

Table 40. Results of the dryland Roundup Ready Flex 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 09-23-05	Storm Resistance
		Lint	Seed	Picked	Pulled						
Deltapine 147 RF (Tested as x04X462F)	1495	29.6	45.3	40.5	30.5	4.8	9.7	7.1	27.4	60	2.4
Deltapine 432 RR	1460	27.8	41.8	37.7	29.0	4.5	9.6	6.2	27.3	59	2.5
Stoneville 5599 BR	1455	29.9	42.5	40.3	31.3	5.3	9.6	6.8	30.8	55	2.4
Stoneville NG2448R	1437	28.8	46.5	36.8	27.9	5.1	10.6	6.5	28.8	64	2.9
Stoneville 4357 B2RF (Tested as x0509 B2F)	1431	28.3	42.9	39.3	28.3	4.1	10.0	6.9	23.5	51	2.3
Deltapine 117 B2RF (Tested as x04Z600 DF)	1421	29.0	44.7	38.0	28.4	4.7	9.6	6.3	28.2	58	2.6
Americot 1532 RF/B2	1409	28.1	43.9	38.8	28.9	4.5	9.4	6.4	27.3	52	2.3
Belwide Cotton Genetics X-2038	1406	27.3	44.5	37.3	27.6	4.1	9.4	6.0	25.1	74	2.3
Belwide Cotton Genetics 3255 B2RF (Tested as X-4575)	1399	27.9	45.8	35.5	25.8	4.4	10.0	6.0	25.7	58	2.2
Stoneville 4554 B2RF	1393	29.2	43.8	39.0	29.7	4.8	9.5	6.6	28.1	58	2.2
Stoneville 4664 RF	1384	28.5	42.1	39.8	32.1	4.8	9.3	6.5	29.2	51	2.4
Americot 1504 RF/B2	1383	26.4	43.7	38.4	28.5	4.6	10.8	7.1	24.9	59	2.3
Stoneville NG3550 RF	1377	28.7	47.5	37.2	28.1	4.5	10.0	6.4	26.1	65	2.5
Deltapine 156 B2RF (Tested as x04X436 DF)	1366	30.7	45.2	39.2	30.3	4.4	9.1	6.1	28.1	60	2.7
Belwide Cotton Genetics 4630 B2RF	1359	27.7	43.8	38.3	28.5	4.8	9.7	6.5	27.9	67	2.2
Deltapine 108 RF (Tested as x04Z602 F)	1349	27.7	42.1	38.0	28.3	4.5	9.4	6.3	27.4	54	2.4
Deltapine 494 RR	1343	28.6	39.3	39.5	30.8	4.7	9.4	6.6	28.2	49	2.6
Croplan Genetics 3520 B2RF	1339	27.9	43.2	38.0	27.9	4.0	9.2	6.1	24.7	68	2.3
Dyna-Gro 2242 B2RF	1332	26.7	43.0	37.4	27.2	3.9	9.3	6.0	24.6	60	2.3
Belwide Cotton Genetics X-4021	1331	26.5	44.2	36.4	26.9	5.1	10.3	6.2	29.6	78	2.4
All-Tex 45039 B2/RF	1321	27.3	49.4	34.9	25.9	4.9	10.6	6.1	28.4	70	3.3
All-Tex Apex B2RF (Tested as 55033 B2/RF)	1319	28.3	42.9	38.8	28.7	4.7	9.4	6.4	28.6	65	2.4
FiberMax 958	1309	27.5	41.4	38.4	28.5	4.9	9.8	6.6	28.9	58	2.7
Americot 1664 RF/B2	1298	27.0	42.7	37.6	27.5	3.8	9.0	5.9	24.6	60	2.3
Deltapine 113 B2RF (Tested as x04Z503 DF)	1298	28.4	44.4	36.9	28.6	4.9	10.6	6.7	27.0	59	2.4

