

Table 42. Results of the dryland Roundup Ready Flex test at the AG-CARES Farm, Lamesa, TX, 2005.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-16-05	Storm Resistance
		Lint	Seed	Picked	Pulled						
Stoneville 4554 B2RF	605	31.3	45.6	39.1	28.8	3.5	8.0	5.7	23.7	55	2.6
Stoneville 5599 BR	552	31.1	42.4	40.8	31.0	4.1	8.6	6.4	26.0	43	2.8
Stoneville X5885 B2RF	516	26.2	41.7	37.6	27.9	3.5	7.4	4.8	27.4	62	2.7
Dyna-Gro 2100 B2RF	506	27.1	41.8	38.9	27.8	3.8	8.3	5.7	25.8	74	2.7
PhytoGen 485 WRF	499	27.7	40.8	39.5	28.7	3.7	7.5	5.4	27.3	55	2.5
Deltapine 164 B2TF (Tested as X04T126 DF)	496	26.8	42.4	38.2	28.0	3.5	7.6	5.1	26.5	41	2.8
Stoneville 4357 B2RF (Tested as X0509 B2F)	483	28.1	39.3	38.9	28.7	3.6	8.0	5.6	24.7	70	2.7
Croplan Genetics 3020 B2RF	482	27.9	42.1	39.9	28.4	3.6	8.1	5.7	25.1	73	2.7
Deltapine 143 B2RF (Tested as X04X419 DF)	475	31.1	40.3	42.7	31.6	3.4	6.5	5.3	27.0	59	2.7
Dyna-Gro 2215 B2RF	453	26.2	43.0	36.2	27.0	4.0	8.5	5.1	28.6	68	2.8
Deltapine 555 BG/RR	449	32.4	38.1	43.4	34.5	3.5	6.4	5.3	28.1	42	2.8
Croplan Genetics 3520 B2RF	436	26.3	40.0	37.6	26.7	3.2	7.7	5.1	23.5	61	2.7
Stoneville X0414 B2RF	430	26.6	42.3	38.5	25.2	3.1	6.7	4.6	26.2	52	2.6
Deltapine 156 B2RF (Tested as X04X436 DF)	428	28.5	41.8	38.8	29.0	3.1	7.3	5.0	24.0	74	2.7
Dyna-Gro 2520 B2RF	428	25.2	40.2	38.7	27.5	3.6	8.2	5.7	24.1	61	2.7
Croplan Genetics 4020 B2RF	426	26.3	42.5	38.0	30.0	3.9	8.0	5.3	28.4	61	2.7
Deltapine 147 RF (Tested as X04X462 F)	423	30.1	41.7	40.7	30.1	4.0	7.7	5.7	28.3	45	2.8
Dyna-Gro 2242 B2RF	423	26.5	40.1	38.1	27.4	3.3	7.8	5.2	23.9	69	2.7
Stoneville 5007 B2RF (Tested as X0510 B2F)	422	26.6	42.4	37.0	26.2	3.5	8.4	5.3	24.6	68	2.5
Beltwide Cotton Genetics X-1505	410	26.3	41.2	37.8	29.7	4.2	9.4	6.0	26.3	46	2.8
PhytoGen 415 RF	404	27.9	39.4	38.9	27.6	4.1	8.2	5.8	27.5	50	2.6
Deltapine 434 RR	403	29.3	39.3	42.1	31.1	4.0	8.5	6.5	26.1	39	3.0
Deltapine 494 RR	403	29.5	38.8	40.2	30.0	3.8	7.9	5.7	26.6	36	2.9
Stoneville 6611 B2RF	394	25.0	42.5	37.6	27.4	3.1	7.4	4.9	24.1	54	2.5
PhytoGen 475 WRF	377	28.3	38.9	39.6	28.6	3.7	8.1	5.9	24.5	51	2.7

