

## 2008 Wheat Variety Trials Conducted in the Texas High Plains *Brent Bean*<sup>1</sup>

### ***2007-2008 Wheat Crop in Review***

Following our record wheat yields last year, 2008 was a disappointment. Precipitation at Bushland was less than 5.5 inches from September through June 15<sup>th</sup>. Wheat viruses were worse than they have been in several years infecting both dryland and irrigated fields. Many of the dryland, and even a few of the irrigated fields, were not harvested due to drought and virus infection. The best wheat yields were generally found in the northeast portion of the Panhandle where more timely precipitation was received. Planting date also seemed to make more of a difference than usual. Wheat planted just a couple of weeks later than optimum (around Oct 4) did not yield as well, especially if planted no-till behind corn or cotton. Some wheat root rot was also observed in the fall and led to poor establishment in some fields. This was likely due to the previous wet spring and summer that increased soil fungi activity. Although there were some very good irrigated yields reported, overall irrigated yields were a disappointment. Although we did not get especially cold during the spring, we did have just enough freezing weather just prior to heading to cause some sterile heads, further contributing to lower yields.

### ***Virus Discussion***

Four viruses infected wheat in 2008: barley yellow dwarf (BYD), wheat streak mosaic virus (WSMV), high plains disease (HPV) and the recently identified Triticum mosaic virus (TriMV). Barley yellow dwarf is transmitted by aphids (greenbug, Russian wheat aphid, others) and generally shows up as yellow stunted plants in spots in a field. The virus is left in the infected plants even if the aphids are no longer present, generally causing the plants to be stunted and yellow. The other three viruses are transmitted by the wheat curl mite. The symptoms expressed by these three viruses are very similar, making them very hard to distinguish in the field from each other. Many times the same plants will be infected with two and even all three of the viruses. Control of these viruses is similar, primarily controlling volunteer wheat 2 to 3 weeks prior to planting. For a good discussion on wheat streak mosaic control go to:

<http://varietytesting.tamu.edu/wheat/docs/e337wheatstreakmosiacvirus-2.pdf>

### ***Variety Trial Results and Recommendations***

#### ***Irrigated Trials***

Two varieties, *TAM 112* (TAMU) and *Hatcher* (CSU), had the highest yields when averaged across six irrigated locations averaging 59 and 57 bu/acre, respectively (Table 1). More importantly the varieties were very consistent ranking in the top 25% in five of the six locations. *TAM 112* is greenbug tolerant and has some tolerance to wheat streak mosaic. *Hatcher* was released by Colorado State in 2005 and has moderate resistance to stripe rust and good drought tolerance. *Endurance* (OSU) finished in the top 25% in four of the six locations and when averaged across trials yielded 55 bu/acre. Other varieties of note that finished in the top 25% in three of the six locations were *Jagalene* (AgriPro), *TAM 304* (TAMU), *TAM 203* (TAMU), *TAM 110* (TAMU), *Keota* (Westbred), and *Jackpot* (Agripro). *TAM*

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*III*, which has performed very well in the previous three years, held its own averaging 54 bu/acre across locations and finishing in the top 25% in two of six locations. *Dumas* (AgriPro) has been one of our main irrigated wheat varieties for several years, but yielded 3 bu/acre less than the average across all locations. The TAMU experimental line *TX02A252* yielded in the top 25% in four of the locations and should be watched in the future. *Danby* (KSU), a white wheat, also yielded very well in all trials.

### Dryland Trials

We were unable to report several of our dryland locations due to extremely poor yields and high variability within a test. Of the three trials reported, exceptional yields were obtained at Canadian. This location is next to the Oklahoma border where timely rains were received. The Bushland and Claude sites are reported, but yields were low, averaging 12.5 and 9.0 bu/acre, respectively. The conditions present make drawing any conclusions suspect. However, *TAM 304*, *TAM 112*, *Fuller* (KSU), *TAM 110*, *Bullet* (OSU), *Duster*, *TAM 111*, *Endurance*, *T81* (Rio Seed), and *Jackpot* were the top yielding and most consistent varieties across locations.

### Recommendations

Varieties recommended here are those that have consistently performed well over at least a three year period. Those varieties that perform well under full irrigation also tend to be the same varieties that yield well under dryland. In our environment, even those varieties grown under full irrigation are going to be subject to heat stress and likely some periods of drought. Although *TAM 111* did not stand head and shoulders above the competition like it has in previous years, it should still be considered on most farms in the Panhandle. It has been a consistent high performer. *TAM 112* was not listed under full irrigation, primarily because of moderate concern for lodging under high input conditions. However, it is an excellent choice for limited irrigated or dryland. *TAM 304* was released in 2007 by TAMU and is being marketed by Scott Seed Company out of Hereford. It has good leaf and stripe rust resistance. *Hatcher* has now been tested for three years in our trials. In those three years it has finished in the top 25% in 8 of 19 irrigated trials and 8 of 12 dryland trials. *Fuller* has now finished in the top 25% in 10 of 12 dryland trials making it the most consistent dryland variety over the last three years. *Endurance* is a good irrigated choice for the producer who also wants to graze his wheat. *T81* seems to do best in those very dry years. *Dumas* still makes the list under full irrigation. It has very good straw strength and relatively good resistance to stripe rust and can be a good grazing wheat. Use *Dumas* where yields are going to be pushed by maximizing both fertilizer and irrigation use. As is always the case, I strongly recommend planting more than one variety on any given farm.

Variety Recommendations		
Full Irrigation	Limited Irrigation	Dryland
TAM 111	TAM 111	TAM 111
Hatcher	TAM 112	TAM 112
TAM 304	Hatcher	Fuller
Dumas	TAM 304	Hatcher
Endurance	Endurance	TAM 304
Fuller	Fuller	T81

### Other Comments

Yield data from previous years, variety descriptions, two and three year averages by location, and other information can be found at the following website under publications: <http://amarillo.tamu.edu/programs/agronomy>.

### Acknowledgments

Funds for conducting these variety trials were partially provided for by the TEXAS WHEAT PRODUCERS BOARD through grower check-off funds.

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**Table 1. Irrigated Wheat Variety Trials Harvested in 2008 in the Texas Panhandle and South Plains.**

Brent Bean<sup>1,2</sup>, Jackie Rudd<sup>2</sup>, Ravindra Devkota<sup>2</sup>, Calvin Trostle<sup>1</sup>, Gaylon Morgan<sup>1</sup>

Variety	Company	Location AVG	Perryton	Bushland	Etter	Dallam Co.	Castro Co.	Gaines Co.	Test WT <sup>4</sup>
bu/Acre <sup>3</sup>									lb/Bu
<i>TAM 112</i>	TAMU	<b>59</b>	<b>82</b>	<b>31</b>	<b>41</b>	<b>84</b>	<b>37</b>	79	58
<i>Hatcher</i>	CSU	<b>57</b>	<b>79</b>	<b>28</b>	<b>40</b>	71	<b>35</b>	<b>90</b>	58
<i>Danby (white)</i>	KSU	<b>56</b>	75	<b>27</b>	<b>34</b>	<b>78</b>	<b>34</b>	<b>87</b>	59
<i>TAM 304</i>	TAMU	<b>56</b>	<b>89</b>	25	<b>44</b>	72	<b>35</b>	71	55
<i>Endurance</i>	OSU	<b>55</b>	60	25	<b>37</b>	<b>83</b>	<b>38</b>	<b>87</b>	55
<i>Jagalene</i>	AgriPro	<b>54</b>	72	21	29	<b>82</b>	<b>34</b>	<b>87</b>	54
<i>TAM 111</i>	TAMU	<b>54</b>	<b>85</b>	25	28	<b>75</b>	30	81	56
<i>T81</i>	Trio	<b>54</b>	74	24	31	<b>78</b>	27	<b>90</b>	57
<i>TAM 203</i>	TAMU	<b>54</b>	76	<b>27</b>	<b>35</b>	70	32	<b>83</b>	54
<i>Blend (TAM 111, 112, Jagalene)</i>	Blend	<b>54</b>	77	26	30	72	<b>33</b>	82	57
<i>Duster</i>	OSU	53	<b>79</b>	22	33	71	<b>33</b>	81	55
<i>TAM 110</i>	TAMU	53	<b>79</b>	<b>28</b>	29	<b>76</b>	30	76	55
<i>TX01A5936 (white)</i>	TAMU	53	77	25	29	<b>77</b>	25	<b>84</b>	57
<i>TX02A0252</i>	TAMU	52	<b>83</b>	<b>27</b>	<b>35</b>	<b>75</b>	29	65	57
<i>Keota</i>	Westbred	52	67	<b>27</b>	26	<b>75</b>	32	<b>87</b>	58
<i>TX03A0148 (BL)</i>	TAMU	52	<b>80</b>	21	<b>36</b>	72	22	79	53
<i>Jackpot</i>	AgriPro	52	66	<b>27</b>	<b>35</b>	63	<b>33</b>	<b>86</b>	56
<i>Aspen (white)</i>	Westbred	51	78	<b>27</b>	32	<b>75</b>	28	69	56
<i>TX03A0563</i>	TAMU	51	70	<b>28</b>	33	<b>76</b>	28	73	58
<i>Fuller</i>	KSU	51	<b>80</b>	<b>29</b>	30	66	28	75	56
<i>Overley</i>	KSU	51	63	25	25	74	<b>36</b>	<b>83</b>	56
<i>AP05TW2821</i>	AgriPro	51	77	22	29	69	32	77	53
<i>Bullet</i>	OSU	51	74	22	33	68	28	81	55
<i>AP06T3832</i>	AgriPro	51	73	25	<b>37</b>	68	29	73	54
<i>TAM 105</i>	TAMU	50	67	20	26	<b>75</b>	<b>33</b>	77	55
<i>Doans</i>	AgriPro	50	73	24	32	68	31	70	57
<i>Santa Fe</i>	Westbred	49	75	<b>31</b>	24	64	29	73	56
<i>Deliver (BL)</i>	OSU	49	71	26	29	65	29	75	55
<i>TAM W-101</i>	TAMU	49	67	24	26	63	<b>38</b>	77	56
<i>Jagger</i>	KSU	49	64	25	27	70	29	79	55
<i>Cutter</i>	AgriPro	48	71	20	<b>34</b>	64	31	70	56
<i>OK Rising</i>	OSU	48	74	22	23	61	27	<b>83</b>	54
<i>TAM 401 (BL)</i>	TAMU	48	<b>80</b>	21	32	63	29	62	55
<i>Dumas</i>	AgriPro	48	68	19	27	68	<b>33</b>	73	56
<i>Art</i>	AgriPro	48	61	21	31	74	28	71	55
<i>Shocker</i>	Westbred	47	59	<b>27</b>	24	64	<b>38</b>	70	55
<i>Neosho</i>	AgriPro	46	71	21	30	58	24	73	56
<i>Longhorn (BL)</i>	AgriPro	46	69	15	30	66	24	69	53
<i>AP05T2413</i>	AgriPro	44	62	23	26	61	29	65	52
<i>Fannin</i>	AgriPro	44	59	19	28	59	32	65	55
Mean		51	72.5	24.4	31.0	70.3	30.8	77.0	
CV (%)		12	6.7	10.1	13.9	9.8	16.4	13.3	
LSD (5%)		8	7.9	4.0	7.0	11.2	8.2	10.0	

BL=Beardless

<sup>1</sup> Texas AgriLife Extension, <sup>2</sup> Texas AgriLife Research

<sup>3</sup> Bold numbers indicate top 25% yield by location.

<sup>4</sup> Bushland, Etter, Castro, Dallam only.

<sup>5</sup> Etter, Castro, Dallam only.

