

2009

2009 Texas Wheat Variety Results



Department of Soil and Crop Sciences

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Preliminary

Texas Wheat Variety Trials

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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.

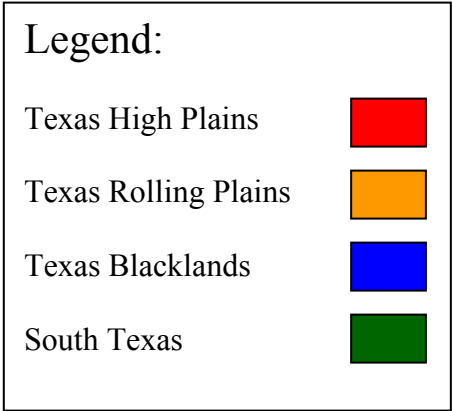
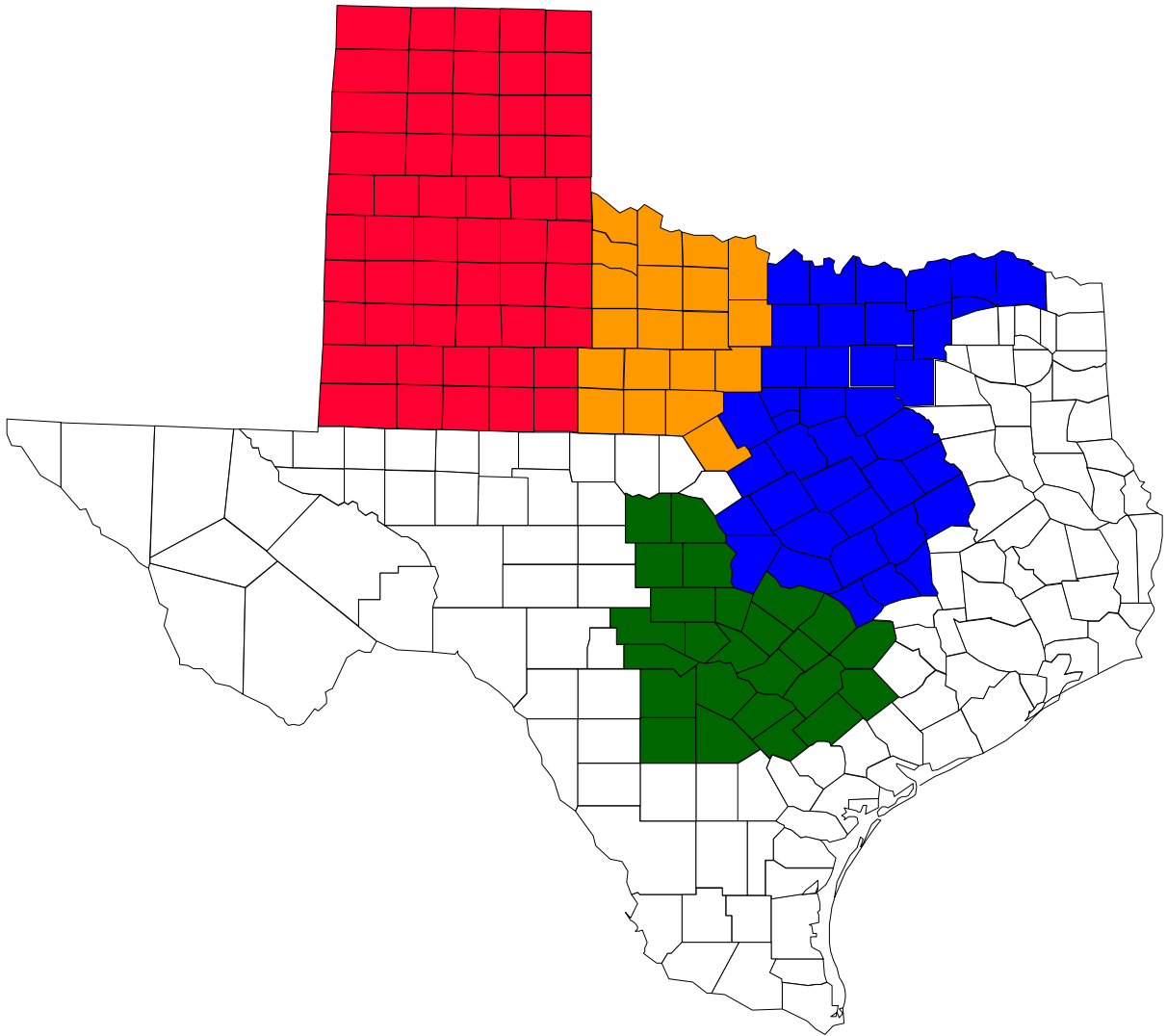
The mean is another term for the average. So, the mean value is the average of all the variety yields within the trial. The percent CV value indicates the level of unexplained variability present within the trial. A high CV value indicates a lot of variability existed within the trial. This variability 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.



