

Table 38. Results of the irrigated Roundup Ready Flex test at the Texas Agricultural Experiment Station, Halfway, TX, 2005.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 11-04-05	Storm Resistance
		Lint	Seed	Picked	Pulled						
Paymaster 2140 B2RF (Tested as Deltapine X04H205 DF)	1566	26.0	46.2	36.1	27.0	5.3	11.7	7.0	27.2	80	3.2
Atlas RR	1482	24.3	46.5	34.7	26.1	6.3	12.1	6.7	32.5	50	3.1
Deltapine X04V342 F	1474	24.5	44.8	35.1	25.9	5.6	11.6	6.6	29.5	66	2.9
Stoneville 4664 RF	1470	28.3	44.9	38.3	29.9	5.5	10.5	6.8	30.9	43	2.3
Beltwide Cotton Genetics X-2038	1458	24.0	42.0	35.9	27.6	4.6	9.8	5.8	28.7	66	2.6
PhytoGen 475 WRF	1448	26.0	46.5	36.6	27.4	5.1	10.4	6.3	29.4	49	2.5
Paymaster 2280 BG/RR	1444	24.9	46.8	34.7	27.5	6.1	10.8	6.0	35.4	80	3.0
Croplan Genetics 3520 B2RF	1425	23.7	41.8	36.8	28.2	4.5	10.0	6.1	27.2	64	2.4
AFD 5820 B2RF	1398	23.2	43.6	35.8	26.3	5.1	10.8	6.3	29.2	58	2.7
Deltapine 113 B2RF (Tested as X04Z503 DF)	1376	23.5	40.1	36.6	28.3	5.6	10.8	6.6	31.6	65	2.5
Beltwide Cotton Genetics 3255 B2RF	1370	23.6	44.0	35.5	26.0	4.9	10.2	5.8	30.1	56	2.6
Stoneville NG2448 R	1360	24.7	43.8	36.7	28.2	5.6	11.0	6.7	30.5	53	3.2
Croplan Genetics 3020 B2RF	1349	23.9	44.0	35.5	24.9	4.6	9.5	5.5	29.8	54	2.5
All-Tex 55066 B2/RF	1341	23.4	42.4	35.9	27.7	4.6	9.9	5.8	28.2	46	2.6
FiberMax 958	1339	25.1	40.5	38.7	29.3	5.6	11.1	8.5	25.8	58	2.9
Dyna-Gro 2242 B2RF	1336	24.0	42.7	35.4	24.8	4.0	9.3	5.6	25.5	61	2.4
Deltapine 117 B2RF (Tested as X04Z600 DF)	1333	24.3	41.4	36.8	27.9	5.2	10.7	6.6	29.4	47	2.6
Beltwide Cotton Genetics 4630 B2RF (Tested as X-9124)	1302	22.6	43.9	34.9	26.2	5.1	10.0	5.6	31.3	34	2.6
Dyna-Gro 2520 B2RF	1299	23.9	44.6	35.4	27.8	4.9	10.1	5.9	29.7	51	2.5
All-Tex Atlas	1299	22.4	44.9	33.7	25.2	5.8	12.5	6.7	29.2	64	3.1
Paymaster 2266 RR	1292	23.4	44.7	33.4	25.1	6.3	12.3	6.6	32.1	60	3.2
Beltwide Cotton Genetics X-4021	1286	23.7	44.2	34.5	26.0	5.1	10.2	5.6	31.1	48	2.8
All-Tex 45039 B2/RF	1270	22.9	48.6	32.2	24.8	6.0	10.7	5.4	36.0	64	3.4
AFD 5819 B2RF	1252	24.9	49.4	34.7	24.7	4.7	10.4	5.9	27.6	53	2.7
Paymaster 183	1249	24.1	49.6	33.9	27.6	7.1	11.4	6.2	39.4	71	3.9
Stoneville NG3550 RF	1227	24.3	44.1	35.9	26.9	5.2	11.3	6.7	27.8	61	2.9
All-Tex Apex B2RF (Tested as 55033 B2/RF)	1218	22.5	43.0	35.0	26.3	4.6	10.4	5.8	27.5	63	2.5
