

South Texas – 2007

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 TCE and TAES 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, Luling, and Uvalde. Below is a table describing the predominant issues that affected the 2006-07 wheat crop at each location.

Location	Issues
Brady (data not reported)	Severe yield loss due to late spring freeze; some Hessian fly
Castroville	Moderate leaf rust pressure; bacteria blight
Luling	Moderate leaf rust pressure; bacteria blight
Uvalde	Moderate leaf rust pressure

Rankings: The rankings assigned to the varieties on the following pages were determined by 2007 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 funded by the Texas Wheat Producers Board.



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Uniform Wheat Variety Trial - Castroville, Hard Wheat 2007

2007 Rank	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)
			2007	2-Year [†]	2007
4	AP 04T8211*	AgriPro	52.3	-	55.8
29	AP 04TA9029*	AgriPro	38.5	-	53.5
14	Blend 1	(2145, Coronado, Fannin)	44.8	-	57.1
26	Blend 2	(Fannin, Cutter, Sturdy 2K)	40.1	-	56.8
20	Blend 3	(TAM 111, Coronado, Fannin)	42.9	-	57.5
9	Bullet	OSU	45.6	-	56.2
18	Coronado	AgriPro	43.3	-	56.8
38	Cutter	AgriPro	32.9	44.5	54.5
35	Deliver	OSU	36.0	38.6	56.3
7	Doans	AgriPro	48.4	-	57.7
3	Dumas	AgriPro	52.6	-	57.6
19	Duster	OSU	43.3	-	53.9
28	Endurance	OSU	39.5	43.7	54.6
22	Fannin	AgriPro	41.5	43.9	58.7
12	Fannin @ 30 lb/a	AgriPro	44.9	-	58.6
8	Fannin @ 45 lb/a	AgriPro	45.9	-	58.6
27	Fannin @ 60 lb/a	AgriPro	39.9	-	58.6
2	Fuller	KSU	53.2	-	55.1
30	Guymon	OSU	38.4	-	54.5
34	Jagalene	AgriPro	36.5	40.4	54.5
32	Jagger	KSU	37.0	-	55.6
39	Kojack	AgriPro	29.5	-	52.9
31	Longhorn	AgriPro	37.1	38.7	55.0
37	Mit	TAMU	33.2	-	54.7
17	Neosho	AgriPro	43.6	-	54.0
36	Ogallala	AgriPro	35.4	42.1	53.2
21	Overley	KSU	42.9	-	54.9
11	Santa Fe	Westbred	45.4	-	54.4
40	Shocker	Westbred	24.0	-	54.6
16	Sturdy 2K	TAMU	43.9	-	53.4
10	TAM 110	TAMU	45.6	40.6	53.7
23	TAM 111	TAMU	41.2	54.8	55.2
1	TAM 112	TAMU	53.8	-	56.3
5	TAM 203	TAMU	49.9	-	53.2
15	TAM 304	TAMU	44.2	-	53.3
25	TAM W-101	TAMU	41.0	47.6	55.1
24	TX01V6008	TAMU	41.1	-	55.5
13	TX03M1096	TAMU	44.9	-	55.3
6	TX99A0153-1	TAMU	49.0	-	53.6
33	WinMaster	Abilene Ag	36.6	-	57.7

Mean	42.0	43.5	55.5
CV (%)	8.4		
LSD (5%)	5.7		

* experimental wheat breeding line

[†] yield average for 2005 and 2007

Uniform Wheat Variety Trial - Luling, Hard Wheat 2007 (Agri-Pro)

2007 Rank	Variety	Source	Grain Yield	Test Weight
			(bu/ac)	(lb/bu)
			2007	2007
4	AP04T8211*	AgriPro	41.2	57.0
21	Bullet	OSU	25.1	57.6
12	Coronado	AgriPro	36.8	57.7
26	Cutter	AgriPro	15.1	55.1
9	Deliver	OSU	38.1	57.4
11	Doans	AgriPro	37.0	59.8
14	Dumas	AgriPro	34.5	58.6
16	Duster	OSU	31.8	56.1
19	Endurance	OSU	30.6	56.0
7	Fannin	AgriPro	39.0	58.4
5	Fuller	KSU	41.0	57.4
24	Guymon	OSU	16.7	56.4
29	Jagalene	AgriPro	13.9	55.3
28	Jagger	KSU	14.0	54.1
23	Kojak	AgriPro	19.6	54.3
20	Longhorn	AgriPro	28.8	55.9
30	Neosho	AgriPro	11.5	55.8
6	Overley	KSU	40.2	56.8
8	Santa Fe	Westbred	38.2	55.0
10	Shocker	Westbred	37.1	55.6
15	Sturdy 2K	TAMU	33.3	56.5
18	TAM 101	TAMU	31.2	54.8
27	TAM 110	TAMU	14.8	54.5
25	TAM 111	TAMU	15.6	53.0
13	TAM 112	TAMU	36.5	56.5
1	TAM 203	TAMU	48.5	55.1
3	TAM 304	TAMU	41.7	55.2
17	TX01V6008*	TAMU	31.6	56.1
2	TX03M1096*	TAMU	43.9	55.6
22	TX99A0153-1*	TAMU	24.2	51.6
Mean			28.9	56.0
CV (%)			10.3	
LSD (5%)			4.9	

