

Table 36. Results of the irrigated Roundup Ready Flex test at the Texas Agricultural Experiment Station, Halfway, TX, 2006.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-09-06	Storm Resistance
		Lint	Seed	Picked	Pulled						
Stoneville 4664RF	1829	31.2	48.4	40.4	31.0	5.1	10.7	7.4	27.9	91	2.6
FiberMax BCSX 2109F	1787	31.6	49.5	39.4	31.9	5.7	11.3	7.7	29.3	84	2.9
FiberMax 989	1740	29.7	49.7	39.1	29.5	5.6	10.9	7.3	30.1	84	2.6
FiberMax 9058F	1720	32.2	49.7	38.1	29.8	5.7	11.6	7.5	28.9	80	3.0
Stoneville 5327B2RF (tested as x0505B2RF)	1687	28.4	45.2	38.1	28.6	4.9	10.3	6.8	27.6	74	2.6
Stoneville 4427B2RF (tested as x0504B2RF)	1666	27.2	46.9	36.5	26.6	4.8	11.0	6.7	26.3	83	2.5
Stoneville 5283RF (tested as x0503RF)	1639	30.0	46.7	38.6	29.0	5.0	10.2	6.8	28.4	68	2.6
Deltapine 444 BG/RR	1587	30.2	44.5	39.4	32.3	5.4	10.5	7.2	29.3	83	2.5
Americot 1532B2RF	1575	29.0	50.3	37.6	28.1	5.0	10.8	6.8	28.0	82	2.7
Croplan Genetics 4020B2RF	1562	28.1	48.5	37.4	27.2	5.2	10.8	6.8	28.6	82	2.7
Deltapine 117 B2RF	1559	29.6	47.2	37.1	28.9	5.5	10.6	6.7	30.3	80	2.8
Stoneville 4554B2RF	1554	29.4	47.2	38.3	28.3	5.4	11.0	7.2	28.9	87	2.7
FiberMax BCSX 2001F	1534	29.3	47.3	38.4	30.4	5.7	10.9	7.1	30.6	84	2.9
Beltwide 2038B2RF	1526	26.9	46.5	37.0	26.8	4.7	10.3	6.4	27.4	79	2.7
Croplan Genetics 3020B2RF	1522	27.9	50.6	35.9	28.4	5.2	10.5	6.2	30.0	83	2.8
Dyna-Gro 2242 B2RF	1513	27.8	46.8	38.0	29.6	4.9	10.2	6.5	28.4	89	2.7
Beltwide 3255B2F	1512	27.6	46.9	36.6	28.7	5.5	11.0	6.7	30.1	82	2.7
Deltapine x04V294DF	1512	26.6	44.3	35.9	26.0	5.0	12.6	7.4	24.2	71	3.0
FiberMax 9063B2F	1510	29.7	47.7	37.1	30.3	6.7	12.5	7.7	32.2	91	2.9
All-Tex Apex B2/RF	1504	27.1	48.6	37.1	28.8	5.2	10.9	6.7	28.5	83	2.8
Deltapine x07H835DF	1492	29.4	48.7	38.0	28.3	4.9	12.0	7.7	24.0	89	3.0
All-Tex Summit B2/RF	1479	26.8	48.3	36.2	26.3	5.2	11.1	6.7	28.1	86	2.8
Stoneville NG2448R	1478	30.7	50.9	39.3	30.7	5.7	11.8	7.9	28.4	84	3.0
Phytogen 485 WRF	1476	27.0	49.6	35.7	26.4	4.5	9.9	5.8	27.6	71	2.7
Phytogen 425 RF	1469	27.6	49.0	35.4	28.6	4.9	10.5	6.1	28.3	82	2.5

