

Table 44. Results of the dryland Roundup Ready Flex test at the Texas Agricultural Experiment Station, Halfway, TX, 2005.

Designation	Agronomic Properties									% Open	
	Yield	% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 11-04-05	Storm Resistance
		Lint	Seed	Picked	Pulled						
Stoneville 4554 B2RF	1267	28.2	41.9	37.5	28.4	5.8	10.4	6.8	32.0	56	2.7
Croplan Genetics 3020 B2RF	1197	27.8	42.1	37.1	26.7	4.9	10.6	6.7	27.6	73	2.8
Paymaster 2140 B2RF (Tested as Deltapine X04H205 DF)	1151	28.4	43.3	38.1	28.5	5.9	10.8	7.2	31.0	92	2.9
Deltapine X04V405 DF	1138	27.2	44.3	36.5	27.3	6.0	11.7	7.1	30.8	82	2.9
Croplan Genetics 3520 B2RF	1134	26.8	43.4	36.8	26.2	4.9	9.8	6.3	28.3	88	2.7
Stoneville 4357 B2RF (Tested as x0509 B2F)	1121	25.9	41.0	37.5	25.7	5.0	10.3	6.6	28.4	81	2.7
Dyna-Gro 2520 B2RF	1114	26.0	42.5	38.3	27.5	5.2	9.7	6.4	30.9	86	2.7
Stoneville 4664 RF	1111	27.2	40.5	38.9	28.2	5.0	10.2	7.0	28.2	54	2.7
Dyna-Gro 2242 B2RF	1110	25.1	39.9	38.7	28.7	5.1	9.8	6.5	30.2	78	2.8
Deltapine 432 RR	1108	26.9	41.3	38.2	27.3	4.7	10.0	6.6	27.3	71	2.8
Deltapine 117 B2RF (Tested as X04Z600 DF)	1106	27.2	41.1	38.2	28.4	5.5	10.3	6.9	30.2	68	2.9
Dyna-Gro 2100 B2RF	1100	26.4	43.5	37.0	26.9	4.8	10.6	6.6	26.6	86	2.7
Stoneville NG2448 R	1072	28.0	43.8	39.1	28.8	5.7	10.8	7.2	30.8	92	3.2
PhytoGen 425 RF	1042	24.7	39.2	37.4	27.8	4.8	10.0	6.4	28.1	81	2.7
All-Tex Atlas	1041	25.4	44.5	35.0	24.8	5.5	11.1	6.4	29.9	88	3.0
Croplan Genetics 4020 B2FR	1021	24.2	40.7	37.9	27.2	5.2	10.3	6.8	28.8	82	2.7
PhytoGen 415 RF	1018	24.9	40.5	37.8	26.1	4.9	10.2	6.7	27.9	83	2.6
PhytoGen 475 WRF	1012	24.4	40.5	38.3	27.9	5.2	10.7	7.7	25.9	78	2.7
FiberMax 958	1005	24.6	36.8	40.2	29.6	5.5	11.2	7.9	28.0	95	2.9
Paymaster 2266 RR	995	25.8	43.8	34.6	25.7	6.0	12.3	7.0	29.9	84	3.0
Deltapine X04V342 F	990	24.4	40.7	35.8	26.7	6.5	11.3	6.8	34.5	83	2.9
Stoneville NG3550 RF	990	26.3	43.3	36.9	26.7	5.8	10.7	6.7	32.1	80	2.8
Dyna-Gro 2215 B2RF	985	24.8	42.7	34.4	24.6	5.4	10.0	5.8	32.0	69	2.8
PhytoGen 485 WRF	982	24.3	40.1	36.8	26.9	5.2	10.0	6.4	30.1	70	2.6
Deltapine 444 BG/RR	973	27.8	39.8	40.2	29.3	4.9	9.8	6.9	28.6	87	2.2

