

Table 34. Results of the drip irrigated Roundup Ready Flex test at the AG-CARES Farm, Lamesa, TX, 2006.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-02-06	Storm Resistance
		Lint	Seed	Picked	Pulled						
Stoneville 4427B2RF (tested as x0504B2RF)	1917	31.5	47.3	39.5	31.0	5.5	8.9	6.1	35.6	73	2.6
Phytogen 485 WRF	1907	29.4	45.4	38.7	27.8	4.1	8.8	5.8	27.5	89	2.7
Deltapine 110 RF	1873	30.6	44.0	41.2	31.6	5.1	8.7	6.3	33.1	89	2.7
Deltapine x06W650F	1873	31.0	49.8	39.3	29.7	5.0	9.3	6.4	30.8	85	2.7
Phytogen 425 RF	1851	32.7	50.3	37.3	30.3	4.8	9.0	5.9	30.4	90	2.6
FiberMax 989	1849	31.2	46.6	39.5	29.4	4.9	9.4	6.5	29.8	79	2.9
All-Tex Apex B2RF	1820	29.8	47.7	39.0	28.8	4.7	9.5	6.3	29.3	91	2.8
Deltapine 117 B2RF	1798	29.7	44.1	40.3	31.9	5.0	9.1	6.6	30.5	87	2.8
Deltapine 121 RF (tested as x06W660F)	1791	30.4	41.5	40.9	30.2	6.0	9.3	6.8	36.2	93	2.7
FiberMax 9058F	1759	31.3	46.8	40.1	29.9	5.5	9.8	6.9	31.8	86	3.1
FiberMax x2109F	1720	34.5	48.3	39.0	31.1	5.9	10.2	6.8	33.9	86	3.0
Stoneville 5599BR	1718	33.1	50.4	39.6	31.6	5.3	9.3	6.4	32.8	70	2.6
Deltapine 455 BR	1692	32.4	43.9	42.0	35.2	5.0	8.5	6.8	31.1	89	2.6
Deltapine 147 RF	1689	32.2	48.9	40.3	33.4	4.9	8.9	6.4	31.3	74	2.6
Stoneville 6565B2RF	1679	30.0	50.5	37.4	30.3	4.8	7.6	4.8	37.1	67	2.4
Beltwide Cotton Genetics 4630B2F	1674	30.3	47.0	38.8	30.9	5.7	9.1	6.1	35.6	94	2.8
Stoneville 6622RF	1656	30.2	47.9	38.6	29.5	4.8	8.1	5.4	34.9	87	2.4
FiberMax 9060F	1654	30.8	47.3	38.7	32.0	5.6	9.8	6.9	31.6	83	3.0
Croplan Genetics 4020B2RF	1648	28.5	44.5	38.8	28.7	4.6	9.4	6.2	28.4	87	2.8
Stoneville 5327B2RF (tested as x0505B2RF)	1639	32.4	45.7	42.1	32.2	4.6	8.7	6.7	29.0	85	2.6
Stoneville 474	1610	31.0	45.2	40.6	30.5	6.3	9.6	6.9	36.9	88	2.6
Stoneville 4664RF	1609	32.0	45.9	40.4	29.5	4.8	9.1	6.5	29.6	90	2.6
Croplan Genetics 3020B2RF	1595	31.3	50.1	38.0	27.1	4.4	9.5	6.0	28.1	92	2.8
All-Tex 55066 B2/RF	1586	29.4	46.6	38.4	29.5	4.3	8.6	5.7	29.0	94	2.7
Stoneville NG3273B2RF	1570	30.8	48.8	37.4	29.7	6.0	9.0	5.7	39.6	94	2.9

Table 34A. Results of the drip irrigated Roundup Ready Flex test at the AG-CARES Farm, Lamesa, TX, 2006.