Table 40. 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	1288	27.5	42.0	38.7	29.9	4.2	9.7	6.6	25.0	60	1.9
All-Tex 55066 B2RF	1285	28.4	45.5	37.9	28.3	4.1	9.7	6.3	24.7	73	2.3
Belwide Cotton Genetics X-1505	1282	27.0	45.5	37.4	27.9	5.4	10.6	6.6	30.5	61	2.8
AFD 5820 B2RF	1281	26.4	43.9	37.2	27.3	4.7	10.5	6.6	26.6	59	2.3
Deltapine 167 RF (Tested as x04T159 F)	1279	27.5	44.5	38.7	29.3	4.6	8.7	5.8	30.2	42	2.3
Dyna-Gro 2520 B2RF	1277	27.9	44.1	39.2	28.7	4.4	9.6	6.6	26.2	60	2.3
Deltapine 444 BG/RR	1276	28.6	42.0	39.9	29.9	4.6	10.0	7.1	25.4	56	1.7
PhytoGen 485 WRF	1264	27.1	43.6	38.1	27.9	3.7	9.1	6.1	23.3	74	2.2
Deltapine 555 BG/RR	1245	30.4	42.1	42.0	32.3	4.2	7.5	5.8	30.1	53	2.3
PhytoGen 475 WRF	1242	29.4	43.5	36.3	27.5	5.0	10.4	6.3	29.0	54	2.8
Croplan Genetics 3020 B2RF	1234	26.2	44.8	38.4	28.3	3.7	10.2	6.8	20.4	53	2.5
AFD 5819 B2RF	1230	25.1	47.0	37.0	27.5	5.1	10.0	6.3	29.6	59	2.5
Americot 1521 RF/B2	1227	25.7	45.0	36.4	26.8	4.3	9.6	5.9	26.8	65	2.4
PhytoGen 425 RF	1225	26.7	42.7	37.7	28.2	4.4	9.5	6.2	26.3	68	2.2
Belwide Cotton Genetics X-9775	1221	25.7	45.2	35.9	26.1	4.7	10.3	6.2	27.0	68	2.1
All-Tex 55055 B2/RF	1211	25.4	43.4	35.4	26.0	4.5	10.2	6.0	26.5	57	2.1
Deltapine 152 RF (Tested as x04X495F)	1205	28.8	44.6	38.5	29.1	4.6	9.4	6.2	28.7	59	2.4
Dyna-Gro 2100 B2RF	1205	26.8	47.5	37.9	27.8	4.6	10.0	6.5	26.6	71	2.4
Croplan Genetics 4020 B2RF	1202	26.7	42.5	38.8	28.8	4.4	9.5	6.4	26.6	64	2.4
Dyna-Gro 2215 B2RF	1200	24.9	45.2	36.6	28.4	4.8	9.7	6.0	29.2	55	2.6
Deltapine 143 B2RF (Tested as x04X419 DF)	1192	29.1	41.9	40.0	29.9	4.1	8.3	6.0	27.4	53	2.3
Paymaster 183	1191	27.3	50.7	36.9	27.1	4.4	9.4	5.9	27.6	73	3.6
Stoneville x5885 B2RF	1186	26.9	45.6	40.5	25.8	3.3	9.1	5.8	22.8	54	2.4
Stoneville 5007 B2RF (Tested as x0510 B2F)	1164	24.3	42.8	36.2	27.1	4.8	10.0	6.1	28.6	62	2.3
H&W 524 RF	1151	24.4	46.3	34.3	25.1	6.3	13.6	7.6	28.4	52	2.5