**Table 2. Dryland Wheat Variety Trials Harvested in 2008 in the Texas Panhandle.**

**Brent Bean<sup>1</sup>, Jackie Rudd<sup>2</sup>, Ravindra Devkota<sup>2</sup>**

Variety	Company	Location AVG	bu/Acre <sup>3</sup>			AVG Test WT <sup>4</sup> lb/bu	AVG Height <sup>5</sup> inches
			Bushland	Claude	Canadian		
<i>TAM 304</i>	TAMU	<b>36</b>	<b>14</b>	<b>13</b>	<b>82</b>	57	28
<i>TAM 112</i>	TAMU	<b>35</b>	<b>21</b>	<b>15</b>	69	59	29
<i>Fuller</i>	KSU	<b>35</b>	<b>17</b>	<b>11</b>	<b>76</b>	57	30
<i>TX02A0252</i>	TAMU	<b>35</b>	13	<b>13</b>	<b>78</b>	55	29
<i>TAM 110</i>	TAMU	<b>34</b>	<b>18</b>	<b>13</b>	<b>72</b>	57	30
<i>Blend (TAM 111, TAM 112, Jagalene)</i>	Blend	<b>33</b>	<b>17</b>	<b>10</b>	<b>72</b>	56	31
<i>Bullet</i>	OSU	<b>32</b>	<b>14</b>	9	<b>75</b>	56	34
<i>Duster</i>	OSU	<b>32</b>	13	<b>10</b>	<b>74</b>	57	32
<i>Hatcher</i>	CSU	<b>32</b>	<b>14</b>	<b>10</b>	71	56	29
<i>TAM 111</i>	TAMU	<b>32</b>	13	8	<b>73</b>	57	31
<i>TX03A0563</i>	TAMU	31	<b>14</b>	<b>11</b>	69	54	30
<i>Endurance</i>	OSU	31	<b>14</b>	<b>10</b>	70	55	33
<i>T81</i>	Trio	31	11	<b>10</b>	<b>72</b>	56	31
<i>Danby (white)</i>	KSU	31	<b>16</b>	6	71	59	31
<i>Jackpot</i>	AgriPro	31	<b>14</b>	<b>11</b>	68	57	29
<i>Aspen (white)</i>	Westbred	30	<b>14</b>	9	68	57	27
<i>TX01A5936 (white)</i>	TAMU	30	<b>16</b>	9	65	56	33
<i>Cutter</i>	AgriPro	30	10	9	70	54	30
<i>AP06T3832</i>	AgriPro	29	11	7	70	58	31
<i>Jagalene</i>	AgriPro	29	10	9	69	56	31
<i>Art</i>	AgriPro	29	10	6	<b>72</b>	58	31
<i>TAM 105</i>	TAMU	29	12	<b>11</b>	65	57	32
<i>Santa Fe</i>	Westbred	29	<b>14</b>	7	65	58	30
<i>TX03A0148 (BL)</i>	TAMU	29	<b>14</b>	<b>10</b>	63	54	28
<i>Keota</i>	Westbred	29	13	7	66	57	31
<i>AP05TW2821</i>	AgriPro	29	8	8	71	54	31
<i>Dumas</i>	AgriPro	29	7	9	70	57	32
<i>Neosho</i>		28	13	<b>11</b>	61	57	31
<i>TAM W-101</i>	TAMU	28	13	<b>10</b>	62	57	29
<i>TAM 401 (BL)</i>	TAMU	28	11	8	64	58	29
<i>TAM 203</i>	TAMU	27	8	8	64	57	31
<i>Deliver (BL)</i>	OSU	26	11	7	61	58	29
<i>Doans</i>	AgriPro	26	8	<b>10</b>	62	57	29
<i>Jagger</i>	KSU	26	13	8	59	58	30
<i>Longhorn (BL)</i>	AgriPro	26	6	<b>10</b>	62	58	34
<i>OK Rising</i>	OSU	26	12	8	59	57	32
<i>Overley</i>	KSU	26	12	8	59	59	31
<i>Fannin</i>	AgriPro	25	9	5	61	57	29
<i>Shocker</i>	Westbred	25	12	6	56	57	31
<i>AP05T2413</i>	AgriPro	24	7	4	59	58	31
Mean			12.54	9.0	67.3		
CV (%)			14.64	21.4	7.1		
LSD (5%)			3.0	3.1	7.8		

BL = beardless

<sup>1</sup> Texas AgriLife Extension and Research, <sup>2</sup> Texas AgriLife Research

<sup>3</sup> Bold numbers indicate top 25% yield by location.

<sup>4</sup> Bushland, Claude, Canadian.

<sup>5</sup> Canadian only

# High Plains – 2008 Uniform Wheat Variety Trials

<http://varietytesting.tamu.edu>

## Texas AgriLife Extension Service

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## AgriPro Wheat

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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 Amarillo, Bushland, and College Station. We also appreciate the cooperation from numerous County Extension Agents and growers. Below is a table describing the predominant issues that affected the 2007-08 wheat crop at each location.

Location	Issues
Bushland – Dryland	Severe drought; hot, dry winds; uneven stand establishment
Bushland – Irrigated	Hot, dry winds; yields less than expected
Canadian – Dryland	Great year; timely rains, no insect or disease pressure
Castro County – Irrigated	Limited irrigation following corn; some virus diseases present; some damage due to atrazine carryover
Claude – Dryland	Prolonged drought; hot dry winds
Dalhart – Irrigated	Wheat following corn; some wheat streak mosaic virus present
Etter – Dryland	Severe drought; hot, dry winds; uneven stand establishment
Etter – Irrigated	Hot, dry winds; yields less than expected
Gaines County – Irrigated	Prolonged drought, but good yields
Perryton – Irrigated	Dry planted, watered up; average season; little if any disease presence

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

**Funding:** The State Uniform Variety Trial is supported by the Texas Wheat Producers Board, Texas AgriLife Extension Service, and Texas AgriLife Research



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## Uniform Wheat Variety Trial - Bushland - Dryland, 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 112	TAMU	20.9	34.1	30.0	55.6
2	TAM 110	TAMU	18.0	32.1	27.5	53.2
3	Fuller	KSU	17.4	32.5	29.0	54.6
4	Blend	TAM 112, TAM 111, Jagalene	17.2	30.8	27.2	54.4
5	TX01A5936*	TAMU	16.4	29.4	26.2	54.9
6	Danby	KSU	16.0	-	-	57.3
7	TAM 304	TAMU	14.4	30.6	25.1	51.0
8	Aspen	Westbred	14.3	-	-	52.7
9	Santa Fe	Westbred	14.1	31.9	27.9	54.1
10	Hatcher	CSU	14.0	33.4	29.3	51.8
11	Jackpot (AP07T8211)	AgriPro	13.9	31.8	-	53.2
12	Endurance	OSU	13.8	33.5	29.1	53.5
13	TX03A0563*	TAMU	13.7	-	-	54.7
14	TX03A0148*	TAMU	13.6	-	-	51.7
15	Bullet	OSU	13.5	30.0	26.6	53.9
16	Neosho	AgriPro	13.4	24.2	21.3	53.7
17	TAM 111	TAMU	13.3	31.4	27.5	53.1
18	Keota	Westbred	13.0	28.2	25.0	54.6
19	TAM W-101	TAMU	12.9	26.2	24.4	54.0
20	TX02A0252*	TAMU	12.7	-	-	53.9
21	Jagger	KSU	12.5	29.5	26.4	53.5
22	Duster	OSU	12.5	27.1	24.2	51.5
23	Overley	KSU	12.0	29.5	26.7	53.6
24	Shocker	Westbred	11.9	30.6	-	51.0
25	TAM 105	TAMU	11.7	27.9	24.1	52.1
26	OK Rising	OSU	11.6	-	-	52.7
27	Deliver	OSU	11.5	28.3	24.2	55.1
28	T81	Trio Seed Research	11.3	28.6	25.0	52.8
29	TAM 401	TAMU	10.9	27.9	-	52.4
30	AP06T3832*	AgriPro	10.8	-	-	50.1
31	Jagalene	AgriPro	10.4	24.7	23.3	54.4
32	Art	AgriPro	10.3	-	-	51.6
33	Cutter	AgriPro	10.1	21.8	21.3	54.1
34	Fannin	AgriPro	8.9	25.9	21.8	53.0
35	Doans	AgriPro	7.7	21.4	20.2	53.4
36	TAM 203	TAMU	7.7	25.9	23.9	49.1
37	AP05TW2821*	AgriPro	7.6	-	-	48.4
38	AP05T2413*	AgriPro	7.3	-	-	49.8
39	Dumas	AgriPro	7.0	23.8	22.1	53.1
40	Longhorn	AgriPro	6.0	19.1	17.8	51.9
<b>Mean</b>			<b>12.4</b>	<b>28.4</b>	<b>25.1</b>	<b>53.0</b>
<b>CV (%)</b>			<b>14.64</b>			
<b>LSD (5%)</b>			<b>3.0</b>			

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2008 and 2007

<sup>‡</sup> yield average for 2008, 2007, and 2006

## Uniform Wheat Variety Trial - Bushland - Irrigated, 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 112	TAMU	31.2	54.6	64.7	54.9	
2	Santa Fe	Westbred	30.9	60.4	65.1	52.2	
3	Fuller	KSU	28.8	59.7	63.8	53.7	
4	Hatcher	CSU	28.2	62.3	70.2	55.1	
5	TX03A0563*	TAMU	27.8	-	-	54.1	
6	TAM 110	TAMU	27.8	51.9	60.5	51.7	
7	Danby	KSU	27.4	-	-	57.3	
8	Jackpot (AP07T8211)	AgriPro	27.4	58.9	-	52.6	
9	TX02A0252*	TAMU	27.1	-	-	56.2	
10	Shocker	Westbred	27.1	55.0	-	51.5	
11	TAM 203	TAMU	26.7	58.1	64.2	51.5	
12	Aspen	Westbred	26.7	-	-	50.4	
13	Keota	Westbred	26.6	57.7	65.3	54.7	
14	Blend	TAM 112, TAM 111, Jagalene	26.4	52.5	60.6	54.4	
15	Deliver	OSU	25.6	53.6	61.1	54.4	
16	TAM 111	TAMU	25.2	56.2	61.9	55.5	
17	Overley	KSU	25.2	52.5	54.9	54.6	
18	TAM 304	TAMU	25.1	53.9	64.1	50.6	
19	AP06T3832*	AgriPro	25.0	-	-	50.4	
20	Endurance	OSU	24.8	57.2	60.8	52.4	
21	TX01A5936*	TAMU	24.7	54.1	58.7	55.2	
22	Jagger	KSU	24.6	54.2	60.0	52.0	
23	TAM W-101	TAMU	24.2	47.7	53.5	53.7	
24	Doans	AgriPro	24.0	49.5	55.8	53.0	
25	T81	Trio Seed Research	23.7	56.4	65.6	53.2	
26	AP05T2413*	AgriPro	23.0	-	-	51.0	
27	Duster	OSU	22.2	57.4	64.1	53.4	
28	AP05TW2821*	AgriPro	22.1	-	-	50.8	
29	Bullet	OSU	21.8	52.8	60.0	54.1	
30	OK Rising	OSU	21.8	-	-	52.3	
31	Neosho	AgriPro	21.5	48.0	56.5	53.0	
32	TX03A0148*	TAMU	21.4	-	-	50.7	
33	Jagalene	AgriPro	21.2	48.3	54.9	54.2	
34	TAM 401	TAMU	21.2	54.1	-	50.8	
35	Art	AgriPro	20.9	-	-	53.0	
36	Cutter	AgriPro	20.4	47.2	53.9	54.2	
37	TAM 105	TAMU	19.7	45.9	53.5	53.2	
38	Dumas	AgriPro	18.8	51.1	57.5	53.2	
39	Fannin	AgriPro	18.6	46.4	51.1	53.7	
40	Longhorn	AgriPro	15.2	40.1	47.5	52.7	
			<b>Mean</b>	<b>24.3</b>	<b>53.2</b>	<b>59.6</b>	<b>53.1</b>
			<b>CV (%)</b>	<b>10.1</b>			
			<b>LSD (5%)</b>	<b>4.0</b>			

