

## 2006 Texas Soybean Variety Trial Summary

Top 10 yielding soybean varieties (out of 92) averaged across Bardwell and Cooper, TX in 2006.

Variety	Yield	Height	Maturity	
	bu / a	Inches	rating	dap
Syngenta NK XR4669	20.7	25	4.6	130
Asgrow AG 4703	20.4	18	4.7	120
Progeny 4706	20.4	23	4.7	120
DeltaGrow DG 4770	20.2	22	4.7	121
DeltaKing DK 4764	20.1	23	4.7	123
Hornbeck HX4843	19.8	29	4.8	123
Terral TVX44R270	19.7	23	4.4	124
Armor GP 422	19.4	22	4.2	117
Deltapine DP 5110S	19.1	28	5.1	124
DeltaKing DK 4763	19.1	19	4.7	126
LSD (0.05)	3.5	2	-	6

dap = days after planting

Top five yielding soybean varieties (out of 92) at Bardwell.

Variety	Yield	Height	Maturity	
	bu / a	inches	rating	date
DeltaGrow DG 4960	27.7	16	4.9	9 Aug
Hornbeck C5025	24.8	29	5.0	5 Aug
Deltapine DP 5110S	24.3	22	5.1	23 July
Syngenta NK XR5068	23.6	22	5.0	8 Aug
Hornbeck HX4843	23.2	24	4.8	27 July
LSD (0.05)	3.8	2	-	8

Top five yielding soybean varieties (out of 92) at Cooper.

Variety	Yield	Height	Maturity	
	bu / a	inches	rating	date
Asgrow AG 4703	23.2	22	4.7	10 Aug
Armor GP 422	22.3	28	4.2	4 Aug
DeltaGrow DG 4770	22.0	27	4.7	6 Aug
DeltaKing DK 4763	22.0	25	4.7	4 Aug
Syngenta NK XR4669	21.4	31	4.6	7 Aug
LSD (0.05)	5.8	3	-	8

Combined agronomic data from two soybean variety trials Bardwell and Cooper, TX  
(sown 28 March and 5 April 2006, respectively).

Variety	Yield	Height	Maturity	
	bu / a	inches	rating	dap
Armor GP 422	19.4	22	4.2	117
Armor GP 454	18.9	23	4.5	126
Armor GP 488	11.8	19	4.8	130
Armor GP 490	15.8	22	4.9	127
Asgrow AG 3906	13.6	17	3.9	111
Asgrow AG 4103	15.8	19	4.1	117
Asgrow AG 4404	16.4	20	4.4	117
Asgrow AG 4703	20.4	18	4.7	120
Asgrow AG 4903	17.8	21	4.9	131
DeltaGrow DG 3950	13.4	20	3.9	111
DeltaGrow DG 3960	17.3	22	3.9	111
DeltaGrow DG 4150	15.1	21	4.1	115
DeltaGrow DG 4460	15.3	23	4.4	123
DeltaGrow DG 4660	16.9	25	4.6	120
DeltaGrow DG 4770	20.2	22	4.7	121
DeltaGrow DG 4840	12.3	20	4.8	128
DeltaGrow DG 4860	13.6	22	4.8	115
DeltaGrow DG 4960	19.0	23	4.9	134
DeltaGrow DG 4970	17.7	24	4.9	134
DeltaGrow DG 4975	16.7	22	4.9	124
DeltaGrow DG 5160	13.8	22	5.1	124
DeltaGrow DG 5260	11.0	17	5.2	144
DeltaKing DK 4461	17.0	21	4.4	117
DeltaKing XTJ744	16.0	19	4.4	119
DeltaKing DK 4667	16.3	26	4.6	119
DeltaKing DK 4763	19.1	19	4.7	126
DeltaKing DK 4764	20.1	23	4.7	123
DeltaKing DK 4866	12.6	20	4.8	133
DeltaKing DK 4967	14.0	21	4.9	120
DeltaKing XTJ749	14.8	24	4.9	131
DeltaKing XTJ750	16.9	21	5.0	132
DeltaKing DK 5066	15.1	22	5.0	128
LSD (0.05)	3.5	2	-	6