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 4427B2RF (tested as x0504B2RF)	4.5	1.12	82.3	25.2	7.4	4	77.7	7.5	31-2,41-1	0.5463	1047.26	2
Phytogen 485 WRF	4.7	1.14	83.0	25.6	9.2	4	76.3	7.9	31-2,41-1	0.5390	1027.87	4
Deltapine 110 RF	4.4	1.12	82.9	30.4	8.6	5	75.7	7.3	41-1	0.5113	957.66	12
Deltapine x06W650F	4.5	1.14	83.2	26.1	7.9	3	79.8	7.2	31-1,31-2	0.5678	1063.49	1
Phytogen 425 RF	4.8	1.12	83.1	26.4	8.7	4	76.9	7.8	31-2,41-1	0.5358	991.77	8
FiberMax 989	4.5	1.16	82.4	28.2	6.9	3	79.1	7.1	31-1,41-1	0.5588	1033.22	3
All-Tex Apex B2RF	4.3	1.19	82.4	25.0	8.0	3	78.7	8.0	31-1	0.5613	1021.57	5
Deltapine 117 B2RF	4.4	1.15	82.4	31.5	7.4	5	75.8	7.2	41-1,41-2	0.5288	950.78	15
Deltapine 121 RF (tested as x06W660F)	4.7	1.14	82.7	27.9	7.7	4	78.5	7.9	31-1,31-2	0.5618	1006.18	6
FiberMax 9058F	4.3	1.16	80.8	25.1	6.5	3	80.2	7.4	31-1	0.5658	995.24	7
FiberMax x2109F	4.4	1.16	82.2	26.4	6.8	4	79.8	7.2	31-1,31-2	0.5613	965.44	11
Stoneville 5599BR	4.5	1.13	81.5	27.4	6.6	3	78.6	8.2	31-1	0.5650	970.67	9
Deltapine 455 BR	4.3	1.15	82.1	29.2	7.1	3	78.7	8.0	31-1,31-2	0.5728	969.18	10
Deltapine 147 RF	4.1	1.17	80.5	27.1	6.4	4	77.2	7.3	31-2,41-2	0.5560	939.08	18
Stoneville 6565B2RF	4.4	1.17	82.1	25.2	7.1	3	79.9	7.8	31-1	0.5678	953.34	13
Beltwide Cotton Genetics 4630B2F	4.3	1.17	82.0	25.0	7.5	3	79.5	7.6	31-1	0.5648	945.48	17
Stoneville 6622RF	4.4	1.17	82.8	28.2	6.8	3	79.6	7.8	31-1	0.5750	952.20	14
FiberMax 9060F	4.4	1.20	82.0	28.6	6.2	3	80.1	7.3	31-1,31-2	0.5738	949.07	16
Croplan Genetics 4020B2RF	4.5	1.17	82.3	25.3	7.8	3	78.5	7.6	31-2	0.5670	934.42	19
Stoneville 5327B2RF (tested as x0505B2RF)	4.5	1.15	83.5	28.9	7.9	3	78.3	7.8	31-1,41-1	0.5625	921.94	20
Stoneville 474	4.9	1.12	83.0	26.8	7.4	3	77.6	7.9	31-1,41-1	0.5530	890.33	22
Stoneville 4664RF	4.8	1.12	82.6	26.7	9.3	4	77.8	8.0	31-1,41-1	0.5523	888.65	23
Croplan Genetics 3020B2RF	4.4	1.10	82.1	25.3	7.7	3	79.3	7.8	31-1,31-2	0.5510	878.84	25
All-Tex 55066 B2/RF	4.4	1.15	82.4	25.1	8.2	4	78.1	7.6	31-1,41-1	0.5505	873.09	26
Stoneville NG3273B2RF	4.2	1.14	81.6	25.5	7.7	3	79.5	7.2	31-1,31-2	0.5658	888.31	24

