

Table 26. Results of the dryland regional cotton variety test at the AG-CARES Farm, Lamesa, TX, 2002.

Designation	Yield	Agronomic Properties								
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Storm Resistance
		Lint	Seed	Picked	Pulled					
AFD 2428	284	26.8	42.9	39.1	28.5	5.0	11.3	7.5	26.5	2.9
Paymaster 2379 RR	255	29.1	44.8	36.8	26.4	4.5	10.3	6.3	26.5	3.3
Tamcot Luxor	245	24.4	40.3	36.5	25.3	5.0	10.5	6.5	28.3	2.5
AFD 2070	237	25.8	42.3	36.0	25.3	5.2	10.6	6.3	29.2	3.0
Paymaster 2167 RR	231	27.7	42.9	39.1	27.7	4.1	9.4	6.5	24.7	3.2
Paymaster 2266 RR	231	25.9	44.4	34.7	24.9	5.0	10.5	6.0	29.2	3.1
Stoneville 2454 R	227	25.8	41.5	39.4	28.3	4.9	9.6	6.4	30.3	2.7
AFD 2485	225	25.1	40.9	36.4	25.6	5.5	10.9	6.6	30.3	3.0
Texas 28R	219	26.1	43.2	36.4	26.6	4.6	9.2	5.5	30.3	2.8
Bronco 141	219	25.6	43.7	35.7	25.3	4.9	10.6	6.2	28.2	3.3
All-Tex Atlas	218	24.8	46.0	36.3	25.5	4.5	10.0	6.0	27.1	3.0
Americot 1621	217	24.5	43.4	35.7	26.0	4.6	9.9	5.8	28.3	2.7
Western 180	212	24.9	45.6	34.0	24.6	4.8	10.2	5.6	29.3	2.8
FiberMax 989 R	211	26.0	42.8	35.5	24.7	4.7	11.1	6.4	26.2	3.0
Paymaster 2326 RR	208	26.4	44.0	35.7	26.0	4.5	9.9	5.9	27.1	3.0
AFD 3511 RR	205	25.4	47.4	34.0	24.9	4.9	11.5	6.2	26.9	3.0
Acala 1517-99	204	22.7	40.3	35.0	24.2	4.4	11.2	6.5	24.1	2.4
Concho 257	203	25.3	37.4	35.1	25.0	4.9	10.7	6.0	28.7	3.0
FiberMax 958	195	23.2	38.8	36.8	25.9	4.8	11.2	6.8	25.5	3.0
FiberMax 5013	194	25.1	45.0	35.5	25.1	4.3	9.8	5.8	26.2	3.0
Concho 287	193	24.6	40.8	35.7	24.9	4.5	9.8	5.8	27.4	3.0
PhytoGen 355	191	24.2	41.9	34.5	24.4	4.5	10.5	6.0	25.9	2.6
All-Tex Atlas RR	186	24.9	42.6	36.7	26.2	4.6	9.6	5.9	28.5	3.2
Stoneville 5303 R	183	24.5	42.7	37.4	26.4	4.6	10.5	6.5	26.4	2.7
Americot 8120	181	23.4	45.5	33.4	23.0	4.3	9.5	5.0	28.4	2.8

Table 26. Cont.

