.3	56.8	58.2
45	Cutter	AgriPro	26.1	-	-	56.6
12	D02-8486*	Syngenta	47.7	-	-	58.8
24	Delta King 7710	Delta King	42.4	50.5	-	55.8
27	Delta King 7830	Delta King	41.5	48.5	-	55.8
30	Delta King 9410	Delta King	40.5	48.4	44.6	56.1
3	Delta King 9577	Delta King	52.1	-	-	53.7
7	Delta King GR 9108	Delta King	49.8	-	-	57.3
39	Endurance	OSU	36.0	-	-	55.1
8	Fannin	AgriPro	49.6	-	-	62.8
28	Fleming	UGA	41.4	-	-	60.2
15	GA951079-2E-31*	UGA	46.8	52.1	-	60.6
35	GA951216-2E-26*	UGA	39.1	53.8	-	58.0
11	GA951395-3A31*	UGA	48.0	-	-	59.8
4	GA951395-3E25*	UGA	51.2	-	-	58.7
10	GA96229-3A41*	UGA	48.5	-	-	58.6
20	GA96229-3E39*	UGA	45.1	-	-	59.8
2	HBK 3266	Hornbeck	55.5	54.3	-	60.8
37	LA841	Terral	37.9	60.9	-	59.3
29	Mason	AgriPro	40.7	45.2	46.7	55.6
9	Natchez	AgriPro	49.4	52.9	49.1	58.0
44	Pioneer 25R37	Pioneer	34.4	44.3	45.4	54.9
14	Pioneer 25R47	Pioneer	47.0	61.8	57.2	54.4
33	Pioneer 25R63	Pioneer	39.9	-	-	53.3
43	Progeny 110	Progeny	34.9	45.7	39.7	56.1
40	Progeny 133	Progeny	35.9	45.5	41.8	55.7
38	Progeny 145	Progeny	36.9	45.0	38.9	55.5
36	Progeny 166	Progeny	38.4	47.3	40.4	56.2
31	Progeny 185	Progeny	40.4	45.4	-	53.7
19	Progeny 196	Progeny	45.2	-	-	56.2
13	Sturdy 2K	TAMU	47.3	-	-	57.6
32	Tam 111	TAMU	40.1	-	-	57.6
21	TV8466	Terral	43.9	54.5	-	53.1
26	TV8558	Terral	41.8	54.7	-	52.6
42	TVX8331*	Terral	35.5	-	-	53.9
25	TVX8332*	Terral	42.4	-	-	55.4
34	TVX83H504*	Terral	39.2	-	-	54.6
41	TVX8660*	Terral	35.8	-	-	51.7
6	USG 3209	UniSouth Genetics	50.1	56.4	-	54.3
23	USG 3350	UniSouth Genetics	42.4	-	-	56.6
<b>Mean</b>			<b>43.4</b>	<b>50.8</b>	<b>46.0</b>	<b>56.8</b>
<b>CV</b>			<b>8.9</b>			
<b>LSD (5%)</b>			<b>12.6</b>			

\* experimental wheat breeding line

† yield average for 2005 and 2006

‡ yield average for 2004, 2005, and 2006



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## Soft Wheat Variety Trial - Leonard 2006

Variety	Source	Grain Yield		Test Weight
		(bu/ac)	Grouping*	(lb/bu)
Coker 9553	AgriPro	66.2	a	58.8
25R47	Pioneer	61.0	ab	54.0
3209	USG	57.2	bc	54.6
25R63	Pioneer	56.6	bc	53.2
LA841	Terral	55.6	bc	53.5
25R57	Pioneer	54.7	bc	55.6
TV8558	Terral	53.6	bc	53.6
Natchez	AgriPro	51.5	c	54.4
25R37	Pioneer	51.4	c	56.9
Coker 9375	AgriPro	51.4	c	53.9
TV8466	Terral	49.5	c	54.0
Crawford	AgriPro	48.9	c	54.6
<b>Mean</b>		<b>54.8</b>		<b>54.8</b>

## Soft Wheat vs. Hard Wheat Variety Trial - Leonard 2006

Variety	Source	Class	Grain Yield		Test Weight
			(bu/ac)	Grouping*	(lb/bu)
Coker 9553	AgriPro	soft	66.8	a	57.9
25R47	Pioneer	soft	62.5	ab	54.1
TXD3232*	TAMU	hard	59.7	ab	55.3
Fannin	AgriPro	hard	59.3	ab	59.9
LA841	Terral	soft	58.5	b	55.2
Doans	AgriPro	hard	58.1	b	59.6
25R57	Pioneer	soft	57.5	b	53.5
Crawford	AgriPro	soft	54.6	b	56.0
25R37	Pioneer	soft	53.8	b	54.8
Overley	KSU	hard	45.3	c	58.4
2145	KSU	hard	38.4	d	56.9
<b>Mean</b>			<b>55.9</b>		<b>56.5</b>

\* Yields with the same letter are not significantly different (P = 0.05).

