

Table 1. Agronomic Data from Kenny Gully’s Irrigated Cotton Variety Test (Concho County, 2011)

Variety ¹	Fiber Quality ²												
	Yield Per Acre				-----						Lint	Seed	Total
	In Pounds		Turnout		Color-	Fiber				CCC	Gross	Gross	Gross
	Lint	Seed	Lint	Seed	Leaf ³	Length (inches)	Mic	Strength (gram/tex)	Uniformity	Loan	Return	Return ⁴	Return
									Value	(\$/acre)	(\$/acre)	(\$/acre)	
PHY 499 WRF	201	334	0.30	0.50	12-1*	0.96	3.8	25.5	78.8	\$48.87	\$98.20	\$41.79	\$139.99
AM 1511 B2RF	195	335	0.31	0.54	12-2*	0.93	3.4	24.1	77.5	\$45.75	\$89.10	\$41.86	\$130.96
DG 2595 B2RF	187	322	0.31	0.53	22-1*	0.96	3.9	22.3	77.3	\$46.72	\$87.32	\$40.28	\$127.60
PHY 367 WRF	183	337	0.28	0.52	12-2*	0.96	3.5	23.1	78.1	\$46.28	\$84.51	\$42.07	\$126.58
FM 1740 B2F	178	348	0.28	0.54	11-1*	0.96	3.5	22.6	77.4	\$46.08	\$81.98	\$43.46	\$125.45
ATX Edge B2RF	176	384	0.24	0.53	12-3*	0.98	3.6	23.4	76.5	\$46.45	\$81.66	\$48.01	\$129.67
ST 5458 B2F	158	333	0.25	0.53	12-3*	0.94	3.6	20.7	76.5	\$45.35	\$71.56	\$41.66	\$113.22
FM 2484 B2F	143	258	0.28	0.51	11-2*	0.99	3.6	23.7	77.9	\$47.43	\$68.00	\$32.25	\$100.25
FM 9170 B2F	151	292	0.25	0.49	11-2*	0.96	3.2	22.6	76.8	\$44.53	\$66.88	\$36.47	\$103.35
DP 1050 B2RF	133	217	0.31	0.51	12-1*	0.98	4.0	24.2	78.3	\$47.70	\$63.36	\$27.19	\$90.54
ST 4288 B2F	140	337	0.23	0.56	12-2*	0.95	3.2	20.9	76.3	\$42.32	\$59.44	\$42.11	\$101.54
FM 2989 GLB2	119	234	0.26	0.50	12-2*	1.00	3.9	24.9	78.3	\$48.47	\$57.65	\$29.23	\$86.88
Average	164	311	0.28	0.52	12-2	0.97	3.6	23.2	77.5	\$46.33	\$75.81	\$38.86	\$114.67
P>(F) ⁵	0.001	0.001	0.001	0.001	-	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Lsd (0.05 or 0.10)	25.9	31.8	0.035	0.024	-	0.233	0.266	1.38	0.930	\$1.90	\$11.45	\$3.98	\$13.99
C.V.	9.5	6.2	7.8	2.8	-	1.5	4.4	3.6	0.7	2.5	9.1	6.2	7.4

¹ Values for varieties shaded in yellow are not significantly different than the highest treatment in the column

² Fiber quality analysis conducted by sending three ginned fiber subsamples for HVI at the Fiber and biopolymer Research Institute, Texas Tech University, Lubbock, TX

³ color and leaf grade based on three samples. Values followed by an (*) indicate a difference between the samples.

⁴ Gross Seed Return based on \$250/ton

⁵ The statistical analysis indicates a general overview of the uniformity or variability of the test conditions, such as soil type, cultural practices, insect damage, etc. Trial locations with large least significant differences (LSD's) and CVs indicate a higher degree of variability. The smaller the LSD, the more precise are the test results and higher likelihood of identifying differences among varieties. Differences between varieties that are greater than the LSD indicate a significant difference between them for the measurement in a column. n.s. indicates no statistical difference among the treatments for that particular measurement/column

The information given herein is for educational purposes only. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by the Texas AgriLife Extension Service is implied.

Table 1. Agronomic Data from Daryl and Doyle Schnier's Dryland Cotton Variety Test (Tom Green County, 2011)