Table 44. Cont

Designation	Yield	Agronomic Properties								% Open Bolls 10-18-05	Storm Resistance
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll		
		Lint	Seed	Picked	Pulled						
Deltapine 113 B2RF (Tested as X04Z503 DF)	956	25.4	39.4	37.2	27.2	6.1	10.9	7.2	32.0	62	2.8
Paymaster 2280 BG/RR	949	27.2	46.5	36.1	27.8	6.3	11.4	6.9	33.4	88	3.1
Deltapine 108 RF (Tested as X04Z602 F)	936	23.8	37.7	39.1	28.0	5.4	9.7	6.8	31.3	78	2.7
Beltwide Cotton Genetics X-0105	933	23.6	42.7	35.1	25.5	5.5	10.7	6.1	31.4	79	2.8
FiberMax 5013	922	24.9	43.5	36.1	26.4	5.9	11.4	6.9	31.2	84	3.0
Stoneville 5007 B2RF (Tested as x0510 B2F)	900	21.3	37.5	34.9	27.6	5.5	10.7	6.2	30.6	85	2.6
Beltwide Cotton Genetics X-1505	878	24.8	42.3	37.5	27.4	6.3	11.1	7.1	33.3	61	2.8
Beltwide Cotton Genetics X-0205	868	21.4	41.1	35.2	25.0	5.5	10.5	6.2	30.9	77	2.7
Deltapine 110 RF (Tested as X04Z603 F)	860	25.9	37.4	38.7	28.7	5.5	10.2	6.9	30.8	57	2.8
Beltwide Cotton Genetics X-0405	856	22.9	40.2	36.6	26.8	6.0	11.4	6.8	32.5	90	2.7
PhytoGen 125 RF	836	23.3	42.3	33.9	24.5	6.0	12.0	6.7	30.4	82	2.9
Mean	1019	25.5	41.4	37.1	27.1	5.5	10.6	6.7	30.1	79	2.8
C.V.%	6.9	5.1	4.4	2.7	4.3	8.3	3.9	4.6	8.9	19.0	3.3
LSD 0.05	82	2.2	3.1	1.7	2.0	0.8	0.7	0.5	4.5	18	0.1

Table 44A. Results of the dryland 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 ^L	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Stoneville 4554 B2RF	4.0	1.13	82.1	27.4	10.1	1	76.0	10.1	21-4,22-2	0.5633	713.70	1
Croplan Genetics 3020 B2RF	3.7	1.10	81.5	25.7	8.1	1	80.6	8.1	21-1,31-1	0.5505	658.95	2
Paymaster 2140 B2RF (Tested as Deltapine X04H205 DF)	3.4	1.09	82.1	28.7	6.6	2	79.4	7.1	31-2	0.5445	626.72	10
Deltapine X04V405 DF	4.3	1.07	82.8	26.7	6.6	2	80.5	7.6	21-2,31-1	0.5555	632.16	6
Croplan Genetics 3520 B2RF	3.6	1.10	80.6	25.5	8.5	2	78.4	8.2	21-2,31-2	0.5615	636.74	5
Stoneville 4357 B2RF (Tested as x0509 B2F)	3.6	1.13	80.4	25.6	7.8	1	80.4	8.1	21-2	0.5705	639.53	4
Dyna-Gro 2520 B2RF	3.5	1.13	80.8	26.4	7.4	1	80.2	8.4	21-1,21-2	0.5665	631.08	7
Stoneville 4664 RF	3.8	1.10	81.9	26.6	9.8	2	75.3	10.8	22-2,23-1	0.5230	581.05	15
Dyna-Gro 2242 B2RF	3.6	1.11	79.9	26.2	7.7	2	79.8	7.9	21-2,31-1	0.5650	627.15	9
Deltapine 432 RR	3.8	1.12	82.7	26.9	9.3	2	78.0	9.3	21-3,21-4	0.5798	642.42	3
Deltapine 117 B2RF (Tested as X04Z600 DF)	3.7	1.16	81.3	30.1	6.0	3	76.9	8.4	31-1,31-2	0.5703	630.75	8
Dyna-Gro 2100 B2RF	3.6	1.10	82.6	26.4	7.9	1	79.4	8.0	21-2,31-1	0.5600	616.00	12
Stoneville NG2448 R	3.9	1.10	83.2	30.0	7.6	2	79.4	8.2	21-2,31-1	0.5750	616.40	11
PhytoGen 425 RF	4.1	1.14	83.0	28.0	9.6	2	75.0	9.8	31-3,32-1	0.5565	579.87	17
All-Tex Atlas	4.5	1.10	83.9	28.9	8.0	1	79.3	7.6	31-1,31-2	0.5675	590.77	13
Croplan Genetics 4020 B2FR	3.3	1.13	80.1	25.9	7.1	1	78.5	9.4	21-3	0.5485	560.02	21
PhytoGen 415 RF	3.8	1.12	82.0	26.2	8.8	3	76.1	9.1	31-3	0.5705	580.77	16
PhytoGen 475 WRF	3.7	1.13	83.6	28.2	9.0	3	76.4	9.2	21-4,31-3	0.5750	581.90	14
FiberMax 958	3.9	1.15	81.8	29.9	4.9	1	77.4	9.4	21-1,22-2	0.5653	568.13	18
Paymaster 2266 RR	4.7	1.09	82.7	28.1	7.3	2	78.1	7.7	31-1,41-1	0.5503	547.55	25
Deltapine X04V342 F	4.2	1.09	82.4	28.0	8.2	2	77.2	8.3	31-1,31-2	0.5625	556.88	22
Stoneville NG3550 RF	3.8	1.13	81.8	28.9	7.9	2	79.2	7.8	31-1	0.5693	563.61	19
Dyna-Gro 2215 B2RF	3.5	1.14	81.5	25.7	8.2	1	79.8	8.3	21-2,21-4	0.5618	553.37	23
PhytoGen 485 WRF	4.1	1.11	82.6	28.5	9.3	2	75.4	9.3	31-3	0.5718	561.51	20
Deltapine 444 BG/RR	3.5	1.13	82.5	26.7	7.1	1	79.2	8.2	21-2,31-1	0.5650	549.74	24