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Texas Wheat Regions Map



2009 Texas Wheat Region Overview

Texas High Plains: Data for this region was not available at time of publication. (7/22/09)

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. Data from locations managed by AgriPro were not available at time of publication. (7/22/09)

Texas Blacklands:

The Texas Blacklands, especially the Southern Blacklands was also 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. Data from Hillsboro was not available at time of publication.

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.

Rolling Plains Location Issues

Location ¹	Yield Limiting Issues	Planting Date	Fertilizer (Total) (lbN/a)	Water*	Row Spacing inch
Abilene	Not Harvested - Extreme Drought Poor Stand	10/28/08	70	D	7.5
Chillicothe	Not Harvested - Extreme Drought, Hard Freeze	10/21/08	40	D	6
Electra²	Not Harvested - Extreme Drought, Hard Freeze	10/24/08	-	D	6
Hardeman Grain	Not Harvested - Extreme Drought, Hard Freeze	10/29/08	-	D	6
Knox Co. (AgriPro)	Not Harvested - Severe Drought, Extreme Freeze, Storm Damage at Harvest	10/21/08	Producer Applied	D	7.5
Muenster (AgriPro)	Severe Aphids, Slight Freeze Injury (~15% loss)	10/23/08	Producer Applied	D	7.5
Vernon (AgriPro)	Severe Drought, Late Freeze (~25% loss)	10/25/08	140	D	7.5
Vernon (AgriPro)	Not Harvested - Extreme Freeze Damage	10/26/08	140	IL	7.5
Wichita Co. (AgriPro)	Drought Early, Late Freeze (~25% loss)	10/30/08	Producer Applied	D	7.5
Young Co. (AgriPro)	Drought, Late Freeze (~25% Loss)	10/24/08	Producer Applied	D	7.5

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

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

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

Texas Blackland Location Issues

Location ¹	Yield Limiting Issues	Planting Date	Fertilizer (Total) (lbN/a)	Row Spacing inch	Pesticide Applied	Date Appl.
Clarksville ²	Not Harvested - Severe Drought and Freeze	10/12/08	80	7	Amber (0.56 oz/a)	2/7/09
Ellis County ²	Not Harvested - Severe Drought and Freeze	10/14/08	184	7	Amber (0.56 oz/a)	2/5/09
Hillsboro (AgriPro)	BYDV ³ , Greenbugs Early, No Freeze Damage	11/19/08	Producer Applied	7.5	Producer Applied	-
Hunt County ²	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 ²	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

¹All locations were planted into conventionally tilled soil and were grown under dryland conditions.

