

# South Texas – 2008 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 Wheat Variety Trial (UWVT) is coordinated and implemented by numerous Texas AgriLife Extension and Research 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, three locations of the UWVT trials were planted: Brady, Castroville, College Station, Luling, and Uvalde. Below is a table describing the predominant issues that affected the 2007-08 wheat crop at each location.

Location	Issues
Brady	Very dry fall and spring; slight hail damage and greenbug pressure; late season leaf rust
Castroville (Irrigated)	Moderate leaf rust pressure
College Station	Good year; dry fall, wet winter and spring; moderate leaf rust
Luling (data not shown)	Dry fall, winter, and spring; moderate leaf rust pressure and Hessian Fly
Uvalde (data not shown)	Very dry fall and spring – did not have good stand establishment

**Rankings:** The rankings assigned to the varieties on the following pages were determined by 2008 grain yields at each individual location. Where two varieties yielded the same, test weight was used as a tiebreaker.

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## Uniform Wheat Variety Trial - Brady, Hard Wheat 2008

2008 Rank	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)
			2008	2-Year <sup>†</sup>	2008
1	Santa Fe	Westbred	67.1	-	63.1
2	TAM 112	TAMU	58.4	29.2	62.9
3	TAM 111	TAMU	49.2	24.6	63.1
4	Bullet	OSU	47.3	-	62.4
5	Shocker	Westbred	47.1	-	61.8
6	OK Rising (OK00611W)	OSU	45.9	-	61.8
7	TAM 110	TAMU	45.7	22.9	61.0
8	AP05TW2821*	AgriPro	45.5	-	62.5
9	AP06T3832*	AgriPro	45.1	-	61.0
10	Jackpot (AP04T8211)	AgriPro	45.1	-	62.8
11	Fuller	KSU	44.9	-	63.2
12	Jagalene	AgriPro	44.0	22.0	61.6
13	Duster	OSU	43.2	-	62.4
14	Blend 3	TAM 111, Coronado, Fannin	42.8	21.4	62.5
15	Overley	KSU	42.5	21.3	62.7
16	Doans	AgriPro	42.1	21.0	62.8
17	TAM W-101	TAMU	41.3	20.7	61.8
18	Jagger	KSU	40.9	20.5	60.8
19	Art	AgriPro	40.7	-	62.3
20	TAM 203	TAMU	40.7	-	60.9
21	Fannin	AgriPro	40.2	20.1	63.3
22	Cutter	AgriPro	40.1	20.0	62.7
23	Blend 1	2145, Coronado, Fannin	39.3	19.7	62.8
24	Dumas	AgriPro	39.0	19.5	62.8
25	Blend 2	Fannin, Cutter, Sturdy 2K	38.8	19.4	62.4
26	Coronado	AgriPro	38.3	19.1	61.6
27	Endurance	OSU	36.3	18.1	61.2
28	Sturdy 2K	TAMU	35.3	17.7	61.4
29	TAM 401 (TX03M1096)	TAMU	35.3	-	60.7
30	Ogallala	AgriPro	33.1	16.6	61.8
31	TAM 304	TAMU	32.1	16.0	60.7
32	TX03A0563*	TAMU	31.8	-	62.1
33	Deliver	OSU	31.7	15.8	62.2
34	TX03A0148*	TAMU	31.7	-	60.4
35	TX02A0252*	TAMU	31.5	-	63.1
36	Longhorn	AgriPro	30.2	15.1	61.0
37	Winmaster	Abilene Ag	30.0	-	61.0
38	AP05T2413*	AgriPro	29.3	-	61.5

