

**Table xx. Nueces County RACE Trial, 2021**

Cooperator: Darrell Lawhon

Jason Ott - Nueces County Extension Agent, Agriculture and Natural Resources

Dr. Josh McGinty, Clinton Livingston, and Rudy Alaniz - Texas A&M AgriLife Extension, Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac)	
PHY 400 W3FE	909	a	43.6	a	4.8	a	1.13		31.1	ab	81.5		53.62		487	a
DP 2012 B3XF	900	a	41.5	cd	4.8	a	1.14		30.4	bcd	81.0		53.58		483	a
DP 2020 B3XF	865	ab	41.4	cd	4.7	a	1.12		29.3	de	81.4		53.37		462	ab
DG 3555 B3XF	755	bc	41.4	cd	4.2	bcd	1.16		30.8	abc	82.6		54.08		408	bc
DG H959 B3XF	754	bc	40.7	d	4.6	ab	1.14		32.0	a	81.7		54.05		408	bc
ST 5091 B3XF	732	c	42.8	ab	3.9	d	1.09		28.3	e	80.7		52.57		385	cd
PHY 332 W3FE	712	c	42.1	bc	4.2	cd	1.11		31.4	ab	81.6		53.63		382	cd
NG 5150 B3XF	662	c	41.8	bcd	3.9	d	1.13		30.1	bcd	82.3		53.92		357	cd
NG 4936 B3XF	629	c	38.5	e	4.0	d	1.12		29.7	cde	82.3		53.43		336	d
FM 2398 GLTP	628	c	43.3	a	4.6	abc	1.13		30.4	bcd	82.4		52.83		331	d
Mean	755		41.7		4.4		1.13		30.4		81.7		53.51		404	
P>F	0.0072		<0.0001		0.0087		0.293		0.0066		0.3549		0.1451		0.0065	
LSD (P=.10)	131.46		1.174		0.465		NS		1.341		NS		NS		70.552	
STD DEV	129.27		1.56		0.44		0.03		1.30		1.04		0.71		69.88	
CV%	17.13		3.74		9.98		2.66		4.28		1.28		1.33		17.30	

**Table xx. Nueces County RACE Trial, 2021**

Cooperator: Texas A&M AgriLife Research and Extension Center

Jason Ott - Nueces County Extension Agent, Agriculture and Natural Resources

Dr. Josh McGinty, Clinton Livingston, and Rudy Alaniz - Texas A&M AgriLife Extension, Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac)	
ST 5091 B3XF	2135	a	41.2	a	4.4	bc	1.17	de	30.5	c	83.0	bc	54.10	a	1155	a
PHY 400 W3FE	1924	ab	41.0	a	4.3	bcd	1.20	bc	33.4	a	83.9	ab	54.44	a	1048	ab
DG 3402 B3XF	1905	ab	38.4	de	4.1	cd	1.20	bc	33.1	ab	83.9	ab	54.46	a	1037	ab
DP 2012 B3XF	1847	abc	38.9	cd	4.2	bcd	1.21	bc	31.9	b	83.4	abc	54.41	a	1005	ab
DG H959 B3XF	1817	bc	38.1	e	4.5	b	1.23	a	32.9	ab	82.7	c	54.35	a	987	b
PHY 332 W3FE	1805	bc	38.8	cde	4.0	d	1.20	bc	33.1	ab	82.7	c	54.41	a	982	b
DP 2020 B3XF	1726	bc	39.2	c	4.4	b	1.22	ab	31.9	b	84.1	a	54.45	a	940	bc
FM 2398 GLTP	1547	cd	41.5	a	4.9	a	1.19	cd	32.3	ab	83.5	abc	52.69	b	813	cd
NG 4936 B3XF	1409	d	38.3	de	4.1	cd	1.22	ab	30.6	c	83.4	abc	54.25	a	764	d
NG 5150 B3XF	1376	d	40.1	b	4.2	bcd	1.16	e	30.5	c	82.5	c	54.09	a	744	d
Mean	1749		39.5		4.3		1.20		32.0		83.3		54.2		948	
P>F	0.0042		<0.0001		0.005		<0.0001		0.0005		0.0677		0.0071		0.0021	
LSD (P=.10)	301.89		0.699		0.321		0.020		1.219		0.92837		0.708		159.11	
STD DEV	323.30		1.34		0.33		0.03		1.38		0.85		0.73		176.32	
CV%	18.48		3.40		7.67		2.19		4.31		1.02		1.35		18.61	

**Table xx. San Patricio County RACE Trial, 2021**

Cooperator: Robert Rieder

Bob McCool - San Patricio County Extension Agent, Agriculture and Natural Resources