Table 40. 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
Belwide Cotton Genetics X-0105	1134	26.4	46.7	36.1	26.9	4.3	9.6	5.7	27.6	62	2.7
PhytoGen 125 RF	1133	25.5	45.8	34.5	24.6	5.2	10.9	6.2	29.0	64	3.0
All-Tex 45041 RF	1127	25.7	43.4	36.3	26.7	5.9	11.5	7.0	30.7	64	3.0
Belwide Cotton Genetics X-0205	1119	25.6	44.9	35.8	26.1	4.2	9.9	5.9	25.6	79	2.6
Americot 1622 RF/B2	1111	25.1	44.2	36.9	26.3	4.5	10.2	6.4	25.7	49	2.2
Deltapine 110 RF (Tested as x04Z603 F)	1110	27.0	41.9	39.4	29.4	4.6	9.0	6.3	28.6	60	2.7
All-Tex Atlas	1100	25.4	45.7	37.3	26.4	5.0	11.4	6.7	27.8	60	3.0
Belwide Cotton Genetics 4630 B2RF (Tested as X-9124)	1093	25.3	42.1	40.0	28.9	4.5	9.7	6.9	26.1	59	2.2
Deltapine 164 B2RF (Tested as x04T126 DF)	1085	27.1	43.4	38.9	29.8	4.7	8.9	6.0	30.2	40	2.5
Belwide Cotton Genetics X-0405	1038	25.2	45.7	36.2	26.1	5.6	10.6	6.3	31.5	62	2.4
Mean	1270	27.2	44.2	37.8	28.1	4.6	9.8	6.3	27.3	60	2.4
C.V.%	10.4	5.0	4.3	3.7	3.8	9.1	5.3	5.8	8.3	23.5	9.9
LSD 0.05	154	2.3	3.1	2.3	1.8	0.7	0.9	0.3	3.8	16	0.3

Table 40A. Results of the irrigated Roundup Ready Flex test at the Texas Agricultural Experiment Station, Halfway, TX, 2005.

Designation	Micro-		Uni-	Elon-	Leaf	Color			Loan	Gross Loan Value per Acre		
	naire	Length	formity	gation	Index	Rd	+b	Grade ^{1/}	Value	\$	Rank	
Deltapine 147 RF (Tested as x04X462F)	3.7	1.16	81.0	27.1	6.2	3	76.1	8.1	31-1,41-1	0.5540	828.23	1
Deltapine 432 RR	4.0	1.11	82.6	27.0	9.3	3	73.9	8.8	41-3	0.5445	794.97	6
Stoneville 5599 BR	3.7	1.06	79.9	27.8	5.7	2	75.0	9.2	31-3,31-4	0.5388	783.95	7
Stoneville NG2448R	4.1	1.10	83.1	30.3	7.6	2	76.2	8.9	31-1,31-3	0.5610	806.16	3
Stoneville 4357 B2RF (Tested as x0509 B2F)	3.8	1.15	81.1	25.6	8.1	2	76.4	8.7	31-1,31-4	0.5648	808.23	2
Deltapine 117 B2RF (Tested as x04Z600 DF)	3.5	1.12	80.5	29.3	5.9	3	74.6	8.5	31-4,41-3	0.5468	777.00	10
Americot 1532 RF/B2	3.9	1.15	81.0	26.5	7.4	2	76.6	8.8	31-3	0.5715	805.24	4
Belwide Cotton Genetics X-2038	3.8	1.12	81.3	25.1	8.3	3	74.8	8.4	31-2,41-3	0.5480	770.49	12
Belwide Cotton Genetics 3255 B2RF (Tested as X-4575)	3.9	1.13	81.6	26.0	7.9	2	77.6	8.7	31-1	0.5705	798.13	5
Stoneville 4554 B2RF	4.1	1.09	80.8	27.4	9.5	3	74.3	8.8	31-4,41-3	0.5498	765.87	14
Stoneville 4664 RF	4.1	1.12	81.1	26.6	9.8	3	72.0	9.1	41-3	0.5425	750.82	18
Americot 1504 RF/B2	3.6	1.11	81.9	25.7	8.3	2	77.3	8.5	31-1,31-2	0.5503	761.06	15
Stoneville NG3550 RF	4.0	1.12	81.8	28.2	7.1	3	75.5	8.3	31-2	0.5693	783.93	8
Deltapine 156 B2RF (Tested as x04X436 DF)	3.9	1.12	80.3	28.3	6.0	2	78.3	7.9	31-1,31-2	0.5705	779.30	9
Belwide Cotton Genetics 4630 B2RF	4.1	1.16	81.3	26.5	7.5	3	76.4	8.8	31-3	0.5713	776.40	11
Deltapine 108 RF (Tested as x04Z602 F)	3.7	1.09	81.4	28.4	6.0	3	74.5	8.4	31-2,41-3	0.5493	741.01	21
Deltapine 494 RR	3.9	1.12	81.1	28.5	6.6	2	75.9	8.7	31-4	0.5705	766.18	13
Croplan Genetics 3520 B2RF	3.7	1.12	81.2	26.1	7.8	2	75.9	8.6	31-2,31-3	0.5680	760.55	16
Dyna-Gro 2242 B2RF	3.7	1.15	80.9	25.3	8.1	3	75.6	8.4	31-2,41-1	0.5518	735.00	23
Belwide Cotton Genetics X-4021	3.7	1.13	81.2	25.3	7.6	2	77.2	8.5	31-1,31-2	0.5583	743.10	20
All-Tex 45039 B2/RF	3.6	1.11	81.1	28.2	7.5	3	77.5	8.0	31-1,31-2	0.5540	731.83	24
All-Tex Apex B2RF (Tested as 55033 B2/RF)	4.0	1.16	80.8	27.2	7.5	2	76.4	8.9	21-4,31-4	0.5763	760.14	17
FiberMax 958	3.9	1.12	80.6	30.7	4.8	2	77.4	8.1	31-1,31-2	0.5700	746.13	19
Americot 1664 RF/B2	3.6	1.11	81.2	26.1	8.3	3	75.7	8.5	31-4,41-1	0.5525	717.14	27
Deltapine 113 B2RF (Tested as x04Z503 DF)	3.6	1.09	80.4	28.1	6.0	2	74.1	8.3	41-1,41-3	0.5393	700.01	32