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2008 and 2007

<sup>‡</sup> yield average for 2008, 2007, and 2006

## Uniform Wheat Variety Trial - Canadian - Dryland, Hard Wheat 2008

2008 Rank	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)
			2008	2-Year <sup>†</sup>	2008
1	TAM 304	TAMU	81.5	63.0	58.1
2	TX02A0252*	TAMU	77.7	-	60.6
3	Fuller	KSU	76.2	-	61.7
4	Bullet	OSU	74.5	-	59.8
5	Duster	OSU	74.0	-	59.2
6	TAM 111	TAMU	73.5	68.5	61.2
7	TAM 110	TAMU	72.4	50.0	60.1
8	Art	AgriPro	71.9	-	59.3
9	T81	Trio Seed Research	71.7	63.3	60.2
10	Blend	TAM 112, TAM 111, Jagalene	71.6	-	60.8
11	Hatcher	CSU	71.4	-	60.3
12	Danby	KSU	71.1	-	61.3
13	AP05TW2821*	AgriPro	70.7	-	58.4
14	AP06T3832*	AgriPro	70.3	-	58.8
15	Dumas	AgriPro	70.0	52.3	60.1
16	Cutter	AgriPro	69.7	63.0	59.0
17	Endurance	OSU	69.5	57.0	57.9
18	TAM 112	TAMU	69.1	48.1	62.0
19	Jagalene	AgriPro	69.0	63.0	60.2
20	TX03A0563*	TAMU	68.6	-	58.8
21	Aspen	Westbred	67.8	-	61.0
22	Jackpot (AP07T8211)	AgriPro	67.7	-	59.8
23	Keota	Westbred	65.6	-	61.9
24	TX01A5936*	TAMU	65.5	-	61.3
25	Santa Fe	Westbred	65.2	-	58.9
26	TAM 105	TAMU	65.2	51.5	58.8
27	TAM 203	TAMU	64.4	-	58.4
28	TAM 401	TAMU	64.1	-	57.0
29	TX03A0148*	TAMU	62.7	-	55.0
30	Longhorn	AgriPro	62.3	45.3	58.9
31	TAM W-101	TAMU	61.7	47.0	60.2
32	Fannin	AgriPro	61.5	60.8	61.7
33	Doans	AgriPro	61.5	65.4	59.3
34	Deliver	OSU	61.4	58.7	60.2
35	Neosho	AgriPro	60.9	-	59.2
36	OK Rising	OSU	59.4	-	59.5
37	AP05T2413*	AgriPro	58.9	-	58.8
38	Overley	KSU	58.8	64.0	58.9
39	Jagger	KSU	58.7	56.7	58.9
40	Shocker	Westbred	55.9	-	58.4

<b>Mean</b>	<b>67.3</b>	<b>57.5</b>	<b>59.6</b>
<b>CV (%)</b>	<b>7.1</b>		
<b>LSD (5%)</b>	<b>7.8</b>		

\* Experimental wheat breeding line

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



## Uniform Wheat Variety Trial - Castro Co. - Irrigated, 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 W-101	TAMU	37.9	50.9	-	57.7
2	Endurance	OSU	37.6	61.8	71.9	56.5
3	Shocker	Westbred	37.6	66.2	-	55.8
4	TAM 112	TAMU	37.1	44.9	64.3	57.8
5	Overley	KSU	35.6	64.9	73.2	57.4
6	Hatcher	CSU	35.5	51.9	65.4	57.4
7	TAM 304	TAMU	34.8	62.1	74.3	53.4
8	Danby	KSU	33.7	-	-	55.5
8	Jagalene	AgriPro	33.7	59.0	72.7	55.5
9	Blend	TAM 112, TAM 111, Jagalene	33.5	49.6	68.0	55.5
10	Jackpot (AP07T8211)	AgriPro	33.0	52.6	-	56.0
11	TAM 105	TAMU	32.9	47.3	65.6	55.0
12	Dumas	AgriPro	32.7	60.2	69.0	55.5
13	Duster	OSU	32.6	55.2	-	55.5
14	Fannin	AgriPro	32.1	50.4	62.4	56.0
15	AP05TW2821*	AgriPro	31.8	-	-	52.9
16	TAM 203	TAMU	31.6	61.3	73.5	55.0
17	Keota	Westbred	31.5	54.4	70.2	58.4
18	Doans	AgriPro	31.4	56.6	-	57.7
19	Cutter	AgriPro	31.2	54.2	70.6	53.7
20	TAM 110	TAMU	30.2	49.5	65.4	54.6
21	TAM 111	TAMU	30.0	60.7	75.3	54.8
22	TX02A0252*	TAMU	29.4	-	-	57.7
23	TAM 401	TAMU	29.4	58.3	-	53.1
24	AP05T2413*	AgriPro	29.3	-	-	54.4
25	Santa Fe	Westbred	29.2	55.4	68.2	56.4
26	Deliver	OSU	29.1	55.0	62.6	56.0
27	Jagger	KSU	28.9	47.2	59.9	55.0
28	AP06T3832*	AgriPro	28.8	-	-	52.9
29	Aspen	Westbred	28.4	65.6	-	57.4
30	TX03A0563*	TAMU	28.2	-	-	56.5
31	Fuller	KSU	28.0	59.3	-	56.4
32	Bullet	OSU	27.9	58.0	68.9	53.9
33	Art	AgriPro	27.7	-	-	55.4
34	T81	Trio Seed Research	26.7	60.9	75.2	57.1
35	OK Rising	OSU	26.7	-	-	53.6
36	TX01A5936*	TAMU	24.7	47.0	59.8	56.7
37	Neosho	AgriPro	24.4	51.6	64.9	54.8
38	Longhorn	AgriPro	23.8	47.3	56.4	53.6
39	TX03A0148*	TAMU	22.0	-	-	52.6

<b>Mean</b>	<b>31.0</b>	<b>55.5</b>	<b>67.7</b>	<b>55.6</b>
<b>CV (%)</b>	<b>16.4</b>			
<b>LSD (5%)</b>	<b>8.2</b>			

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2008 and 2007

<sup>‡</sup> yield average for 2008, 2007, and 2006

## Uniform Wheat Variety Trial - Claude - Dryland, Hard Wheat 2008

2008 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2008	2-Year †	3-Year ‡	2008
1	TAM 112	TAMU	15.1	47.5	42.7	60.0
2	TX02A0252*	TAMU	13.5	-	-	59.0
3	TAM 304	TAMU	13.1	48.1	42.2	58.0
4	TAM 110	TAMU	13.0	44.9	40.3	59.2
5	TX03A0563*	TAMU	11.2	-	-	60.0
6	Jackpot (AP07T8211)	AgriPro	11.0	44.6	-	59.3
7	TAM 105	TAMU	11.0	37.0	34.0	59.0
8	Neosho	AgriPro	10.7	40.9	36.0	58.0
9	Fuller	KSU	10.6	41.3	37.2	59.2
10	Longhorn	AgriPro	10.4	38.4	33.8	57.7
11	Hatcher	CSU	10.3	47.1	41.3	58.7
12	T81	Trio Seed Research	10.1	41.4	37.4	59.0
13	TX03A0148*	TAMU	10.0	-	-	55.4
14	Doans	AgriPro	9.9	43.3	39.4	59.2
15	Blend	TAM 112, TAM 111, Jagalene	9.8	45.0	40.9	59.8
16	Endurance	OSU	9.8	39.2	36.4	59.6
17	TAM W-101	TAMU	9.8	35.4	32.1	57.0
18	Duster	OSU	9.5	41.7	39.0	58.4
19	TX01A5936*	TAMU	9.0	43.8	39.6	58.0
20	Cutter	AgriPro	8.9	39.6	36.6	58.4
21	Aspen	Westbred	8.9	-	-	58.0
22	Jagalene	AgriPro	8.8	38.6	36.3	58.9
23	Dumas	AgriPro	8.7	43.9	39.0	59.1
24	Bullet	OSU	8.7	41.1	37.1	57.3
25	TAM 111	TAMU	7.8	44.0	39.6	58.7
26	Jagger	KSU	7.8	37.6	35.3	58.2
27	TAM 401	TAMU	7.8	35.1	-	57.7
28	OK Rising	OSU	7.7	-	-	57.0
29	Overley	KSU	7.6	37.2	34.7	58.4
30	AP05TW2821*	AgriPro	7.6	-	-	55.6
31	TAM 203	TAMU	7.6	35.0	33.6	55.0
32	Santa Fe	Westbred	7.4	40.0	35.9	58.5
33	Keota	Westbred	7.4	38.5	36.2	57.7
34	AP06T3832*	AgriPro	7.2	-	-	56.6
35	Deliver	OSU	6.6	42.7	39.0	55.0
36	Shocker	Westbred	6.1	37.3	-	56.3
37	Art	AgriPro	6.0	-	-	57.8
38	Danby	KSU	5.7	-	-	59.2
39	Fannin	AgriPro	4.6	35.8	31.4	58.0
40	AP05T2413*	AgriPro	4.4	-	-	54.7

**Mean**    **9.0**        **40.9**        **37.3**        **58.0**  
**CV (%)**    **21.4**  
**LSD (5%)**    **3.1**

\* Experimental wheat breeding line

† yield average for 2008 and 2007

‡ yield average for 2008, 2007, and 2006

## Uniform Wheat Variety Trial - Dalhart - Irrigated, 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 112	TAMU	83.9	82.7	87.2	58.6
2	Endurance	OSU	83.4	81.9	90.4	48.4
3	Jagalene	AgriPro	82.3	84.5	91.8	49.8
4	Danby	KSU	78.3	-	-	59.9
5	T81	Trio Seed Research	77.9	76.7	87.7	58.6
6	TX01A5936*	TAMU	77.1	79.1	-	58.4
7	TX03A0563*	TAMU	75.9	-	-	59.9
8	TAM 110	TAMU	75.6	80.1	88.3	56.5
9	TAM 105	TAMU	75.5	78.8	87.6	57.7
10	Keota	Westbred	75.0	75.6	-	59.2
11	Aspen	Westbred	75.0	-	-	56.5
12	TAM 111	TAMU	74.5	80.7	93.9	57.7
13	TX02A0252*	TAMU	74.5	-	-	55.4
14	Art	AgriPro	74.2	-	-	56.4
15	Overley	KSU	74.2	76.8	88.3	52.7
16	Blend	TAM 112, TAM 111, Jagalene	72.4	77.0	-	58.4
17	TX03A0148*	TAMU	72.4	-	-	49.3
18	TAM 304	TAMU	71.9	80.6	87.9	57.0
19	Duster	OSU	71.1	-	-	48.8
20	Hatcher	CSU	70.5	77.7	-	58.8
21	TAM 203	TAMU	70.3	72.6	-	57.2
22	Jagger	KSU	69.9	73.2	84.5	56.1
23	AP05TW2821*	AgriPro	69.3	-	-	50.6
24	AP06T3832*	AgriPro	68.3	-	-	52.7
25	Bullet	OSU	68.2	73.1	-	50.0
26	Doans	AgriPro	67.8	71.8	83.7	57.1
27	Dumas	AgriPro	67.6	74.7	88.9	55.7
28	Longhorn	AgriPro	66.4	69.5	75.7	47.5
29	Fuller	KSU	66.3	75.2	-	52.4
30	Deliver	OSU	65.2	71.4	82.5	48.2
31	Cutter	AgriPro	64.2	71.9	85.7	56.0
32	Shocker	Westbred	64.0	-	-	58.6
33	Santa Fe	Westbred	63.8	68.7	-	56.4
34	TAM W-101	TAMU	62.7	61.6	70.6	59.5
35	TAM 401	TAMU	62.7	-	-	55.0
36	Jackpot (AP07T8211)	AgriPro	62.5	-	-	56.8
37	OK Rising	OSU	60.7	-	-	54.8
38	AP05T2413*	AgriPro	60.7	-	-	47.2
39	Fannin	AgriPro	59.0	66.4	75.4	52.3
40	Neosho	AgriPro	57.7	64.0	-	56.2
<b>Mean</b>			<b>70.3</b>	<b>74.9</b>	<b>85.3</b>	<b>55.0</b>
<b>CV (%)</b>			<b>9.8</b>			
<b>LSD (5%)</b>			<b>11.2</b>			