Dr. Josh McGinty, Clinton Livingston, and Rudy Alaniz - Texas A&M AgriLife Extension, Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac)	
PHY 332 W3FE	1302	a	41.3	cd	4.8	b	1.20	ab	32.3	ab	83.7	ab	54.37	a	708	a
DG 3555 B3XF	1264	ab	41.5	bcd	4.4	c	1.20	ab	31.7	bcd	84.5	a	54.40	a	688	ab
PHY 400 W3FE	1245	ab	42.6	a	4.8	b	1.16	cde	33.3	a	83.7	ab	54.30	a	676	ab
DP 2012 B3XF	1221	abc	41.7	bc	4.7	b	1.18	bcd	31.0	cde	83.9	ab	54.27	a	663	abc
ST 5091 B3XF	1228	ab	42.3	ab	4.7	b	1.13	e	29.6	f	82.5	c	53.75	a	660	bc
DP 2020 B3XF	1206	bc	40.6	de	4.8	b	1.23	a	32.1	b	84.1	a	54.42	a	657	bc
DG H959 B3XF	1139	c	40.1	e	4.6	bc	1.19	bc	32.1	b	82.8	c	54.32	a	619	c
FM 2398 GLTP	897	d	43.0	a	5.1	a	1.15	de	32.0	bc	84.0	ab	52.28	b	469	d
NG 4936 B3XF	762	e	39.9	e	4.7	b	1.19	bc	30.7	de	83.7	ab	54.22	a	413	e
NG 5150 B3XF	744	e	41.7	bc	5.0	a	1.15	de	30.5	ef	83.2	bc	52.42	b	390	e
Mean	1101		41.5		4.7		1.18		31.5		83.6		53.87		594	
P>F	<0.0001		<0.0001		0.0011		0.0023		0.0005		0.0242		0.0226		<0.0001	
LSD (P=.10)	87.55		0.822		0.214		0.033		1.052		0.878		1.168		46.26	
STD DEV	215.55		1.16		0.23		0.04		1.28		0.79		1.06		121.27	
CV%	19.58		2.80		4.87		2.99		4.06		0.95		1.97		20.41	

**Table xx. DeWitt County RACE Trial, 2021**

Cooperator: Tracy Metting

Anthony Netardus - DeWitt County Extension Agent, Agriculture and Natural Resources  
 Dr. Josh McGinty, Clinton Livingston, and Rudy Alaniz - Texas A&M AgriLife Extension, Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac)	
DG 3555 B3XF	1575	a	44.4	ab	4.9		1.15	a	29.3		82.3		53.12		836	a
PHY 400 W3FE	1501	ab	45.3	a	4.8		1.10	c	27.3		81.2		51.60		775	b
DP 2012 B3XF	1400	bc	43.5	abc	4.9		1.10	c	27.8		82.0		53.35		747	bc
FM 2398 GLTP	1436	bc	45.0	a	5.1		1.11	bc	28.8		81.8		51.70		743	bc
DP 2020 B3XF	1363	cd	43.7	abc	4.9		1.12	bc	30.0		82.9		53.60		731	bcd
NG 5150 B3XF	1399	bc	43.9	ab	5.0		1.14	ab	28.9		83.5		52.22		730	bcd
DG H959 B3XF	1363	cd	43.0	bcd	4.9		1.14	ab	29.3		83.0		52.73		718	b-e
PHY 332 W3FE	1367	cd	42.9	bcd	5.0		1.09	c	28.0		82.2		51.13		698	cde
NG 4936 B3XF	1261	de	41.4	d	4.7		1.12	bc	28.0		82.8		53.38		673	de
ST 5091 B3XF	1242	e	41.8	cd	4.9		1.16	a	30.5		82.8		53.23		661	e
Mean	1391		43.5		4.9		1.12		28.8		82.5		52.61		731	
P>F	0.0028		0.0502		0.1782		0.0186		0.3255		0.2804		0.5594		0.0055	
LSD (P=.10)	113.51		1.971		NS		0.033		NS		NS		NS		61.3	
STD DEV	120.16		1.68		0.17		0.03		1.65		1.04		1.65		62.23	
CV%	8.64		3.87		3.47		2.70		5.72		1.26		3.13		8.51	

