

Table 46. Results of the irrigated Roundup Ready Flex cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2005.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 09-15-05	Storm Resistance
		Lint	Seed	Picked	Pulled						
FiberMax 958	1080	30.7	42.7	40.7	30.2	5.0	9.8	7.1	28.4	39	2.9
Stoneville 5599BR	1031	31.6	44.5	40.5	31.0	4.8	9.2	6.6	29.6	10	2.5
Deltapine 494 RR	1028	31.0	43.0	41.4	31.6	4.6	8.4	6.4	29.7	29	2.5
Stoneville NG3550 RF	997	30.2	43.3	38.4	28.4	4.3	9.4	6.3	26.1	39	2.7
Dyna-Gro 2520 B2RF	978	29.5	42.4	38.8	27.9	4.3	8.8	6.0	28.0	19	2.3
Stoneville 4554 B2RF	965	30.3	42.3	39.1	29.2	4.7	9.2	6.3	29.0	15	2.1
Deltapine 434 RR	958	31.3	42.3	42.4	31.2	4.3	8.7	6.8	27.0	22	2.7
AFD 5820 B2RF	937	28.3	43.4	38.1	27.5	4.4	9.0	6.0	27.9	38	2.4
Croplan Genetics 4020 B2RF	936	29.6	43.0	39.8	28.5	4.2	8.9	6.2	27.0	29	2.4
Stoneville NG2448R	929	30.2	46.3	37.8	27.9	4.9	9.7	6.1	29.9	29	3.1
Deltapine 143 B2RF (Tested as x04X419 DF)	925	30.8	38.6	40.8	29.7	3.7	7.7	5.7	26.5	14	2.4
Deltapine 147 RF (Tested as x04X462 F)	922	31.0	43.6	40.0	29.5	4.8	8.3	5.9	32.0	28	2.6
Stoneville 4664 RF	922	29.5	40.8	40.0	28.8	3.9	8.2	5.8	26.2	19	2.4
Deltapine 555 BG/RR	916	32.9	42.8	41.2	31.5	4.0	7.5	5.7	28.8	9	2.2
Dyna-Gro 2100 B2RF	909	29.4	43.9	36.4	25.7	4.3	9.4	5.7	27.3	39	2.4
All-Tex Atlas	897	26.7	45.9	37.5	27.3	5.1	10.2	6.4	29.7	42	3.0
Stoneville x5885 B2RF	885	28.3	44.8	38.1	27.3	4.0	8.1	5.3	28.6	19	2.0
Stoneville 474	883	29.6	39.2	42.0	31.7	4.8	9.1	7.0	28.6	18	2.4
PhytoGen 485 WRF	872	27.9	41.0	38.1	26.7	4.0	8.4	5.7	26.3	43	2.1
Stoneville 4357 B2RF (Tested as x0509B2F)	870	29.4	42.0	39.1	28.3	4.3	9.3	6.3	26.9	30	2.4
Dyna-Gro 2242 B2RF	868	27.9	41.9	39.0	28.2	4.0	8.6	6.0	26.0	27	2.3
Deltapine 167 RF (Tested as x04T159 F)	862	29.1	43.9	38.7	28.6	4.4	8.6	5.7	29.3	10	2.4
PhytoGen 425 RF	859	28.1	42.3	38.0	27.5	4.1	8.4	5.7	27.2	32	2.1
AFD 5819 B2RF	854	27.2	44.5	37.5	27.6	4.5	9.2	5.9	28.3	30	2.6
PhytoGen 475 WRF	848	28.7	40.4	40.2	28.6	4.0	8.6	6.3	25.5	17	2.4