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2008 and 2006

<sup>‡</sup> yield average for 2008, 2006, and 2005

## Uniform Wheat Variety Trial - Etter - Irrigated, 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	43.8	58.8	52.5	56.4
2	TAM 112	TAMU	41.1	54.8	50.7	59.3
3	Hatcher	CSU	40.2	53.6	49.8	58.6
4	Endurance	OSU	36.9	44.5	44.0	58.3
5	AP06T3832*	AgriPro	36.7	-	-	55.4
6	TX03A0148*	TAMU	36.3	-	-	55.3
7	TX02A0252*	TAMU	35.4	-	-	57.6
8	TAM 203	TAMU	34.9	50.4	47.0	54.1
9	Jackpot (AP07T8211)	AgriPro	34.6	46.1	-	57.2
10	Danby	KSU	34.5	-	-	60.0
11	Cutter	AgriPro	34.1	43.9	42.5	57.3
12	Bullet	OSU	33.4	47.7	44.7	57.6
13	TX03A0563*	TAMU	32.8	-	-	58.4
14	Duster	OSU	32.6	48.6	-	57.5
15	TAM 401	TAMU	32.3	44.6	-	56.5
16	Doans	AgriPro	32.1	44.0	-	57.5
17	Aspen	Westbred	31.5	41.1	-	57.8
18	T81	Trio Seed Research	31.2	47.3	43.0	57.4
19	Art	AgriPro	30.9	-	-	56.0
20	Fuller	KSU	30.4	45.2	-	57.4
21	Blend	TAM 112, TAM 111, Jagalene	30.4	45.4	43.6	57.0
22	Neosho	AgriPro	30.2	45.4	43.5	57.5
23	Longhorn	AgriPro	29.8	40.3	37.5	55.6
24	TAM 110	TAMU	29.4	46.9	43.1	56.3
25	AP05TW2821*	AgriPro	29.2	-	-	53.8
26	Jagalene	AgriPro	28.9	41.4	-	55.3
27	Deliver	OSU	28.8	40.2	37.4	56.9
28	TX01A5936*	TAMU	28.5	43.8	42.1	57.8
29	TAM 111	TAMU	28.1	50.8	45.3	56.6
30	Fannin	AgriPro	27.5	42.3	38.3	56.3
31	Dumas	AgriPro	27.0	46.1	42.3	56.9
32	Jagger	KSU	26.8	36.8	36.2	56.5
33	TAM 105	TAMU	26.3	41.7	39.8	54.7
34	Keota	Westbred	26.1	46.0	43.8	57.6
35	AP05T2413*	AgriPro	25.8	-	-	53.7
36	TAM W-101	TAMU	25.7	41.1	-	55.3
37	Overley	KSU	25.5	39.9	36.0	57.0
38	Santa Fe	Westbred	24.3	38.2	36.7	56.3
39	Shocker	Westbred	24.3	37.9	-	54.4
40	OK Rising	OSU	23.3	-	-	54.9
<b>Mean</b>			<b>31.2</b>	<b>45.0</b>	<b>42.7</b>	<b>56.7</b>
<b>CV (%)</b>			<b>13.9</b>			
<b>LSD (5%)</b>			<b>7.0</b>			

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2008 and 2007

<sup>‡</sup> yield average for 2008, 2007, and 2006

## Uniform Wheat Variety Trial - Gaines Co. - Irrigated, Hard Wheat 2008

2008 Rank	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)
			2008	2-Year <sup>†</sup>	2008
1	Hatcher	CSU	90.3	77.1	59.7
2	T81	Trio Seed Research	89.9	69.6	59.9
3	Endurance	OSU	87.3	63.6	58.9
4	Jagalene	AgriPro	87.0	67.6	57.6
5	Keota	Westbred	86.8	68.9	59.6
6	Danby	KSU	86.7	-	62.0
7	Jackpot (AP07T8211)	AgriPro	86.3	64.9	59.8
8	TX01A5936*	TAMU	86.2	67.7	61.5
9	Overley	KSU	83.1	67.8	58.5
10	TAM 203	TAMU	83.1	65.1	57.9
11	OK Rising	OSU	83.0	-	59.0
12	Blend	TAM 112, TAM 111, Jagalene	82.1	60.8	61.1
13	TAM 111	TAMU	81.5	67.5	60.3
14	Duster	OSU	81.1	61.7	60.5
15	Bullet	OSU	81.1	63.0	60.0
16	Jagger	KSU	79.4	61.5	59.0
17	TAM 112	TAMU	79.4	67.7	58.4
18	TX03A0148*	TAMU	79.0	-	57.8
19	TAM W-101	TAMU	78.4	62.6	59.5
20	AP05TW2821*	AgriPro	76.8	-	58.6
21	TAM 105	TAMU	76.5	61.0	58.8
22	TAM 110	TAMU	76.1	63.1	57.9
23	Deliver	OSU	75.1	58.9	59.2
24	Fuller	KSU	75.1	61.4	58.7
25	TX03A0563*	TAMU	73.3	-	60.8
26	AP06T3832*	AgriPro	73.3	-	57.9
27	Neosho	AgriPro	73.2	64.1	59.2
28	Santa Fe	Westbred	72.8	56.1	58.6
29	Dumas	AgriPro	72.6	61.8	60.9
30	Art	AgriPro	70.6	-	59.9
31	TAM 304	TAMU	70.5	57.5	59.5
32	Doans	AgriPro	69.7	57.2	59.9
33	Shocker	Westbred	69.7	57.9	58.1
34	Cutter	AgriPro	69.5	57.3	59.5
35	Longhorn	AgriPro	69.3	53.3	58.1
36	Aspen	Westbred	67.3	59.8	60.4
37	Fannin	AgriPro	65.5	52.7	61.1
38	TX02A0252*	TAMU	65.1	-	61.1
39	AP05T2413*	AgriPro	65.0	-	57.3
40	TAM 401	TAMU	62.5	48.9	57.3

<b>Mean</b>	<b>80.2</b>	<b>64.5</b>	<b>59.4</b>
<b>CV (%)</b>	<b>9.4</b>		
<b>LSD (5%)</b>	<b>10.1</b>		

\* experimental wheat breeding line

<sup>†</sup> yield average for 2008 and 2007

## Uniform Wheat Variety Trial - Perryton, Irrigated 2008 (AgriPro)

2008 Rank	Variety	Source	Grain Yield (bu/ac)		
			2008	2-Year <sup>†</sup>	3-Year <sup>‡</sup>
1	TAM 304	TAMU	88.9	73.6	69.9
2	TAM 111	TAMU	84.9	71.4	66.4
3	TX02A0252	TAMU	83.2	-	-
4	TAM 112	TAMU	81.9	71.1	65.5
5	TAM 401	TAMU	80.5	-	-
6	FULLER	KSU	79.7	70.0	66.0
7	TX03A0148	TAMU	79.5	-	-
8	DUSTER	OSU	79.4	69.4	66.0
9	TAM 110	TAMU	79.2	62.6	60.9
10	HATCHER	CSU	78.7	-	-
11	ASPEN	Westbred	78.3	-	-
12	BLEND 4		77.4	-	-
13	AP05TW2821	AgriPro	77.1	-	-
14	TX01A5936	TAMU	76.9	-	-
15	TAM 203	TAMU	76.2	67.4	61.8
16	SANTA FE	Westbred	75.2	69.2	64.6
17	DANBY	KSU	74.7	-	-
18	BULLET	OSU	73.7	64.0	-
19	T-81	Trio Seed Research	73.7	-	-
20	OK RISING	OSU	73.5	-	-
21	AP06T3832	AgriPro	73.2	-	-
22	DOANS	AgriPro	72.6	68.4	63.9
23	JAGALENE	AgriPro	71.7	56.9	55.3
24	DELIVER	OSU	71.3	60.9	58.5
25	NEOSHO	AgriPro	71.3	56.7	56.2
26	CUTTER	AgriPro	71.1	56.1	54.9
27	TX03A0563	TAMU	70.4	-	-
28	LONGHORN	AgriPro	69.2	55.4	51.5
29	DUMAS	AgriPro	67.7	61.9	61.0
30	KEOTA	Westbred	67.4	-	-
31	TAM 105	TAMU	67.4	-	-
32	TAM 101	TAMU	66.7	56.0	-
33	JACKPOT	AgriPro	66.1	69.2	-
34	JAGGER	KSU	64.3	53.2	55.7
35	OVERLEY	KSU	62.7	57.3	56.3
36	AP05T2413	AgriPro	61.5	-	-
37	ART		61	-	-
38	ENDURANCE	OSU	60.4	56.8	57.2
39	FANNIN	AgriPro	59.4	60.7	55.6
40	SHOCKER	Westbred	58.8	60.9	-

**Mean** 70.4 - -

**CV** 6.7

**LSD (5%)** 7.9

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2008 and 2007

<sup>‡</sup> yield average for 2008, 2007, and 2006

*Test weights were not available at time of publication.*

# Rolling Plains – 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 Amarillo, Vernon, and College Station. We also appreciate the cooperation from numerous County Extension Agents and growers. In the Rolling Plains, nine UWVT trials were planted in eight locations. Below is a table describing the predominant issues that affected the 2007-08 wheat crop at each location. Some locations are not shown due to data not being ready at the time of publication.

Location	Issues
Abilene	Dry fall but good spring moisture; some greenbug damage
Chillicothe	Severe drought during the fall and winter with timely spring rains
Electra – No Till	Drought during the fall and winter with timely spring rains
Knox County	Late planted; excessively dry
Muenster	Above average rainfall; leaf rust present; high stripe rust pressure
Vernon – Dryland	Late planted; little to no disease presence; average season
Vernon – Irrigated	Dry planted, watered up; little to no disease presence
Wichita County	Late planted; average production season
Young County	Late planted; average production season

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

**Funding:** The State Uniform Variety Trial is supported by the Texas Wheat Producers Board, Texas AgriLife Extension Service, and Texas AgriLife Research



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## Uniform Wheat Variety Trial - Abilene, 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 112	TAMU	108.6	91.6	66.5	60.1
2	Santa Fe	Westbred	106.4	91.5	66.3	59.6
3	Fannin	AgriPro	98.0	79.0	54.8	61.0
4	TAM 110	TAMU	90.0	76.4	55.2	59.6
5	TAM 111	TAMU	83.4	75.7	56.6	61.2
6	Duster	OSU	82.9	73.3	56.6	61.6
7	Bullet	OSU	81.0	76.7	57.8	61.4
8	Jagalene	AgriPro	79.4	66.6	49.3	61.6
9	AP06T3832*	AgriPro	78.9	-	-	58.3
10	Dumas	AgriPro	76.3	70.7	51.5	61.6
11	OK Rising (OK00611W)	OSU	75.9	-	-	60.6
12	AP05TW2821*	AgriPro	74.1	-	-	58.4
13	TAM 304	TAMU	73.5	70.0	50.5	58.2
14	Cutter	AgriPro	70.8	60.4	46.2	61.2
15	Jackpot (AP04T8211)	AgriPro	69.5	-	-	60.4
16	TAM 203 (75 lb/a)	TAMU	67.6	-	-	59.3
17	Jagger	KSU	66.1	61.4	44.5	59.5
18	Endurance	OSU	66.0	61.4	47.1	59.9
19	Shocker	Westbred	64.2	63.3	-	58.7
20	AP05T2413*	AgriPro	63.8	-	-	60.6
21	Art	AgriPro	63.8	-	-	59.5
22	TAM 203 (60 lb/a)	TAMU	63.7	-	-	58.8
23	Fuller	KSU	62.9	66.6	50.0	59.2
24	TX02A0252*	TAMU	62.3	-	-	61.4
25	Coronado	AgriPro	59.7	56.8	41.1	59.6
26	Deliver	OSU	58.8	63.0	47.5	60.5
27	TAM 203 (30 lb/a)	TAMU	56.2	53.7	39.3	59.6
28	TAM 203 (45 lb/a)	TAMU	53.9	-	-	59.2
29	Overley	KSU	53.6	55.8	41.5	60.0
30	TX03A0563*	TAMU	51.3	-	-	60.2
31	TAM W-101	TAMU	51.1	51.8	41.0	59.3
32	Doans	AgriPro	50.9	58.2	42.4	60.5
33	TAM 401 (TX03M1096)	TAMU	49.3	58.7	-	58.9
34	TX03A0148*	TAMU	45.5	-	-	58.4
35	HG-9	Hardeman Grain	40.2	46.1	-	60.5
36	Longhorn	AgriPro	35.5	40.2	31.7	58.8