* experimental wheat breeding line

Averages from previous years at this location were not available

Uniform Wheat Variety Trial - Uvalde (50% Irrigation), Hard Wheat 2007

2007 Rank	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)
			2007	2-Year †	2007
4	AP 04T8211*	AgriPro	52.8	-	57.4
22	AP 04TA9029*	AgriPro	35.5	-	56.7
32	Blend 1	(2145, Coronado, Fannin)	31.5	29.7	56.9
24	Blend 2	(Fannin, Cutter, Sturdy 2K)	34.9	28.2	56.7
23	Blend 3	(TAM 111, Coronado, Fannin)	35.1	30.5	56.9
11	Bullet	OSU	42.8	34.0	57.1
15	Coronado	AgriPro	40.1	33.5	57.6
35	Cutter	AgriPro	28.6	27.1	55.5
14	Deliver	OSU	41.4	27.0	57.3
5	Doans	AgriPro	46.9	36.9	59.6
31	Dumas	AgriPro	31.6	26.4	58.4
17	Duster	OSU	38.4	31.2	57.5
29	Endurance	OSU	32.0	21.4	54.2
27	Fannin	AgriPro	33.9	31.4	59.6
16	Fannin @ 30 lb/a	AgriPro	39.0	-	59.5
18	Fannin @ 45 lb/a	AgriPro	37.7	-	58.6
25	Fannin @ 60 lb/a	AgriPro	34.6	-	58.6
1	Fuller	KSU	58.1	40.8	58.1
30	Guymon	OSU	31.7	24.8	53.9
38	Jagalene	AgriPro	24.6	22.7	54.7
36	Jagger	KSU	26.9	26.2	55.1
9	Kojack	AgriPro	43.7	28.9	56.2
21	Longhorn	AgriPro	35.7	25.9	57.4
26	Mit	TAMU	34.3	32.9	56.2
40	Neosho	AgriPro	21.6	19.6	53.9
19	Ogallala	AgriPro	37.5	29.2	56.6
10	Overley	KSU	43.1	34.9	56.2
8	Santa Fe	Westbred	45.8	37.1	55.9
6	Shocker	Westbred	46.0	-	56.1
13	Sturdy 2K	TAMU	41.9	27.6	56.2
39	TAM 110	TAMU	23.1	23.2	54.0
34	TAM 111	TAMU	29.0	26.9	55.3
33	TAM 112	TAMU	30.2	32.0	57.3
2	TAM 203	TAMU	55.7	43.0	55.8
12	TAM 304	TAMU	42.2	35.4	54.1
28	TAM W-101	TAMU	33.7	27.6	55.5
7	TX01V6008	TAMU	45.8	34.0	56.3
3	TX03M1096	TAMU	55.0	-	55.6
20	TX99A0153-1	TAMU	36.3	-	54.9
37	WinMaster	Abilene Ag	26.1	-	56.9