Table 46. Cont

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-18-05	Resistance
PhytoGen 415 RF	832	27.8	40.4	39.6	28.2	4.2	8.9	6.4	25.7	34	1.9
Croplan Genetics 3020 B2RF	831	29.1	44.7	39.4	28.5	4.4	9.0	6.1	27.9	24	2.5
Croplan Genetics 3520 B2RF	823	27.3	42.7	38.8	27.5	4.0	8.7	6.2	25.3	35	2.4
Beltwide Cotton Genetics X-0105	821	27.4	46.7	36.6	27.4	4.2	9.5	5.7	27.4	26	2.7
Deltapine 152 RF (Tested as x04X495 F)	819	30.2	45.0	38.9	29.1	4.3	9.1	6.1	27.6	30	2.2
Stoneville 5007 B2RF (Tested as x0510 B2F)	815	25.8	42.5	36.5	25.1	3.8	9.2	5.7	24.3	35	2.2
Deltapine 156 B2RF (Tested as x04X436 DF)	803	28.9	44.9	39.0	29.8	4.3	8.8	6.0	28.0	23	2.7
FiberMax 5013	789	26.7	44.5	37.3	26.8	5.2	9.8	6.3	30.9	40	3.0
PhytoGen 125 RF	788	25.9	45.1	36.0	25.9	5.0	10.4	6.2	28.8	52	2.9
Deltapine 164 B2RF (Tested as x04T126 DF)	786	29.2	41.4	38.3	28.3	4.4	8.5	5.7	29.8	9	2.6
Dyna-Gro 2215 B2RF	771	28.1	47.1	38.0	28.5	4.9	9.1	5.9	31.3	19	2.7
Beltwide Cotton Genetics X-0405	760	25.7	41.4	37.3	26.2	4.6	10.5	6.6	26.0	34	2.6
All-Tex 45041 RF	750	26.5	40.8	37.4	26.5	5.8	10.9	8.5	25.6	21	3.0
Beltwide Cotton Genetics X-0205	709	27.1	45.7	36.0	25.7	4.4	9.1	5.4	29.1	53	2.6
Beltwide Cotton Genetics X-1505	689	29.0	45.3	37.9	27.6	4.9	10.2	6.5	28.5	24	2.6
Mean	873	28.8	43.2	38.7	28.3	4.4	9.0	6.1	27.9	27	2.5
C.V.%	9.7	3.9	4.1	2.0	2.8	7.8	3.2	6.9	7.1	44.3	6.0
LSD 0.05	99	1.9	3.0	1.3	1.3	0.6	0.5	0.7	3.3	14	0.2

Table 46A. Results of the dryland Roundup Ready Flex test at the Texas Agricultural Experiment Station, Lubbock, TX, 2005.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
											\$	Rank
FiberMax 958	4.1	1.12	81.7	30.8	4.9	2	75.4	8.6	31-2,31-4	0.5700	615.60	1
Stoneville 5599BR	4.4	1.05	80.1	28.4	5.5	2	73.6	9.5	31-4,32-2	0.5175	533.54	6
Deltapine 494 RR	4.2	1.11	81.3	29.6	6.9	2	74.1	9.1	31-4	0.5678	583.70	2
Stoneville NG3550 RF	4.1	1.09	81.0	29.9	7.4	3	75.4	8.8	31-3,31-4	0.5633	561.61	3
Dyna-Gro 2520 B2RF	4.2	1.11	80.4	26.7	6.8	2	75.5	9.3	31-3,31-4	0.5645	552.08	4
Stoneville 4554 B2RF	4.3	1.08	81.0	29.2	9.5	3	74.5	9.4	31-3,32-2	0.5408	521.87	9
Deltapine 434 RR	4.2	1.09	80.8	27.4	8.2	1	76.0	9.0	21-2,31-4	0.5643	540.60	5
AFD 5820 B2RF	3.8	1.06	81.1	26.3	7.7	2	74.8	9.3	31-3,32-2	0.5310	497.55	13
Croplan Genetics 4020 B2RF	4.1	1.10	80.0	26.7	7.5	2	74.0	9.4	31-3,31-4	0.5625	526.50	7
Stoneville NG2448R	4.2	1.08	82.9	31.3	7.1	2	74.3	9.5	31-4,32-1	0.5448	506.12	10
Deltapine 143 B2RF (Tested as x04X419 DF)	4.1	1.05	79.8	28.1	6.4	1	76.9	9.0	21-4,31-3	0.5340	493.95	14
Deltapine 147 RF (Tested as x04X462 F)	3.8	1.11	79.7	29.6	5.5	2	75.8	8.8	31-3,31-4	0.5668	522.59	8
Stoneville 4664 RF	4.3	1.07	81.9	29.0	9.6	3	74.6	9.4	31-3,31-4	0.5403	498.16	12
Deltapine 555 BG/RR	4.0	1.06	78.8	28.0	5.3	2	77.9	8.5	31-1	0.5380	492.81	16
Dyna-Gro 2100 B2RF	4.2	1.07	81.9	26.5	8.0	1	75.1	9.3	31-4,31-3	0.5408	491.59	17
All-Tex Atlas	4.3	1.03	81.6	29.5	7.7	2	74.7	9.1	31-3,31-4	0.5228	468.95	19
Stoneville x5885 B2RF	4.2	1.13	80.9	30.1	7.7	1	74.8	9.2	31-4	0.5718	506.04	11
Stoneville 474	4.4	1.05	82.2	27.5	7.1	2	72.6	9.7	32-2	0.5110	451.21	28
PhytoGen 485 WRF	4.5	1.07	82.1	28.4	8.8	4	69.3	9.3	42-1,42-2	0.4970	433.38	32
Stoneville 4357 B2RF (Tested as x0509B2F)	4.2	1.10	79.8	26.4	7.5	2	75.1	9.6	31-3,32-1	0.5490	477.63	18
Dyna-Gro 2242 B2RF	4.0	1.10	81.8	26.5	8.3	3	72.1	9.1	41-3,42-1	0.5235	454.40	26
Deltapine 167 RF (Tested as x04T159 F)	4.0	1.13	81.4	30.2	6.0	1	76.6	8.8	31-2,31-3	0.5730	493.93	15
PhytoGen 425 RF	4.6	1.09	82.7	29.4	8.9	4	68.8	9.2	41-4,52-1	0.5070	435.51	31
AFD 5819 B2RF	3.7	1.06	79.7	26.7	7.6	2	76.0	9.1	31-3,31-4	0.5388	460.14	23
PhytoGen 475 WRF	4.4	1.06	82.4	28.3	9.2	3	71.8	9.1	41-3	0.5150	436.72	30