**Mean 40.8 20.0 62.0**

\* Experimental wheat breeding line

**CV (%) 13.1**

<sup>†</sup> yield average for 2008 and 2005

**LSD (5%) 8.7**

## Uniform Wheat Variety Trial - Castroville, Hard Wheat 2008

2008 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2008	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2008
1	TAM 304	TAMU	90.2	67.2	-	60.5
2	TX03A0148*	TAMU	81.0	-	-	59.7
3	Dumas	AgriPro	79.8	66.2	-	62.6
4	Art	AgriPro	77.6	-	-	61.6
5	TAM 111	TAMU	76.8	59.0	62.1	61.1
6	TX03A0563*	TAMU	76.5	-	-	62.2
7	AP06T3832*	AgriPro	76.2	-	-	59.0
8	Bullet	OSU	74.3	59.9	-	61.6
9	Ogallala	AgriPro	72.8	54.1	52.3	61.8
10	Shocker	Westbred	72.5	48.3	-	61.2
11	Blend 3	TAM 111, Coronado, Fannin	71.5	57.2	-	62.7
12	AP05TW2821*	AgriPro	71.4	-	-	60.5
13	TAM 112	TAMU	71.3	62.5	-	61.9
14	Santa Fe	Westbred	70.3	57.8	-	61.5
15	OK Rising (OK00611W)	OSU	70.0	-	-	60.9
16	TAM 203	TAMU	67.9	58.9	-	61.3
17	Blend 1	2145, Coronado, Fannin	67.0	55.9	-	62.5
18	TAM 401 (TX03M1096)	TAMU	67.0	-	-	59.5
19	Coronado	AgriPro	66.3	54.8	-	61.7
20	AP05T2413*	AgriPro	65.7	-	-	60.9
21	Jagalene	AgriPro	63.6	50.0	48.1	61.4
22	Fannin	AgriPro	63.3	52.4	50.4	62.5
23	TX02A0252*	TAMU	63.1	-	-	61.0
24	Duster	OSU	61.7	52.5	-	61.3
25	Longhorn	AgriPro	60.8	49.0	46.1	58.5
26	Jackpot (AP04T8211)	AgriPro	59.0	55.6	-	61.5
27	Blend 2	Fannin, Cutter, Sturdy 2K	58.9	49.5	-	61.5
28	Deliver	OSU	57.1	46.6	44.8	62.1
29	Overley	KSU	56.2	49.5	-	61.5
30	Fuller	KSU	55.3	54.2	-	61.7
31	Doans	AgriPro	52.1	50.3	-	62.5
32	Endurance	OSU	51.6	45.6	46.3	60.7
33	TAM 110	TAMU	51.0	48.3	44.1	58.7
34	TAM W-101	TAMU	49.9	45.4	48.4	59.9
35	Jagger	KSU	49.6	43.3	-	59.5
36	Sturdy 2K	TAMU	49.1	46.5	-	59.6
37	Cutter	AgriPro	45.9	39.4	45.0	60.2
38	Winmaster	Abilene Ag	40.5	38.5	-	58.8

	<b>Mean</b>	<b>64.5</b>	<b>52.4</b>	<b>48.8</b>	<b>61.0</b>
	<b>CV (%)</b>	<b>15.4</b>			
	<b>LSD (5%)</b>	<b>16.1</b>			
* Experimental wheat breeding line					
<sup>†</sup> yield average for 2008 and 2007					
<sup>‡</sup> yield average for 2008, 2007, and 2005					

## Uniform Wheat Variety Trial - College Station, Hard Wheat 2008

2008 Rank	Variety	Source	Grain Yield	Test Weight
			(bu/ac)	(lb/bu)
			2008	2008
1	AP06T3832*	AgriPro	65.9	56.2
2	TAM 304	TAMU	64.7	56.4
3	AP05TW2821*	AgriPro	63.9	56.0
4	TAM 401 (TX03M1096)	TAMU	61.7	54.4
5	Art	AgriPro	60.1	57.5
6	Jackpot (AP04T8211)	AgriPro	59.6	56.0
7	Fannin	AgriPro	58.2	58.7
8	TAM 203	TAMU	53.7	56.7
9	AP05T2413*	AgriPro	53.7	55.6
10	Shocker	Westbred	53.2	55.9
11	Fuller	KSU	52.8	57.8
12	Blend 1	2145, Coronado, Fannin	52.6	57.2
13	Blend 3	TAM 111, Coronado, Fannin	50.8	59.7
14	TX03A0148*	TAMU	50.4	58.0
15	Doans	AgriPro	49.4	56.9
16	Blend 2	Fannin, Cutter, Sturdy 2K	48.4	59.2
17	Coronado	AgriPro	47.4	57.5
18	Duster	OSU	46.0	55.0
19	TX03A0563*	TAMU	45.8	56.3
20	Overley	KSU	44.9	55.7
21	Dumas	AgriPro	43.5	55.2
22	Ogallala	AgriPro	42.8	56.9
23	Santa Fe	Westbred	41.5	54.7
24	Jagalene	AgriPro	38.6	56.0
25	TAM 112	TAMU	38.1	53.3
26	Jagger	KSU	37.9	53.3
27	Deliver	OSU	37.0	56.6
28	Sturdy 2K	TAMU	36.1	53.3
29	TAM 111	TAMU	32.4	55.7
30	OK Rising (OK00611W)	OSU	30.6	51.2
31	Cutter	AgriPro	29.3	55.1
32	Winmaster	Abilene Ag	29.2	49.0
33	TX02A0252*	TAMU	29.0	55.0
34	Longhorn	AgriPro	28.6	55.5
35	TAM W-101	TAMU	28.5	57.0
36	Bullet	OSU	28.5	54.4
37	TAM 110	TAMU	25.5	51.8
38	Endurance	OSU	22.5	54.2
			<b>Mean</b>	<b>45.4</b>
			<b>CV (%)</b>	<b>15.3</b>
			<b>LSD (5%)</b>	<b>11.3</b>

\* Experimental wheat breeding line