

2009

# 2009 Texas Wheat Variety Results



Department of Soil and Crop Sciences

*AgriLIFE* EXTENSION  
Texas A&M System

*AgriLIFE* RESEARCH  
Texas A&M System

# 2009

## Texas Wheat Variety Trials

<http://varietytesting.tamu.edu>

### Texas AgriLife Extension Service

Gaylon Morgan, Brent Bean, Calvin Trostle,  
Todd Baughman, Curtis Jones, James Swart  
and Daniel Hathcoat

### Texas AgriLife Research

Jackie Rudd, Amir Ibrahim, Ravindra Devkota, Russell  
Sutton, Jason Baker, Bryan Simoneaux and Jonny Simmons

### AgriPro Wheat

David Worrall, Rob Borchardt and Michael Schoppa

# Table of Contents

Introduction.....	1
Texas Wheat Region Map.....	3
2009 Texas Wheat Region Overview.....	4
Blacklands Location Details and Issues.....	5
Hillsboro Hard Wheat Results (AgriPro).....	6
McGregor Hard Wheat Results .....	7
Leonard Soft vs. Hard Wheat Results.....	8
Hillsboro Soft Wheat Results (AgriPro).....	9
Leonard Soft Wheat Results.....	10
McGregor Soft Wheat Results.....	11
Royse City Soft Wheat Results.....	12
High Plains Location Details and Issues.....	13
Bushland Dryland Results.....	14
Bushland Irrigated Results.....	15
Claude Results.....	16
Dalhart Results.....	17
Etter Dryland Results.....	18
Etter Irrigated Results.....	19

## Table of Contents continued...

### High Plains locations continued:

Perryton Dryland Results (AgriPro).....	20
Perryton Irrigated Results (AgriPro).....	21
Sherman County Results.....	22
Rolling Plains Location Details and Issues.....	23
Wichita County Results (AgriPro).....	24
South Texas Location Details and Issues.....	25
Brady Results.....	26
College Station Results.....	27
Castroville Winter Results.....	28
Castroville Spring Results.....	29

# Introduction

During the 2008-09 wheat season, Texas producers planted 6.1 million acres in wheat according to the National Agricultural Statistics Service. Preliminary data from a survey conducted by the Texas AgriLife Extension Service, shows that 56% was grown for grain only and roughly 16% was grown for forage only. The remainder was grown for both grain and forage.

The Uniform Wheat Variety Trial (UWVT), presented in the following pages, is coordinated and implemented by numerous Texas AgriLife Extension and Research faculty and staff from Amarillo, Bushland, Lubbock, Vernon, Commerce, and College Station. We also appreciate the cooperation from numerous County Extension Agents and producers that aid us with locations and property to conduct these field trials. The purpose of this publication is to provide unbiased yield and disease data for wheat producers across the state. With this information, Texas wheat producers can make a more educated decision about the most appropriate varieties for their geographic region.

## **Variety Selection:**

Selecting the proper small grain varieties is one of the most important decisions a producer will make. This decision impacts the potential yield (forage and grain), seed quality (test weight and protein), disease and insect management, and maturity. It is important that producers diversify the varieties to be planted on their farms. Variety diversification spreads the risk associated with potentially devastating pests (rusts, Hessian fly, leaf curl mite, greenbugs, etc.) and yield loss from adverse environmental factors (freeze, drought, hail, etc.).

Producers should select no fewer than 2 varieties to plant on their farms and preferably more. Variety selection should be based on a combination of sound data from university trials, county agent strip trials, and other reliable sources. Wheat varieties should be chosen based on multiple years of data (yield, pest package, test weight, and maturity). High yields over multiple years and multiple locations equates to a variety's ability to perform well over diverse environmental factors. Stable yield performance is the best variety selection tool. One thing to be mindful of is decreasing yields over a 2 or 3 year time frame, which may reflect a change in disease and/or insect resistance.

When selecting a variety for 2009-10 season, producers need to consider the 2008-09 season and recognize the numerous abnormalities that occurred in the weather. For this reason, the 2008-09 results for the **Texas Blacklands** and **Rolling Plains** should **not** be heavily emphasized when selecting wheat varieties for the 2009-10 season. It is strongly encouraged that producers look at the 2 and 3 year averages for the varieties and to look at numerous relevant variety trial locations. There are typically 20+ wheat variety trials conducted across the state each year.

## Interpreting the Data:

Each location has been statistically analyzed using the recommended procedures. The statistical analysis provides the mean, percent coefficient of variation (CV), and LSD values. Without considering these statistics, you may be mis-interpreting the yield data.

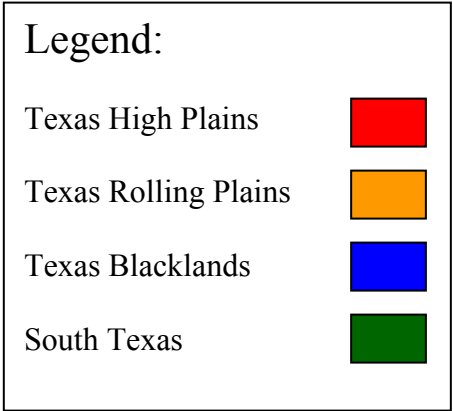
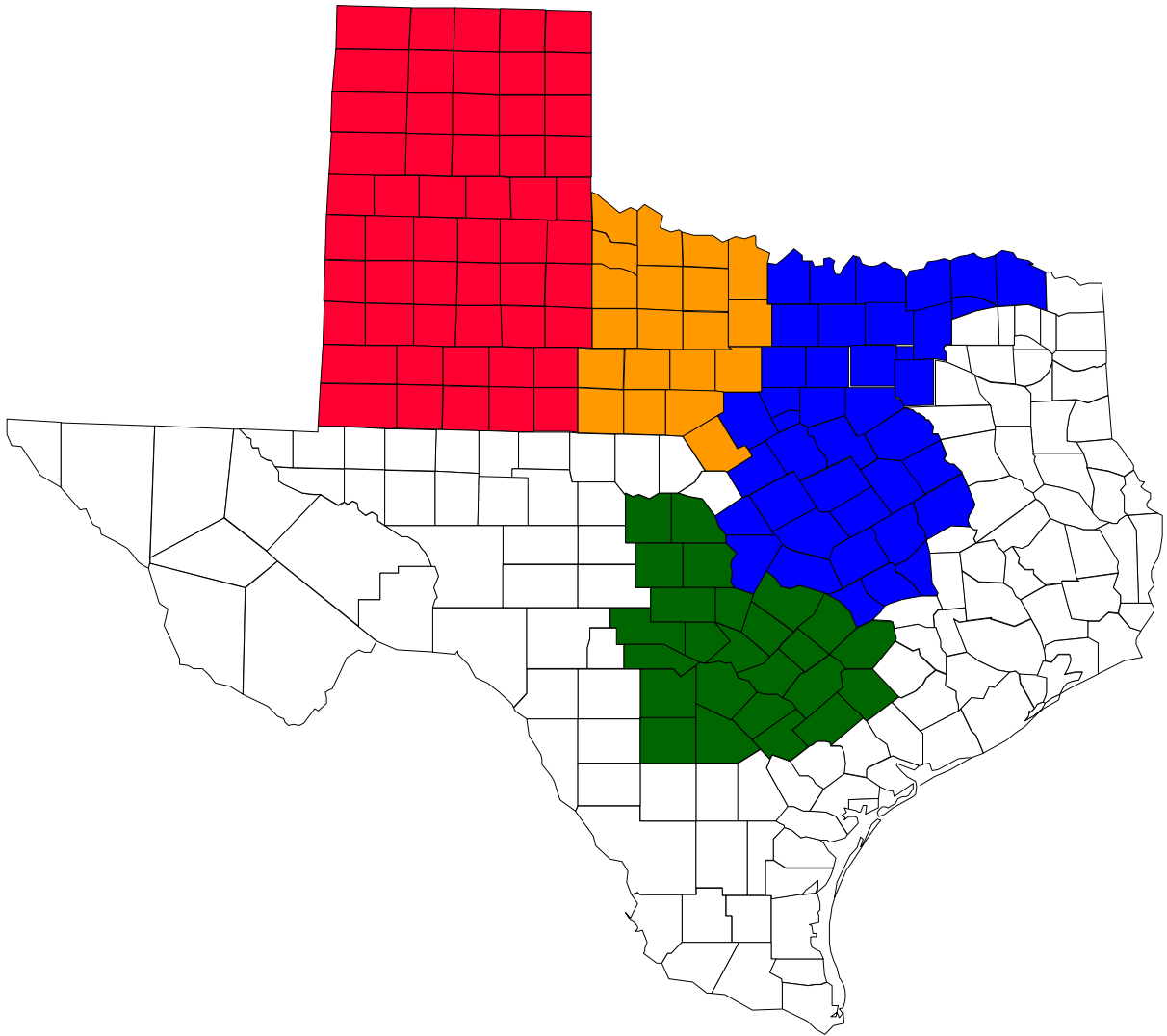
The mean is another term for the average. So, the mean value is the average of all the variety yields within the trial. The percent CV value indicates the level of unexplained variability present within the trial. A high CV value indicates a lot of variability existed within the trial. This variability may be the result of non-uniform stands, non-uniform insect or disease pressure, variability in harvesting, or other issues. When CV values exceed 15% the validity of the data becomes questionable and the usefulness decreases. The LSD value indicates if the varieties performed differently from one another within the trial. If the LSD value is 5 bu/a and the Variety A yield 36 bu/a and Variety B yielded 30 bu/a, then Variety A is significantly better. The LSD value at a 0.05 (or 5%) level indicates that Variety A would yield better than Variety B in 19 out of 20 trials conducted under the same conditions.