Table 46A. Cont.

Designation	Micro-		Uni-		Elon-	Leaf		Color	Loan	Gross Loan Value per Acre		
	naire	Length	formity	Strength		gation	Index			Rd	+b	Grade ^{1/}
PhytoGen 415 RF	4.3	1.04	81.8	27.2	8.7	2	72.3	9.8	32-2	0.5008	416.67	35
Croplan Genetics 3020 B2RF	4.0	1.07	82.1	26.2	7.8	1	76.1	9.3	31-3	0.5433	451.48	27
Croplan Genetics 3520 B2RF	3.9	1.10	81.0	26.3	8.5	3	73.9	9.3	31-4	0.5653	465.24	21
Beltwide Cotton Genetics X-0105	3.4	1.10	79.8	28.1	6.3	2	77.2	9.1	21-4,31-3	0.5535	454.42	25
Deltapine 152 RF (Tested as x04X495 F)	4.0	1.09	79.7	29.7	6.1	1	76.0	8.5	31-1,31-4	0.5638	461.75	22
Stoneville 5007 B2RF (Tested as x0510 B2F)	4.1	1.15	82.1	28.4	7.7	2	74.2	9.2	31-4	0.5715	465.77	20
Deltapine 156 B2RF (Tested as x04X436 DF)	3.9	1.11	81.0	29.2	6.3	2	78.0	8.2	31-1	0.5718	459.16	24
FiberMax 5013	4.6	1.05	82.1	29.8	7.1	3	74.3	8.6	41-3	0.5180	408.70	37
PhytoGen 125 RF	4.2	1.07	82.7	29.6	7.4	2	74.8	8.6	31-4,41-3	0.5373	423.39	34
Deltapine 164 B2RF (Tested as x04T126 DF)	4.0	1.10	80.0	28.1	6.4	1	77.1	8.9	31-3	0.5645	443.70	29
Dyna-Gro 2215 B2RF	3.7	1.10	80.7	26.6	7.6	1	77.0	9.0	31-3	0.5613	432.76	33
Beltwide Cotton Genetics X-0405	3.6	1.14	81.3	28.8	5.6	3	73.4	8.8	41-3	0.5420	411.92	36
All-Tex 45041 RF	4.4	1.07	82.7	31.2	6.9	2	73.1	8.9	31-4,41-3	0.5380	403.50	38
Beltwide Cotton Genetics X-0205	3.8	1.11	81.3	28.3	5.4	3	75.2	8.3	31-2,41-1	0.5543	393.00	39
Beltwide Cotton Genetics X-1505	4.1	1.07	81.6	30.8	5.5	2	75.8	9.2	31-3	0.5558	382.95	40
Mean	4.1	1.08	81.2	28.4	7.2	2	74.7	9.0		0.5450		
C.V.%	4.1	1.3	0.9	2.3	5.1	26.7	1.4	2.7		2.9		
LSD 0.05	0.3	0.02	1.2	1.1	0.6	1	1.8	0.4		0.0262		

^{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.