Table 40A. Cont.

Designation	Micro-		Uni-		Elon-		Leaf		Color		Loan Value	Gross Loan Value per Acre	
	naire	Length	formity	Strength	gation	Index	Rd	+b	Grade ^{1/}			\$	Rank
PhytoGen 415 RF	4.2	1.07	81.4	27.0	8.5	3	72.5	9.3	31-3,41-4	0.5360	690.37	37	
All-Tex 55066 B2RF	3.8	1.14	81.3	26.4	8.3	3	76.1	8.4	31-1,41-1	0.5568	715.49	28	
Belwide Cotton Genetics X-1505	4.0	1.13	82.2	29.8	6.1	3	78.1	8.7	21-2,31-1	0.5765	739.07	22	
AFD 5820 B2RF	3.7	1.08	82.5	26.6	8.4	1	76.8	8.6	31-1	0.5625	720.56	26	
Deltapine 167 RF (Tested as x04T159 F)	3.9	1.16	81.4	28.4	6.3	2	76.2	8.2	31-1,41-1	0.5593	715.34	29	
Dyna-Gro 2520 B2RF	3.7	1.16	80.3	25.7	7.2	3	76.2	8.6	31-2,31-4	0.5540	707.46	30	
Deltapine 444 BG/RR	3.6	1.11	82.5	27.9	6.6	3	76.1	8.6	31-2,31-4	0.5648	720.68	25	
PhytoGen 485 WRF	4.2	1.10	82.6	27.6	9.7	4	71.1	8.5	41-4	0.5260	664.86	45	
Deltapine 555 BG/RR	3.7	1.10	79.7	28.0	5.7	1	78.1	7.8	31-1,31-2	0.5593	696.33	35	
PhytoGen 475 WRF	4.2	1.09	82.4	28.3	9.0	3	74.3	9.0	31-4	0.5615	697.38	34	
Croplan Genetics 3020 B2RF	3.6	1.09	81.4	26.0	7.1	2	76.4	8.4	31-1,31-2	0.5518	680.92	40	
AFD 5819 B2RF	3.6	1.15	80.8	26.3	8.0	2	77.2	8.0	31-2	0.5703	701.47	31	
Americot 1521 RF/B2	3.5	1.14	80.9	26.3	8.2	3	78.0	8.2	31-1	0.5655	693.87	36	
PhytoGen 425 RF	4.2	1.14	82.0	28.4	8.8	4	72.6	9.0	41-3	0.5400	661.50	46	
Belwide Cotton Genetics X-9775	3.8	1.19	81.5	26.9	7.3	3	75.8	8.3	31-2,31-4	0.5713	697.56	33	
All-Tex 55055 B2/RF	3.7	1.20	82.9	27.9	8.0	2	76.5	8.2	31-1,41-3	0.5498	665.81	44	
Deltapine 152 RF (Tested as x04X495F)	4.1	1.12	81.2	27.3	6.2	2	78.1	8.2	31-1	0.5693	686.01	38	
Dyna-Gro 2100 B2RF	3.5	1.11	82.1	26.3	8.0	2	77.0	8.7	31-1,31-3	0.5473	659.50	47	
Croplan Genetics 4020 B2RF	3.7	1.18	80.8	25.9	7.4	2	76.2	8.6	31-2,31-3	0.5658	680.09	41	
Dyna-Gro 2215 B2RF	3.3	1.13	80.4	26.2	7.7	2	78.6	8.1	31-1	0.5405	648.60	48	
Deltapine 143 B2RF (Tested as x04X419 DF)	4.0	1.10	81.1	27.2	6.5	2	77.7	8.4	31-1	0.5665	675.27	42	
Paymaster 183	4.5	1.01	82.1	27.4	7.0	2	76.2	9.2	31-3	0.5078	604.79	57	
Stoneville x5885 B2RF	3.9	1.15	81.4	28.6	8.0	2	77.1	8.9	21-2,31-3	0.5753	682.31	39	
Stoneville 5007 B2RF (Tested as x0510 B2F)	3.9	1.20	82.2	27.3	7.6	2	76.3	8.4	31-2	0.5738	667.90	43	
H&W 524 RF	3.8	1.17	82.3	29.9	6.3	2	76.1	7.8	31-2,41-1	0.5628	647.78	49	