**Mean 69.6 65.4 49.4 59.9**

**CV (%) 14.0**

**LSD (5%) 15.9**

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2008 and 2007

<sup>‡</sup> yield average for 2008, 2007, and 2006



## Uniform Wheat Variety Trial - Chillicothe, 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 112	TAMU	47.6	53.4	43.7	63.3
2	AP06T3832*	AgriPro	45.7	-	-	61.5
3	Endurance	OSU	44.5	47.3	38.9	62.2
4	Santa Fe	Westbred	43.5	51.8	40.7	63.6
5	Jackpot (AP04T8211)	AgriPro	42.0	53.2	-	63.5
6	Longhorn	AgriPro	41.9	44.0	34.6	61.8
7	Fuller	KSU	41.8	50.7	41.3	63.9
8	AP05T2413*	AgriPro	41.8	-	-	62.5
9	Jagalene	AgriPro	41.2	45.1	38.2	64.0
10	Shocker	Westbred	41.0	50.9	-	62.0
11	Fannin	AgriPro	40.6	47.4	37.3	64.7
12	Dumas	AgriPro	39.7	48.7	39.1	64.0
13	Bullet	OSU	39.7	47.2	39.3	63.2
14	Jagger	KSU	39.7	46.5	37.0	62.9
15	TAM 111	TAMU	39.1	45.4	36.4	63.0
16	Cutter	AgriPro	38.8	45.1	38.2	64.0
17	Overley	KSU	38.7	51.2	41.5	63.5
18	AP05TW2821*	AgriPro	38.3	-	-	61.1
19	Duster	OSU	37.9	47.3	38.3	62.9
20	TAM W-101	TAMU	37.6	41.0	33.4	61.8
21	TAM 401 (TX03M1096)	TAMU	37.4	43.6	-	61.1
22	TAM 110	TAMU	36.8	42.1	34.7	62.0
23	Art	AgriPro	36.6	-	-	63.2
24	Doans	AgriPro	36.1	44.8	35.8	63.5
25	Deliver	OSU	36.0	42.8	34.5	63.5
26	OK Rising (OK00611W)	OSU	35.9	-	-	62.5
27	TAM 203 (60 lb/a)	TAMU	35.6	-	-	61.1
28	TAM 203 (30 lb/a)	TAMU	35.3	50.1	40.0	61.3
29	TAM 203 (75 lb/a)	TAMU	35.2	-	-	61.6
30	TX02A0252*	TAMU	35.0	-	-	64.2
31	TX03A0148*	TAMU	34.5	-	-	60.9
32	TAM 304	TAMU	34.3	49.3	39.2	60.9
33	Coronado	AgriPro	34.1	38.2	32.8	62.3
34	TX03A0563*	TAMU	33.1	-	-	63.9
35	TAM 203 (45 lb/a)	TAMU	30.3	-	-	61.2
36	HG-9	Hardeman Grain	28.6	34.7	-	62.9

<b>Mean</b>	<b>39.2</b>	<b>46.5</b>	<b>37.8</b>	<b>62.6</b>
<b>CV (%)</b>	<b>11.3</b>			
<b>LSD (5%)</b>	<b>7.2</b>			

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2008 and 2007

<sup>‡</sup> yield average for 2008, 2007, and 2006

## Uniform Wheat Variety Trial - Electra No-Till, Hard Wheat 2008

2008 Rank	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)
			2008	2-Year <sup>†</sup>	2008
1	TX02A0252*	TAMU	68.0	-	63.2
2	Cutter	AgriPro	61.9	52.9	61.8
3	Jagalene	AgriPro	61.0	53.5	61.6
4	TAM 112	TAMU	57.9	55.2	62.0
5	Bullet	OSU	56.3	59.1	62.2
6	Longhorn	AgriPro	55.5	51.3	61.1
7	TX03A0563*	TAMU	54.3	-	62.0
8	TAM 111	TAMU	54.1	50.6	62.2
9	Doans	AgriPro	50.9	46.7	61.9
10	Endurance	OSU	49.1	49.4	60.5
11	Jackpot (AP04T8211)	AgriPro	48.8	56.0	60.9
12	TAM 110	TAMU	48.1	46.7	59.8
13	Overlay	KSU	47.9	51.9	61.5
14	Santa Fe	Westbred	46.6	51.2	61.1
15	AP05TW2821*	AgriPro	46.2	-	59.1
16	AP06T3832*	AgriPro	46.0	-	59.6
17	OK Rising (OK00611W)	OSU	45.8	-	61.1
18	Jagger	KSU	45.2	42.8	60.4
19	Fuller	KSU	44.9	48.5	60.8
20	HG-9	Hardeman Grain	44.1	38.2	61.8
21	Deliver	OSU	42.9	43.0	61.1
22	Coronado	AgriPro	42.4	45.4	60.8
23	TX03A0148*	TAMU	42.4	-	59.2
24	TAM 401 (TX03M1096)	TAMU	40.9	48.8	59.5
25	TAM 203 (30 lb/a)	TAMU	39.1	46.9	58.7
26	Dumas	AgriPro	38.2	49.9	61.3
27	Duster	OSU	36.6	44.4	61.2
28	Fannin	AgriPro	35.9	43.7	61.8
29	Shocker	Westbred	35.6	41.7	59.8
30	TAM W-101	TAMU	33.0	40.4	60.4
31	Art	AgriPro	32.6	-	60.2
32	TAM 304	TAMU	32.4	41.4	58.7
33	AP05T2413*	AgriPro	31.3	-	61.2
34	TAM 203 (45 lb/a)	TAMU	29.0	-	58.4
35	TAM 203 (75 lb/a)	TAMU	26.9	-	58.1
36	TAM 203 (60 lb/a)	TAMU	26.3	-	57.7

	<b>Mean</b>	<b>45.5</b>	<b>48.0</b>	<b>60.6</b>
	<b>CV (%)</b>	<b>17.0</b>		
	<b>LSD (5%)</b>	<b>12.6</b>		

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2008 and 2007

## Uniform Wheat Variety Trial - Knox County, Hard Wheat 2008 (AgriPro)

2008 Rank	Variety	Source	Grain Yield (bu/ac)	
			2008	2-Year †
1	TAM 112	TAMU	38.8	41.3
2	TAM 203 (75 lb/a)	TAMU	36.9	-
3	TAM 203 (90 lb/a)	TAMU	36.8	-
4	TX02A0252*	AgriPro	36.7	-
5	BULLET	OSU	36.2	42.4
6	TAM 203 (60 lb/a)	TAMU	35.9	-
7	JAGALENE	AgriPro	35.5	39.4
8	TAM 304	TAMU	35.4	44.6
9	FULLER	KSU	34.7	42.2
10	DUMAS	AgriPro	34.6	42.5
11	TAM 203 (45 lb/a)	TAMU	34.5	39.3
12	TX03A0563*	TAMU	34.1	-
13	JACKPOT	AgriPro	33.7	-
14	JAGGER	KSU	33.6	37.1
15	SANTA FE	Westbred	33.1	39.8
16	CUTTER	AgriPro	32.8	39.4
17	TAM 110	TAMU	32.6	31.9
18	CORONADO	AgriPro	32.4	40.0
19	OK RISING	OSU	32.2	-
20	DUSTER	OSU	31.8	38.4
21	AP06T3832*	AgriPro	31.3	-
22	ENDURANCE	OSU	31.2	36.2
23	TAM 401	TAMU	30.9	-
24	AP05T2413*	AgriPro	30.9	-
25	SHOCKER	Westbred	30.5	40.4
26	ART	AgriPro	30.0	38.9
27	DOANS	AgriPro	29.9	37.7
28	TAM 111	TAMU	29.6	33.3
29	HG-9	Hardeman Grain	28.6	32.1
30	TX03A0148*	TAMU	28.3	-
31	OVERLEY	KSU	27.8	36.9
32	DELIVER	OSU	27.5	35.2
33	FANNIN	AgriPro	25.8	35.6
34	TAM 101	TAMU	25.2	33.2
35	AP05TW2821*	AgriPro	24.8	-
36	LONGHORN	AgriPro	22.8	32.1

	<b>Mean</b>	<b>32.4</b>	<b>-</b>
* Experimental wheat breeding line	<b>CV (%)</b>	<b>9.8</b>	<b>-</b>
† yield average for 2008 and 2007	<b>LSD (5%)</b>	<b>5.2</b>	<b>-</b>

Test weights were not available at time of publication.

## Uniform Wheat Variety Trial - Muenster Dryland, Hard Wheat 2008 (AgriPro)

2008 Rank	Variety	Source	Grain Yield
			(bu/ac) 2008
1	TAM 304	TAMU	89.4
2	TAM 401	TAMU	81.1
3	DUSTER	OSU	80.9
4	SHOCKER	Westbred	79.3
5	SANTA FE	Westbred	78.7
6	FULLER	KSU	77.9
7	TAM 203 (45 lb/a)	TAMU	76.5
8	DOANS	AgriPro	75.5
9	JACKPOT	AgriPro	75.5
10	TAM 203 (90 lb/a)	TAMU	75.3
11	AP06T3832	AgriPro	73.8
12	DUMAS	AgriPro	72.7
13	FANNIN	AgriPro	72.5
14	TAM 203	TAMU	72.2
15	TX03A0563*	TAMU	70.4
16	TX02A0252*	TAMU	69.9
17	TAM 112	TAMU	69.7
18	TAM 203 (75 lb/a)	TAMU	69.3
19	DELIVER	OSU	68.1
20	TX03A0148*	TAMU	67.7
21	ART	AgriPro	65.3
22	CORONADO	AgriPro	64.5
23	AP05T2413*	AgriPro	64.0
24	TAM 111	TAMU	63.9
25	TAM 101	TAMU	63.1
26	AP05TW2821*	AgriPro	62.8
27	OK RISING	OSU	61.9
28	OVERLEY	KSU	59.3
29	ENDURANCE	OSU	58.6
30	TAM 110	TAMU	56.7
31	HG-9	Hardeman Grain	54.2
32	BULLET	OSU	52.5
33	JAGGER	KSU	52.2
34	LONGHORN	AgriPro	50.3
35	JAGALENE	AgriPro	44.9
36	CUTTER	AgriPro	37.8

	<b>Mean</b>	65.6
* Experimental wheat breeding line	<b>CV (%)</b>	9.3
	<b>LSD (5%)</b>	9.9

*Test weights were not available at time of publication.*

## Uniform Wheat Variety Trial - Vernon Dryland, Hard Wheat 2008 (AgriPro)

2008 Rank	Variety	Source	Grain Yield (bu/ac)		
			2008	2-Year <sup>†</sup>	3-Year <sup>‡</sup>
1	TAM 112	TAMU	70.3	63.4	44.4
2	AP06T3832*	AgriPro	65.8	-	-
3	JACKPOT	AgriPro	65.4	-	-
4	TAM 111	TAMU	61.5	56.3	37.0
5	TX02A0252*	TAMU	61.3	-	-
6	JAGGER	KSU	60.2	56.0	35.4
7	SANTA FE	Westbred	59.8	57.4	38.2
8	BULLET	OSU	59.6	56.8	-
9	AP05TW2821*	AgriPro	59.2	-	-
10	FULLER	KSU	57.7	60.9	45.0
11	CORONADO	AgriPro	57.5	55.7	36.1
12	SHOCKER	Westbred	57.4	58.1	-
13	TAM 304	TAMU	57.2	60.0	44.6
14	ART	AgriPro	56.5	60.3	-
15	ENDURANCE	OSU	56.4	55.4	39.3
16	TAM 110	TAMU	55.8	53.8	39.0
17	DOANS	AgriPro	55.6	52.6	36.0
18	OVERLEY	KSU	54.8	57.0	42.2
19	OK RISING	OSU	54.5	-	-
20	TX03A0563*	TAMU	53.8	-	-
21	FANNIN	AgriPro	53.5	55.7	42.3
22	JAGALENE	AgriPro	52.8	49.0	35.6
23	TAM 203 (75 lb/a)	TAMU	52.1	-	-
24	TAM 203 (90 lb/a)	TAMU	51.9	-	-
25	DUMAS	AgriPro	51.6	52.6	39.3
26	TAM 401	TAMU	51.0	-	-
27	LONGHORN	AgriPro	50.7	45.9	30.3
28	CUTTER	AgriPro	50.3	48.5	36.4
29	DUSTER	OSU	49.9	56.7	45.1
30	TAM 203 (45 lb/a)	TAMU	49.0	-	-
31	DELIVER	OSU	47.3	49.9	35.8
32	AP05T2413*	AgriPro	47.2	-	-
33	TX03A0148*	TAMU	46.3	-	-
34	TAM 101	TAMU	46.0	48.8	-
35	TAM 203	TAMU	45.2	52.6	44.1
36	HG-9	Hardeman Grain	43.2	46.3	35.1