Designation	Yield	Agronomic Properties								
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	Resistance
Stoneville 4793 R	181	23.2	40.7	35.4	25.4	4.4	11.2	6.5	24.0	2.8
FiberMax 832	180	23.2	40.7	35.5	25.4	5.7	10.4	6.0	33.4	2.9
PhytoGen 98M-2983	179	24.3	40.1	37.5	26.6	4.5	10.0	6.4	26.6	2.7
Stoneville 580	177	23.9	47.3	32.7	23.0	4.3	10.1	5.1	27.4	2.7
Americot 4207	173	22.9	43.1	33.3	23.2	3.9	9.6	5.1	25.5	2.7
Stoneville 474	170	22.4	40.8	35.0	24.4	4.2	11.4	6.6	22.6	2.7
FiberMax 819	166	22.1	38.9	39.0	26.6	3.7	9.1	6.0	23.8	2.8
Deltapine 449 BG/RR	165	24.7	44.6	34.4	24.6	4.3	10.2	5.5	26.6	2.8
FiberMax 989 BR	165	24.4	41.5	35.6	25.0	4.6	10.9	6.3	25.8	3.0
Deltapine 491	164	24.9	41.4	37.3	26.2	4.0	8.8	5.6	26.6	2.7
Stoneville 457	164	24.2	41.8	34.8	25.5	4.9	10.4	5.9	28.7	2.7
Stoneville 4892 BR	147	23.8	40.7	35.0	24.7	4.3	10.4	6.0	25.1	2.8
Deltapine 458 B/RR	132	22.6	43.2	33.5	23.4	4.1	9.2	4.8	28.5	2.8
FiberMax 989	128	24.1	40.7	35.7	24.4	4.3	10.0	5.8	26.7	3.0
Deltapine 555 BG/RR	69	25.6	40.7	36.9	25.4	3.5	8.1	5.1	25.8	2.8
Mean	193	24.7	42.4	35.8	25.3	4.5	10.2	6.0	27.1	2.9
C.V.%	16.7	5.8	5.1	2.9	3.1	6.3	5.1	3.8	5.5	3.5
LSD 0.05	38	2.4	3.6	1.7	1.3	0.5	0.9	0.4	2.5	0.1

Table 26A. Results of the dryland regional cotton variety test at the AG-CARES Farm, Lamesa, TX, 2002.

Designation	Micro-		Uni- formity	Strength	Elon- gation	Leaf		Color Grade ^L	Loan Value	Gross Loan Value per Acre		
	naire	Length				Rd	+b			\$	Rank	
AFD 2428	4.0	1.12	82.7	30.1	5.9	2	79.6	8.4	21-1,31-1	0.5560	159.91	1
Paymaster 2379 RR	5.1	1.05	83.3	31.2	7.5	2	79.7	8.0	21-2,31-1	0.4843	109.91	14
Tamcot Luxor	4.5	1.10	84.8	31.3	5.7	3	76.2	7.5	31-2,41-1	0.5500	117.96	6
AFD 2070	4.4	1.09	83.2	31.0	5.6	1	78.5	8.3	31-1	0.5463	135.35	2
Paymaster 2167 RR	4.7	1.03	82.4	29.7	6.0	2	78.1	8.0	31-1,31-2	0.5040	125.25	4
Paymaster 2266 RR	4.4	1.09	83.6	30.7	6.5	3	77.0	7.5	31-2,41-1	0.5455	123.81	5
Stoneville 2454 R	4.6	1.07	82.9	29.5	6.2	2	78.3	8.4	21-2,31-1	0.5263	112.67	11
AFD 2485	4.5	1.16	83.5	32.7	3.7	2	79.1	8.0	21-2,31-1	0.5600	132.16	3
Texas 28R	4.7	1.14	82.2	30.4	5.2	2	77.2	8.2	31-1,31-2	0.5533	95.17	27
Bronco 141	3.8	1.08	81.8	30.4	5.0	2	79.0	8.0	21-2,31-1	0.5450	111.28	12
All-Tex Atlas	4.7	1.08	83.2	31.9	6.3	3	77.1	7.8	31-2	0.5530	102.86	23
Americot 1621	4.5	1.12	83.4	31.8	6.6	3	77.1	8.3	31-1,31-2	0.5580	114.69	10
Western 180	4.6	1.10	82.8	30.2	5.0	3	77.0	8.3	31-1,41-1	0.5403	116.03	9
FiberMax 989 R	3.9	1.13	83.5	32.2	5.2	2	80.5	7.8	21-2	0.5610	117.81	7
Paymaster 2326 RR	5.0	1.06	82.9	30.6	6.3	2	77.5	8.1	31-1,31-2	0.5160	88.73	33
AFD 3511 RR	4.7	1.09	83.1	31.7	5.3	1	77.4	8.5	31-1	0.5450	116.96	8
Acala 1517-99	4.1	1.21	83.7	34.4	5.1	3	78.1	7.6	31-1,41-1	0.5543	107.57	19
Concho 257	4.5	1.09	82.6	31.3	5.6	2	78.6	8.1	21-2,31-1	0.5525	108.00	17
FiberMax 958	4.4	1.16	82.4	32.6	3.8	2	79.2	7.7	31-1,31-2	0.5558	105.81	20
FiberMax 5013	4.9	1.08	83.9	31.7	5.8	3	76.8	7.1	31-2,41-2	0.5405	108.89	16
Concho 287	4.7	1.08	83.0	31.2	6.0	3	77.4	7.9	31-2	0.5450	94.50	29
PhytoGen 355	4.7	1.15	84.7	32.0	7.1	3	75.6	8.4	31-2,31-4	0.5580	107.71	18
All-Tex Atlas RR	4.6	1.06	82.4	29.5	6.4	2	78.3	8.2	31-1	0.5328	91.86	32
Stoneville 5303 R	4.6	1.13	83.5	32.8	5.2	1	78.0	8.6	31-1	0.5578	110.16	13
Americot 8120	4.3	1.12	81.8	29.1	5.9	2	78.3	8.3	31-1	0.5510	109.11	15