Table 40A. 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
Belwide Cotton Genetics X-0105	3.5	1.16	80.7	28.3	5.9	2	77.7	8.5	31-1	0.5595	634.47	51
PhytoGen 125 RF	4.1	1.09	82.1	29.1	7.4	3	75.2	8.3	31-2,41-3	0.5420	614.09	54
All-Tex 45041 RF	4.2	1.10	83.1	31.1	8.1	4	72.4	8.0	41-1,51-3	0.5123	577.36	59
Belwide Cotton Genetics X-0205	3.7	1.15	82.5	29.6	5.7	3	77.3	7.9	31-2	0.5728	640.96	50
Americot 1622 RF/B2	3.7	1.20	81.0	27.1	7.7	3	75.9	8.3	31-2,41-1	0.5478	608.61	55
Deltapine 110 RF (Tested as x04Z603 F)	3.8	1.11	81.9	30.7	7.9	3	72.8	8.9	41-3	0.5470	607.17	56
All-Tex Atlas	4.1	1.06	82.2	29.3	7.8	3	75.4	8.2	31-2,41-1	0.5320	585.20	58
Belwide Cotton Genetics 4630 B2RF (Tested as X-9124)	3.8	1.16	81.1	26.6	7.3	2	75.7	8.9	31-3,31-4	0.5715	624.65	52
Deltapine 164 B2RF (Tested as x04T126 DF)	4.0	1.16	81.2	27.5	6.3	2	76.6	8.6	31-1,31-2	0.5703	618.78	53
Belwide Cotton Genetics X-0405	3.4	1.19	81.1	28.2	5.8	3	74.9	8.1	41-1	0.5230	542.87	60
Mean	3.8	1.13	81.4	27.5	7.3	2	75.9	8.5		0.5560		
C.V.%	3.7	1.7	1.0	2.4	4.6	31.4	1.5	2.4		2.3		
LSD 0.05	0.2	0.03	1.3	1.1	0.6	1	1.9	0.3		0.0211		

^{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.