# South Texas – 2006 Uniform Wheat Variety Trials

**Gaylon Morgan, TCE Small Grains Specialist – College Station**  
**Giovanni Piccinni, Stress Physiology – Uvalde**  
**Jackie Rudd, Wheat Breeder – Amarillo**  
**Jerry Kidd, CEA – McCulloch County**  
**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 College Station, Uvalde, and Amarillo. We greatly appreciate the cooperation of David and Mary Holubec at the Brady location. In South Texas, two locations of the UVT were planted, Brady and Uvalde. Below is a table describing the major 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
Uvalde - Irrigated	Late-season heat stress
Brady - Dryland	Not harvested due to poor emergence



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## Uniform Wheat Variety Trial - Uvalde 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	35.3	36.3	45.8	56.5
39	AP502 CL	AgriPro	28.6	30.5	35.0	53.0
25	AP6115*	AgriPro	35.5	-	-	53.5
9	AP6126*	AgriPro	43.9	-	-	58.0
20	AP7525*	AgriPro	39.4	-	-	57.0
18	Blend 1	(2145, Coronado, Fannin)	39.7	-	-	58.5
19	Blend 2	(Fannin, Cutter, Sturdy 2K)	39.5	-	-	57.5
12	Blend 3	(TAM 111, Coronado, Fannin)	41.1	-	-	57.0
11	Bullet	OSU	41.9	-	-	56.5
3	Coronado	AgriPro	46.0	52.5	51.3	57.0
31	Cutter	AgriPro	33.2	41.5	57.5	56.0
38	Deliver	OSU	28.6	32.4	-	58.5
10	Doans	AgriPro	43.8	48.5	-	58.0
21	Dumas	AgriPro	38.7	48.3	50.5	57.5
29	Duster	OSU	34.1	-	-	55.5
34	Endurance	OSU	31.3	25.9	-	56.0
28	Fannin	AgriPro	35.0	48.5	-	59.0
4	Fuller	KSU	46.0	-	-	56.5
30	Guymon	OSU	33.9	-	-	56.5
32	HG-9	Hardeman Grain	32.3	26.3	-	58.5
35	Jagalene	AgriPro	30.9	42.6	51.4	56.0
23	Jagger	KSU	37.4	46.6	43.6	53.0
27	Longhorn	AgriPro	35.1	42.7	45.3	54.0
17	Mit	TAMU	39.8	-	-	57.5
36	Neosho	AgriPro	30.9	-	-	55.5
16	Ogallala	AgriPro	40.2	49.8	56.9	56.5
15	OK01307*	OSU	40.5	-	-	56.5
8	Overley	KSU	44.5	47.3	-	58.0
13	Santa Fe	Westbred	41.0	-	-	56.5
14	Sturdy 2K	TAMU	40.7	40.0	45.2	54.5
40	TAM 110	TAMU	27.5	24.7	32.5	52.5
24	TAM 111	TAMU	36.0	40.7	48.0	56.0
2	TAM 112	TAMU	47.9	47.8	-	58.0
22	TAM W-101	TAMU	38.2	41.3	-	55.0
6	TXD1170*	TAMU	45.1	54.1	-	53.0
5	TXD3232*	TAMU	45.7	59.1	-	54.0
7	TXV1117*	TAMU	44.8	47.1	-	56.0
1	TXV5314*	TAMU	50.1	-	-	56.0
37	TXV6008*	TAMU	29.9	-	-	56.0
33	Winmaster	Abilene Ag	32.1	-	-	58.5
<b>Mean</b>			<b>38.2</b>	<b>42.4</b>	<b>46.9</b>	<b>56.2</b>
<b>CV</b>			<b>13.4</b>			
<b>LSD (5%)</b>			<b>8.3</b>			

\* experimental variety

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

<sup>‡</sup> yield average for 2003, 2005, and 2006 (no data in 2004)



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