Mean 37.6 30.0 56.5
CV (%) 13.6
LSD (5%) 8.3

* experimental wheat breeding line

† yield average for 2006 and 2007

‡ yield average for 2005, 2006, and 2007

Uniform Wheat Variety Trial - Uvalde (75% Irrigation), Hard Wheat 2007

2007 Rank	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)
			2007	2-Year †	2007
27	AP 04T8211*	AgriPro	47.0	-	55.4
11	AP 04TA9029*	AgriPro	44.9	-	54.7
26	Blend 1	(2145, Coronado, Fannin)	35.8	34.6	54.1
22	Blend 2	(Fannin, Cutter, Sturdy 2K)	39.4	33.4	53.2
30	Blend 3	(TAM 111, Coronado, Fannin)	34.7	33.3	56.1
7	Bullet	OSU	51.1	42.1	55.7
24	Coronado	AgriPro	37.5	37.4	56.9
36	Cutter	AgriPro	27.4	24.3	55.0
10	Deliver	OSU	46.0	35.0	57.6
17	Doans	AgriPro	41.8	39.0	57.2
14	Dumas	AgriPro	43.3	35.7	59.6
8	Duster	OSU	50.0	43.5	57.3
20	Endurance	OSU	40.4	31.1	54.6
15	Fannin	AgriPro	42.8	36.0	58.8
25	Fannin @ 30 lb/a	AgriPro	36.2	-	58.3
19	Fannin @ 45 lb/a	AgriPro	40.4	-	58.6
23	Fannin @ 60 lb/a	AgriPro	38.9	-	58.6
1	Fuller	KSU	59.8	46.3	57.6
34	Guymon	OSU	28.4	28.7	54.3
33	Jagalene	AgriPro	29.4	24.2	53.7
35	Jagger	KSU	27.6	31.2	54.2
13	Kojack	AgriPro	43.5	34.3	52.4
31	Longhorn	AgriPro	31.6	26.9	57.1
21	Mit	TAMU	39.8	34.3	55.6
38	Neosho	AgriPro	26.2	26.9	52.4
28	Ogallala	AgriPro	35.4	31.7	56.4
4	Overley	KSU	53.0	43.7	58.2
6	Santa Fe	Westbred	51.1	44.3	56.2
9	Shocker	Westbred	48.7	-	55.6
16	Sturdy 2K	TAMU	42.1	32.9	56.1
40	TAM 110	TAMU	17.6	18.6	53.5
39	TAM 111	TAMU	25.3	25.8	54.5
29	TAM 112	TAMU	35.1	36.5	55.8
5	TAM 203	TAMU	52.1	47.9	55.2
12	TAM 304	TAMU	44.2	41.3	53.7
18	TAM W-101	TAMU	40.7	36.3	54.5
2	TX01V6008	TAMU	55.7	44.6	55.4
3	TX03M1096	TAMU	54.4	-	55.5
32	TX99A0153-1	TAMU	30.0	-	55.4
37	WinMaster	Abilene Ag	26.9	-	56.3

Mean	39.9	34.9	55.8
CV (%)	15.9		
LSD (5%)	10.1		

* experimental wheat breeding line

† yield average for 2006 and 2007

‡ yield average for 2005, 2006, and 2007

Uniform Wheat Variety Trial - Uvalde (100% Irrigation), Hard Wheat 2007

2007 Rank	Variety	Source	Grain Yield (bu/ac)		Test Weight (lb/bu)
			2007	2-Year †	2007
3	AP 04T8211*	AgriPro	54.8	-	56.9
22	AP 04TA9029*	AgriPro	41.5	-	54.6
23	Blend 1	(2145, Coronado, Fannin)	41.4	40.6	57.7
25	Blend 2	(Fannin, Cutter, Sturdy 2K)	40.0	39.7	58.5
21	Blend 3	(TAM 111, Coronado, Fannin)	42.5	41.8	57.5
9	Bullet	OSU	48.0	44.9	56.7
11	Coronado	AgriPro	45.2	45.6	57.8
31	Cutter	AgriPro	35.7	34.4	52.8
19	Deliver	OSU	42.7	35.6	57.4
27	Doans	AgriPro	39.3	41.6	58.2
5	Dumas	AgriPro	50.8	44.8	58.3
18	Duster	OSU	42.7	38.4	58.8
24	Endurance	OSU	41.0	36.1	51.6
16	Fannin	AgriPro	44.0	39.5	57.7
17	Fannin @ 30 lb/a	AgriPro	43.0	-	58.2
32	Fannin @ 45 lb/a	AgriPro	35.4	-	58.6
13	Fannin @ 60 lb/a	AgriPro	45.1	-	58.6
7	Fuller	KSU	50.3	48.1	55.2
33	Guymon	OSU	34.1	34.0	54.3
36	Jagalene	AgriPro	32.6	31.8	53.0
37	Jagger	KSU	30.7	34.1	54.0
12	Kojack	AgriPro	45.2	42.3	51.3
34	Longhorn	AgriPro	33.8	34.4	53.0
28	Mit	TAMU	37.8	38.8	56.3
35	Neosho	AgriPro	32.8	31.9	52.6
14	Ogallala	AgriPro	44.9	42.5	56.1
10	Overley	KSU	46.7	45.6	56.9
8	Santa Fe	Westbred	50.2	45.6	56.5
4	Shocker	Westbred	53.1	-	54.6
15	Sturdy 2K	TAMU	44.2	42.5	56.2
38	TAM 110	TAMU	30.7	29.1	53.0
39	TAM 111	TAMU	25.9	31.0	54.7
29	TAM 112	TAMU	36.3	42.1	57.1
1	TAM 203	TAMU	57.3	53.7	56.7
6	TAM 304	TAMU	50.4	48.0	55.3
26	TAM W-101	TAMU	39.9	39.0	54.4
20	TX01V6008	TAMU	42.7	36.3	55.2
2	TX03M1096	TAMU	56.8	-	57.4
30	TX99A0153-1	TAMU	35.7	-	55.4
40	WinMaster	Abilene Ag	24.1	-	54.6

Mean 41.7 39.8 55.8
CV (%) 13.8
LSD (5%) 9.4

* experimental wheat breeding line

† yield average for 2006 and 2007

‡ yield average for 2005, 2006, and 2007