Table 34A. Cont.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf			Color Grade ^L	Loan Value	Gross Loan Value per Acre	
						Index	Rd	+b			\$	Rank
Stoneville 6611B2RF	4.4	1.17	82.6	28.8	6.6	3	79.0	7.7	31-1	0.5750	900.45	21
Dyna-Gro 2242 B2RF	4.5	1.14	81.6	24.5	8.2	4	77.6	7.6	31-2	0.5468	829.50	32
Beltwide Cotton Genetics 9775B2F	4.4	1.20	83.4	27.2	7.3	3	78.2	7.6	31-2	0.5755	866.70	27
Beltwide Cotton Genetics 4021B2F	4.4	1.12	81.6	24.3	7.6	3	79.7	7.3	31-1,31-2	0.5560	836.78	31
All-Tex Marathon B2RF	4.4	1.12	81.6	23.9	8.1	4	79.7	7.4	31-1,31-2	0.5430	816.67	33
Beltwide Cotton Genetics x3220B2F	4.2	1.14	81.9	26.6	7.1	4	79.9	6.5	41-1	0.5408	811.20	35
Deltapine 143 B2RF	4.2	1.17	79.4	25.9	6.9	3	79.2	7.3	31-1,31-2	0.5643	843.63	30
Stoneville 5283RF (tested as x0503RF)	4.5	1.14	83.3	28.7	8.2	3	78.2	7.8	31-1,31-2	0.5735	848.78	29
Dyna-Gro 2520 B2RF	4.4	1.17	82.6	24.0	7.8	3	78.8	7.5	31-1,41-1	0.5463	805.25	39
FiberMax 958	4.6	1.15	82.2	30.7	6.1	3	80.0	7.4	21-2,31-2	0.5778	849.37	28
All-Tex Atlas	4.6	1.06	81.6	28.4	8.1	3	78.3	7.6	31-2	0.5395	786.59	43
Stoneville 4700B2RF	4.3	1.15	82.9	24.6	8.3	4	77.9	7.2	31-2,41-1	0.5328	776.29	46
Stoneville 4357B2RF	4.3	1.15	81.5	24.2	7.8	3	79.4	7.6	31-1,31-2	0.5580	806.31	36
Beltwide Cotton Genetics 3255B2F	4.3	1.10	81.9	25.3	7.8	3	78.7	7.7	31-1,31-2	0.5578	805.46	38
Stoneville NG2448R	4.3	1.13	83.3	29.6	7.8	3	77.1	7.6	21-2,41-2	0.5650	814.16	34
Americot 1504B2RF	4.6	1.12	83.4	25.5	8.1	3	79.6	7.5	31-1	0.5633	805.52	37
Dyna-Gro 06064 B2RF	3.8	1.13	82.3	23.4	8.8	4	78.6	6.9	31-2	0.5433	776.38	45
FiberMax x2001F	4.4	1.19	81.2	29.1	6.5	4	79.9	6.9	31-2	0.5625	798.19	40
Beltwide Cotton Genetics 6896B2F	4.0	1.11	81.9	25.2	7.3	5	77.0	6.0	41-1,41-2	0.5123	713.12	49
All-Tex Titan B2RF	4.4	1.18	82.3	26.0	7.8	3	78.8	7.3	31-1,31-2	0.5670	788.70	42
Americot 1532B2RF	4.3	1.16	82.2	25.9	7.8	3	78.8	7.5	31-1,31-2	0.5728	794.47	41
Beltwide Cotton Genetics 1505RF	4.2	1.15	82.9	30.1	6.9	3	78.5	7.6	31-1,41-1	0.5620	777.25	44
Stoneville 4554B2RF	4.7	1.14	82.5	26.8	9.2	3	77.7	8.0	31-1,31-2	0.5650	770.10	47
Stoneville NG3550RF	4.3	1.12	81.1	28.2	7.3	4	78.8	7.4	31-1,41-1	0.5515	734.60	48
All-Tex Summit B2RF	4.4	1.12	82.5	24.6	8.3	3	77.8	7.7	31-1,41-1	0.5450	694.33	50

Table 34A. Cont.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf		Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre		
						Rd	+b			\$	Rank	
Beltwide Cotton Genetics x3552B2F	3.6	1.13	80.4	27.8	6.8	4	79.7	6.7	31-2,41-1	0.5418	673.46	52
Beltwide Cotton Genetics 1605RF	3.7	1.17	82.0	31.0	6.2	4	78.9	6.0	41-1	0.5430	669.52	54
Beltwide Cotton Genetics 2038B2F	4.3	1.15	82.6	26.2	8.1	5	76.0	6.7	41-1,41-2	0.5175	633.94	57
Dyna-Gro 2100 B2RF	4.4	1.09	82.6	24.9	7.8	3	79.3	7.7	31-1	0.5583	682.24	51
Croplan Genetics 3520B2RF	4.5	1.12	82.5	23.9	8.1	4	76.6	7.0	41-1	0.5193	606.54	59
All-Tex 45015 RF	4.8	1.08	83.2	31.2	7.1	3	77.7	7.3	31-1,41-1	0.5493	640.48	55
FiberMax 9063B2F	4.5	1.20	82.5	30.5	6.6	3	80.7	6.9	31-1,31-2	0.5763	670.81	53
FiberMax 9068F	4.5	1.17	82.3	27.2	7.7	3	79.5	7.3	31-1,31-2	0.5683	637.63	56
Beltwide Cotton Genetics x4130B2F	4.1	1.20	83.1	26.4	7.3	5	77.4	5.9	41-1,41-2	0.5265	577.57	60
FiberMax x3000B2F	4.5	1.17	83.1	30.1	6.6	3	80.3	7.2	31-1,31-2	0.5768	624.67	58
Mean	4.4	1.14	82.2	26.9	7.5	3	78.5	7.4		0.5550		
C.V.%	3.7	1.6	0.7	4.8	5.2	11.4	1.4	4.5		2.6		
LSD 0.05	0.3	0.03	0.9	2.2	0.7	1	1.8	0.5		0.0236		

^{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.