dap = days after planting

Variety	Yield	Height	Maturity	
	bu / a	inches	rating	dap
DeltaKing DK 5161	19.0	20	5.1	142
DeltaKing DK 52K6	13.1	21	5.2	144
Deltapine DP 3861RR	16.6	19	3.8	110
Deltapine DP 4331RR	17.3	20	4.3	123
Deltapine DP 4546RR	17.2	24	4.5	120
Deltapine DP 4724RR	14.4	20	4.7	120
Deltapine DP 4919RS	17.9	26	4.9	122
Deltapine DP 5110S	19.1	28	5.1	124
Deltapine DP 5115RS	14.3	26	5.1	136
Deltapine DP 5414RR	13.1	25	5.4	143
Hornbeck R3824	14.0	23	3.8	117
Hornbeck R4623	16.7	24	4.6	125
Hornbeck R4724	15.6	22	4.7	125
Hornbeck HX4843	19.8	29	4.8	123
Hornbeck R4924	13.0	23	4.9	131
Hornbeck C4926	11.3	24	4.9	131
Hornbeck C5025	13.4	30	5.0	132
Hornbeck R5123	10.0	27	5.1	141
Hornbeck R5425	10.8	26	5.4	142
Ozark (U. Ark.)	14.0	18	5.2	142
Pioneer Br. P94M31	11.7	19	4.3	116
Pioneer Br. P94M70	16.7	21	4.7	115
Pioneer Br. P94M80	18.4	26	4.8	121
Progeny 4405	17.3	23	4.4	122
Progeny 4706	20.4	23	4.7	120
Progeny 4805	12.7	22	4.8	136
Progeny 4906	15.6	22	4.9	122
Progeny 4949	17.0	22	4.9	130
Progeny 5205	15.3	24	5.2	136
Progeny 5260	14.1	20	5.2	140
LSD (0.05)	3.5	2	-	6

dap = days after planting

Variety	Yield	Height	Maturity	
	bu / a	inches	rating	dap
R99-2512 (U. Ark.)	3.5	18	5	147
R00-1178F (U. Ark.)	14.2	23	5	133
R00-1551 (U. Ark.)	11.5	17	5	141
R01-330 (U. Ark.)	10.8	20	5	144
R01-1017 (U. Ark.)	11.3	24	4.8	123
R01-1025 (U. Ark.)	11.0	22	4.9	129
S00-9912-56 (U. Mo.)	16.7	23	5.2	142
S03-058 (U. Mo.)	9.6	22	4.4	119
S03-328CR (U. Mo.)	12.5	20	5.3	134
Syngenta NK S43-B1	16.7	22	4.3	111
Syngenta NK XR4669	20.7	25	4.6	130
Syngenta NK S49-Q9	16.1	24	4.9	126
Syngenta NK XR5068	16.4	25	5.0	129
Syngenta NK XR5168	17.4	25	5.1	130
Terral TVX39R017	17.3	19	3.9	119
Terral TV41R56	19.0	21	4.1	117
Terral TVX44R270	19.7	23	4.4	124
Terral TV45R14	16.2	26	4.5	117
Terral TV46R15	15.0	26	4.6	119
Terral TV47R017	16.0	25	4.7	137
Terral TV48R14	15.4	23	4.8	128
Terral TV49R017	14.8	28	4.9	131
Terral TV49R270	17.8	24	4.9	131
Terral TV52R14	11.8	20	5.2	140
TN04-369RR	12.0	23	5.5	144
TN04-503RR	15.8	29	4.4	118
TN04-504RR	16.6	30	4.5	121
TN04-506RR	18.8	30	4.6	120
TX05-43RR	13.5	22	4.3	118
UA 4805 (U. Ark.)	13.6	15	4.8	136
LSD (0.05)	3.5	2	-	6

dap = days after planting

Agronomic data from soybean variety trial at Bardwell (sown 28 March 2006).

