

Blacklands – 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: 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.

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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 [†]	3-Year [‡]	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

[†] yield average for 2008 and 2007

[‡] 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 [†]	3-Year [‡]
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

[†] yield average for 2008 and 2007

[‡] 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 [†]	3-Year [‡]	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

	Mean	56.8	48.4	44.5	59.3
	CV (%)	9.7			
	LSD (5%)	8.9			

* 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 [†]	3-Year [‡]	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 [†]	3-Year [‡]	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

[†] yield average for 2008 and 2007

[‡] 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
	Coker 9553	Agri-Pro	71.5
	D03*9804*	Agri-Pro	65.4
	D04-5012*	Agri-Pro	65.5
	Fannin**	Agri-Pro	65.9
	GA981622-5E35*	UGA	77.7
	HBK 3128	Hornbeck	67.4
	HBK 3266	Hornbeck	61.8
	LA 841	Terrall Seed	71.2
	Magnolia	Agri-Pro	72.5
	Pioneer 25R47	Pioneer	76.9
	Pioneer 25R56	Pioneer	68.5
	TAM 203**	TAMU	80.9
	TAM 304**	TAMU	71.7
	TV 8558	Terrall Seed	67.4
	TVX 81170*	Terrall Seed	69.1
	TVX 85089*	Terrall Seed	72.1
	USG 3860	UniSouth Genetics	62.3
		Mean	69.9
			57.3

*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
Mean			55.9

*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 [†]	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

Mean 64.3 58.8 57.8

CV (%) 9.2

LSD (5%) 9.7

*Experimental Lines

**Hard wheat varieties

[†] 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 [†]	3-Year [‡]	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

Mean	45.1	58.6	61.3	55.2
CV (%)	12.9			
LSD (5%)	9.5			

*Experimental Lines

**Hard wheat varieties

[†] yield average for 2008 and 2007

[‡] yield average for 2005, 2007, and 2008