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

³Barley Yellow Dwarf Virus

Uniform Wheat Variety Trial - McGregor, Hard Wheat 2009

2009 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2009	2-Year [†]	3-Year [‡]	2009
1	Duster	OSU	94.8	78.9	68.0	60.8
2	OK05526*	OSU	92.9	-	-	61.0
3	AP063832*	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	Fuller	KSU	79.4	71.2	66.9	59.7
9	TX01V5134RC-3*	TAMU	78.2	78.2	-	59.1
10	TAM 304	TAMU	77.2	69.4	61.1	56.4
11	Shocker	WestBred	76.2	69.2	69.2	59.2
12	AP06TW4822*	AgriPro	76.0	-	-	57.4
13	Dumas	AgriPro	75.3	65.7	59.0	58.5
14	OK03305*	OSU	75.0	-	-	61.4
15	Endurance	OSU	75.0	64.5	56.6	56.7
16	TAM 112	TAMU	74.9	72.4	67.5	58.2
17	AP06T3519*	AgriPro	74.2	-	-	57.5
18	OK04525*	OSU	72.4	-	-	59.8
19	TX02A0252*	TAMU	72.1	60.8	-	58.8
20	TAM 401	TAMU	71.6	67.3	-	58.7
21	Sturdy 2K	TAMU	70.7	60.9	54.8	56.4
22	TX04V075080*	TAMU	70.1	-	-	57.2
23	NK 812	Northrup King	70.0	-	-	57.5
24	Santa Fe	WestBred	68.3	64.8	59.1	57.0
25	Coronado	AgriPro	65.9	59.9	55.0	58.0
26	2145	KSU	64.8	-	-	59.1
27	Jackpot	AgriPro	64.0	66.5	66.5	57.4
28	TAM 111	TAMU	62.0	57.8	50.7	56.6
29	AP06TA4520*	AgriPro	61.4	-	-	57.3
30	Overly	KSU	61.3	62.8	57.4	57.9
31	TAM W-101	TAMU	61.2	52.1	43.3	58.2
32	Art	AgriPro	57.2	62.7	-	56.2
33	Fannin	AgriPro	55.0	56.8	58.0	58.7
34	Jagger	KSU	54.9	52.1	43.2	56.3
35	OK04111*	OSU	54.4	-	-	58.7
36	Bullet	OSU	54.2	53.4	52.4	59.3
37	Doans	AgriPro	53.3	54.3	49.5	58.5
38	Jagalene	AgriPro	48.2	46.7	37.9	59.1

Mean 70.9 64.5 57.3 58.3

CV (%) 17.3

LSD (5%) 16.7

* Experimental wheat breeding line

[†] yield average for 2009 and 2008

[‡] yield average for 2009, 2008, and 2006

Uniform Wheat Variety Trial - Leonard, Soft Wheat 2009

2009 Rank	Variety	Source	Grain Yield (bu/ac)	Test Weight (lb/bu)
			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	B030543*	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
Mean			61.5	51.3

*Experimental Lines

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
Mean			60.8	52.6

*Experimental Lines

**Hard Wheat Varieties

Uniform Wheat Variety Trial - McGregor, Soft Wheat 2009

2009 Rank	Variety	Source	Grain Yield (bu/ac)			Test Weight (lb/bu)
			2009	2-Year [†]	3-Year [‡]	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	GA981622-5E35*	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	B030543*	Agri-Pro	69.2	-	-	57.3
32	8589	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
Mean			84.8	74.6	68.2	56.9
CV (%)			12.0			
LSD (5%)			13.8			

*Experimental Lines

**Hard wheat varieties

[†] yield average for 2009 and 2008

[‡] yield average for 2009, 2008, and 2006

Uniform Wheat Variety Trial - Royse City, Soft Wheat 2009

2009			Grain Yield (bu/ac)	Test Weight (lb/bu)
Rank	Variety	Source	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	B030543*	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
Mean			80.0	54.9

*Experimental Lines

Uniform Wheat Variety Trial - Royse City, SRWW vs. HRWW 2009

2009 Rank	Variety	Source	Grain Yield	Test Weight
			(bu/ac)	(lb/bu)
			2009	2009
1	Terrall LA841	Terral Seed	85.8	56.2
2	Magnolia	AgriPro	85.0	56.8
3	USG 3295	UniSouth Genetics	84.3	54.4
4	Pioneer 25R47	Pioneer	82.4	53.9
5	Fannin**	AgriPro	80.0	57.5
6	Jackpot**	AgriPro	79.8	55.6
7	Terral LA482	Terral Seed	78.7	54.2
8	TAM 401**	TAMU	77.7	54.3
9	TAM 304**	TAMU	76.2	53.1
10	Doans**	AgriPro	75.8	59.1
11	Coker 9553	AgriPro	75.3	57.2
12	Pioneer 25R57	Pioneer	74.4	55.3
13	TAM 203**	TAMU	67.3	54.6
14	Duster**	OSU	65.0	56.6
Mean			77.7	55.6