Variety	Yield	Height	Maturity	
	bu / a	inches	rating	date
Armor GP 422	15.9	16	4.2	17 July
Armor GP 454	17.6	19	4.5	2 Aug
Armor GP 488	11.9	15	4.8	5 Aug
Armor GP 490	18.7	18	4.9	4 Aug
Asgrow AG 3906	11.8	13	3.9	13 July
Asgrow AG 4103	13.8	16	4.1	17 July
Asgrow AG 4404	16.5	16	4.4	24 July
Asgrow AG 4703	17.6	14	4.7	19 July
Asgrow AG 4903	20.9	16	4.9	10 Aug
DeltaGrow DG 3950	13.4	15	3.9	15 July
DeltaGrow DG 3960	17.0	17	3.9	10 July
DeltaGrow DG 4150	19.7	17	4.1	19 July
DeltaGrow DG 4460	15.8	17	4.4	1 Aug
DeltaGrow DG 4660	22.4	21	4.6	27 July
DeltaGrow DG 4770	18.4	18	4.7	23 July
DeltaGrow DG 4840	14.0	16	4.8	8 Aug
DeltaGrow DG 4860	16.0	17	4.8	22 July
DeltaGrow DG 4960	27.7	16	4.9	9 Aug
DeltaGrow DG 4970	20.6	18	4.9	18 Aug
DeltaGrow DG 4975	18.8	17	4.9	29 July
DeltaGrow DG 5160	16.8	17	5.1	9 Aug
DeltaGrow DG 5260	13.6	12	5.2	18 Aug
DeltaKing DK 4461	15.6	16	4.4	22 July
DeltaKing XTJ744	17.4	16	4.4	28 July
DeltaKing DK 4667	20.2	21	4.6	26 July
DeltaKing DK 4763	16.1	14	4.7	4 Aug
DeltaKing DK 4764	20.2	19	4.7	2 Aug
DeltaKing DK 4866	12.6	15	4.8	18 Aug
DeltaKing DK 4967	17.3	16	4.9	22 July
DeltaKing XTJ749	20.3	19	4.9	11 Aug
DeltaKing XTJ750	20.5	18	5.0	14 Aug
DeltaKing DK 5066	18.1	17	5.0	22 July
LSD (0.05)	3.8	2	-	8

dap = days after planting

Variety	Yield	Height	Maturity	
	bu / a	inches	rating	Date
DeltaKing DK 5161	20.8	15	5.1	18 Aug
DeltaKing DK 52K6	20.0	17	5.2	18 Aug
Deltapine DP 3861RR	16.6	15	3.8	13 July
Deltapine DP 4331RR	13.8	15	4.3	24 July
Deltapine DP 4546RR	18.8	17	4.5	21 July
Deltapine DP 4724RR	18.3	16	4.7	25 July
Deltapine DP 4919RS	19.3	22	4.9	22 July
Deltapine DP 5110S	24.3	22	5.1	23 July
Deltapine DP 5115RS	20.4	20	5.1	17 Aug
Deltapine DP 5414RR	20.9	19	5.4	15 Aug
Hornbeck R3824	14.4	17	3.8	20 July
Hornbeck R4623	19.6	19	4.6	30 July
Hornbeck R4724	16.1	17	4.7	30 July
Hornbeck HX4843	23.2	24	4.8	27 July
Hornbeck R4924	11.9	17	4.9	11 Aug
Hornbeck C4926	17.2	21	4.9	5 Aug
Hornbeck C5025	24.8	29	5.0	5 Aug
Hornbeck R5123	17.1	25	5.1	18 Aug
Hornbeck R5425	19.2	29	5.4	18 Aug
Ozark (U. Ark.)	18.6	12	5.2	15 Aug
Pioneer Br. P94M31	13.4	15	4.3	21 July
Pioneer Br. P94M70	18.9	15	4.7	17 July
Pioneer Br. P94M80	22.9	21	4.8	24 July
Progeny 4405	16.9	18	4.4	29 July
Progeny 4706	21.6	19	4.7	25 July
Progeny 4805	13.7	16	4.8	14 Aug
Progeny 4906	18.0	17	4.9	27 July
Progeny 4949	16.4	18	4.9	5 Aug
Progeny 5205	15.2	17	5.2	18 Aug
Progeny 5260	22.0	15	5.2	17 Aug
LSD (0.05)	3.8	2	-	8