Table 36. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-09-06	Storm Resistance
		Lint	Seed	Picked	Pulled						
Deltapine x04V282DF	1468	27.6	45.7	37.5	29.1	5.9	11.9	7.5	29.6	80	3.0
Croplan Genetics 3520B2RF	1451	26.3	44.7	37.7	29.6	4.8	10.0	6.3	28.8	77	2.7
AFD 5064F	1449	27.3	48.2	35.3	28.4	5.5	11.4	6.5	29.7	84	2.8
Americot 1504B2RF	1449	28.5	50.2	35.5	27.3	5.2	11.3	6.5	27.9	89	2.8
Stoneville 4357B2RF	1438	28.5	47.0	37.1	28.3	5.4	10.9	6.8	29.4	84	2.6
AFD 5065B2F	1436	27.0	51.7	34.4	27.5	5.4	11.6	6.3	29.6	88	2.8
Stoneville NG1572RF (tested as x0501RF)	1436	30.5	50.5	37.6	28.3	5.0	11.0	6.9	27.2	85	3.0
FiberMax 958	1431	29.1	46.2	39.9	31.6	5.9	11.9	8.2	28.6	82	2.9
Dyna-Gro 2520 B2RF	1418	28.2	50.1	37.7	28.4	5.1	10.8	6.9	28.0	85	2.7
FiberMax BCSX 3000B2F	1413	28.5	47.9	37.2	29.5	6.3	12.2	7.6	30.5	88	2.9
All-Tex Marathon B2/RF	1410	26.0	48.2	35.1	26.5	5.2	10.7	6.1	30.2	81	2.8
All-Tex Atlas	1401	26.7	49.3	33.2	25.3	5.5	12.0	6.2	29.3	85	3.0
Beltwide 4630B2F	1382	27.2	47.3	36.7	29.3	5.4	10.9	6.7	29.7	78	2.8
Stoneville 4700B2RF	1380	28.6	48.0	37.4	28.2	4.9	11.0	6.9	26.5	89	2.7
Beltwide 9775B2F	1374	24.6	47.7	34.3	25.4	5.2	11.4	6.2	28.6	89	2.5
Dyna-Gro 2100 B2RF	1353	26.3	45.3	36.3	28.6	5.5	11.0	6.6	30.4	79	2.8
Paymaster 2140 B2RF	1350	28.3	47.5	35.9	26.9	5.7	12.0	7.2	28.2	86	2.9
Beltwide 8245B2F	1333	27.7	53.3	33.6	27.4	5.9	11.2	6.0	33.3	92	2.8
H&W Genetex 557RF	1325	27.2	50.6	33.3	25.8	7.3	14.8	7.9	31.3	82	2.9
Beltwide X3552B2F	1324	27.1	51.7	35.5	29.1	5.8	10.8	6.2	32.9	78	2.8
Stoneville NG3273B2RF	1306	24.7	46.7	35.7	25.5	5.0	10.7	6.3	28.6	82	2.8
H&W Genetex 558RF	1298	25.9	45.2	35.1	25.6	6.9	14.4	8.2	29.6	73	2.8
H&W Genetex 551RF	1252	27.0	50.5	35.9	27.8	5.6	11.7	6.8	29.2	81	2.6
Beltwide 1505RF	1250	28.2	49.2	36.3	29.1	6.2	11.5	6.8	33.5	81	2.8
Stoneville NG3550RF	1235	25.6	46.5	36.0	28.7	5.6	11.4	6.7	30.0	78	2.8

Table 36. Cont.