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

Educational programs conducted by Texas AgriLife Extension Service, Texas AgriLife Research, or Texas A&M University are open to people without regard to race, color, sex, disability, religion, age, or national origin.

# Texas Wheat Regions Map



# 2009 Texas Wheat Region Overview

## **Texas Blacklands:**

The Texas Blacklands, especially the Southern Blacklands, was impacted by extreme drought from November 2008 to March 2009. Temperatures dropped below 32°F on both March 26 and April 6, 2009. The northern parts of the Texas Blacklands were the hardest hit. Most of our locations in Ellis, Hunt, and Red River counties were not harvested, while the location in McLennan county did not have much freeze damage and yields were minimally affected.

## **Texas High Plains:**

The Texas High Plains experienced drought in the fall and through most of the winter and early spring, which resulted in many dryland fields being plowed up. Even irrigated wheat suffered due to a lack of fall and winter precipitation. The late freeze in April had an impact on the final wheat crop along with insect pressure from Russian wheat aphid earlier in the spring. This year, diseases were problematic in isolated areas, but no widespread problems were observed in the High Plains.

## **Texas Rolling Plains:**

The Texas Rolling Plains suffered an extreme drought from November 2008 until March 2009. The variety trials struggled to make a decent stand, and then a freeze that occurred on both March 26 and April 6, 2009 further reduced their yield potential. Many of the locations that are shown below from the Rolling Plains could not be harvested. Every location had some degree of freeze injury, but some locations were worse than others.

## **South Texas:**

The South Texas locations experienced an abnormally dry winter which led to reduced stand establishment and therefore lower than expected yields. These locations were not as affected by the freeze that swept across the central portion of the state. The variety trial at Castroville was the only irrigated location in this region of Texas, therefore the drought did not have as much of an impact as the other locations.



# Texas Blackland Location Details and Issues

Location <sup>1</sup>	Yield Limiting Issues	Planting Date	Fertilizer (Total) (lbN/a)	Row Spacing inch	Pesticide Applied	Date Appl.
Clarksville <sup>2</sup>	Not Harvested - Severe Drought and Freeze	10/12/08	80	7	Amber (0.56 oz/a)	2/7/09
Ellis County <sup>2</sup>	Not Harvested - Severe Drought and Freeze	10/14/08	184	7	Amber (0.56 oz/a)	2/5/09
Hillsboro (AgriPro)	BYDV <sup>3</sup> , Greenbugs Early, No Freeze Damage	11/19/08	Producer Applied	7.5	Producer Applied	-
Hunt County <sup>2</sup>	Not Harvested - Severe Drought and Freeze	10/15/09	95	7	Amber (0.56 oz/a)	2/5/09
Leonard	Some Freeze Damage	10/29/08	184	6	Lorsban 4E (16 oz/a) Axial XL (20 oz/a) + Amber (0.56 oz/a)	2/3/09  1/14/09
McGregor <sup>2</sup>	Timely Rains Little Freeze Injury	11/5/08	115	6	Weedmaster (1 pt/a)+ Finesse (0.4 oz/a)  Dimethoiate (2 pt/a)	1/30/09  2/11/09
Royse City	Good Year	10/23/08	184	6	Axial XL (20 oz/a) + Amber (0.56 oz/a)	1/14/09

<sup>1</sup>All locations were planted into conventionally tilled soil and were grown under dryland conditions.

<sup>2</sup>These locations were planted with a seeding rate of 78 lb/a, the rest were planted at 90 lb/a.

<sup>3</sup>Barley Yellow Dwarf Virus

## Uniform Wheat Variety Trial - Hillsboro, Hard Wheat 2009 (AgriPro)

2009 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2009	2-Year †	3-Year ‡	2009
1	OK05526*	OSU	43.5	-	-	59.3
2	Art	AgriPro	43.1	45.6	-	58.3
3	Shocker	WestBred	41.8	46.5	45.4	58.7
4	TX01V5134RC-3*	TAMU	41.4	-	-	60.9
5	OK03522*	OSU	41.2	-	-	60.3
6	Duster	OSU	40.1	46.9	43.9	58.5
7	Fannin	AgriPro	39.8	46.8	45.4	58.6
8	AP06TW4822*	AgriPro	38.2	-	-	57.6
9	AP06T3519*	AgriPro	38.0	-	-	56.3
10	Jackpot	AgriPro	36.1	43.2	46.1	56.7
11	AP06T3832*	AgriPro	35.7	47.3	-	55.9
12	AP06TA4520*	AgriPro	35.5	-	-	56.9
13	OK04525*	OSU	35.3	-	-	59.9
14	Sturdy 2K	TAMU	34.7	40.5	39.9	57.9
15	TAM 304	TAMU	34.5	45.2	45.1	52.8
16	TAM 401	TAMU	33.8	42.9	44.9	54.9
17	TAM 203	TAMU	33.5	42.1	43.1	56.5
18	NK 812	Northrup King	32.7	-	-	58.5
19	Dumas	AgriPro	32.1	42.9	42.9	59.5
20	Doans	AgriPro	31.9	41.0	43.0	58.6
21	Santa Fe	WestBred	31.3	39.0	37.2	55.0
22	OK04111*	OSU	31.2	-	-	58.6
23	Fuller	KSU	31.1	41.9	42.4	55.7
24	TX04V075080*	TAMU	30.6	-	-	56.9
25	Coronado	AgriPro	29.7	38.9	40.5	55.3
26	2145	KSU	29.3	-	-	55.6
27	TAM 112	TAMU	28.8	31.8	35.8	56.0
28	TX03A0148*	TAMU	27.8	37.4	-	49.4
29	Deliver	OSU	26.7	34.0	35.8	53.8
30	Jagger	KSU	26.1	27.1	27.2	50.6
31	OK03305*	OSU	26.0	-	-	51.8
32	Overly	KSU	23.2	30.9	33.7	45.9
33	TAM 111	TAMU	23.1	29.1	28.4	47.3
34	TX02A0252*	TAMU	21.5	32.2	-	44.1
35	TAM W-101	TAMU	19.4	27.3	24.1	41.3
36	Bullet	OSU	19.3	26.6	30.8	40.5
37	Jagalene	AgriPro	18.1	22.5	21.5	37.2
38	Endurance	OSU	17.6	26.4	29.4	37.0

**Mean 31.7 37.5 37.6 53.9**

\* Experimental wheat breeding line

**CV (%) 9.1**

† yield average for 2009 and 2008

**LSD (5%) 4.7**

‡ yield average for 2009, 2008, and 2007

## Uniform Wheat Variety Trial - McGregor, Hard Wheat 2009

2009 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2009	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2009
1	Duster	OSU	94.8	78.9	68.0	60.8
2	OK05526*	OSU	92.9	-	-	61.0
3	AP06T3832*	AgriPro	91.0	80.7	-	56.0
4	OK03522*	OSU	86.7	-	-	62.0
5	TX03A0148*	TAMU	86.5	70.7	-	57.1
6	Deliver	OSU	86.0	70.8	64.5	60.3
7	TAM 203	TAMU	82.5	69.8	63.5	57.8
8	Jackpot	AgriPro	79.7	74.4	-	57.4
9	Fuller	KSU	79.4	71.2	66.9	59.7
10	TX01V5134RC-3*	TAMU	78.2	78.2	-	59.1
11	TAM 304	TAMU	77.2	69.4	61.1	56.4
12	Shocker	WestBred	76.2	69.2	69.2	59.2
13	AP06TW4822*	AgriPro	76.0	-	-	57.4
14	Dumas	AgriPro	75.3	65.7	59.0	58.5
15	OK03305*	OSU	75.0	-	-	61.4
16	Endurance	OSU	75.0	64.5	56.6	56.7
17	TAM 112	TAMU	74.9	72.4	67.5	58.2
18	Art	AgriPro	74.4	62.7	-	56.2
19	AP06T3519*	AgriPro	74.2	-	-	57.5
20	OK04525*	OSU	72.4	-	-	59.8
21	TX02A0252*	TAMU	72.1	60.8	-	58.8
22	Doans	AgriPro	71.8	63.6	55.6	58.5
23	TAM 401	TAMU	71.6	67.3	-	58.7
24	Sturdy 2K	TAMU	70.7	60.9	54.8	56.4
25	TX04V075080*	TAMU	70.1	-	-	57.2
26	NK 812	Northrup King	70.0	-	-	57.5
27	Santa Fe	WestBred	68.3	64.8	59.1	57.0
28	Fannin	AgriPro	67.4	63.0	62.1	58.7
29	Coronado	AgriPro	65.9	59.9	55.0	58.0
30	2145	KSU	64.8	-	-	59.1
31	TAM 111	TAMU	62.0	57.8	50.7	56.6
32	AP06TA4520*	AgriPro	61.4	-	-	57.3
33	Overly	KSU	61.3	62.8	57.4	57.9
34	TAM W-101	TAMU	61.2	52.1	43.3	58.2
35	Jagger	KSU	54.9	52.1	43.2	56.3
36	OK04111*	OSU	54.4	-	-	58.7
37	Bullet	OSU	54.2	53.4	52.4	59.3
38	Jagalene	AgriPro	48.2	46.7	37.9	59.1