Table 42. 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
Stoneville 6622 RF	355	29.2	41.4	37.4	27.0	3.4	7.6	4.9	25.6	22	2.6
Deltapine 167 RF (Tested as X04T159 F)	349	26.6	42.2	37.7	27.3	3.8	8.3	5.4	26.6	36	2.8
PhytoGen 425 RF	347	27.2	40.0	39.4	29.9	3.5	7.8	5.5	25.0	46	2.7
Stoneville NGX3550 RF	345	29.6	45.4	38.3	32.1	4.1	9.2	6.1	25.6	45	2.9
Stoneville X4664 B2RF	345	28.9	41.7	39.4	30.1	4.3	8.1	5.7	29.4	32	2.7
FiberMax 958	338	26.4	36.3	40.7	30.0	4.6	9.5	6.9	27.2	33	3.0
Deltapine 152 RF (Tested as X04X495 F)	334	30.4	43.4	38.9	28.7	3.9	7.8	5.3	28.2	34	2.8
Beltwide Cotton Genetics X-0205	333	26.3	44.3	35.4	24.5	3.9	8.5	4.9	27.8	52	2.9
Stoneville NG2448 R	326	26.1	42.1	36.4	26.8	4.2	8.9	5.5	27.3	56	3.0
Beltwide Cotton Genetics X-0105	324	26.1	43.5	38.5	28.3	4.0	8.8	5.7	27.2	45	2.9
Beltwide Cotton Genetics X-0405	314	24.4	40.3	35.3	24.5	4.4	9.7	5.6	27.8	37	2.8
Stoneville 474	313	27.6	38.2	40.7	28.8	3.7	8.0	5.9	25.4	35	2.7
All-Tex Atlas	274	26.8	40.6	37.2	27.1	4.1	9.8	6.0	25.5	46	3.0
FiberMax 5013	256	25.2	40.3	35.4	25.6	4.2	9.3	5.5	26.9	58	3.0
PhytoGen 125 RF	244	24.9	42.4	34.0	23.6	4.0	10.1	5.7	23.8	35	3.0
Mean	403	27.6	41.2	38.6	28.3	3.7	8.2	5.5	26.2	50	2.7
C.V.%	16.9	6.9	6.7	3.1	5.6	7.2	4.2	6.3	7.2	32.5	3.9
LSD 0.05	80	3.2	4.7	2.0	2.4	0.5	0.6	0.6	3.2	19	0.1

Table 42A. Results of the dryland Roundup Ready Flex test at the AG-CARES Farm, Lamesa, 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
Stoneville 4554 B2RF	4.1	1.06	80.2	26.5	8.5	2	76.0	7.6	31-2,41-1	0.5348	323.55	1
Stoneville 5599 BR	4.1	1.03	80.2	26.1	5.2	2	76.8	7.9	31-2,41-1	0.5133	283.34	2
Stoneville X5885 B2RF	3.8	1.04	78.2	26.4	6.4	2	77.9	7.5	31-1,41-1	0.5200	268.32	3
Dyna-Gro 2100 B2RF	3.8	1.02	80.4	23.9	7.3	1	78.0	7.5	31-2	0.4973	251.63	6
PhytoGen 485 WRF	4.3	1.06	81.5	25.8	7.9	3	73.1	7.3	41-2	0.5253	262.12	4
Deltapine 164 B2TF (Tested as X04T126 DF)	3.7	1.05	78.8	25.4	5.6	1	78.8	7.1	31-2	0.5153	255.59	5
Stoneville 4357 B2RF (Tested as X0509 B2F)	4.0	1.05	79.3	24.3	7.0	1	76.7	7.6	31-2,41-1	0.5095	246.09	7
Croplan Genetics 3020 B2RF	3.6	1.04	80.0	24.8	7.3	2	75.5	7.3	41-1,41-2	0.4915	236.90	8
Deltapine 143 B2RF (Tested as X04X419 DF)	4.0	1.02	79.8	24.7	5.8	2	78.9	7.4	31-1,31-2	0.4973	236.22	9
Dyna-Gro 2215 B2RF	3.5	1.05	78.1	24.1	7.2	2	77.5	7.1	31-2,41-1	0.4955	224.46	12
Deltapine 555 BG/RR	3.8	1.00	78.6	24.6	5.1	1	78.6	7.1	31-2	0.4845	217.54	16
Croplan Genetics 3520 B2RF	3.9	1.05	80.1	23.9	7.1	4	75.6	7.0	41-1	0.4965	216.47	17
Stoneville X0414 B2RF	3.7	1.04	79.7	25.0	5.1	1	77.2	7.2	31-2,41-1	0.5138	220.93	14
Deltapine 156 B2RF (Tested as X04X436 DF)	3.9	1.02	77.9	24.1	5.4	1	78.9	7.1	31-2	0.4920	210.58	20
Dyna-Gro 2520 B2RF	3.6	1.05	78.6	23.3	6.6	2	77.6	7.3	31-2,41-1	0.4918	210.49	21
Croplan Genetics 4020 B2RF	3.7	1.05	78.5	23.8	7.0	2	77.1	7.3	31-2,41-1	0.5058	215.47	18
Deltapine 147 RF (Tested as X04X462 F)	3.7	1.05	78.3	24.5	4.7	2	78.7	7.3	31-2	0.5243	221.78	13
Dyna-Gro 2242 B2RF	3.7	1.03	79.1	24.1	7.2	2	76.8	7.3	41-1	0.4918	208.03	22
Stoneville 5007 B2RF (Tested as X0510 B2F)	3.9	1.09	81.6	25.7	7.2	2	76.9	7.0	41-1	0.5350	225.77	11
Beltwide Cotton Genetics X-1505	4.1	1.08	80.8	29.3	6.1	1	78.6	7.8	31-1,31-2	0.5535	226.94	10
PhytoGen 415 RF	4.2	1.03	80.8	25.0	7.2	2	75.3	7.9	41-1	0.4948	199.90	24
Deltapine 434 RR	4.1	1.08	80.1	25.3	6.7	2	77.5	7.6	31-2,41-1	0.5303	213.71	19
Deltapine 494 RR	4.1	1.07	81.5	27.4	6.2	2	77.8	7.6	31-2	0.5410	218.02	15
Stoneville 6611 B2RF	3.8	1.04	79.1	26.0	5.7	2	77.0	7.3	41-1	0.5078	200.07	23
PhytoGen 475 WRF	4.0	1.03	80.8	25.8	6.9	3	75.7	7.5	41-1	0.5065	190.95	26