Table 44A. 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
Deltapine 113 B2RF (Tested as X04Z503 DF)	3.6	1.12	80.9	29.8	5.7	1	76.3	9.1	31-3	0.5623	537.56	27
Paymaster 2280 BG/RR	3.9	1.10	82.3	29.5	7.2	2	79.0	7.9	21-2,31-1	0.5705	541.40	26
Deltapine 108 RF (Tested as X04Z602 F)	3.6	1.12	81.2	27.1	6.3	2	75.9	9.1	21-4,31-2	0.5553	519.76	28
Beltwide Cotton Genetics X-0105	3.2	1.13	81.1	27.3	5.9	1	79.0	8.6	21-2	0.5485	511.75	31
FiberMax 5013	4.3	1.07	83.3	29.8	7.6	2	79.2	8.2	21-2,31-1	0.5593	515.67	29
Stoneville 5007 B2RF (Tested as x0510 B2F)	3.8	1.16	81.4	26.4	7.4	1	79.8	7.7	31-1	0.5703	513.27	30
Beltwide Cotton Genetics X-1505	3.5	1.14	82.4	30.2	6.0	1	79.0	9.0	21-1,21-4	0.5630	494.31	32
Beltwide Cotton Genetics X-0205	3.3	1.15	81.2	28.7	5.6	2	77.9	8.6	31-1,31-3	0.5510	478.27	34
Deltapine 110 RF (Tested as X04Z603 F)	4.2	1.11	81.8	29.9	8.4	3	75.7	8.6	31-4	0.5683	488.74	33
Beltwide Cotton Genetics X-0405	3.4	1.16	81.2	28.7	5.8	2	79.2	8.0	31-1	0.5520	472.51	36
<u>PhytoGen 125 RF</u>	<u>4.1</u>	<u>1.09</u>	<u>83.0</u>	<u>29.9</u>	<u>7.5</u>	<u>1</u>	<u>78.5</u>	<u>8.0</u>	<u>31-1,31-2</u>	<u>0.5663</u>	<u>473.43</u>	<u>35</u>
Mean	3.8	1.11	81.9	27.8	7.5	1	78.2	8.5		0.5620		
C.V.%	6.6	1.4	0.7	2.4	3.7	34.7	1.8	6.7		2.8		
LSD 0.05	0.4	0.03	1.0	1.1	0.5	1	2.3	1.0		0.0266		

^{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.