**Mean 72.6 65.3 57.4 58.3**

**CV (%) 11.7**

**LSD (5%) 13.8**

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2009 and 2008

<sup>‡</sup> yield average for 2009, 2008, and 2006

### Uniform Wheat Variety Trial - Leonard, SRWW vs. HRWW 2009

2009 Rank	Variety	Source	Grain Yield	Test Weight
			(bu/ac) 2009	(lb/bu) 2009
1	USG 3295	UniSouth Genetics	72.0	54.0
2	Magnolia	AgriPro	69.0	54.6
3	Coker 9553	AgriPro	67.7	55.5
4	Pioneer 25R47	Pioneer	66.0	51.1
5	Terrall LA482	Terral Seed	64.6	51.2
6	Terrall LA841	Terral Seed	63.7	50.5
7	Jackpot**	AgriPro	62.9	52.4
8	Pioneer 25R57	Pioneer	62.0	53.4
9	Fannin**	AgriPro	60.1	54.9
10	TAM 304**	TAMU	58.7	49.6
11	TAM 203**	TAMU	55.4	51.2
12	TAM 401**	TAMU	55.0	51.5
13	Doans**	AgriPro	48.4	54.9
14	Duster**	OSU	45.9	51.5
			<b>Mean</b>	<b>60.8</b>
			<b>CV (%)</b>	<b>18.8</b>
			<b>LSD (5%)</b>	<b>8.4</b>

\*Experimental Lines

\*\*Hard Wheat Varieties

## Uniform Wheat Variety Trial - Hillsboro, Soft Wheat 2009 (AgriPro)

2009 Rank	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)
			2009	2-Year †	2009
1	USG 3209	UniSouth Genetics	57.4	62.1	55.9
2	Terral LA841	Terral Seed	55.6	59.0	57.0
3	TV 8558	Terral Seed	51.8	54.2	51.4
4	Terral LA482	Terral Seed	51.0	55.8	56.4
5	GA991209-6E33*	UGA	47.3	-	58.4
6	TV 8170	Terral Seed	46.0	49.1	54.7
7	USG 3592	UniSouth Genetics	45.7	50.1	56.3
8	AGS 2060	AgSouth Genetics	44.8	-	55.4
9	GA 991336-6E9*	UGA	44.5	-	55.9
10	AGS 2020	AgSouth Genetics	43.6	49.7	59.1
11	GA991371-6E12*	UGA	43.3	-	55.0
12	USG 3295	UniSouth Genetics	43.1	-	55.7
13	AGS 2035	UGA	42.6	53.5	56.1
14	Coker 9553	Agri-Pro	42.0	48.6	57.8
15	TAM 401**	TAMU	41.0	-	52.8
16	TAM 304**	TAMU	40.7	50.8	53.7
17	D04*6441*	Agri-Pro	40.5	-	58.4
18	Crawford	Agri-Pro	40.3	50.3	56.9
19	Doans**	Agri-Pro	39.8	-	58.0
20	Pioneer 25R56	Pioneer	39.0	46.3	53.2
21	Magnolia	Agri-Pro	38.9	48.7	55.5
22	Fannin**	Agri-Pro	38.7	46.1	55.9
23	AGS 2010	AgSouth Genetics	38.2	46.5	57.7
24	TAMsoft 700	TAMU	37.9	50.1	54.9
25	TV 85089	Terral Seed	37.3	49.5	50.7
26	HBK 3266	Hornbeck	37.0	46.5	54.9
27	Coker 9700	Agri-Pro	36.7	48.9	55.1
28	HBK 3443	Hornbeck	35.3	-	54.1
29	TAM 203**	TAMU	33.9	42.6	54.3
30	Pioneer 25R47	Pioneer	33.1	49.0	52.5
31	Jackpot**	Agri-Pro	29.1	-	54.4
32	USG 3725	UniSouth Genetics	26.7	-	50.6
33	Oakes	Agri-Pro	26.3	-	51.7
34	USG 3860	UniSouth Genetics	26.0	37.5	45.3
35	Coker 9663	Agri-Pro	24.5	38.2	47.2

<b>Mean</b>	<b>40.0</b>	<b>49.3</b>	<b>54.7</b>
<b>CV (%)</b>	<b>8.3</b>		
<b>LSD (5%)</b>	<b>5.4</b>		

\*Experimental Lines

\*\*Hard wheat varieties

† yield average for 2009 and 2008

## Uniform Wheat Variety Trial - Leonard, Soft Wheat 2009

2009			Grain Yield (bu/ac)	Test Weight (lb/bu)
Rank	Variety	Source	2009	2009
1	USG 3555	UniSouth Genetics	72.9	53.0
2	USG 3295	UniSouth Genetics	71.5	53.7
3	USG 3665	UniSouth Genetics	68.9	50.5
4	Coker 9553	AgriPro	68.5	55.6
5	Oakes	AgriPro	65.2	53.7
6	Pioneer 25R47	Pioneer	65.0	50.5
7	HBK 3266	Hornbeck	64.0	52.7
8	TV8558	Terrall Seed	63.0	50.4
9	Pioneer 25R56	Pioneer	62.9	52.7
10	Terrall LA841	Terrall Seed	62.5	49.7
11	Coker 9700	AgriPro	62.4	55.4
12	D05*6441*	AgriPro	62.2	52.9
13	Terrall LA482	Terrall Seed	62.2	51.5
14	Pioneer 25R39	Pioneer	61.7	51.3
15	Magnolia	AgriPro	60.4	53.5
16	Pioneer 25R62	Pioneer	60.4	50.4
17	B040798*	AgriPro	59.9	50.8
18	Crawford	AgriPro	58.7	51.5
19	D05-6189*	AgriPro	58.2	49.6
20	Pioneer 25R57	Pioneer	58.1	52.7
21	TAMsoft 700	TAMU	57.1	49.5
22	USG 3725	UniSouth Genetics	57.0	47.7
23	TV8589	Terrall Seed	54.1	48.7
24	APCK 5E35*	AgriPro	54.0	51.1
25	TV8577	Terrall Seed	53.7	45.1
26	HBK 3443	Hornbeck	53.2	50.8
			<b>Mean</b>	<b>61.5</b>
			<b>CV (%)</b>	<b>17.8</b>
			<b>LSD (5%)</b>	<b>9.3</b>

\*Experimental Lines

## Uniform Wheat Variety Trial - McGregor, Soft Wheat 2009

2009 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2009	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2009
1	Terral LA841	Terrall Seed	104.5	87.1	75.4	57.4
2	USG 3295	UniSouth Genetics	103.3	-	-	57.7
3	GA991371-6E12*	UGA	102.2	-	-	57.3
4	AGS 2060	AgSouth Genetics	97.6	-	-	59.2
5	Coker 9700	Agri-Pro	94.9	77.9	-	60.3
6	TV 8558	Terrall Seed	93.8	86.2	73.6	56.0
7	D04*6441*	Agri-Pro	93.7	-	-	58.3
8	Dyna-Gro Baldwin	UGA	93.5	-	-	57.8
9	GA991209-6E33*	UGA	92.4	-	-	57.4
10	AGS 2035	UGA	92.3	83.9	-	57.2
11	HBK 3266	Hornbeck	91.0	80.4	73.4	58.1
12	Terral LA482	Terrall Seed	89.0	80.7	-	58.4
13	Fannin**	Agri-Pro	88.3	74.4	67.8	59.9
14	GA 991336-6E9*	UGA	88.2	-	-	58.1
15	USG 3209	UniSouth Genetics	88.1	83.0	74.1	57.0
16	AGS 2020	AgSouth Genetics	85.7	78.6	-	57.1
17	TAMsoft 700	TAMU	85.6	71.2	-	58.1
18	HBK 3443	Hornbeck	85.5	-	-	58.1
19	USG 3592	UniSouth Genetics	84.9	73.5	-	57.7
20	Pioneer 25R47	Pioneer	84.8	73.9	67.3	53.3
21	Magnolia	Agri-Pro	84.4	75.8	-	56.4
22	TAM 401**	TAMU	84.2	-	-	56.8
23	Coker 9553	Agri-Pro	84.0	78.0	72.0	59.7
24	AGS 2010	AgSouth Genetics	83.4	71.3	-	60.0
25	TV 8170	Terrall Seed	83.1	-	-	54.5
26	TAM 304**	TAMU	80.3	73.5	-	55.0
27	Jackpot**	Agri-Pro	78.7	-	-	57.2
28	TAM 203**	TAMU	76.0	68.5	-	57.9
29	Crawford	Agri-Pro	74.1	61.1	56.0	58.2
30	Pioneer 25R56	Pioneer	72.5	68.0	-	53.5
31	Oakes	Agri-Pro	69.2	-	-	57.3
32	TV 85089	Terrall Seed	69.2	-	-	52.0
33	USG 3860	UniSouth Genetics	66.3	61.8	-	50.7
34	Coker 9663	Agri-Pro	63.2	58.3	54.4	55.4
35	USG 3725	UniSouth Genetics	61.4	-	-	51.1