Designation	Agronomic Properties										% Open 10-09-06	Storm Resistance
	Yield	% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls		
		Lint	Seed	Picked	Pulled							
H&W Genetex 540RF	1233	26.5	47.5	34.8	26.5	6.4	12.8	7.2	30.8	83	2.7	
Paymaster 145	1229	27.3	46.3	36.5	28.6	5.5	12.0	7.2	27.5	92	3.2	
Beltwide 4021B2F	1227	25.1	48.3	35.9	27.5	5.5	10.5	6.2	31.8	92	2.8	
All-Tex 45039 B2/RF	1206	25.8	50.8	36.5	30.6	6.6	12.0	7.0	35.0	77	3.0	
All-Tex 45014 B2/RF	1203	26.2	46.2	33.2	24.5	6.4	12.5	6.8	31.0	87	2.9	
H&W Genetex 548RF	1192	23.6	51.9	31.2	23.2	6.0	15.9	7.5	24.7	79	2.5	
H&W Genetex 544RF	1190	24.9	49.8	34.0	26.4	6.3	13.5	7.3	29.2	82	2.7	
All-Tex 45009 B2/RF	1182	26.1	47.8	34.1	25.3	6.5	12.6	6.9	32.1	82	3.1	
H&W Genetex 542RF	1157	23.5	50.6	31.3	23.2	6.7	14.2	6.9	30.3	69	2.9	
Beltwide X4130B2F	1027	22.2	47.9	32.3	25.1	6.3	13.7	7.6	26.9	84	2.9	
H&W Genetex 545RF	1006	23.0	46.2	32.8	24.4	6.0	12.4	6.5	30.0	71	2.8	
H&W Genetex 538RF	997	23.6	45.2	33.4	24.0	5.3	12.7	6.7	26.3	71	2.8	
H&W Genetex 553RF	938	23.5	51.3	31.0	22.4	6.7	15.8	7.4	28.0	85	2.5	
Mean	1406	27.4	48.2	36.1	27.7	5.6	11.6	6.9	29.1	82	2.8	
C.V.%	8.9	4.6	4.6	2.2	5.4	6.5	3.2	4.4	6.2	11.1	3.1	
LSD 0.05	146	2.1	3.7	1.3	2.5	0.6	0.6	0.5	3.0	11	0.1	

Table 36A. Results of the irrigated Roundup Ready Flex test at the Texas Agricultural Experiment Station, Halfway, TX, 2006.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Stoneville 4664RF	4.0	1.11	81.9	26.6	9.4	3	80.2	8.3	21-2	0.5740	1049.85	1
FiberMax BCSX 2109F	3.7	1.20	81.6	31.1	6.1	3	81.2	6.7	31-1	0.5675	1014.12	2
FiberMax 989	3.8	1.17	82.9	30.4	6.4	3	82.4	7.2	21-2,31-1	0.5640	981.36	4
FiberMax 9058F	3.9	1.20	81.9	28.8	6.2	3	82.6	7.3	21-1,31-1	0.5790	995.88	3
Stoneville 5327B2RF (tested as x0505B2RF)	3.7	1.14	82.7	27.9	7.6	3	79.9	8.8	21-1	0.5715	964.12	5
Stoneville 4427B2RF (tested as x0504B2RF)	4.1	1.17	82.9	26.3	6.6	3	80.6	7.6	31-1	0.5665	943.79	7
Stoneville 5283RF (tested as x0503RF)	3.7	1.14	82.8	29.0	7.4	3	80.8	8.0	21-1,21-2	0.5803	951.11	6
Deltapine 444 BG/RR	3.7	1.13	83.2	27.1	7.4	3	82.1	7.3	21-2,31-1	0.5775	916.49	8
Americot 1532B2RF	3.8	1.19	81.3	25.6	7.1	3	81.8	7.6	21-1,31-1	0.5715	900.11	9
Croplan Genetics 4020B2RF	3.7	1.19	81.3	25.1	7.6	3	82.1	7.6	21-1,21-2	0.5648	882.22	12
Deltapine 117 B2RF	4.0	1.17	82.9	32.7	7.0	4	78.8	7.5	31-2	0.5583	870.39	14
Stoneville 4554B2RF	4.2	1.13	81.8	26.1	9.1	3	80.6	8.4	21-1,21-2	0.5718	888.58	11
FiberMax BCSX 2001F	4.0	1.24	82.3	28.6	7.0	3	83.4	6.8	21-2	0.5810	891.25	10
Beltwide 2038B2RF	3.8	1.15	82.1	25.5	8.0	4	81.1	7.4	31-1	0.5565	849.22	18
Croplan Genetics 3020B2RF	4.1	1.15	83.1	23.8	8.4	3	82.8	7.0	21-1,21-2	0.5660	861.45	15
Dyna-Gro 2242 B2RF	4.2	1.17	82.6	26.3	8.1	3	80.3	7.3	31-1,31-2	0.5680	859.38	17
Beltwide 3255B2F	4.0	1.13	82.1	24.0	7.9	3	82.6	7.6	21-1,21-2	0.5693	860.78	16
Deltapine x04V294DF	4.8	1.09	82.6	26.2	8.6	3	81.4	7.2	31-1	0.5500	831.60	19
FiberMax 9063B2F	4.4	1.22	83.1	30.4	6.9	3	82.8	7.0	21-1,21-2	0.5840	881.84	13
All-Tex Apex B2/RF	3.4	1.18	80.4	23.1	7.7	3	81.8	7.4	21-2,31-1	0.5395	811.41	29
Deltapine x07H835DF	4.2	1.15	83.7	27.6	7.8	4	79.9	6.4	31-2,41-1	0.5458	814.33	27
All-Tex Summit B2/RF	3.6	1.12	81.8	22.4	8.4	3	82.9	7.4	21-1	0.5525	817.15	26
Stoneville NG2448R	4.2	1.10	82.1	31.2	7.7	3	80.3	7.4	31-1,31-2	0.5593	826.65	22
Phytogen 485 WRF	3.7	1.16	83.8	27.3	8.4	4	79.1	7.6	31-1	0.5355	790.40	36
Phytogen 425 RF	3.8	1.16	82.6	27.8	7.8	4	79.4	7.7	31-1	0.5318	781.21	39