<b>Mean</b>	<b>55.5</b>	<b>56.5</b>	<b>39.3</b>
<b>CV (%)</b>	<b>10.3</b>		
<b>LSD (5%)</b>	<b>9.3</b>		

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2008 and 2007

<sup>‡</sup> yield average for 2008, 2007, and 2006

*Test weights were not available at time of publication.*

## Uniform Wheat Variety Trial - Vernon, Irrigated Hard Wheat 2008 (AgriPro)

2008 Rank	Variety	Source	Grain Yield (bu/ac)		
			2008	2-Year <sup>†</sup>	3-Year <sup>‡</sup>
1	TAM 112	TAMU	87.5	74.1	58.1
2	TAM 110	TAMU	83.0	63.9	47.5
3	DUSTER	OSU	80.2	64.9	51.5
4	FULLER	KSU	78.7	69.4	53.9
5	TAM 304	TAMU	78.2	66.8	50.1
6	TX02A0252*	TAMU	77.6	-	-
7	DOANS	AgriPro	76.1	62.1	46.4
8	TAM 203 (75 lb/a)	TAMU	75.3	-	-
9	SANTA FE	Westbred	74.7	66.4	53.4
10	JACKPOT	AgriPro	73.7	-	-
11	TAM 111	TAMU	73.6	59.8	49.5
12	TX03A0563*	TAMU	73.2	-	-
13	TAM 203	TAMU	73.0	67.9	52.2
14	ENDURANCE	OSU	72.7	63.4	54.3
15	JAGGER	KSU	71.8	56.2	43.3
16	TAM 401	TAMU	71.3	-	-
17	TAM 101	TAMU	71.2	59.5	-
18	TX03A0148*	TAMU	70.3	-	-
19	TAM 203 (90 lb/a)	TAMU	70.2	-	-
20	CORONADO	AgriPro	69.7	60.0	43.8
21	TAM 203 (45 lb/a)	TAMU	69.2	-	-
22	BULLET	OSU	68.6	62.9	-
23	CUTTER	AgriPro	67.7	50.7	45.4
24	SHOCKER	Westbred	67.7	66.3	-
25	AP06T3832*	AgriPro	66.0	-	-
26	FANNIN	AgriPro	65.8	62.8	47.4
27	DELIVER	OSU	65.4	62.0	56.9
28	JAGALENE	AgriPro	65.2	48.6	40.5
29	ART	AgriPro	64.0	56.6	-
30	DUMAS	AgriPro	63.2	59.4	53.8
31	AP05TW2821*	AgriPro	62.8	-	-
32	HG-9	Hardeman Grain	62.4	53.2	43.4
33	OVERLEY	KSU	62.1	62.6	58.5
34	LONGHORN	AgriPro	60.7	50.1	39.3
35	OK RISING	OSU	55.7	-	-
36	AP05T2413*	AgriPro	45.7	-	-

**Mean 70.8 61.2 49.5**

**CV (%) 5.0**

**LSD (5%) 5.7**

\*Experimental wheat breeding line

<sup>†</sup> yield average for 2008 and 2007

<sup>‡</sup> yield average for 2008, 2007, and 2006

*Test weights were not available at time of publication.*

## Uniform Wheat Variety Trial - Wichita Co, Hard Wheat 2008 (AgriPro)

2008 Rank	Variety	Source	Grain Yield (bu/ac)	
			2008	2-Year <sup>†</sup>
1	Santa Fe	Westbred	69.1	60.0
2	Shocker	Westbred	62.8	61.5
3	TAM 112	TAMU	60.2	63.0
4	TAM 203 (75 lb/a)	TAMU	60.2	-
5	AP06T3832*	AgriPro	59.5	-
6	Doans	AgriPro	59.0	54.3
7	Jackpot	AgriPro	59.0	65.4
8	Jagalene	AgriPro	58.5	44.7
9	TAM 110	TAMU	58.0	46.3
10	Fuller	KSU	57.8	58.6
11	Coronado	AgriPro	57.3	54.4
12	Cutter	AgriPro	56.3	46.0
13	Jagger	KSU	55.8	48.0
14	Fannin	AgriPro	55.4	57.9
15	TAM 111	TAMU	54.5	48.3
16	Art	AgriPro	54.4	54.8
17	Dumas	AgriPro	53.5	53.2
18	AP05TW2821*	AgriPro	53.3	-
19	Bullet	OSU	53.2	54.3
20	Duster	OSU	52.9	52.2
21	Overley	KSU	52.6	59.8
22	TAM 203 (45 lb/a)	TAMU	52.0	-
23	TAM 203 (30 lb/a)	TAMU	51.6	-
24	HG-9	Hardeman Grain	51.5	47.4
25	OK00611W*	OSU	51.1	-
26	TAM 304	TAMU	50.6	54.3
27	TX02A0252*	TAMU	48.8	-
28	TAM 401	TAMU	47.9	57.5
29	AP05T2413*	AgriPro	47.8	-
30	TAM W-101	TAMU	47.8	-
31	Endurance	OSU	47.5	50.9
32	Deliver	OSU	46.5	51.3
33	TX03A0148*	TAMU	44.0	-
34	TAM 203	TAMU	39.3	52.2
35	Longhorn	AgriPro	33.7	35.7
36	TX03A0563*	TAMU	31.8	-

	<b>Mean</b>	<b>54.3</b>	<b>53.3</b>
*Experimental wheat breeding line	<b>CV (%)</b>	<b>15.1</b>	
<sup>†</sup> yield average for 2008 and 2007	<b>LSD (5%)</b>	<b>13.3</b>	

Test weights were not available at time of publication.

## Uniform Wheat Variety Trial - Young County, Hard Wheat 2008 (AgriPro)

2008 Rank	Variety	Source	Grain Yield (bu/ac)	
			2008	2-Year <sup>†</sup>
1	TAM 112	TAMU	59.1	52.4
2	JACKPOT	AgriPro	58.4	54.4
3	CUTTER	AgriPro	57.6	48.8
4	DUSTER	OSU	57.0	53.6
5	SHOCKER	Westbred	56.5	52.3
6	SANTA FE	Westbred	55.3	52.7
7	ENDURANCE	OSU	54.5	50.5
8	AP06T3832*	AgriPro	54.4	—
9	ART	AgriPro	53.8	48.5
10	TX02A0252*	TAMU	52.1	—
11	DOANS	AgriPro	52.0	48.7
12	BULLET	OSU	51.2	52.1
13	JAGGER	KSU	51.0	44.8
14	JAGALENE	AgriPro	50.9	41.7
15	CORONADO	AgriPro	50.9	48.9
16	FANNIN	AgriPro	50.8	47.7
17	FULLER	KSU	50.0	48.0
18	AP05TW2821*	AgriPro	49.3	—
19	DELIVER	OSU	48.3	44.8
20	TAM 304	TAMU	48.3	47.0
21	HG-9	Hardeman Grain	48.3	42.5
22	OVERLEY	KSU	47.0	42.6
23	TAM 110	TAMU	46.6	40.7
24	TAM 401	TAMU	46.6	—
25	OK RISING	OSU	46.3	—
26	LONGHORN	AgriPro	45.9	40.1
27	TAM 101	TAMU	45.6	46.0
28	TAM 111	TAMU	45.1	44.9
29	TX03A0563*	TAMU	43.1	—
30	DUMAS	AgriPro	41.9	43.1
31	AP05T2413*	AgriPro	41.8	—
32	TX03A0148*	TAMU	40.4	—
33	TAM 203	TAMU	39.9	40.1
34	TAM 203 (45 lb/a)	TAMU	38.9	—
35	TAM 203 (90 lb/a)	TAMU	37.6	—
36	TAM 203 (75 lb/a)	TAMU	37.3	—

	<b>Mean</b>	<b>49.4</b>	<b>47.1</b>
	<b>CV (%)</b>	<b>9.2</b>	
	<b>LSD (5%)</b>	<b>7.4</b>	
* Experimental wheat breeding line			
<sup>†</sup> yield average for 2008 and 2007			

Test weights were not available at time of publication.



# Blacklands – 2008

## Uniform Wheat Variety Trials

<http://varietytesting.tamu.edu>

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### AgriPro Wheat

David Worrall and Michael Schoppa

**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 Wheat Variety Trial (UWVT) evaluated hard wheat varieties within the Blacklands of Texas. This research is coordinated and implemented by numerous Texas AgriLife Extension and Research faculty and staff from Amarillo, Dallas, College Station, and Commerce. The hard wheat UWVT was planted at 4 locations within the Blacklands. Below is a table describing the predominant issues that affected the 2007-08 wheat crop at each location. Some locations are not shown because data was not ready at time of publication.

Location	Issues
Commerce	Good year; severe bird damage; moderate leaf and strip rust early
Ellis County	Good year, wet winter, spring, and fall
Hillsboro	Good year, wet winter, spring and fall; moderately-high disease pressure
Prosper	Good year, wet winter, spring, and fall, slight greenbug pressure
McGregor	Good year, wet winter and spring; dry fall; some Hessian Fly and greenbug pressure

**Rankings:** The rankings assigned to the varieties on the following pages were determined by 2008 grain yields across the area. Where two varieties yielded the same; test weight was used as a tiebreaker.

**Funding:** The State Uniform Variety Trial is supported by the Texas Wheat Producers Board, Texas AgriLife Extension Service, and Texas AgriLife Research.



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## Uniform Wheat Variety Trial - Ellis County, 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	Jackpot (AP04T8211)	AgriPro	71.7	69.6	-	57.5
2	Fuller	KSU	63.7	63.1	-	58.8
3	TAM 401 (TX03M1096)	TAMU	61.9	58.0	-	47.5
4	Shocker	Westbred	61.3	58.8	-	57.0
5	TAM 304	TAMU	59.8	54.9	58.5	54.7
6	AP06T3832*	AgriPro	58.8	-	-	55.7
7	Fannin	AgriPro	57.9	59.7	61.4	59.8
8	Santa Fe	Westbred	57.4	54.4	-	57.0
9	TAM 203	TAMU	56.3	60.7	-	57.4
10	Blend 3	TAM 111, Coronado, Fannin	55.7	51.8	-	58.8
11	Dumas	AgriPro	55.1	55.7	54.6	57.1
12	Blend 1	2145, Coronado, Fannin	53.9	52.5	-	59.2
13	TX03A0563*	TAMU	53.1	-	-	56.2
14	AP05T2413*	AgriPro	52.4	-	-	54.0
15	Duster	OSU	51.5	50.5	50.8	57.8
16	Art	AgriPro	50.9	-	-	57.0
17	Sturdy 2K	TAMU	49.9	51.4	52.5	55.7
18	Coronado	AgriPro	49.7	53.0	54.0	57.1
19	AP05TW2821*	AgriPro	49.6	-	-	54.5
20	Doans	AgriPro	49.1	48.1	51.1	59.0
21	Deliver	OSU	48.9	48.8	44.3	56.4
22	TAM 112	TAMU	47.8	45.5	43.3	56.9
23	Blend 2	Fannin, Cutter, Sturdy 2K	46.8	44.9	-	57.9
24	Endurance	OSU	45.8	46.2	50.5	53.4
25	TX03A0148*	TAMU	45.3	-	-	55.8
26	Overley	KSU	43.9	48.7	48.5	56.5
27	OK Rising (OK00611W)	OSU	43.1	-	-	53.2
28	TX02A0252*	TAMU	37.1	-	-	54.3
29	Bullet	OSU	36.6	44.3	-	53.4
30	TAM 110	TAMU	35.7	30.7	31.2	53.0
31	Ogallala	AgriPro	31.2	35.5	40.9	54.3
32	Longhorn	AgriPro	31.1	33.7	37.5	53.5
33	TAM 111	TAMU	30.7	32.5	39.6	52.9
34	Jagger	KSU	28.4	30.1	32.5	52.2
35	Cutter	AgriPro	28.3	27.6	39.8	52.9
36	Jagalene	AgriPro	25.3	29.3	30.0	54.0
37	Winmaster	Abilene Ag	23.3	27.9	-	50.4
38	TAM W-101	TAMU	17.8	24.8	28.4	54.9

**Mean** 47.7    46.4    44.7    55.5  
**CV (%)** 9.8  
**LSD (5%)** 7.6

\* 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 - Hillsboro, Hard Wheat 2008 (AgriPro)