Table 26A. Cont.

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 4793 R	4.6	1.12	83.9	30.1	5.6	3	74.9	9.0	31-3,41-3	0.5488	98.13	25
FiberMax 832	4.3	1.21	84.2	34.2	4.5	2	80.0	7.5	31-1	0.5608	104.86	22
PhytoGen 98M-2983	4.5	1.12	83.1	29.8	5.7	2	75.7	8.8	31-3,31-4	0.5533	82.46	37
Stoneville 580	4.2	1.14	83.4	31.2	6.5	2	77.9	9.3	21-4	0.5610	105.47	21
Americot 4207	4.4	1.11	83.0	29.7	5.4	2	78.1	8.3	31-1	0.5513	93.07	31
Stoneville 474	4.7	1.15	83.5	30.3	5.7	2	74.9	9.2	31-3,31-4	0.5550	86.02	34
FiberMax 819	4.2	1.21	83.9	33.5	4.0	2	80.6	7.1	31-1	0.5608	79.07	38
Deltapine 449 BG/RR	4.4	1.12	82.3	32.1	5.1	2	79.1	8.4	21-2,31-1	0.5565	99.96	24
FiberMax 989 BR	4.1	1.13	82.6	31.7	4.7	1	80.6	7.6	21-2,31-1	0.5580	97.10	26
Deltapine 491	4.0	1.21	82.7	34.9	4.5	2	78.2	7.9	31-1,31-2	0.5585	93.55	30
Stoneville 457	4.5	1.15	83.8	31.5	7.8	3	73.9	8.6	31-4,41-3	0.5513	94.97	28
Stoneville 4892 BR	4.6	1.14	84.1	30.5	5.7	3	75.3	8.9	31-3,31-4	0.5565	85.15	36
Deltapine 458 B/RR	4.1	1.13	83.0	31.8	5.9	2	80.2	8.1	21-2	0.5610	85.83	35
FiberMax 989	4.1	1.18	83.3	33.2	4.6	2	79.9	7.6	21-2,31-1	0.5615	78.27	39
Deltapine 555 BG/RR	4.0	1.13	81.7	31.7	4.6	3	78.4	8.2	31-1	0.5550	44.44	40
Mean	4.4	1.12	83.1	31.4	5.5	2	77.9	8.1		0.5490	103.71	
C.V.%	3.4	1.5	0.6	3.2	3.7	27.1	1.4	3.5		1.7	15.8	
LSD 0.05	0.3	0.03	0.8	1.7	0.3	1	1.8	0.5		0.0155	27.75	