<b>Mean</b>	<b>84.8</b>	<b>74.6</b>	<b>68.2</b>	<b>56.9</b>
<b>CV (%)</b>	<b>12.0</b>			
<b>LSD (5%)</b>	<b>13.8</b>			

\*Experimental Lines

\*\*Hard wheat varieties

<sup>†</sup> yield average for 2009 and 2008

<sup>‡</sup> yield average for 2009, 2008, and 2006

## Uniform Wheat Variety Trial - Royse City, Soft Wheat 2009

2009 Rank	Variety	Source	Grain Yield	Test Weight
			(bu/ac)	(lb/bu)
			2009	2009
1	USG 3555	UniSouth Genetics	100.3	55.8
2	Magnolia	AgriPro	96.4	57.0
3	Terrall LA482	Terrall Seed	92.6	55.6
4	APCK 5E35*	AgriPro	91.1	57.7
5	Terrall LA841	Terrall Seed	85.3	56.4
6	Oakes	AgriPro	83.9	57.0
7	HBK 3443	Hornbeck	83.0	55.3
8	HBK 3266	Hornbeck	82.9	55.8
9	USG 3295	UniSouth Genetics	82.4	55.3
10	Pioneer 25R57	Pioneer	82.1	55.8
11	Coker 9553	AgriPro	82.0	58.0
12	Coker 9700	AgriPro	81.7	58.5
13	Pioneer 25R47	Pioneer	81.4	54.2
14	TAMsoft 700	TAMU	80.2	55.3
15	Pioneer 25R39	Pioneer	77.0	53.7
16	Crawford	AgriPro	76.7	55.7
17	USG 3665	UniSouth Genetics	76.6	52.0
18	USG 3725	UniSouth Genetics	75.2	52.6
19	D05*6441*	AgriPro	75.1	56.3
20	TV8558	Terrall Seed	75.1	52.9
21	D05-6189*	AgriPro	74.7	54.6
22	Pioneer 25R56	Pioneer	71.5	54.1
23	TV8589	Terrall Seed	71.0	51.9
24	TV8577	Terrall Seed	70.4	51.4
25	B040798*	AgriPro	70.3	54.0
26	Pioneer 25R62	Pioneer	61.6	51.5

---

	<b>Mean</b>	<b>80.0</b>	<b>54.9</b>
*Experimental Lines	<b>CV (%)</b>	<b>20.0</b>	
	<b>LSD (5%)</b>	<b>10.5</b>	



# High Plains Location Details and Issues

Location <sup>1</sup>	Yield Limiting Issues	Planting Date	Water*	Row Spacing	Seeding Rate
				inch	lb/a
<b>Bushland</b>	Drought; Greenbug; Late March freeze; Russian wheat aphid	10/23/08	D	8	50
<b>Bushland</b>	Drought; Greenbug; Late March freeze; Russian wheat aphid	10/27/08	IF	8	75
<b>Claude</b>	Low level of Russian wheat aphid	10/29/08	D	7	50
<b>Dalhart</b>	Late season freeze	11/11/08	D	7	75
<b>Etter</b>	Drought; Russian wheat aphid	11/05/08	D	7	50
<b>Etter</b>	Russian wheat aphid	11/04/08	IF	7	75
<b>Perryton (AgriPro)</b>	Good Moisture Early, Good Year	10/28/08	D	7.5	50
<b>Perryton (AgriPro)</b>	Delayed Planting Due to Rain – Weak Stand	10/29/08	IL	7.5	75
<b>Sherman Co.</b>	Drought	11/03/08	D	7	50

<sup>1</sup>All locations were conventionally tilled and the fertilizers (both preplant and topdress) were producer applied.

\*Irrigation: IF = Irrigated Full, IL = Irrigated Limited, D = Dryland

## Uniform Wheat Variety Trial - Bushland - Dryland, Hard Wheat 2009

2009 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2009	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2009
1	Duster	OSU	21.4	17.0	25.2	58.6
2	Bill Brown	CSU	20.9	-	-	61.1
3	TAM 112	TAMU	20.2	20.5	29.5	58.7
4	Hatcher	CSU	19.9	17.0	28.9	59.6
5	Endurance	OSU	19.2	16.5	28.7	58.4
6	TAM 111	TAMU	19.1	16.2	27.3	59.4
7	Jagalene	AgriPro	19.1	14.8	22.8	59.0
8	TX01V5134RC-3*	TAMU	18.6	-	-	59.1
9	TX02A0252*	TAMU	18.2	15.5	-	59.3
10	OK04525*	OSU	18.2	-	-	58.9
11	Jagger	KSU	17.6	15.1	25.5	56.8
12	T81	Trio Seed Research	17.5	14.4	24.9	58.7
13	Overley	KSU	17.3	14.6	25.4	58.2
14	OK05526*	OSU	17.2	-	-	58.2
15	AP06T3832*	AgriPro	17.2	14.0	-	55.3
16	AP06TW4822*	AgriPro	16.7	-	-	55.2
17	OK03522*	OSU	16.3	-	-	58.2
18	TAM W-101	TAMU	16.2	14.5	22.9	57.7
19	AP06TA4520*	AgriPro	16.0	-	-	56.5
20	Fuller	KSU	15.8	16.6	26.9	57.7
21	Dumas	AgriPro	15.6	11.3	21.1	58.2
22	Santa Fe	Westbred	15.6	14.9	26.5	57.0
23	Armour	Westbred	15.5	-	-	57.5
24	T136	Trio Seed Research	15.3	-	-	57.8
25	AP06T3519*	AgriPro	15.3	-	-	57.5
26	Deliver	OSU	15.1	13.3	23.9	58.9
27	TAM 304	TAMU	15.1	14.7	25.4	55.1
28	TAM 203	TAMU	14.9	11.3	22.3	55.7
29	Jackpot	AgriPro	14.8	14.4	26.1	57.3
30	Fannin	AgriPro	14.5	11.7	22.1	58.9
31	Bullet	OSU	14.4	14.0	24.8	58.6
32	TX04V075080*	TAMU	14.0	-	-	56.8
33	Doans	AgriPro	13.2	10.4	18.6	58.5
34	TAM 401	TAMU	12.4	11.6	22.7	55.4
35	Shocker	Westbred	12.3	12.1	24.5	55.8
36	TX03A0148*	TAMU	11.2	12.4	-	56.0
37	Art	AgriPro	11.0	10.7	-	57.6

<b>Mean</b>	<b>16.3</b>	<b>14.2</b>	<b>24.8</b>	<b>57.8</b>
<b>CV (%)</b>	<b>9.8</b>			
<b>LSD (5%)</b>	<b>2.6</b>			

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2009 and 2008

<sup>‡</sup> yield average for 2009, 2008, and 2007

## Uniform Wheat Variety Trial - Bushland - Irrigated, Hard Wheat 2009

2009 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2009	2-Year †	3-Year ‡	2009
1	Hatcher	CSU	70.6	49.4	65.1	60.6
2	TX02A0252*	TAMU	64.6	45.9	-	60.9
3	Bill Brown	CSU	62.0	-	-	60.0
4	TAM 111	TAMU	61.9	43.5	58.1	60.7
5	T81	Trio Seed Research	59.6	41.6	57.5	59.9
6	OK03522*	OSU	56.2	-	-	59.8
7	Duster	OSU	56.2	39.2	57.0	59.7
8	OK04525*	OSU	55.1	-	-	59.6
9	T136	Trio Seed Research	52.9	-	-	58.2
10	Endurance	OSU	52.3	38.6	55.6	58.9
11	OK05526*	OSU	51.7	-	-	59.4
12	TX04V075080*	TAMU	51.6	-	-	58.0
13	TX01V5134RC-3*	TAMU	49.4	-	-	59.3
14	Armour	Westbred	48.6	-	-	58.1
15	Jagger	KSU	48.3	36.5	52.2	57.7
16	TAM 203	TAMU	48.3	37.5	54.8	55.0
17	Jagalene	AgriPro	48.0	34.6	48.2	59.3
18	Jackpot	AgriPro	47.3	37.3	55.0	58.8
19	Dumas	AgriPro	46.7	32.8	49.6	58.6
20	Bullet	OSU	46.3	34.0	50.6	58.4
21	AP06T3519*	AgriPro	46.1	-	-	58.2
22	TAM 401	TAMU	45.5	33.3	51.2	56.8
23	TX03A0148*	TAMU	45.5	33.4	-	56.5
24	Deliver	OSU	44.8	35.2	50.6	59.0
25	TAM 112	TAMU	44.1	37.6	51.1	59.6
26	Overley	KSU	43.0	34.1	49.3	58.1
27	Art	AgriPro	42.9	31.9	-	57.5
28	Santa Fe	Westbred	42.8	36.8	54.6	57.0
29	TAM 304	TAMU	42.6	33.9	50.1	56.5
30	AP06TW4822*	AgriPro	42.6	-	-	56.4
31	Fuller	KSU	42.5	35.6	54.0	57.8
32	Doans	AgriPro	42.4	33.2	47.1	57.7
33	AP06TA4520*	AgriPro	41.1	-	-	56.5
34	AP06T3832*	AgriPro	40.7	32.9	-	55.5
35	TAM W-101	TAMU	39.6	31.9	45.0	59.6
36	Fannin	AgriPro	38.5	28.5	43.8	60.4
37	Shocker	Westbred	32.5	29.8	47.5	54.9