Table 36A. Cont.

Designation	Micro-	Uni-	Elon-	Leaf	Rd	+b	Color	Loan	Gross Loan Value per Acre			
	naire	Length	formity	Strength			gation	Index	Grade ^{1/}	Value	\$	Rank
Deltapine x04V282DF	4.3	1.10	82.6	27.5	7.6	3	81.1	7.5	21-2,31-1	0.5658	830.59	21
Croplan Genetics 3520B2RF	4.0	1.16	82.2	24.7	8.1	3	81.0	7.2	21-2,31-2	0.5640	818.36	24
AFD 5064F	4.4	1.11	82.8	28.3	7.3	4	79.9	7.4	31-1	0.5475	793.33	34
Americot 1504B2RF	3.9	1.12	82.0	25.9	7.7	3	81.6	7.1	31-1	0.5615	813.61	28
Stoneville 4357B2RF	3.9	1.16	81.8	24.1	8.3	3	81.2	7.8	21-1,31-1	0.5630	809.59	30
AFD 5065B2F	4.6	1.16	81.5	27.4	8.5	3	82.1	7.2	21-2,31-1	0.5745	824.98	23
Stoneville NG1572RF (tested as x0501RF)	3.4	1.16	82.3	28.8	6.8	3	81.4	3.1	31-2	0.5525	793.39	33
FiberMax 958	3.8	1.17	82.6	31.5	6.3	3	82.4	6.9	21-2,31-1	0.5718	818.25	25
Dyna-Gro 2520 B2RF	3.9	1.19	82.4	24.4	7.4	3	82.0	7.6	21-1,21-2	0.5655	801.88	31
FiberMax BCSX 3000B2F	3.9	1.20	82.7	30.8	6.6	3	83.4	7.2	21-1,21-2	0.5880	830.84	20
All-Tex Marathon B2/RF	3.5	1.16	81.7	24.8	7.8	3	82.8	7.3	21-1,21-2	0.5628	793.55	32
All-Tex Atlas	4.4	1.11	83.1	29.0	8.3	4	80.4	7.2	31-1,31-2	0.5583	782.18	37
Beltwide 4630B2F	3.8	1.18	81.7	25.6	7.3	3	82.6	7.6	21-1,21-2	0.5595	773.23	41
Stoneville 4700B2RF	4.0	1.16	82.5	25.5	8.1	3	81.0	7.6	31-1	0.5665	781.77	38
Beltwide 9775B2F	4.1	1.21	83.7	26.9	7.7	3	82.4	7.0	31-1	0.5765	792.11	35
Dyna-Gro 2100 B2RF	4.0	1.14	82.6	25.3	8.2	3	82.5	7.4	21-1,21-2	0.5730	775.27	40
Paymaster 2140 B2RF	3.9	1.14	82.3	29.2	7.0	4	80.6	6.8	31-1,31-2	0.5628	759.78	43
Beltwide 8245B2F	3.7	1.13	80.6	26.7	6.7	3	82.8	6.6	31-1	0.5320	709.16	48
H&W Genetex 557RF	4.7	1.19	83.0	27.8	6.7	3	81.8	7.6	21-2	0.5808	769.56	42
Beltwide X3552B2F	3.3	1.18	81.3	29.1	6.8	3	81.7	6.9	31-1	0.5400	714.96	46
Stoneville NG3273B2RF	3.3	1.16	81.9	24.0	7.2	3	83.0	7.5	21-1	0.5340	697.40	51
H&W Genetex 558RF	4.1	1.18	83.8	31.5	7.3	3	81.5	7.5	21-2,31-1	0.5823	755.83	44
H&W Genetex 551RF	4.4	1.14	82.9	31.0	7.2	3	80.0	7.5	31-1	0.5765	721.78	45
Beltwide 1505RF	3.7	1.14	82.0	30.8	6.8	3	81.7	7.4	21-2,31-1	0.5718	714.75	47
Stoneville NG3550RF	4.2	1.15	81.9	27.9	7.8	3	79.9	7.5	31-1,31-2	0.5705	704.57	49