PhytoGen 415 RF	1215	23.9	43.4	36.8	27.3	5.4	10.0	6.1	32.3	51	2.6
Deltapine 432 RR	1206	21.5	39.2	36.6	29.0	5.3	10.5	6.3	30.7	58	2.5
Beltwide Cotton Genetics X-1505	1183	21.9	43.5	36.8	26.9	6.1	10.8	6.5	34.2	57	2.8

Table 38. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 11-04-05	Storm Resistance
		Lint	Seed	Picked	Pulled						
Beltwide Cotton Genetics X-8391	1175	20.3	42.1	33.8	24.6	5.3	10.6	5.7	31.3	61	2.4
Stoneville 4357 B2RF (Tested as x0509 B2F)	1169	21.9	43.1	34.2	25.3	4.8	10.5	5.8	28.3	45	2.6
All-Tex 45041 RF	1161	24.5	43.1	35.1	26.0	6.0	12.3	7.1	29.8	66	3.1
Croplan Genetics 4020 B2RF	1159	22.9	41.5	34.6	25.0	4.3	10.1	5.5	26.7	29	2.7
Dyna-Gro 2215 B2RF	1159	22.6	35.2	34.3	25.0	4.7	10.6	5.9	27.4	49	2.5
PhytoGen 425 RF	1158	22.8	43.4	35.6	25.6	4.4	10.0	5.8	27.0	46	2.4
Stoneville 4554 B2RF	1154	23.3	42.1	36.7	27.9	5.0	10.4	6.3	29.6	27	2.7
FiberMax 5013	1140	23.7	44.8	35.3	26.5	6.5	12.1	6.8	33.7	50	3.2
H&W 524 RF	1139	23.5	46.6	32.4	24.6	8.0	14.3	7.1	36.2	46	2.6
Deltapine 444 BG/RR	1134	21.3	40.5	35.2	25.9	5.8	12.4	7.0	29.2	45	3.1
Deltapine 110 RF (Tested as X04Z603 F)	1116	23.0	39.6	38.0	27.8	5.5	10.4	6.8	30.9	56	2.7
Beltwide Cotton Genetics X-0205	1099	21.8	42.6	34.2	25.9	5.6	11.0	6.1	31.0	55	2.6
PhytoGen 125 RF	1097	22.7	46.4	32.8	23.0	6.0	11.0	6.0	33.1	39	2.9
Dyna-Gro 2100 B2RF	1091	20.9	41.8	34.6	23.1	4.3	9.8	5.6	26.9	48	2.5
Deltapine 108 RF (Tested as X04Z602 F)	1084	23.2	38.7	37.6	29.9	5.3	10.4	6.5	30.3	48	2.6
PhytoGen 485 WRF	1081	21.4	34.0	35.7	26.3	4.6	9.9	5.9	27.7	59	2.3
Deltapine X04V405 DF	1066	22.2	38.6	37.9	28.6	5.1	10.4	6.7	29.3	39	2.5
Beltwide Cotton Genetics 4630 B2RF	1062	21.1	39.6	34.8	25.6	4.8	10.1	5.7	28.8	43	2.5
Beltwide Cotton Genetics X-0405	1047	20.5	42.2	33.7	25.2	6.2	12.6	6.6	31.2	59	2.7
Beltwide Cotton Genetics X-0105	1039	22.5	45.4	34.2	27.0	5.2	11.1	6.0	29.6	59	2.6
Stoneville 5007 B2RF (Tested as x0510 B2F)	961	19.5	42.9	32.9	24.4	4.7	10.7	5.7	27.3	44	2.3
Mean	1246	23.2	43.1	35.3	26.4	5.3	10.8	6.2	30.1	54	2.7
C.V.%	8.4	7.2	6.8	2.1	6.4	8.1	3.6	6.1	8.9	24.8	7.8
LSD 0.05	122	2.8	4.9	1.2	2.8	0.7	0.7	0.6	4.5	16	0.2

Table 38A. Results of the irrigated Roundup Ready Flex test at the Texas Agricultural Experiment Station, Halfway, 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