dap = days after planting

Variety	Yield	Height	Maturity	
	bu / a	inches	rating	date
R99-2512 (U. Ark.)	5.6	10	5	20 Aug
R00-1178F (U. Ark.)	16.7	18	5	11 Aug
R00-1551 (U. Ark.)	17.7	12	5	18 Aug
R01-330 (U. Ark.)	16.2	14	5	18 Aug
R01-1017 (U. Ark.)	13.8	20	4.8	30 July
R01-1025 (U. Ark.)	13.9	19	4.9	8 Aug
S00-9912-56 (U. Mo.)	21.1	14	5.2	14 Aug
S03-058 (U. Mo.)	11.0	17	4.4	25 July
S03-328CR (U. Mo.)	14.6	18	5.3	11 Aug
Syngenta NK S43-B1	20.3	18	4.3	16 July
Syngenta NK XR4669	20.0	18	4.6	12 Aug
Syngenta NK S49-Q9	17.4	20	4.9	1 Aug
Syngenta NK XR5068	23.6	22	5.0	8 Aug
Syngenta NK XR5168	21.7	20	5.1	6 Aug
Terral TVX39R017	17.0	15	3.9	21 July
Terral TV41R56	19.8	15	4.1	19 July
Terral TVX44R270	18.9	18	4.4	1 Aug
Terral TV45R14	20.1	20	4.5	16 July
Terral TV46R15	19.2	21	4.6	24 July
Terral TV47R017	19.5	21	4.7	14 Aug
Terral TV48R14	16.4	19	4.8	31 July
Terral TV49R017	19.5	22	4.9	12 Aug
Terral TV49R270	17.8	16	4.9	13 Aug
Terral TV52R14	17.5	14	5.2	17 Aug
TN04-369RR	19.6	17	5.5	18 Aug
TN04-503RR	18.1	24	4.4	21 July
TN04-504RR	21.2	24	4.5	20 July
TN04-506RR	21.1	25	4.6	22 July
TX05-43RR	13.3	16	4.3	22 July
UA 4805 (U. Ark.)	16.1	13	4.8	9 Aug
LSD (0.05)	3.8	2	-	8

Apparent iron-deficiency chlorosis in 92 soybean genotypes grown at Bardwell, TX. A value of zero (0) indicates no chlorosis and a value of 10 indicates complete chlorosis. Values were visually rated on 7 May 2006. The same 92 cultivars were grown at Cooper, TX but did not show chlorosis. The actual causes of the chlorosis were not confirmed.