*Experimental Lines

**Hard Wheat Varieties

South Texas Location Issues

Location ¹	Yield Limiting Issues	Planting Date	Fertilizer (Total)	Water*	Row Spacing	Pesticide Applied	Date Appl.
			(lbN/a)		inch		
Brady	Severe Drought; Late Emergence; Some Freeze Injury	10/27/08	100	D	7.5	None	-
Castroville	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
College Station	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
Luling (AgriPro)	Not Harvested - Poor Stand, Severe Drought	12/11/08	Producer Applied	D	7.5	None	-

¹All 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	58.6	-	-	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	AP063832*	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	34.2	38.1	38.9	57.6
			CV (%)	20.8			
† yield average for 2009 and 2008			LSD (5%)	9.5			
‡ 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 [†]	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	AP063832*	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

Mean	53.1	49.0	56.5
CV (%)	10.4		
LSD (5%)	7.5		

* Experimental wheat breeding line

[†] 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 †	3-Year ‡	2009	
1	AP06T3519*	AgriPro	84.7	-	-	60.7	
2	TAM 401	TAMU	82.5	74.7	64.8	59.7	
3	AP06TW4822*	AgriPro	81.4	-	-	61.2	
4	OK05526*	OSU	79.9	-	-	61.5	
5	TX01V5134RC-3*	TAMU	79.1	-	-	61.0	
6	OK03522*	OSU	75.3	-	-	62.1	
7	TAM 203	TAMU	73.8	70.9	63.9	60.8	
8	Shocker	WestBred	72.6	72.6	56.4	60.1	
9	Fuller	KSU	70.8	63.0	59.7	61.2	
10	TX03A0148*	TAMU	68.9	75.0	-	57.7	
11	NK 812	Northrup King	67.8	-	-	59.4	
12	Duster	OSU	65.5	63.6	56.8	60.5	
13	AP063832*	AgriPro	65.0	70.6	-	59.7	
14	TAM 304	TAMU	63.4	76.8	65.9	59.2	
15	AP06TA4520*	AgriPro	62.7	-	-	57.4	
16	Jackpot	AgriPro	62.2	60.6	57.8	59.8	
17	Santa Fe	WestBred	59.1	64.7	58.2	59.9	
18	Coronado	AgriPro	58.3	62.3	56.0	60.3	
19	TAM 112	TAMU	55.5	63.4	60.2	59.5	
20	TX04V075080*	TAMU	55.2	-	-	59.2	
21	OK04525*	OSU	50.7	-	-	59.0	
22	Fannin	AgriPro	50.6	56.9	51.8	61.0	
23	Dumas	AgriPro	49.4	64.6	60.6	59.0	
24	TX02A0252*	TAMU	48.1	55.6	-	57.3	
25	Deliver	OSU	47.9	52.5	47.0	59.6	
26	Art	AgriPro	47.4	62.5	-	58.8	
27	Overly	KSU	46.5	51.3	48.5	60.3	
28	OK03305*	OSU	44.3	-	-	59.1	
29	TAM W-101	TAMU	41.2	45.5	44.0	60.1	
30	Doans	AgriPro	40.9	46.5	47.2	60.8	
31	Jagger	KSU	38.8	44.2	41.8	59.1	
32	TAM 111	TAMU	34.4	55.6	50.8	59.7	
33	2145	KSU	34.0	-	-	59.4	
34	Jagalene	AgriPro	32.1	47.8	44.1	60.3	
35	Bullet	OSU	32.1	53.2	50.7	58.1	
36	Endurance	OSU	30.2	40.9	40.4	53.8	
37	Sturdy 2K	TAMU	28.3	38.7	40.4	55.9	
38	OK04111*	OSU	23.9	-	-	58.9	
			Mean	55.4	59.0	53.0	59.5
			CV (%)	20.7			
			LSD (5%)	15.6			

* Experimental wheat breeding line

† yield average for 2009 and 2008

‡ 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			
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
Mean			53.0	56.9	72.7	59.8
CV (%)			1.7			
LSD (5%)			1.4			

* Hard Red Winter Wheats (Used as Comparisons)