<b>Mean</b>	<b>48.5</b>	<b>36.1</b>	<b>52.2</b>	<b>58.3</b>
<b>CV (%)</b>	<b>10.2</b>			
<b>LSD (5%)</b>	<b>8.2</b>			

\* Experimental wheat breeding line

† yield average for 2009 and 2008

‡ yield average for 2009, 2008, and 2007

## Uniform Wheat Variety Trial - Claude - Dryland, Hard Wheat 2009

2009 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)	
			2009	2-Year †	3-Year ‡	2009	
1	TX02A0252*	TAMU	54.9	34.2	-	61.1	
2	Hatcher	CSU	54.8	32.6	49.7	60.7	
3	TAM 111	TAMU	52.0	29.9	46.7	60.0	
4	TAM 112	TAMU	51.5	33.3	48.9	59.5	
5	AP06T3519*	AgriPro	50.8	-	-	58.4	
6	Dumas	AgriPro	50.5	29.6	46.1	60.1	
7	Endurance	OSU	50.5	30.2	42.9	59.2	
8	Art	AgriPro	49.0	27.5	-	58.7	
9	Bill Brown	CSU	47.8	-	-	61.1	
10	Jagalene	AgriPro	47.8	28.3	41.7	60.3	
11	Armour	Westbred	47.1	-	-	58.5	
12	Duster	OSU	46.7	28.1	43.4	59.5	
13	Santa Fe	Westbred	46.5	26.9	42.1	59.0	
14	TX04V075080*	TAMU	46.5	-	-	58.9	
15	AP06T3832*	AgriPro	46.3	26.8	-	56.9	
16	OK05526*	OSU	46.1	-	-	59.9	
17	Jagger	KSU	46.0	26.9	40.4	57.5	
18	T81	Trio Seed Research	45.7	27.9	42.8	60.1	
19	AP06TW4822*	AgriPro	45.7	-	-	57.6	
20	Deliver	OSU	45.3	25.9	43.6	59.6	
21	OK03522*	OSU	44.9	-	-	59.5	
22	TAM W-101	TAMU	44.6	27.2	38.5	59.6	
23	TX01V5134RC-3*	TAMU	44.3	-	-	59.5	
24	OK04525*	OSU	44.2	-	-	60.3	
25	TAM 203	TAMU	44.0	25.8	38.0	58.6	
26	Overley	KSU	43.6	25.6	39.3	59.4	
27	T136	Trio Seed Research	43.5	-	-	60.1	
28	Fuller	KSU	43.2	26.9	41.9	58.4	
29	Doans	AgriPro	43.1	26.5	43.2	61.1	
30	Fannin	AgriPro	42.4	23.5	38.0	60.0	
31	AP06TA4520*	AgriPro	41.5	-	-	56.9	
32	Bullet	OSU	40.8	24.8	41.0	60.2	
33	TAM 401	TAMU	40.7	24.3	37.0	56.8	
34	TAM 304	TAMU	40.6	26.9	45.6	55.6	
35	Shocker	Westbred	39.9	23.0	38.2	57.7	
36	Jackpot	AgriPro	38.6	24.8	42.6	59.2	
37	TX03A0148*	TAMU	36.5	23.2	-	56.8	
			<b>Mean</b>	<b>45.6</b>	<b>27.3</b>	<b>42.3</b>	<b>59.1</b>
			<b>CV (%)</b>	<b>6.0</b>			
			<b>LSD (5%)</b>	<b>4.5</b>			

\* Experimental wheat breeding line

† yield average for 2009 and 2008

‡ yield average for 2009, 2008, and 2007

## Uniform Wheat Variety Trial - Dalhart - Irrigated, Hard Wheat 2009

2009 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2009	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2009
1	Hatcher	CSU	79.4	75.0	78.2	60.7
2	Bill Brown	CSU	72.9	-	-	59.7
3	TAM 203	TAMU	61.2	65.8	68.8	54.5
4	Dumas	AgriPro	54.3	61.0	67.9	60.7
5	TAM 111	TAMU	52.5	63.5	71.3	57.0
6	Jagger	KSU	50.6	60.3	65.6	54.6
7	TX01V5134RC-3*	TAMU	50.3	-	-	58.5
8	T136	Trio Seed Research	50.1	-	-	57.7
9	Deliver	OSU	49.6	57.4	64.1	56.1
10	TAM 112	TAMU	47.3	65.6	70.9	56.9
11	Endurance	OSU	46.6	65.0	70.1	56.7
12	T81	Trio Seed Research	45.5	61.7	66.3	56.3
13	Art	AgriPro	45.4	59.8	-	54.3
14	AP06T3832*	AgriPro	43.6	56.0	-	54.0
15	TAM 304	TAMU	43.4	57.6	68.2	54.2
16	Santa Fe	Westbred	40.9	52.4	59.5	54.9
17	TX04V075080*	TAMU	40.8	-	-	55.3
18	TAM 401	TAMU	39.7	51.2	-	52.7
19	Duster	OSU	39.5	55.3	65.3	57.8
20	OK05526*	OSU	39.1	-	-	57.2
21	Jagalene	AgriPro	37.8	60.1	69.0	55.6
22	AP06TW4822*	AgriPro	37.7	-	-	56.2
23	Jackpot	AgriPro	37.3	49.9	-	55.9
24	OK03522*	OSU	36.7	-	-	59.0
25	TX02A0252*	TAMU	36.2	55.3	-	55.5
26	Fannin	AgriPro	34.3	46.6	55.7	58.9
27	OK04525*	OSU	34.1	-	-	58.1
28	Bullet	OSU	33.8	51.0	-	56.3
29	Armour	Westbred	32.4	-	-	56.8
30	Fuller	KSU	29.6	48.0	60.0	53.6
31	Doans	AgriPro	28.0	47.9	57.2	57.9
32	TAM W-101	TAMU	27.7	45.2	50.3	59.5
33	AP06T3519*	AgriPro	27.7	-	-	55.4
34	Overley	KSU	27.1	50.6	60.2	56.9
35	AP06TA4520*	AgriPro	24.8	-	-	55.9
36	Shocker	Westbred	20.8	42.4	-	56.1
37	TX03A0148*	TAMU	11.7	42.0	-	53.4
<b>Mean</b>			<b>40.8</b>	<b>55.6</b>	<b>64.9</b>	<b>56.5</b>
<b>CV (%)</b>			<b>20.4</b>			
<b>LSD (5%)</b>			<b>14.0</b>			

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2009 and 2008

<sup>‡</sup> yield average for 2009, 2008, and 2006

## Uniform Wheat Variety Trial - Etter - Dryland, Hard Wheat 2009

2009 Rank	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)
			2009	2-Year <sup>†</sup>	2009
1	Hatcher	CSU	23.3	39.5	59.2
2	TAM 112	TAMU	20.9	38.4	57.6
3	OK04525*	OSU	20.8	-	58.8
4	TAM 304	TAMU	19.5	41.0	55.6
5	Bill Brown	CSU	19.1	-	59.4
6	Dumas	AgriPro	19.0	37.3	57.9
7	TAM 111	TAMU	19.0	38.7	57.4
8	OK05526*	OSU	18.2	-	58.1
9	Overley	KSU	18.2	37.3	57.3
10	TX02A0252*	TAMU	17.8	-	58.2
11	Jackpot	AgriPro	17.4	33.8	58.4
12	Duster	OSU	17.3	36.2	58.3
13	OK03522*	OSU	17.3	-	55.6
14	Armour	Westbred	17.2	-	55.2
15	Doans	AgriPro	16.9	33.4	58.5
16	TX01V5134RC-3*	TAMU	15.9	-	57.5
17	Santa Fe	Westbred	15.9	34.5	57.0
18	T136	Trio Seed Research	15.8	-	57.5
19	Jagalene	AgriPro	15.5	29.1	58.4
20	Fannin	AgriPro	15.4	29.1	57.8
21	AP06T3519*	AgriPro	15.2	-	56.9
22	Art	AgriPro	15.0	-	58.0
23	AP06TA4520*	AgriPro	14.4	-	54.5
24	TAM 401	TAMU	14.4	30.8	54.3
25	T81	Trio Seed Research	14.2	34.1	56.9
26	Jagger	KSU	14.0	31.3	56.3
27	TAM 203	TAMU	13.6	39.7	55.2
28	Endurance	OSU	13.5	32.7	57.5
29	Deliver	OSU	13.3	36.8	57.4
30	TX03A0148*	TAMU	13.3	-	55.4
31	Shocker	Westbred	13.2	28.3	55.5
32	AP06TW4822*	AgriPro	12.9	-	54.4
33	AP06T3832*	AgriPro	12.3	-	53.0
34	Bullet	OSU	12.2	32.7	57.3
35	TX04V075080*	TAMU	12.1	-	55.8
36	Fuller	KSU	11.8	34.1	58.0
37	TAM W-101	TAMU	10.9	27.7	58.1

Mean	15.8	34.4	57.0
CV (%)	18.3		
LSD (5%)	4.9		

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2009 and 2007

Yield data was not available for 2008.