Cultivar	IDC Rating		Cultivar	IDC Rating		Cultivar	IDC Rating
AG 3906	1.3		DK XTJ744	4.6		Prog 4805	10.0
AG 4103	4.4		DK XTJ749	5.1		Prog 4906	1.0
AG 4404	4.3		DK XTJ750	0.8		Prog 4949	0.0
AG 4703	5.7		DP 3861	1.6		Prog 5205	9.7
AG 4903	5.3		DP 4331	8.5		Prog 5260	0.7
Arm GP422	7.4		DP 4546	0.3		R00-1178F	2.2
Arm GP454	9.4		DP 4724	1.2		R00-1551	6.0
Arm GP488	5.5		DP 4919RS	0.0		R01-1017	1.1
Arm GP490	5.6		DP 5110S	0.0		R01-1025	0.0
DG 3950	0.5		DP 5115RS	0.0		R01-330	1.1
DG 3960	2.6		DP 5414RR	0.3		R99-2512	4.2
DG 4150	0.0		HBK C4926	5.7		S00-9912-56	0.2
DG 4460	8.3		HBK C5025	0.0		S03-058	4.9
DG 4660	1.0		HBK R3824	5.7		S03-328CR	2.1
DG 4770	4.6		HBK R4623	2.8		TN04-369RR	2.3
DG 4840	6.0		HBK R4724	0.0		TN04-503RR	1.8
DG 4860	0.0		HBK R4924	8.7		TN04-504rr	2.4
DG 4960	0.1		HBK R5123	2.8		TN04-506rr	3.8
DG 4970	7.8		HBK R5425	1.8		TV 41R56	3.8
DG 4975	2.5		HX 4843	1.2		TV 45R14	0.8
DG 5160	2.6		NK S43-B1	1.5		TV 46R15	1.0
DG 5260	0.1		NK XR5068	0.2		TV 47R017	6.2
DK 4461	8.0		NK-S49Q9	1.2		TV 48R14	2.8
DK 4667	2.9		NK XR4669	9.0		TV 52R14	0.2
DK 4763	9.2		NK XR5168	1.7		TV X39R017	3.3
DK 4764	8.6		Ozark	0.0		TV X44R270	7.3
DK 4866	9.5		P94M31	0.1		TV X49R017	0.0
DK 4967	0.3		P94M70	0.0		TV X49R270	7.4
DK 5066	2.9		P94M80	3.3		TX05-43rr	4.9
DK 5161	1.5		Prog 4405	9.9		UA 4805	0.1
DK 52K6	0.0		Prog 4706	6.0		LSD (0.05)	2.6
LSD (0.05)	2.6		LSD (0.05)	2.6			



Agronomic data from soybean variety trial at Cooper (sown 5 April 2006).

Variety	Yield	Height	Maturity	
	bu / a	inches	rating	Date
Armor GP 422	22.3	28	4.2	4 Aug
Armor GP 454	20.3	28	4.5	7 Aug
Armor GP 488	11.7	25	4.8	9 Aug
Armor GP 490	12.9	25	4.9	7 Aug
Asgrow AG 3906	15.3	21	3.9	1 Aug
Asgrow AG 4103	17.8	23	4.1	6 Aug
Asgrow AG 4404	16.2	24	4.4	2 Aug
Asgrow AG 4703	23.2	22	4.7	10 Aug
Asgrow AG 4903	14.8	25	4.9	10 Aug
DeltaGrow DG 3950	13.5	24	3.9	29 July
DeltaGrow DG 3960	17.7	27	3.9	1 Aug
DeltaGrow DG 4150	10.5	25	4.1	31 July
DeltaGrow DG 4460	14.8	28	4.4	2 Aug
DeltaGrow DG 4660	11.5	28	4.6	3 Aug
DeltaGrow DG 4770	22.0	27	4.7	6 Aug
DeltaGrow DG 4840	10.7	25	4.8	6 Aug
DeltaGrow DG 4860	11.2	27	4.8	29 July
DeltaGrow DG 4960	10.3	30	4.9	18 Aug
DeltaGrow DG 4970	14.8	30	4.9	8 Aug
DeltaGrow DG 4975	14.7	27	4.9	9 Aug
DeltaGrow DG 5160	10.8	27	5.1	28 July
DeltaGrow DG 5260	8.4	24	5.2	26 Aug
DeltaKing DK 4461	18.4	26	4.4	1 Aug
DeltaKing XTJ744	14.6	22	4.4	31 July
DeltaKing DK 4667	12.3	30	4.6	1 Aug
DeltaKing DK 4763	22.0	25	4.7	4 Aug
DeltaKing DK 4764	20.0	27	4.7	4 Aug
DeltaKing DK 4866	12.5	24	4.8	7 Aug
DeltaKing DK 4967	10.7	25	4.9	6 Aug
DeltaKing XTJ749	9.2	29	4.9	6 Aug
DeltaKing XTJ750	13.3	25	5.0	8 Aug
DeltaKing DK 5066	12.1	26	5.0	3 Aug
LSD (0.05)	5.8	3	-	8