Paymaster 2140 B2RF (Tested as Deltapine X04H205 DF)	3.4	1.11	81.4	27.4	7.0	3	78.3	7.3	31-2	0.5488	859.42	1
Atlas RR	3.5	1.10	80.2	25.5	7.1	2	79.5	7.9	21-2,31-1	0.5408	801.47	5
Deltapine X04V342 F	3.6	1.12	83.0	26.3	8.0	2	77.2	8.5	31-2,31-3	0.5583	822.93	2
Stoneville 4664 RF	3.5	1.11	80.7	25.4	9.2	2	75.2	10.2	21-4,22-2	0.5458	802.33	4
Beltwide Cotton Genetics X-2038	3.2	1.13	81.5	24.9	8.6	3	77.6	8.4	31-1	0.5185	755.97	8
PhytoGen 475 WRF	3.2	1.13	81.4	26.1	8.6	2	76.2	9.6	21-4,31-3	0.5390	780.47	6
Paymaster 2280 BG/RR	3.3	1.13	81.7	27.7	8.1	1	80.0	8.3	21-2	0.5570	804.31	3
Croplan Genetics 3520 B2RF	3.1	1.14	81.0	24.8	8.5	2	78.8	8.7	21-2,21-4	0.5220	743.85	10
AFD 5820 B2RF	2.8	1.09	80.7	24.8	7.2	2	80.1	8.8	21-1	0.4905	685.72	18
Deltapine 113 B2RF (Tested as X04Z503 DF)	3.0	1.18	80.5	28.9	5.8	2	76.3	8.6	31-2,31-3	0.5188	713.87	12
Beltwide Cotton Genetics 3255 B2RF	2.8	1.11	80.5	24.0	7.9	1	79.6	8.8	21-1,21-3	0.4945	677.46	20
Stoneville NG2448 R	3.5	1.12	82.7	27.4	7.9	2	79.8	8.2	21-2	0.5678	772.21	7
Croplan Genetics 3020 B2RF	2.9	1.11	82.1	25.1	8.1	1	80.5	8.1	21-2	0.5055	681.92	19
All-Tex 55066 B2/RF	3.2	1.13	80.0	23.8	9.3	3	78.3	8.4	21-2,31-1	0.5185	695.31	14
FiberMax 958	3.5	1.17	81.4	27.9	5.9	2	79.2	8.1	21-2,31-1	0.5643	755.60	9
Dyna-Gro 2242 B2RF	2.9	1.11	79.7	23.4	8.7	2	76.3	9.6	12-2,31-2	0.4745	633.93	30
Deltapine 117 B2RF (Tested as X04Z600 DF)	2.9	1.18	81.3	28.9	6.1	3	75.7	8.6	31-3,31-4	0.5183	690.89	15
Beltwide Cotton Genetics 4630 B2RF (Tested as X-9124)	2.9	1.16	80.3	24.8	7.6	1	79.2	8.7	21-2	0.5015	652.95	24
Dyna-Gro 2520 B2RF	2.9	1.15	80.4	25.1	7.1	1	78.8	9.0	21-2,21-3	0.5198	675.22	21
All-Tex Atlas	3.9	1.09	83.8	27.3	8.3	2	78.0	8.7	21-4,31-1	0.5685	738.48	11
Paymaster 2266 RR	3.2	1.09	82.0	25.5	7.9	2	79.1	8.8	21-1,21-4	0.5333	689.02	16
Beltwide Cotton Genetics X-4021	2.9	1.13	80.5	24.7	8.0	1	81.8	8.0	21-1	0.5145	661.65	23
All-Tex 45039 B2/RF	3.3	1.12	81.6	27.3	7.5	2	79.8	8.0	21-1,31-1	0.5408	686.82	17
AFD 5819 B2RF	2.7	1.11	79.7	24.1	8.1	2	79.5	8.8	21-1,21-3	0.4843	606.34	34
Paymaster 183	3.8	1.03	82.1	24.7	8.0	2	79.0	8.6	21-2	0.5100	636.99	29
Stoneville NG3550 RF	3.6	1.15	81.2	27.7	8.1	2	79.8	8.1	21-2	0.5768	707.73	13
All-Tex Apex B2RF (Tested as 55033 B2/RF)	2.8	1.12	79.2	24.7	7.5	2	79.2	8.7	21-1,21-2	0.4970	605.35	36
PhytoGen 415 RF	3.4	1.11	81.8	25.4	8.5	2	74.6	9.5	31-3,32-1	0.5263	639.45	28