## Uniform Wheat Variety Trial - Etter - Irrigated, Hard Wheat 2009

2009 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2009	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2009
1	Hatcher	CSU	41.2	40.7	49.4	58.7
2	Bill Brown	CSU	38.1	-	-	58.4
3	TAM 111	TAMU	37.8	33.0	46.4	59.3
4	OK03522*	OSU	36.7	-	-	58.7
5	TAM 112	TAMU	32.7	36.9	47.4	58.2
6	Dumas	AgriPro	32.6	29.8	41.6	57.5
7	OK04525*	OSU	32.5	-	-	58.2
8	TX02A0252*	TAMU	32.5	34.0	-	57.9
9	Duster	OSU	31.3	32.0	42.9	58.8
10	OK05526*	OSU	31.1	-	-	58.0
11	Endurance	OSU	31.1	34.0	40.0	57.6
12	TAM 304	TAMU	31.1	37.4	43.8	54.6
13	T136	Trio Seed Research	30.0	-	-	57.5
14	Jagger	KSU	29.9	28.3	34.5	56.7
15	TX01V5134RC-3*	TAMU	29.0	-	-	57.5
16	Fuller	KSU	28.3	29.4	39.6	57.3
17	T81	Trio Seed Research	27.1	29.2	40.6	57.0
18	Doans	AgriPro	26.9	29.5	38.3	58.6
19	Art	AgriPro	26.7	28.8	-	57.5
20	Armour	Westbred	26.7	-	-	53.9
21	AP06TW4822*	AgriPro	26.6	-	-	55.4
22	Jagalene	AgriPro	26.4	27.6	36.4	58.4
23	Jackpot	AgriPro	26.4	30.5	39.5	57.1
24	Deliver	OSU	26.3	27.5	35.6	57.0
25	TAM 203	TAMU	26.2	30.6	45.0	55.3
26	AP06T3832*	AgriPro	26.2	31.4	-	54.6
27	Overley	KSU	25.6	25.5	35.1	58.0
28	TX04V075080*	TAMU	25.6	-	-	56.3
29	AP06T3519*	AgriPro	25.3	-	-	57.0
30	TAM W-101	TAMU	25.1	25.4	36.6	58.3
31	Bullet	OSU	24.8	29.1	40.1	57.6
32	AP06TA4520*	AgriPro	24.5	-	-	56.3
33	TAM 401	TAMU	24.4	28.3	37.8	54.3
34	Santa Fe	Westbred	24.0	24.1	33.5	56.3
35	Fannin	AgriPro	23.6	25.5	36.1	58.7
36	Shocker	Westbred	22.7	23.5	32.8	56.3
37	TX03A0148*	TAMU	22.4	29.4	-	55.3

<b>Mean</b>	<b>28.6</b>	<b>30.1</b>	<b>39.7</b>	<b>57.1</b>
<b>CV (%)</b>	<b>7.5</b>			
<b>LSD (5%)</b>	<b>3.6</b>			

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2009 and 2008

<sup>‡</sup> yield average for 2009, 2008, and 2007

### Uniform Wheat Variety Trial - Perryton, Dryland 2009 (AgriPro)

2009 Rank	Variety	Source	Grain Yield	Test Weight
			(bu/ac) 2009	(lb/bu) 2009
1	Hatcher	CSU	69.3	62.0
2	TAM 111	TAMU	61.5	60.6
3	Endurance	OSU	61.3	60.4
4	Bill Brown	CSU	59.4	62.0
5	TX02A0252*	TAMU	57.9	61.6
6	Armour	Westbred	57.6	58.8
7	TAM 112	TAMU	57.4	60.6
8	TX01V5134RC-3*	TAMU	57.2	60.8
9	AP06T3519*	AgriPro	56.7	59.8
10	Doans	AgriPro	56.4	62.2
11	Art	AgriPro	56.4	58.8
12	Jagalene	AgriPro	56.3	59.8
13	OK04525*	OSU	56.1	60.6
14	Dumas	AgriPro	55.2	61.4
15	T81	Trio Seed Research	55.2	60.4
15	Overley	KSU	55.2	60.4
16	Duster	OSU	54.3	61.0
17	OK05526*	OSU	54.1	61.0
18	Jagger	KSU	53.4	58.8
19	AP06T3832*	AgriPro	53.4	57.8
20	OK03522*	OSU	52.5	61.0
21	Santa Fe	Westbred	52.4	58.8
22	Cutter	AgriPro	51.8	61.6
23	Fannin	AgriPro	51.6	60.8
24	T136	Trio Seed Research	51.5	60.6
25	Fuller	KSU	50.8	60.6
26	AP06TW4822*	AgriPro	50.6	58.6
27	TAM 304	TAMU	50.2	58.2
28	TAM 401	TAMU	50.1	57.6
29	Deliver	OSU	50.0	60.4
30	Bullet	OSU	49.7	60.6
31	Jackpot	AgriPro	48.4	60.2
32	TAM 101	TAMU	48.2	60.4
33	AP06TA4520*	AgriPro	47.3	58.0
34	TAM 203	TAMU	45.9	58.2
35	Shocker	Westbred	45.0	58.4
36	TX04V075080*	TAMU	44.7	59.4
37	TX03A0148*	TAMU	44.5	58.6

**Mean 53.4 60.0**

\* Experimental wheat breeding line **CV (%) 7.1**

† Yields were not available prior to 2009. **LSD (5%) 6.2**



## Uniform Wheat Variety Trial - Perryton, Irrigated 2009 (AgriPro)

2009 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2009	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2009
1	Hatcher	CSU	78.0	78.3	-	61.2
2	Dumas	AgriPro	66.0	66.9	63.2	58.3
3	Art	AgriPro	64.7	62.8	-	59.1
4	OK05526*	OSU	64.6	-	-	59.7
5	Santa Fe	Westbred	61.1	68.2	66.5	56.7
6	Armour	Westbred	60.9	-	-	58.2
7	Duster	OSU	60.9	70.2	66.6	56.9
8	Bill Brown	CSU	60.2	-	-	57.1
9	Fuller	KSU	59.6	69.7	66.5	58.1
10	T136	Trio Seed Research	58.8	-	-	58.9
11	Endurance	OSU	58.6	59.5	57.4	60.1
12	OK04525*	OSU	58.2	-	-	57.0
13	TX02A0252*	TAMU	57.8	70.5	-	58.0
14	OK03522*	OSU	57.0	-	-	56.5
15	AP06TW4822*	AgriPro	56.7	-	-	57.4
16	AP06TA4520*	AgriPro	56.3	-	-	57.0
17	Doans	AgriPro	56.2	64.4	64.3	58.4
18	TAM 111	TAMU	56.1	70.5	66.3	59.7
19	TX01V5134RC-3*	TAMU	56.0	-	-	58.2
20	TAM 203	TAMU	54.9	65.6	63.3	56.7
21	Shocker	Westbred	54.5	56.6	58.7	55.7
22	AP06T3519*	AgriPro	54.2	-	-	59.4
23	TX04V075080*	TAMU	53.9	-	-	54.5
24	AP06T3832*	AgriPro	53.7	63.4	-	58.1
25	Jagalene	AgriPro	53.2	62.5	55.7	52.8
26	T81	Trio Seed Research	53.2	63.5	-	59.4
27	TAM W-101	TAMU	53.1	59.9	55.0	56.0
28	TAM 401	TAMU	51.5	66.0	67.4	55.2
29	TAM 304	TAMU	51.4	70.1	66.2	55.6
30	TAM 112	TAMU	51.2	66.6	64.5	60.2
31	Fannin	AgriPro	50.7	55.0	57.4	59.4
32	Jagger	KSU	50.2	57.2	52.2	52.7
33	Deliver	OSU	49.8	60.6	57.2	54.4
34	Cutter	AgriPro	48.9	60.0	53.7	56.3
35	Jackpot	AgriPro	48.4	57.3	62.3	52.6
36	Bullet	OSU	45.6	59.7	57.9	57.3
37	Overley	KSU	44.7	53.7	53.1	54.2
38	TX03A0148*	TAMU	37.8	58.7	-	43.5

**Mean 55.5 63.6 60.7 56.9**

\* Experimental wheat breeding line

**CV (%) 10.8**

<sup>†</sup> yield average for 2009 and 2008

**LSD (5%) 9.8**

<sup>‡</sup> yield average for 2009, 2008, and 2007

### Uniform Wheat Variety Trial - Sherman Co. - Dryland Hard Wheat 2009

2009 Rank	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)
			2009	2-Year <sup>†</sup>	2009
1	Hatcher	CSU	28.3	43.9	59.5
2	TX01V5134RC-3*	TAMU	22.3	-	58.9
3	TAM 112	TAMU	21.8	39.2	59.3
4	Bill Brown	CSU	20.3	-	59.6
5	TX02A0252*	TAMU	20.1	-	58.3
6	Dumas	AgriPro	19.1	33.0	59.3
7	Bullet	OSU	18.9	38.9	58.4
8	T81	Trio Seed Research	18.6	36.5	58.7
9	Santa Fe	Westbred	18.5	35.4	57.3
10	Jackpot	AgriPro	17.8	28.4	57.8
11	T136	Trio Seed Research	17.7	-	58.3
12	TAM 111	TAMU	17.6	34.8	58.0
13	TAM 304	TAMU	17.4	36.4	54.6
14	OK05526*	OSU	17.3	-	58.5
15	Art	AgriPro	16.8	-	57.9
16	TX04V075080*	TAMU	16.7	-	56.9
17	OK04525*	OSU	16.6	-	59.3
18	Duster	OSU	16.4	38.9	58.9
19	TAM W-101	TAMU	16.3	37.9	59.1
20	AP06TA4520*	AgriPro	16.3	-	55.9
21	Fannin	AgriPro	16.1	28.0	58.8
22	Overley	KSU	15.7	31.0	58.4
23	AP06T3519*	AgriPro	15.5	-	56.5
24	Jagger	KSU	15.3	33.1	57.9
25	Endurance	OSU	15.0	36.5	57.9
26	TAM 401	TAMU	15.0	31.7	55.5
27	OK03522*	OSU	14.8	-	59.2
28	Fuller	KSU	13.8	47.0	58.0
29	TAM 203	TAMU	13.3	38.1	56.4
30	Jagalene	AgriPro	13.1	34.6	58.5
31	AP06TW4822*	AgriPro	12.7	-	54.9
32	AP06T3832*	AgriPro	12.5	-	55.4
33	Deliver	OSU	12.2	27.0	58.1
34	Doans	AgriPro	12.1	27.6	59.6
35	Armour	Westbred	12.0	-	56.7
36	TX03A0148*	TAMU	11.5	-	56.2
37	Shocker	Westbred	10.5	29.9	56.3
<b>Mean</b>			<b>16.4</b>	<b>34.9</b>	<b>57.8</b>
<b>CV (%)</b>			<b>16.7</b>		
<b>LSD (5%)</b>			<b>4.5</b>		