Table 34. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-02-06	Resistance
Stoneville 6611B2RF	1566	30.5	50.3	38.0	30.6	4.2	8.4	5.4	29.7	84	2.4
Dyna-Gro 2242 B2RF	1517	29.3	45.5	38.0	29.3	5.5	9.3	6.3	33.5	89	2.7
Beltwide Cotton Genetics 9775B2F	1506	27.7	47.7	38.6	29.0	4.8	9.7	6.3	29.4	95	2.7
Beltwide Cotton Genetics 4021B2F	1505	31.6	49.1	37.1	27.1	5.2	9.3	5.7	33.8	87	2.8
All-Tex Marathon B2RF	1504	31.1	48.6	36.9	28.2	5.3	9.7	6.0	32.7	93	2.8
Beltwide Cotton Genetics x3220B2F	1500	30.1	50.5	38.3	29.2	5.7	10.6	7.0	31.3	76	2.8
Deltapine 143 B2RF	1495	32.8	48.9	39.1	30.1	4.8	8.9	5.9	32.0	80	2.8
Stoneville 5283RF (tested as x0503RF)	1480	34.4	48.1	40.7	31.2	4.3	9.0	6.5	27.2	85	2.6
Dyna-Gro 2520 B2RF	1474	29.8	45.7	38.6	29.6	6.2	9.5	6.3	37.9	89	2.7
FiberMax 958	1470	31.3	46.6	40.4	31.4	5.2	10.2	7.2	29.1	83	3.0
All-Tex Atlas	1458	30.0	51.1	35.4	27.7	5.5	10.2	5.8	33.8	93	3.0
Stoneville 4700B2RF	1457	28.4	44.8	38.7	27.4	4.6	9.2	6.0	29.5	92	2.7
Stoneville 4357B2RF	1445	30.0	50.0	38.3	29.1	5.3	9.0	5.8	34.9	93	2.7
Beltwide Cotton Genetics 3255B2F	1444	31.6	46.5	38.9	30.3	4.9	9.5	6.3	30.4	95	2.8
Stoneville NG2448R	1441	29.4	48.0	37.0	29.1	5.0	10.4	6.5	28.9	84	2.9
Americot 1504B2RF	1430	30.8	47.3	38.8	27.9	4.5	9.2	6.2	28.3	96	2.7
Dyna-Gro 06064 B2RF	1429	29.1	48.5	37.0	29.4	5.9	8.8	5.6	39.0	91	2.9
FiberMax x2001F	1419	33.1	50.8	38.2	30.0	6.0	11.0	7.1	32.2	85	3.0
Beltwide Cotton Genetics 6896B2F	1392	30.7	50.9	38.6	32.4	4.7	8.6	5.7	31.7	90	2.8
All-Tex Titan B2RF	1391	28.4	47.7	35.8	26.4	4.9	9.5	5.5	31.6	86	2.8
Americot 1532B2RF	1387	28.8	44.9	38.4	29.8	4.6	9.5	6.3	28.0	94	2.7
Beltwide Cotton Genetics 1505RF	1383	31.4	50.9	38.9	34.1	6.5	10.3	6.8	37.6	87	2.9
Stoneville 4554B2RF	1363	32.0	46.6	39.5	30.5	4.5	9.5	6.7	27.0	87	2.5
Stoneville NG3550RF	1332	29.0	48.7	37.3	30.0	4.9	9.4	5.9	31.2	91	2.9
All-Tex Summit B2RF	1274	28.7	44.8	36.1	27.5	4.7	9.2	6.1	27.7	93	2.8

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Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-02-06	Resistance
Beltwide Cotton Genetics x3552B2F	1243	30.5	51.2	36.8	29.1	5.3	9.2	5.7	34.7	92	3.0
Beltwide Cotton Genetics 1605RF	1233	29.2	47.7	38.0	29.9	4.6	8.8	5.7	30.5	81	2.8
Beltwide Cotton Genetics 2038B2F	1225	28.1	43.6	37.7	28.9	4.9	9.3	6.0	30.8	85	2.8
Dyna-Gro 2100 B2RF	1222	30.6	47.2	39.1	28.8	6.1	9.3	6.3	37.7	90	2.8
Croplan Genetics 3520B2RF	1168	29.8	45.0	38.5	30.3	4.6	9.1	6.0	28.9	96	2.7
All-Tex 45015 RF	1166	27.8	49.0	35.8	26.7	5.8	10.7	6.3	32.8	90	2.9
FiberMax 9063B2F	1164	30.8	49.4	36.1	28.4	5.5	10.2	6.6	30.2	79	3.0
FiberMax 9068F	1122	33.4	51.0	38.6	29.3	5.9	10.9	7.2	31.4	77	2.9
Beltwide Cotton Genetics x4130B2F	1097	26.5	53.5	32.0	24.6	6.1	11.9	5.8	33.9	88	3.0
FiberMax x3000B2F	1083	29.4	46.8	37.5	29.2	5.1	10.5	6.7	28.3	95	2.9
Mean	1516	30.5	47.7	38.5	29.7	5.1	9.4	6.2	31.8	87	2.8
C.V.%	21.0	4.0	4.5	3.1	4.2	12.8	4.2	6.0	13.5	12.3	3.3
LSD 0.05	373	2.0	3.6	2.0	2.1	1.1	0.7	0.6	7.2	12	0.1