Table 36A. Cont.

Micro-	Uni-	Elon-	Leaf	Color	Loan	Gross Loan Value per Acre
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Designation	naire	Length	formity	Strength	gation	Index	Rd	+b	Grade ^{1/}	Value	\$	Rank
H&W Genetex 540RF	4.2	1.11	83.2	29.5	7.1	3	81.2	7.2	31-1	0.5713	704.41	50
Paymaster 145	4.1	1.06	81.1	28.1	7.2	4	79.5	3.5	31-2	0.5270	647.68	58
Beltwide 4021B2F	3.4	1.16	82.2	25.3	7.8	3	82.6	7.0	21-2	0.5508	675.83	55
All-Tex 45039 B2/RF	4.2	1.12	81.5	27.5	7.6	3	81.5	7.4	31-1	0.5705	688.02	53
All-Tex 45014 B2/RF	4.5	1.12	83.2	32.5	7.8	4	78.3	6.9	31-2,41-1	0.5453	656.00	56
H&W Genetex 548RF	4.7	1.15	83.7	28.6	6.8	3	81.7	7.5	21-2,31-1	0.5820	693.74	52
H&W Genetex 544RF	3.9	1.15	81.9	30.2	6.5	4	80.7	6.8	31-1,31-2	0.5303	631.06	59
All-Tex 45009 B2/RF	4.1	1.12	83.2	30.4	8.2	3	80.9	7.5	31-1	0.5755	680.24	54
H&W Genetex 542RF	3.5	1.20	83.4	31.6	6.5	3	81.8	7.3	21-1,31-1	0.5658	654.63	57
Beltwide X4130B2F	3.4	1.20	82.4	28.1	6.9	4	81.6	6.0	31-2	0.5053	518.94	63
H&W Genetex 545RF	3.4	1.19	82.3	33.0	6.2	3	80.5	7.4	31-1	0.5328	536.00	62
H&W Genetex 538RF	4.5	1.19	81.9	31.4	6.1	3	80.4	7.3	21-2,31-2	0.5820	580.25	60
H&W Genetex 553RF	4.0	1.24	83.9	31.6	6.3	3	81.2	6.7	31-1,31-2	0.5835	547.32	61
Mean	3.9	1.16	82.4	27.9	7.4	3	81.3	7.2		0.5620		
C.V.%	12.0	1.5	1.1	4.7	4.3	12.1	0.8	12.3		4.0		
LSD 0.05	0.8	0.03	1.5	2.2	0.5	1	1.0	1.5		0.0324		

^{1/} Fiber quality determinations are made on samples from two reps. If the color grades from these two samples are identical, only one color grade is reported. If they are different, both are reported.