\* experimental wheat breeding line

<sup>†</sup> yield average for 2009 and 2007

# Rolling Plains Location Details and Issues

Location <sup>1</sup>	Yield Limiting Issues	Planting Date	Fertilizer (Total) (lbN/a)	Water*	Row Spacing inch
<b>Abilene</b>	<b>Not Harvested -</b> Extreme Drought Poor Stand	10/28/08	70	D	7.5
<b>Chillicothe</b>	<b>Not Harvested -</b> Extreme Drought, Hard Freeze	10/21/08	40	D	6
<b>Electra<sup>2</sup></b>	<b>Not Harvested -</b> Extreme Drought, Hard Freeze	10/24/08	-	D	6
<b>Hardeman Grain</b>	<b>Not Harvested -</b> Extreme Drought, Hard Freeze	10/29/08	-	D	6
<b>Knox Co. (AgriPro)</b>	<b>Not Harvested -</b> Severe Drought, Extreme Freeze, Storm Damage at Harvest	10/21/08	Producer Applied	D	7.5
<b>Muenster (AgriPro)</b>	<b>Not Harvested –</b> Severe Aphids, Slight Freeze Injury (~15% loss)	10/23/08	Producer Applied	D	7.5
<b>Vernon (AgriPro)</b>	<b>Not Harvested –</b> Severe Drought, Late Freeze (~25% loss)	10/25/08	140	D	7.5
<b>Vernon (AgriPro)</b>	<b>Not Harvested -</b> Extreme Freeze Damage	10/26/08	140	IL	7.5
<b>Wichita Co. (AgriPro)</b>	Drought Early, Late Freeze (~25% loss)	10/30/08	Producer Applied	D	7.5
<b>Young Co. (AgriPro)</b>	<b>Not Harvested –</b> Drought, Late Freeze (~25% Loss)	10/24/08	Producer Applied	D	7.5

<sup>1</sup>Abilene, Chillicothe, Electra, and Hardeman Grain did not have any pesticides applied throughout the growing season. Producers applied the pesticides to all other locations.

<sup>2</sup>Electra was the only No-Till location, the rest were planted into a conventionally tilled seedbed.

\*Irrigation: IF = Irrigated Full, IL = Irrigated Limited, D = Dryland

### Uniform Wheat Variety Trial - Wichita Co, Hard Wheat 2009 (AgriPro)

2009 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)	
			2009	2-Year †	3-Year ‡	2009	
1	TAM 112	TAMU	30.2	45.2	52.1	56.2	
2	Duster	OSU	28.2	40.5	44.2	56.0	
3	TAM 203	TAMU	27.7	39.9	48.3	51.4	
4	TAM 401	TAMU	26.5	37.2	47.2	54.2	
5	TAM W-101	TAMU	26.3	37.1	37.3	55.6	
6	Jagalene	AgriPro	26.0	42.3	38.5	56.6	
7	Fuller	KSU	25.0	41.4	47.4	54.6	
8	TAM 111	TAMU	24.8	39.6	40.4	56.2	
9	AP06T3519*	AgriPro	24.7	-	-	54.4	
10	TX01V5134RC-3*	TAMU	24.4	-	-	55.2	
11	OK05526*	OSU	24.3	-	-	56.2	
12	Bullet	OSU	23.6	38.4	44.0	55.4	
13	TX02A0252*	TAMU	22.8	35.8	-	56.4	
14	Jagger	KSU	22.7	39.2	39.6	54.4	
15	TX04V075080*	TAMU	22.6	-	-	54.0	
16	Santa Fe	WestBred	22.5	45.8	47.5	54.8	
17	OK04525*	OSU	22.0	-	-	57.0	
18	Overly	KSU	21.7	37.1	47.1	54.6	
19	Deliver	OSU	20.2	33.3	40.9	57.4	
20	Endurance	OSU	20.2	33.9	40.7	55.0	
21	Jackpot	AgriPro	20.2	39.6	50.4	53.8	
22	TX03A0148*	TAMU	20.0	32.0	-	51.2	
23	AP06TW4822*	AgriPro	19.9	-	-	51.0	
24	AP06TA4520*	AgriPro	19.7	-	-	54.0	
25	OK03522*	OSU	19.5	-	-	54.4	
26	Doans	AgriPro	19.4	39.2	42.7	58.0	
27	AP06T3832*	AgriPro	19.2	39.4	-	52.4	
28	Shocker	WestBred	18.7	40.7	47.2	54.4	
29	OK03305*	OSU	18.4	-	-	54.8	
30	Art	AgriPro	16.5	35.5	-	54.4	
31	Dumas	AgriPro	16.4	35.0	41.0	57.0	
32	TAM 304	TAMU	16.3	33.4	41.6	53.0	
33	Fannin	AgriPro	13.0	34.2	42.9	55.8	
34	Sturdy 2K	TAMU	8.6	-	28.5	54.2	
			<b>Mean</b>	<b>21.5</b>	<b>38.2</b>	<b>43.3</b>	<b>54.8</b>
			<b>CV (%)</b>	<b>13.6</b>			
			<b>LSD (5%)</b>	<b>4.8</b>			

\*Experimental wheat breeding line

† yield average for 2009 and 2008

‡ yield average for 2009, 2008, and 2007

# South Texas Location Details and Issues

Location <sup>1</sup>	Yield Limiting Issues	Planting Date	Fertilizer (Total)	Water*	Row Spacing	Pesticide Applied	Date Appl.
			(lbN/a)		inch		
<b>Brady</b>	Severe Drought; Late Emergence; Some Freeze Injury	10/27/08	100	D	7.5	None	-
<b>Castroville</b>	None: Good Year, No Freeze Injury	11/21/08	115	IF	6	Harmony Extra (0.05 lb/a)  Dimethoate (2 pt/a)	2/7/09
<b>College Station</b>	Good Year – Timely Rains, Minor Freeze Damage	11/18/08	118	D	6	Weedmaster (1 pt/a) + Harmony Extra (0.05 lb/a)  Dimethoate (2 pt/a)	1/23/09
<b>Luling (AgriPro)</b>	<b>Not Harvested</b> - Poor Stand, Severe Drought	12/11/08	Producer Applied	D	7.5	None	-

<sup>1</sup>All locations were planted into a conventionally tilled seedbed at a rate of 58 lb/a.

\*Irrigation: IF = Irrigated Full, IL = Irrigated Limited, D = Dryland

## Uniform Wheat Variety Trial - Brady, Hard Wheat 2009

2009 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2009	2-Year †	3-Year ‡	2009
1	OK04111*	OSU	47.6	-	-	58.6
2	TX02A0252*	TAMU	47.1	42.1	-	60.9
3	Fuller	KSU	46.2	47.0	-	58.5
4	TAM W-101	TAMU	42.6	43.4	43.5	59.1
5	TAM 203	TAMU	42.2	42.7	-	57.3
6	AP06T3519*	AgriPro	41.3	-	-	55.8
7	TX04V075080*	TAMU	40.5	-	-	58.8
8	AP06TW4822*	AgriPro	39.9	-	-	56.0
9	Art	AgriPro	39.2	42.2	-	58.8
10	AP06T3832*	AgriPro	39.1	44.2	-	56.8
11	TAM 111	TAMU	38.4	42.3	45.1	60.5
12	Sturdy 2K	TAMU	37.3	36.4	38.6	57.4
13	Bullet	OSU	37.0	44.1	-	59.9
14	TAM 112	TAMU	36.8	46.4	51.5	60.6
15	Jagalene	AgriPro	34.6	35.2	40.0	59.4
16	Deliver	OSU	34.3	34.4	24.5	59.1
17	Duster	OSU	34.3	38.1	-	59.0
18	Santa Fe	WestBred	33.9	45.7	-	57.8
19	OK04525*	OSU	33.3	-	-	58.4
20	TX01V5134RC-3*	TAMU	33.3	-	-	56.2
21	Dumas	AgriPro	32.4	34.7	36.3	57.7
22	Overly	KSU	31.7	35.6	38.7	57.1
23	TAM 401	TAMU	31.6	33.2	-	54.5
24	Coronado	AgriPro	31.4	34.9	38.9	57.9
25	Jackpot	AgriPro	31.1	38.7	-	57.9
26	AP06TA4520*	AgriPro	30.9	-	-	54.2
27	OK05526*	OSU	30.8	-	-	58.9
28	Jagger	KSU	30.7	36.4	38.7	54.3
29	Endurance	OSU	30.6	34.8	36.7	54.1
30	NK 812	Northrup King	28.5	-	-	57.0
31	Doans	AgriPro	27.9	33.2	-	59.2
32	2145	KSU	27.9	-	-	57.0
33	OK03305*	OSU	27.1	-	-	56.9
34	Fannin	AgriPro	25.5	29.7	35.6	57.6
35	TAM 304	TAMU	25.4	31.6	37.6	54.9
36	OK03522*	OSU	23.6	-	-	57.7
37	Shocker	WestBred	22.0	34.4	-	58.1
38	TX03A0148*	TAMU	21.0	28.7	-	54.8