2008 Rank	Variety	Source	Grain Yield (bu/ac)		
			2008	2-Year <sup>†</sup>	3-Year <sup>‡</sup>
1	AP06T3832*	AgriPro	58.9	-	-
2	TAM 304	TAMU	55.9	50.5	-
3	Fannin	AgriPro	53.9	48.2	42.5
4	Dumas	AgriPro	53.7	48.3	41.9
5	Duster	OSU	53.7	45.8	42.3
6	Fuller	KSU	52.8	48.0	44.3
7	AP05T2415*	AgriPro	52.1	-	-
8	TAM 401 (TX03M1096)	TAMU	52.0	50.5	-
9	Shocker	Westbred	51.2	47.2	-
10	AP05T2413*	AgriPro	51.0	-	-
11	TAM 203	TAMU	50.6	47.9	-
12	Blend 1	2145, Coronado, Fannin	50.4	-	-
13	Jackpot (AP04T8211)	AgriPro	50.4	51.1	-
14	Doans	AgriPro	50.1	48.5	43.5
15	Blend 3	TAM 111, Coronado, Fannin	48.7	-	-
16	Art	AgriPro	48.1	-	-
17	Coronado	AgriPro	48.1	45.9	41.3
18	AP05TW2821*	AgriPro	47.3	-	-
19	TX03A0148*	TAMU	47.0	-	-
20	Santa Fe	Westbred	46.8	40.2	36.7
21	AP05T2126*	AgriPro	46.7	-	-
22	Sturdy 2K	TAMU	46.4	42.5	38.1
23	TX03A0563*	TAMU	43.9	-	-
24	TX02A0252*	TAMU	43.0	-	-
25	Blend 2	Fannin, Cutter, Sturdy 2K	41.9	-	-
26	Deliver	OSU	41.3	40.3	38.0
27	Ogallala	AgriPro	39.2	-	-
28	Longhorn	AgriPro	38.9	30.3	28.0
29	Overley	KSU	38.5	38.9	34.8
30	Endurance	OSU	35.3	35.4	33.1
31	TAM 101	TAMU	35.2	26.4	-
32	Winmaster	Abilene AG	35.2	-	-
33	TAM 111	TAMU	35.2	31.1	29.5
34	TAM 112	TAMU	34.9	39.3	38.0
35	Bullet	OSU	33.8	36.6	-
36	OK Rising (OK00611W)	OSU	32.0	-	-
37	Jagger	KSU	28.0	27.7	25.1
38	TAM 110	TAMU	27.4	25.3	23.3
39	Jagalene	AgriPro	26.9	23.3	20.6
40	Cutter	AgriPro	24.5	19.3	19.2

**Mean 44.7 41.1 36.3**

**CV (%) 8.8**

**LSD (5%) 6.3**

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2008 and 2007

<sup>‡</sup> yield average for 2008, 2007, and 2006

*Test weights were not available at time of publication.*

## Uniform Wheat Variety Trial - McGregor, 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	AP06T3832*	AgriPro	70.4	-	-	57.7
2	TAM 112	TAMU	69.9	63.8	56.3	59.9
3	Jackpot (AP04T8211)	AgriPro	69.1	-	-	58.8
4	Art	AgriPro	68.1	-	-	59.1
5	Overley	KSU	64.4	55.4	53.2	59.4
6	Fuller	KSU	63.0	60.6	-	59.5
7	Duster	OSU	62.9	-	-	60.2
8	TAM 401 (TX03M1096)	TAMU	62.9	-	-	59.3
9	Shocker	Westbred	62.2	-	-	59.3
10	TAM 304	TAMU	61.7	53.0	55.1	58.3
11	Santa Fe	Westbred	61.4	54.5	-	58.4
12	Blend 1	2145, Coronado, Fannin	61.2	55.7	-	60.6
13	AP05TW2821*	AgriPro	60.3	-	-	57.8
14	TAM 110	TAMU	59.2	46.1	42.5	58.5
15	AP05T2413*	AgriPro	58.8	-	-	58.5
16	Fannin	AgriPro	58.6	59.5	57.4	61.6
17	Blend 3	TAM 111, Coronado, Fannin	58.4	52.4	-	60.6
18	TAM 203	TAMU	57.1	54.0	-	57.4
19	OK Rising (OK00611W)	OSU	56.9	-	-	57.5
20	Dumas	AgriPro	56.0	50.8	45.0	60.1
21	Deliver	OSU	55.6	53.7	50.4	59.6
22	Doans	AgriPro	55.3	47.5	44.1	60.2
23	TX03A0148*	TAMU	54.9	-	-	57.2
24	Endurance	OSU	54.0	47.4	46.0	59.5
25	Coronado	AgriPro	53.9	49.6	46.0	59.7
26	TAM 111	TAMU	53.6	45.1	46.4	60.0
27	Blend 2	Fannin, Cutter, Sturdy 2K	53.0	45.6	-	59.8
28	Bullet	OSU	52.6	51.5	-	60.1
29	Sturdy 2K	TAMU	51.1	46.8	46.3	59.0
30	TX02A0252*	TAMU	49.6	-	-	60.4
31	Jagger	KSU	49.4	37.4	35.0	58.2
32	Cutter	AgriPro	47.5	38.7	36.0	58.1
33	Jagalene	AgriPro	45.2	32.8	33.8	59.4
34	Longhorn	AgriPro	44.9	36.6	33.5	60.0
35	TAM W-101	TAMU	43.1	34.4	34.3	59.4
36	TX03A0563*	TAMU	42.9	-	-	60.3
37	Ogallala	AgriPro	42.8	36.6	39.4	61.0
38	Winmaster	Abilene Ag	41.1	-	-	60.9

	<b>Mean</b>	<b>56.8</b>	<b>48.4</b>	<b>44.5</b>	<b>59.3</b>
	<b>CV (%)</b>	<b>9.7</b>			
	<b>LSD (5%)</b>	<b>8.9</b>			
* Experimental wheat breeding line					
† yield average for 2008 and 2006					
‡ yield average for 2008, 2006, and 2005					

## Uniform Wheat Variety Trial - Prosper, 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	Fuller	KSU	64.8	77.6	-	60.0
2	Jackpot (AP04T8211)	AgriPro	64.4	68.3	-	58.6
3	TAM 112	TAMU	64.0	65.1	57.5	60.8
4	Duster	OSU	63.5	65.4	-	59.9
5	Shocker	Westbred	63.1	66.2	-	57.6
6	Endurance	OSU	61.8	64.9	65.5	59.0
7	AP05T2413*	AgriPro	61.3	-	-	57.6
8	AP06T3832*	AgriPro	60.8	-	-	56.7
9	TAM 401 (TX03M1096)	TAMU	60.3	65.0	-	57.0
10	AP05TW2821*	AgriPro	59.3	-	-	57.7
11	Art	AgriPro	58.9	-	-	58.9
12	TAM 304	TAMU	58.5	65.1	65.1	57.7
13	Sturdy 2K	TAMU	57.4	59.2	60.3	58.9
14	TX03A0148*	TAMU	56.0	-	-	55.5
15	Overley	KSU	55.4	65.4	62.5	59.1
16	Santa Fe	Westbred	55.1	61.7	-	57.1
17	Blend 1	2145, Coronado, Fannin	54.9	61.3	-	59.8
18	Doans	AgriPro	54.2	65.2	70.1	60.7
19	TAM 203	TAMU	54.2	54.8	-	57.5
20	Fannin	AgriPro	53.6	61.1	63.8	58.7
21	OK Rising (OK00611W)	OSU	52.1	-	-	57.0
22	Deliver	OSU	51.6	56.6	59.4	59.9
23	TX03A0563*	TAMU	51.3	-	-	56.5
24	Dumas	AgriPro	50.8	61.9	55.3	59.0
25	Blend 2	Fannin, Cutter, Sturdy 2K	50.6	58.2	-	58.2
26	TAM 111	TAMU	49.3	55.8	57.8	57.0
27	Blend 3	TAM 111, Coronado, Fannin	47.1	57.1	-	57.9
28	Cutter	AgriPro	44.4	53.0	54.9	57.2
29	Bullet	OSU	44.1	52.0	-	55.9
30	Coronado	AgriPro	43.3	54.1	55.8	58.9
31	TAM 110	TAMU	43.0	55.8	51.9	55.9
32	Longhorn	AgriPro	42.7	46.0	46.9	56.3
33	Jagger	KSU	40.6	47.0	49.0	55.7
34	Jagalene	AgriPro	40.1	48.0	49.4	57.6
35	Ogallala	AgriPro	39.8	44.6	49.3	55.5
36	TX02A0252*	TAMU	37.6	-	-	58.0
37	TAM W-101	TAMU	35.3	40.6	44.1	54.4
38	Winmaster	Abilene Ag	35.2	41.9	-	55.9

**Mean 52.3 58.0 56.6 57.8**

**CV (%) 11.0**

**LSD (5%) 9.3**

\* Experimental wheat breeding line

† yield average for 2008 and 2007

‡ yield average for 2008, 2007, and 2005

## Uniform Wheat Variety Trial - Ellis Co., Soft 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	USG 3209	UniSouth Genetics	73.6	76.2	67.5	56.0
2	USG 3555	UniSouth Genetics	71.3	-	-	56.7
3	LA 841	Terrall Seed	70.1	-	-	56.8
4	LA 482	Terrall Seed	67.4	-	-	57.0
5	TX4A35*	TAMU	66.5	-	-	55.6
6	HBK 3266	Hornbeck	66.3	69.7	65.0	58.1
7	TVX 85771*	Terrall Seed	65.9	-	-	57.4
8	GA 981622-5E35*	UGA	64.8	-	-	56.5
9	Fannin**	Agri-Pro	64.5	69.5	62.8	59.7
10	Coker 9700	Agri-Pro	63.3	-	-	57.5
11	AGS 2020*	AgSouth Genetics	62.8	-	-	56.2
12	Coker 9553	Agri-Pro	62.2	63.9	58.2	57.9
13	TAM 304**	TAMU	59.9	-	-	54.0
14	TV 8558	Terrall Seed	59.4	73.9	63.2	54.0
15	AGS 2010*	AgSouth Genetics	57.9	66.9	-	57.3
16	TVX 85089*	Terrall Seed	54.6	-	-	52.4
17	Pioneer P25R47	Pioneer	52.2	63.3	57.9	50.5
18	D03*9804*	Agri-Pro	50.5	-	-	53.1
19	TAM 203**	TAMU	49.9	-	-	56.9
20	Crawford	Agri-Pro	49.3	61.0	56.2	55.6
21	Magnolia	Agri-Pro	47.2	59.0	-	53.5
22	Coker 9663	Agri-Pro	46.5	61.7	56.5	55.3
23	HBK 3128	Hornbeck	45.4	-	-	53.9
24	USG 3592	UniSouth Genetics	40.4	-	-	52.9
25	USG 3860	UniSouth Genetics	40.4	-	-	46.6
26	Pioneer P25R56	Pioneer	38.5	59.7	-	46.1
27	TVX 81170*	Terrall Seed	36.4	55.4	-	46.8
28	Heavy Grazer 7306	East Texas Seed	34.5	-	-	50.5
29	D04-5012*	Agri-Pro	34.4	-	-	52.1
30	Mason	Agri-Pro	31.2	50.8	47.5	51.8

**Mean 54.2 63.9 59.4 54.3**

**CV (%) 11.1**

**LSD (5%) 9.9**

\*Experimental Lines

\*\*Hard wheat varieties

<sup>†</sup> yield average for 2008 and 2007

<sup>‡</sup> yield average for 2006, 2007, and 2008

### Uniform Wheat Variety Trial - Greenville, Soft Wheat 2008

2008			Grain Yield (bu/ac)	Test Weight (lb/bu)
Rank	Variety	Source	2008	2008
	Coker 9553	Agri-Pro	71.5	59.3
	D03*9804*	Agri-Pro	65.4	57.4
	D04-5012*	Agri-Pro	65.5	57.2
	Fannin**	Agri-Pro	65.9	60.9
	GA981622-5E35*	UGA	77.7	59.2
	HBK 3128	Hornbeck	67.4	57.3
	HBK 3266	Hornbeck	61.8	59.2
	LA 841	Terrall Seed	71.2	57.2
	Magnolia	Agri-Pro	72.5	57.9
	Pioneer 25R47	Pioneer	76.9	56.4
	Pioneer 25R56	Pioneer	68.5	54.6
	TAM 203**	TAMU	80.9	58.3
	TAM 304**	TAMU	71.7	57.7
	TV 8558	Terrall Seed	67.4	57.2
	TVX 81170*	Terrall Seed	69.1	54.1
	TVX 85089*	Terrall Seed	72.1	55.8
	USG 3860	UniSouth Genetics	62.3	53.6
<b>Mean</b>			<b>69.9</b>	<b>57.3</b>