Deltapine 432 RR	3.0	1.10	81.6	26.2	9.5	2	76.8	9.2	21-2,31-3	0.5070	611.44	32
Beltwide Cotton Genetics X-1505	3.0	1.12	81.3	26.8	6.2	1	79.2	8.9	21-1,21-3	0.5255	621.67	31

Table 38A. Cont.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Beltwide Cotton Genetics X-8391	2.7	1.18	79.8	25.2	7.4	2	78.3	9.3	21-1,21-3	0.4885	573.99	42
Stoneville 4357 B2RF (Tested as x0509 B2F)	2.8	1.15	80.4	25.1	7.5	2	77.3	9.5	21-3,31-3	0.4965	580.41	40
All-Tex 45041 RF	3.7	1.12	83.3	28.8	7.4	2	77.1	8.0	31-2	0.5723	664.44	22
Croplan Genetics 4020 B2RF	3.0	1.12	79.7	25.0	6.9	2	78.0	8.9	21-4,31-1	0.5085	589.35	38
Dyna-Gro 2215 B2RF	2.7	1.12	79.9	23.9	7.8	1	79.3	8.6	21-1,21-2	0.4843	561.30	44
PhytoGen 425 RF	3.5	1.15	82.7	27.1	8.7	2	74.3	10.2	23-2,31-3	0.5210	603.32	37
Stoneville 4554 B2RF	3.1	1.12	80.1	25.4	9.2	1	73.0	11.4	22-2,23-3	0.4678	539.84	48
FiberMax 5013	3.8	1.10	82.9	28.0	8.1	2	78.8	8.1	31-1	0.5665	645.81	26
H&W 524 RF	3.7	1.15	82.0	27.4	7.4	2	78.5	8.0	31-1	0.5675	646.38	25
Deltapine 444 BG/RR	4.0	1.09	82.8	28.1	7.8	2	78.2	8.3	21-2,31-1	0.5673	643.32	27
Deltapine 110 RF (Tested as X04Z603 F)	3.5	1.19	82.4	29.5	8.1	2	74.7	9.7	31-3,32-1	0.5453	608.55	33
Beltwide Cotton Genetics X-0205	3.1	1.19	81.5	27.5	5.9	2	78.5	8.2	31-1,31-3	0.5195	570.93	43
PhytoGen 125 RF	3.3	1.13	83.0	28.3	8.2	2	76.5	8.5	31-2,31-3	0.5525	606.09	35
Dyna-Gro 2100 B2RF	2.8	1.15	80.5	26.5	6.7	2	77.0	9.1	21-4,31-1	0.5030	548.77	46
Deltapine 108 RF (Tested as X04Z602 F)	3.2	1.11	80.7	28.1	6.4	2	76.7	9.1	21-4,31-3	0.5405	585.90	39
PhytoGen 485 WRF	3.1	1.15	82.2	26.6	8.7	3	75.1	9.1	31-3,31-4	0.5318	574.88	41
Deltapine X04V405 DF	3.1	1.12	80.5	27.6	6.2	2	75.3	9.9	23-1,31-1	0.4930	525.54	50
Beltwide Cotton Genetics 4630 B2RF	2.9	1.18	80.6	25.2	7.7	2	79.7	8.4	21-1,21-2	0.5215	553.83	45
Beltwide Cotton Genetics X-0405	2.8	1.19	81.6	27.0	5.8	2	78.3	8.3	31-1	0.5038	527.48	49
Beltwide Cotton Genetics X-0105	2.9	1.18	80.9	26.8	6.0	2	78.6	8.7	21-2,21-4	0.5270	547.55	47
Stoneville 5007 B2RF (Tested as x0510 B2F)	2.6	1.18	81.0	25.7	7.7	2	79.9	8.2	21-2	0.4810	462.24	51
Mean	3.2	1.13	81.2	26.2	7.6	2	77.9	8.7		0.5240		
C.V.%	7.4	1.8	0.9	3.3	6.1	31.7	1.4	7.6		5.1		
LSD 0.05	0.4	0.03	1.2	1.4	0.8	1	1.8	1.1		0.0446		

^{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.