**Mean 33.9 38.1 38.9 57.6**

**CV (%) 16.4**

**LSD (5%) 8.9**

\* Experimental wheat breeding line

† yield average for 2009 and 2008

‡ yield average for 2009, 2008, and 2005

## Uniform Wheat Variety Trial - College Station, Hard Wheat 2009

2009 Rank	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)
			2009	2-Year <sup>†</sup>	2009
1	Art	AgriPro	69.5	64.8	57.3
2	TAM 203	TAMU	68.3	61.0	57.2
3	Duster	OSU	67.7	56.8	55.2
4	AP06T3832*	AgriPro	65.5	65.7	55.8
5	TAM 304	TAMU	65.4	65.0	54.4
6	AP06TW4822*	AgriPro	64.4	-	59.1
7	TX03A0148*	TAMU	63.9	57.1	53.5
8	Fuller	KSU	63.1	58.0	55.7
9	OK05526*	OSU	61.9	-	57.4
10	TX04V075080*	TAMU	61.3	-	54.5
11	Santa Fe	WestBred	59.1	50.3	56.9
12	Shocker	WestBred	60.4	56.8	57.3
13	OK03522*	OSU	59.2	-	58.5
14	Jackpot	AgriPro	58.2	58.9	55.1
15	AP06T3519*	AgriPro	57.2	-	56.8
16	TX01V5134RC-3*	TAMU	56.9	-	59.1
17	Doans	AgriPro	56.6	53.0	58.8
18	Fannin	AgriPro	56.6	57.4	57.2
19	Coronado	AgriPro	56.7	52.1	55.4
20	TAM 401	TAMU	55.4	58.6	55.9
21	Dumas	AgriPro	52.6	48.1	59.0
22	AP06TA4520*	AgriPro	52.5	-	57.1
23	OK04111*	OSU	51.7	-	56.8
24	OK03305*	OSU	51.5	-	57.9
25	OK04525*	OSU	49.8	-	58.3
26	Sturdy 2K	TAMU	49.0	42.5	55.7
27	Deliver	OSU	47.7	42.4	57.3
28	TX02A0252*	TAMU	46.3	37.6	57.8
29	NK 812	Northrup King	46.2	-	57.1
30	Jagger	KSU	45.7	41.8	52.3
31	Overly	KSU	44.5	44.7	55.5
32	Endurance	OSU	41.0	31.8	55.1
33	TAM 111	TAMU	40.4	36.4	56.4
34	2145	KSU	39.8	-	53.3
35	TAM W-101	TAMU	39.1	33.8	57.1
36	TAM 112	TAMU	31.4	34.8	54.8
37	Bullet	OSU	30.6	29.6	52.0
38	Jagalene	AgriPro	29.7	34.1	54.0

<b>Mean</b>	<b>53.1</b>	<b>49.0</b>	<b>56.5</b>
<b>CV (%)</b>	<b>10.4</b>		
<b>LSD (5%)</b>	<b>8.9</b>		

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2009 and 2008

## Uniform Wheat Variety Trial - Castroville, Hard Wheat 2009

2009 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)	
			2009	2-Year <sup>†</sup>	3-Year <sup>‡</sup>	2009	
1	AP06T3832*	AgriPro	84.6	80.4	-	60.7	
2	AP06TW4822*	AgriPro	75.9	-	-	61.2	
3	OK03522*	OSU	75.5	-	-	62.1	
4	OK05526*	OSU	75.2	-	-	61.5	
5	TAM 401	TAMU	75.2	71.1	62.3	59.7	
6	TAM 203	TAMU	75.0	71.5	64.3	60.8	
7	Shocker	WestBred	67.7	70.1	54.8	60.1	
8	TX03A0148*	TAMU	67.5	74.3	-	57.7	
9	Duster	OSU	66.6	64.2	57.2	60.5	
10	TX01V5134RC-3*	TAMU	66.5	-	-	61.0	
11	NK 812	Northrup King	66.1	-	-	59.4	
12	AP06TA4520*	AgriPro	65.6	-	-	57.4	
13	Fuller	KSU	64.5	59.9	57.7	61.2	
14	Jackpot	AgriPro	62.5	60.8	57.9	59.8	
15	Santa Fe	WestBred	62.1	66.2	59.3	59.9	
16	TAM 304	TAMU	61.4	75.8	65.2	59.2	
17	AP06T3519*	AgriPro	58.7	-	-	59.7	
18	TAM 112	TAMU	55.8	63.6	60.3	59.5	
19	Fannin	AgriPro	55.4	59.3	53.4	61.0	
20	Deliver	OSU	51.8	54.5	48.3	59.6	
21	TAM W-101	TAMU	51.7	50.8	47.5	60.1	
22	OK03305*	OSU	50.6	-	-	59.1	
23	TX04V075080*	TAMU	49.5	-	-	59.2	
24	OK04525*	OSU	48.6	-	-	59.0	
25	TX02A0252*	TAMU	48.5	55.8	-	57.3	
26	Art	AgriPro	48.4	63.0	-	58.8	
27	Coronado	AgriPro	48.2	57.3	52.6	60.3	
28	Dumas	AgriPro	45.9	62.9	59.4	59.0	
29	Overly	KSU	45.4	50.8	48.1	60.3	
30	Doans	AgriPro	44.3	48.2	48.3	60.8	
31	TAM 111	TAMU	38.6	57.7	52.2	59.7	
32	Bullet	OSU	37.0	55.6	52.3	58.1	
33	2145	KSU	36.6	-	-	59.4	
34	Jagger	KSU	35.9	42.7	40.8	59.1	
35	Jagalene	AgriPro	32.6	48.1	44.2	60.3	
36	OK04111*	OSU	30.5	-	-	58.9	
37	Sturdy 2K	TAMU	29.3	39.2	40.8	55.9	
38	Endurance	OSU	25.5	38.5	38.9	53.8	
			<b>Mean</b>	<b>54.8</b>	<b>59.3</b>	<b>53.0</b>	<b>59.5</b>
			<b>CV (%)</b>	<b>12.1</b>			
			<b>LSD (5%)</b>	<b>10.9</b>			

\* Experimental wheat breeding line

<sup>†</sup> yield average for 2009 and 2008

<sup>‡</sup> yield average for 2009, 2008, and 2007



## Uniform Wheat Variety Trial - Castroville, Spring Wheat 2009

2009			Yield	Height	Heading Data	Test Weight
Rank	Variety	Source	(bu/ac)	(inches)	(Julian)	(lb/bu)
			2009			2009
1	TAM 203*	TAMU	68.5	29	90	58.0
2	Albany	Trigen	60.7	32	82	61.1
3	Samson	WestBred	59.2	27	81	59.8
4	TAM 401*	TAMU	58.8	29	86	58.4
5	Faller	NDSU	52.1	29	82	62.0
6	Vantage	WestBred	51.3	30	81	62.4
7	Santa Fe*	KSU	51.1	25	87	60.3
8	Blade	WestBred	48.0	33	82	62.8
9	Jackpot*	AgriPro	47.5	32	93	57.2
10	Fuller*	KSU	46.2	30	90	58.8
11	Doans*	AgriPro	44.8	27	91	60.2
12	Verde	Douglas King Seed Co.	44.7	29	81	60.9
13	Banton	Douglas King Seed Co.	44.6	29	81	62.4
14	NK 812*	Northrup King	44.3	29	88	57.8
15	Fannin*	AgriPro	43.9	29	86	60.5
16	Howard	NDSU	42.8	32	81	60.9
17	Espresso	Atkison's Seed & Supply	42.4	23	84	59.7
18	TAM 304*	TAMU	41.8	26	93	57.6
19	Kuntz	AgriPro	39.0	26	82	61.2
20	Overley*	KSU	35.3	27	87	58.3
21	TAM 112*	TAMU	35.3	26	87	57.8
22	Jagger*	KSU	28.7	26	88	58.5
23	Coronado*	AgriPro	27.7	24	90	58.3
24	Briggs	AgriPro	24.6	29	81	61.3
<b>Mean</b>			<b>53.0</b>	<b>56.9</b>	<b>72.7</b>	<b>59.8</b>
<b>CV (%)</b>			<b>1.7</b>			
<b>LSD (5%)</b>			<b>1.4</b>			

\* Hard Red Winter Wheats (Used as Comparisons)