\*Experimental Lines

\*\*Hard wheat varieties

### Uniform Wheat Variety Trial - Hillsboro, Soft Wheat 2008 (AgriPro)

2008 Rank	Variety	Source	Grain Yield
			(bu/ac) 2008
1	USG 3209	UniSouth Genetics	66.8
2	Pioneer 25R47	Pioneer	64.9
3	GA981622-5E35*	UGA	64.4
4	TX4A35*	TAMU	62.4
5	LA841	Terrall Seed	62.4
6	TVX 85089*	Terrall Seed	61.7
7	Coker 9700	Agri-Pro	61.1
8	TAM 304**	TAMU	60.9
9	LA 482	Terrall Seed	60.7
10	TVX 85771*	Terrall Seed	60.4
11	Crawford	Agri-Pro	60.3
12	USG 3555	UniSouth Genetics	59.7
13	Magnolia	Agri-Pro	58.5
14	TV 8558	Terrall Seed	56.5
15	HBK 3266	Hornbeck	56.0
16	AGS 2020*	AgSouth Genetics	55.7
17	Coker 9553	Agri-Pro	55.2
18	HBK 3128	Hornbeck	55.0
19	AGS 2010*	AgSouth Genetics	54.8
20	USG 3592	UniSouth Genetics	54.5
21	Pioneer 25R56	Pioneer	53.6
22	Fannin**	Agri-Pro	53.4
23	TVX 81170*	Terrall Seed	52.3
24	Coker 9663	Agri-Pro	51.9
25	TAM 203**	TAMU	51.2
26	USG 3860	UniSouth Genetics	49.1
27	HG 7306	Agri-Pro	47.1
28	D03*9804*	Agri-Pro	45.9
29	Mason	Agri-Pro	45.6
30	D04-5012*	Agri-Pro	35.2
<b>Mean</b>			<b>55.9</b>

\*Experimental Lines

\*\*Hard wheat varieties

*Test weights were not available at the time of publication.*



## Uniform Wheat Variety Trial - McGregor, Soft Wheat 2008

2008 Rank	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)	
			2008	2-Year <sup>†</sup>	2008	
1	TV 8558	Terrall Seed	78.5	63.5	57.9	
2	USG 3209	UniSouth Genetics	77.8	67.1	58.6	
3	GA 981622-5E35*	UGA	75.6	-	58.6	
4	TVX 85089*	Terrall Seed	73.3	-	56.7	
5	LA 482	Terrall Seed	72.3	-	57.7	
6	Coker 9553	Agri-Pro	71.9	-	60.1	
7	AGS 2020*	AgSouth Genetics	71.5	-	58.8	
8	HBK 3266	Hornbeck	69.8	64.5	59.1	
9	LA 841	Terrall Seed	69.7	60.8	57.2	
10	TVX 85771*	Terrall Seed	69.4	-	57.1	
11	Magnolia	Agri-Pro	67.3	-	57.9	
12	TAM 304**	TAMU	66.7	-	57.7	
13	USG 3555	UniSouth Genetics	65.9	-	58.0	
14	TVX 81170*	Terrall Seed	65.6	-	55.3	
15	HBK 3128	Hornbeck	63.9	-	56.3	
16	Pioneer P25R56	Pioneer	63.5	-	57.4	
17	D03*9804*	Agri-Pro	63.4	58.9	58.2	
18	Pioneer P25R47	Pioneer	63.0	58.5	56.4	
19	USG 3592	UniSouth Genetics	62.1	-	58.6	
20	Coker 9700	Agri-Pro	61.0	-	60.4	
21	TAM 203**	TAMU	61.0	-	56.8	
22	Fannin**	Agri-Pro	60.6	-	60.6	
23	AGS 2010*	AgSouth Genetics	59.2	-	59.7	
24	USG 3860	UniSouth Genetics	57.3	-	54.5	
25	TX4A35*	TAMU	56.8	-	59.2	
26	D04-5012*	Agri-Pro	55.5	-	57.4	
27	Mason	Agri-Pro	55.3	52.4	57.6	
28	Coker 9663	Agri-Pro	53.4	56.8	57.3	
29	Heavy Grazer 7306	East Texas Seed	49.8	-	56.0	
30	Crawford	Agri-Pro	48.2	47.0	58.1	
			<b>Mean</b>	<b>64.3</b>	<b>58.8</b>	<b>57.8</b>
			<b>CV (%)</b>	<b>9.2</b>		
			<b>LSD (5%)</b>	<b>9.7</b>		

\*Experimental Lines

\*\*Hard wheat varieties

<sup>†</sup> yield average for 2008 and 2006

## Uniform Wheat Variety Trial - Prosper, Soft 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	LA 482	Terrall Seed	61.0	-	-	56.8
2	TAM 304**	TAMU	56.9	-	-	57.1
3	TVX 85771*	Terrall Seed	55.9	-	-	56.9
4	GA 981622-5E35*	UGA	55.1	-	-	56.0
5	Coker 9700	Agri-Pro	54.2	-	-	57.7
6	USG 3555	UniSouth Genetics	53.3	-	-	55.4
7	Pioneer P25R56	Pioneer	52.4	66.6	-	54.8
8	TV 8558	Terrall Seed	50.9	69.7	-	55.8
9	TVX 85089*	Terrall Seed	50.0	-	-	53.4
10	AGS 2020*	AgSouth Genetics	49.7	-	-	56.1
11	D03*9804*	Agri-Pro	49.5	-	-	56.1
12	Mason	Agri-Pro	47.2	58.8	59.6	54.6
13	TX4A35*	TAMU	45.9	-	-	54.9
14	USG 3209	UniSouth Genetics	45.0	61.9	64.6	55.5
15	TAM 203**	TAMU	43.4	-	-	55.7
16	HBK 3128	Hornbeck	42.7	-	-	54.3
17	Coker 9663	Agri-Pro	41.0	59.0	-	56.4
18	Coker 9553	Agri-Pro	40.7	53.2	59.8	57.4
19	Magnolia	Agri-Pro	40.6	55.7	-	55.2
20	D04-5012*	Agri-Pro	40.6	-	-	54.1
21	HBK 3266	Hornbeck	39.8	56.5	-	54.7
22	Pioneer P25R47	Pioneer	39.1	56.8	62.9	54.4
23	TVX 81170*	Terrall Seed	39.0	56.7	-	50.5
24	USG 3860	UniSouth Genetics	38.9	-	-	52.1
25	LA 841	Terrall Seed	38.1	-	-	53.6
26	Crawford	Agri-Pro	37.5	55.2	61.1	55.1
27	Fannin**	Agri-Pro	36.6	55.5	60.0	57.2
28	AGS 2010*	AgSouth Genetics	36.5	56.2	-	57.1
29	USG 3592	UniSouth Genetics	36.0	-	-	55.4
30	Heavy Grazer 7306	East Texas Seed	36.0	-	-	52.8

<b>Mean</b>	<b>45.1</b>	<b>58.6</b>	<b>61.3</b>	<b>55.2</b>
<b>CV (%)</b>	<b>12.9</b>			
<b>LSD (5%)</b>	<b>9.5</b>			

\*Experimental Lines

\*\*Hard wheat varieties

<sup>†</sup> yield average for 2008 and 2007

<sup>‡</sup> yield average for 2005, 2007, and 2008

# South Texas – 2008 Uniform Wheat Variety Trials

<http://varietytesting.tamu.edu>

**Texas AgriLife Extension Service**  
Gaylon Morgan, Jerry Kidd, and Daniel Hathcoat

**Texas AgriLife Research**  
Amir Ibrahim, Jackie Rudd, Ravindra Devkota, Bryan Simoneaux and Giovanni Piccinni,

**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.

**Funding:** The State Uniform Wheat Variety Trial is supported by the Texas Wheat Producers Board, Texas AgriLife Extension Service, and Texas AgriLife Research.



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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					
† yield average for 2008 and 2007					
‡ 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

# South Texas – 2008 Uniform Spring Wheat Variety Trials

<http://varietytesting.tamu.edu>

**Texas AgriLife Extension Service**  
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**Texas AgriLife Research**  
Amir Ibrahim, Jackie Rudd, Ravindra Devkota, and Bryan Simoneaux

**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 Spring Wheat Variety Trial (USWVT) is coordinated and implemented by numerous Texas AgriLife Extension and Research faculty and staff from College Station. Below is a table describing the predominant issues that affected the 2007-08 spring wheat crop at Castroville.

Location	Issues
Castroville (Irrigated)	Moderate leaf rust pressure; planted on December 17, 2007; seeding rate of 60 lbs/a.

**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.

**Funding:** The State Uniform Wheat Variety Trial is supported by the Texas Wheat Producers Board, Texas AgriLife Extension Service, and Texas AgriLife Research.



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## Uniform Spring Wheat Variety Trial - Castroville 2008

2008 Rank	Variety	Grain Yield	Test Weight	Leaf Rust	PDM
		(bu/ac)	(lb/bu)	% Rating <sup>†</sup>	Rating <sup>††</sup>
		2008	2008	2008	2008
1	TAM 401**	66.9	57.6	R	1
2	Alsen//B1021/Norm*	64.6	60.4	R	4
3	ORL99169HR2*	63.3	59.9	R	0
4	ORL95477/Knudson*	59.6	58.8	R	0
5	PGranar/Norm-11*	58.4	59.6	R	0
6	Samson	57.9	59.3	10S	2
7	TX99U8544*	57.5	59.3	R	4
8	MN00921-4*	57.3	61.3	10S	3
9	TAM203**	57.2	59.6	R	3
10	Verde	57.0	60.1	10MS	0
11	MN00261-4*	56.6	61.3	20MS	3
12	Kuntz	54.9	59.8	5MS	0
13	TAM304**	54.9	56.5	R	2
14	Norm-11	54.6	58.6	R	2
15	Blade	53.7	61.4	R	2
16	Howard	53.1	60.4	R	3
17	Granite	53.0	61.8	40S	0
18	Faller	52.6	59.5	5MS	0
19	Ranquel	52.2	60.7	R	1
20	Verde/PReal*	52.1	60.0	10MS	1
21	Freyr	51.2	60.0	10S	0
22	Klein Proteo	50.2	60.5	R	4
23	Ada	49.9	60.9	R	3
24	Knudson	49.9	59.9	R	3
25	Klein Castor	49.2	60.9	5MS	3
26	Briggs	49.2	59.8	R	1
27	Traverse	49.1	57.8	10S	0
28	ORL95477/Knudson*	48.0	59.8	R	0
29	B240352*	47.7	60.1	R	3
30	Banton	47.5	61.3	5MR	0
31	HatTrick	46.5	60.7	5S	0
32	TX03M1179*	45.9	58.5	R	1
33	RB07*	42.9	60.2	R	0
34	MN03358-4*	41.7	59.8	10MS	3
35	Glenn	40.1	62.2	R	0
36	Caudillo	39.8	60.2	R	3
37	Trooper	36.8	61.5	15S	3
38	SD3851*	32.9	61.1	R	0
39	Rush	30.7	60.0	30S	0
40	Kelby	28.7	60.3	10MS	3

	<b>Mean</b>	<b>50.4</b>	<b>60</b>	-	-
*Experimental wheat lines	<b>CV (%)</b>	<b>10.7</b>	<b>0.9</b>	-	-
**Hard winter wheat varieties	<b>LSD (5%)</b>	<b>8.9</b>	<b>0.8</b>	-	-

<sup>†</sup>R - Resistant, MR - Moderately Resistant, MS - Moderately Susceptible, and S - Susceptible

<sup>††</sup>Powdery Mildew (PDM) Rating: 0 is Resistant and 5 is Susceptible.