Variety	Yield	Height	Maturity	
	bu / a	inches	rating	Date
DeltaKing DK 5161	17.2	26	5.1	23 Aug
DeltaKing DK 52K6	6.3	26	5.2	28 Aug
Deltapine DP 3861RR	16.5	24	3.8	26 July
Deltapine DP 4331RR	20.8	25	4.3	9 Aug
Deltapine DP 4546RR	15.7	31	4.5	10 Aug
Deltapine DP 4724RR	10.5	25	4.7	3 Aug
Deltapine DP 4919RS	16.5	31	4.9	11 Aug
Deltapine DP 5110S	13.8	33	5.1	11 Aug
Deltapine DP 5115RS	8.1	31	5.1	13 Aug
Deltapine DP 5414RR	5.2	32	5.4	29 Aug
Hornbeck R3824	13.5	28	3.8	2 Aug
Hornbeck R4623	13.7	30	4.6	10 Aug
Hornbeck R4724	15.1	27	4.7	8 Aug
Hornbeck HX4843	16.4	35	4.8	7 Aug
Hornbeck R4924	14.1	30	4.9	10 Aug
Hornbeck C4926	5.4	27	4.9	16 Aug
Hornbeck C5025	2.1	32	5.0	19 Aug
Hornbeck R5123	2.9	30	5.1	22 Aug
Hornbeck R5425	2.4	26	5.4	25 Aug
Ozark (U. Ark.)	9.3	24	5.2	28 Aug
Pioneer Br. P94M31	9.9	23	4.3	30 July
Pioneer Br. P94M70	14.6	28	4.7	2 Aug
Pioneer Br. P94M80	13.8	31	4.8	9 Aug
Progeny 4405	17.7	27	4.4	5 Aug
Progeny 4706	19.2	26	4.7	5 Aug
Progeny 4805	11.8	29	4.8	13 Aug
Progeny 4906	13.2	27	4.9	8 Aug
Progeny 4949	17.6	26	4.9	13 Aug
Progeny 5205	15.5	31	5.2	14 Aug
Progeny 5260	6.3	25	5.2	22 Aug
LSD (0.05)	5.8	3	-	8

Variety	Yield	Height	Maturity	
	bu / a	inches	rating	Date
R99-2512 (U. Ark.)	1.5	25	5	1 Sept
R00-1178F (U. Ark.)	11.6	28	5	12 Aug
R00-1551 (U. Ark.)	5.3	22	5	21 Aug
R01-330 (U. Ark.)	5.4	26	5	29 Aug
R01-1017 (U. Ark.)	8.7	27	4.8	9 Aug
R01-1025 (U. Ark.)	8.1	26	4.9	9 Aug
S00-9912-56 (U. Mo.)	12.4	25	5.2	28 Aug
S03-058 (U. Mo.)	8.7	27	4.4	1 Aug
S03-328CR (U. Mo.)	10.4	28	5.3	14 Aug
Syngenta NK S43-B1	13.2	27	4.3	26 July
Syngenta NK XR4669	21.4	31	4.6	7 Aug
Syngenta NK S49-Q9	14.7	29	4.9	9 Aug
Syngenta NK XR5068	9.3	29	5.0	7 Aug
Syngenta NK XR5168	13.1	30	5.1	12 Aug
Terral TVX39R017	17.6	24	3.9	6 Aug
Terral TV41R56	18.2	26	4.1	5 Aug
Terral TVX44R270	20.5	28	4.4	4 Aug
Terral TV45R14	12.3	33	4.5	4 Aug
Terral TV46R15	10.8	31	4.6	4 Aug
Terral TV47R017	12.5	34	4.7	17 Aug
Terral TV48R14	14.8	27	4.8	11 Aug
Terral TV49R017	10.1	34	4.9	8 Aug
Terral TV49R270	17.9	31	4.9	8 Aug
Terral TV52R14	6.0	26	5.2	21 Aug
TN04-369RR	4.4	28	5.5	28 Aug
TN04-503RR	13.6	34	4.4	6 Aug
TN04-504RR	12.0	36	4.5	12 Aug
TN04-506RR	16.5	35	4.6	6 Aug
TX05-43RR	13.7	27	4.3	3 Aug
UA4805 (U. Ark.)	11.1	18	4.8	22 Aug
LSD (0.05)	5.8	3	-	8