Variety ¹	Yield Per Acre				Fiber Quality ²						CCC Loan Value	Lint Gross Return (\$/acre)	Seed Gross Return ⁴ (\$/acre)	Total Gross Return (\$/acre)
	In Pounds		% Turnout		Color-Leaf ³	Fiber Length (inches)	Mic	Strength (gram/tex)	Uniformity					
	Lint	Seed	Lint	Seed										
FiberMax 1740 B2F	778	1147	0.28	0.41	22-2	1.04	5	29.5	80.5	\$49.50	\$385.13	\$143.43	\$528.56	
FiberMax 9170 B2F	694	1040	0.27	0.41	21-1	1.07	4.79	30.1	81	\$54.25	\$376.45	\$130.04	\$506.48	
Phytogen 499 WRF	677	1094	0.24	0.40	31-3	1.05	4.97	31.4	82	\$53.85	\$364.37	\$136.76	\$501.13	
Alltex Epic RF	677	1245	0.26	0.48	12-1	1.06	4.88	29.1	81.1	\$52.80	\$357.38	\$155.66	\$513.03	
Alltex Edge (81227) B2RF	645	1064	0.25	0.41	21-3	1.07	4.99	31.7	80	\$54.15	\$349.46	\$132.95	\$482.42	
Deltapine 1044 B2RF	660	1056	0.24	0.39	22-3	1.05	4.93	29.6	80.8	\$52.85	\$348.89	\$132.01	\$480.89	
Americot 1511 B2RF	714	1062	0.26	0.39	31-3	1.01	5.1	29.5	80.2	\$48.30	\$344.67	\$132.78	\$477.46	
DynaGro 2595 B2RF	693	1090	0.25	0.40	21-3	1.03	5.13	28.3	81	\$49.70	\$344.42	\$136.26	\$480.67	
Phytogen 375 WRF	649	1035	0.25	0.41	12-1	1.05	4.72	28.0	80.6	\$52.80	\$342.92	\$129.44	\$472.36	
Stoneville 5458 B2RF	687	1166	0.25	0.42	22-3	1.04	5.03	29.0	80.3	\$49.10	\$337.41	\$145.79	\$483.20	
Deltapine 1032 B2RF	611	863	0.28	0.39	21-1	1.06	4.86	28.4	80.7	\$54.00	\$329.90	\$107.87	\$437.77	
Stoneville 4288 B2RF	625	1171	0.23	0.43	22-2	1.05	4.45	26.9	79.7	\$52.80	\$329.74	\$146.33	\$476.06	
FiberMax 2484 B2F	580	1001	0.22	0.38	11-3	1.09	4.52	28.6	80.1	\$55.55	\$322.32	\$125.16	\$447.49	
Phytogen 367 WRF	589	911	0.25	0.39	22-3	1.08	4.56	29.9	81.3	\$54.05	\$318.34	\$113.93	\$432.28	
FiberMax 2989 GLB2	548	964	0.23	0.40	21-2	1.08	4.84	29.5	80.5	\$56.25	\$308.32	\$120.55	\$428.88	
Deltapine 1050 B2RF	576	870	0.25	0.38	12-1	1.06	4.67	27.9	79.9	\$52.80	\$304.03	\$108.70	\$412.73	
NexGen 4012 B2RF	577	960	0.24	0.41	21-1	1.04	4.6	26.4	80	\$51.95	\$299.85	\$120.05	\$419.91	
Phytogen 565 WRF	545	984	0.21	0.38	12-2	1.06	4.72	30.4	81.5	\$53.05	\$288.92	\$123.03	\$411.95	
Deltapine 1133 B2RF	503	777	0.26	0.39	21-1	1.08	4.95	31.5	82.1	\$56.45	\$284.14	\$97.18	\$381.32	
Alltex Dinero(81220)B2RF	566	907	0.27	0.43	22-3	1.01	4.79	25.4	78.6	\$47.65	\$269.49	\$113.33	\$382.82	
FiberMax 9160 B2F	496	887	0.23	0.40	21-2	1.06	4.72	27.3	80.8	\$54.00	\$267.98	\$110.87	\$378.85	
FiberMax 9180 B2F	474	891	0.22	0.42	11-2	1.10	4.45	32.1	81.3	\$56.45	\$267.61	\$111.41	\$379.02	
Average	617	1009	0.25	0.41	-	1.06	4.80	29.1	80.6	\$52.83	\$324.62	\$126.07	\$450.69	
P>(F) ⁵	0.001	0.001	-----	-----	-----	Min/Max	-----	-----	-----	----	---	---	---	
Lsd (0.05 or 0.10)	99.6	162	0.21	0.38	-	1.01	4.45	25.4	78.6	\$47.65	\$267.61	\$97.18	\$378.85	
C.V.	11.5	11.3	0.28	0.48	-	1.10	5.13	32.1	82.1	\$56.45	\$385.13	\$155.66	\$528.56	

¹ Values for varieties shaded in yellow are not significantly different than the highest treatment in the column and values shaded in tan are above the average value for that parameter/column

² Fiber quality analysis conducted by sending one ginned fiber subsample for HVI at the Fiber and biopolymer Research Institute, Texas Tech University, Lubbock, TX

³ color and leaf grade based on one subsample.

⁴ Gross Seed Return based on \$250/ton

⁵ The statistical analysis indicates a general overview of the uniformity or variability of the test conditions, such as soil type, cultural practices, insect damage, etc. Trial locations with large least significant differences (LSD's) and CVs indicate a higher degree of variability. The smaller the LSD, the more precise are the test results and higher likelihood of identifying differences among varieties. Differences between varieties that are greater than the LSD indicate a significant difference between them for the measurement in a column. n.s. indicates no statistical difference among the treatments for that particular measurement/column. Maximum and minimum values in a column are listed for parameters based on a single sample.

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