Table 42A. Cont.

Designation	Micro-		Uni-		Elon-	Leaf		Color	Loan	Gross Loan Value per Acre		
	naire	Length	formity	Strength		gation	Index			Rd	+b	Grade ^{1/}
Stoneville 6622 RF	4.1	1.06	80.4	27.2	5.2	1	77.8	7.6	31-2	0.5420	192.41	25
Deltapine 167 RF (Tested as X04T159 F)	3.7	1.07	79.4	25.6	5.2	1	79.0	7.5	31-1,31-2	0.5328	185.95	27
PhytoGen 425 RF	4.3	1.03	80.3	27.6	7.5	2	76.0	7.9	41-1	0.5073	176.03	31
Stoneville NGX3550 RF	3.9	1.09	80.3	26.6	6.3	3	75.6	7.3	41-1	0.5360	184.92	28
Stoneville X4664 B2RF	3.8	1.05	80.3	26.0	8.6	2	78.1	7.6	31-1,31-2	0.5308	183.13	29
FiberMax 958	4.2	1.05	79.1	27.4	4.3	2	78.7	7.3	31-2	0.5288	178.73	30
Deltapine 152 RF (Tested as X04X495 F)	3.8	1.04	78.4	24.9	5.3	1	79.6	7.1	31-1,31-2	0.5060	169.00	34
Beltwide Cotton Genetics X-0205	3.5	1.07	80.5	26.8	5.1	2	78.7	7.2	31-1,41-1	0.5228	174.09	32
Stoneville NG2448 R	3.9	1.05	81.5	28.6	6.8	2	77.5	8.1	31-2	0.5308	173.04	33
Beltwide Cotton Genetics X-0105	3.3	1.06	79.2	25.6	5.3	2	77.8	7.6	31-2	0.5045	163.46	35
Beltwide Cotton Genetics X-0405	3.2	1.10	79.4	26.1	5.5	2	77.9	7.3	31-2,41-1	0.5110	160.45	36
Stoneville 474	4.1	1.01	80.4	25.7	6.1	3	75.0	8.2	31-4,41-1	0.4880	152.74	37
All-Tex Atlas	4.1	1.00	80.9	27.2	6.9	2	76.3	8.0	31-2,41-1	0.5033	137.90	38
FiberMax 5013	4.1	0.98	79.4	26.4	6.5	3	76.0	7.4	41-1	0.4900	125.44	39
PhytoGen 125 RF	4.2	1.03	80.4	27.7	6.6	3	76.6	7.6	31-2,41-1	0.5023	122.56	40
Mean	3.9	1.04	79.8	25.7	6.3	2	77.2	7.4		0.5130		
C.V.%	4.1	1.9	1.1	2.6	5.2	23.9	1.3	3.2		3.2		
LSD 0.05	0.3	0.03	1.4	1.1	0.6	1	1.7	0.4		0.0273		

^{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.