**Table xx. Calhoun County RACE Trial, 2021**

Cooperator: Danny May

Greg Baker - Calhoun County Extension Agent, Agriculture and Natural Resources  
 Stephen Biles - Victoria, Calhoun, and Refugio County IPM Agent, Port Lavaca  
 Dr. Josh McGinty, Clinton Livingston, and Rudy Alaniz - Texas A&M AgriLife Extension, Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac)	
PHY 400 W3FE	1384	a	45.1	a	4.5	d	1.19	ab	32.5	ab	83.4		54.37	a	752	a
DP 2020 B3XF	1371	a	40.6	e	4.6	cd	1.22	a	31.6	bc	83.7		54.35	ab	745	ab
DG 3555 B3XF	1349	ab	41.6	d	4.1	e	1.17	bcd	30.3	cde	83.0		54.10	ab	730	ab
ST 5091 B3XF	1340	ab	42.6	c	4.5	d	1.14	de	29.2	e	81.7		53.68	ab	719	ab
NG 5150 B3XF	1342	ab	42.8	c	4.8	b	1.12	e	29.4	e	82.3		53.42	b	717	ab
DP 2012 B3XF	1308	ab	42.0	cd	4.8	b	1.19	ab	31.5	bc	83.4		54.15	ab	708	b
FM 2398 GLTP	1271	bc	44.3	b	5.2	a	1.15	cde	31.0	bcd	83.2		52.02	c	661	c
NG 4936 B3XF	1221	c	40.4	e	4.5	d	1.18	bc	29.6	de	84.3		54.07	ab	660	c
PHY 332 W3FE	1203	c	42.0	cd	4.2	e	1.20	ab	33.3	a	83.5		54.45	a	655	c
DG H959 B3XF	1088	d	39.5	f	4.7	bc	1.19	ab	32.5	ab	82.6		54.33	ab	591	d
Mean	1288		42.1		4.6		1.17		31.1		83.1		53.89		694	
P>F	<0.0001		<0.0001		<0.0001		0.0039		0.0017		0.2158		0.0098		<0.0001	
LSD (P=.10)	78.79		0.811		0.164		0.035		1.561		NS		0.9486		40.37	
STD DEV	107.87		1.73		0.31		0.00		1.64		1.13		0.91		57.86	
CV%	8.38		4.10		6.87		0.30		5.27		1.36		1.68		8.34	

**Table xx. Hidalgo County RACE Trial, 2021**

Cooperator: Ybarra Bros. Farm

Vidal Saenz - Hidalgo County Extension Agent, Agriculture and Natural Resources  
 Danielle Sekula - Hidalgo, Cameron, and Willacy County IPM Agent - Weslaco, TX  
 Dr. Josh McGinty, Clinton Livingston, and Rudy Alaniz - Texas A&M AgriLife Extension, Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac)	
NG 5150 B3XF	1232		39.6	ab	4.9	ab	1.16	bcd	30.3	cd	83.4		52.73	bcd	658	
FM 2398 GLTP	1173		41.5	a	5.3	a	1.15	cd	31.9	bc	83.5		51.32	d	601	
DP 2012 B3XF	1109		39.6	ab	4.8	bc	1.15	cd	31.1	bc	82.4		54.10	abc	600	
NG 4936 B3XF	1093		38.2	b	4.4	cd	1.22	a	31.7	bc	83.9		54.28	ab	593	
PHY 400 W3FE	1022		39.5	ab	4.5	bc	1.15	cd	32.0	b	82.9		52.62	cd	550	
DP 2020 B3XF	1010		38.4	b	4.7	bc	1.17	bcd	31.2	bc	83.2		54.20	abc	548	
DG 3402 B3XF	989		38.6	b	4.8	bc	1.18	a-d	32.1	b	84.1		54.33	ab	537	
PHY 332 W3FE	960		37.8	b	4.1	d	1.20	ab	34.0	a	82.9		54.42	a	523	
DG H959 B3XF	942		39.5	ab	4.8	bc	1.19	abc	32.7	ab	83.4		54.33	ab	512	
ST 5091 B3XF	917		41.2	a	4.6	bc	1.14	d	29.4	d	83.2		53.40	abc	491	
Mean	1045		39.4		4.7		1.17		31.6		83.3		53.57		561	
P>F	0.7797		0.0893		0.0153		0.0566		0.0115		0.5526		0.0496		0.8618	
LSD (P=.10)	NS		2.071		0.421		0.041		1.634		NS		1.630		NS	
STD DEV	384.48		1.69		0.40		0.04		1.52		0.95		1.46		208.50	
CV%	36.80		4.28		8.58		3.67		4.81		1.14		2.72		37.15	

**Table xx. Hidalgo County RACE Trial, 2021**

Cooperator: Texas AgriScience, LLC

Vidal Saenz - Hidalgo County Extension Agent, Agriculture and Natural Resources

Danielle Sekula - Hidalgo, Cameron, and Willacy County IPM Agent - Weslaco, TX

Dr. Josh McGinty, Clinton Livingston, and Rudy Alaniz - Texas A&M AgriLife Extension, Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac)	
PHY 332 W3FE	1869	a	41.6	ab	5.2	ab	1.15	bcd	32.5	a	84.0		51.40	c	958	a
DP 2020 B3XF	1765	ab	39.7	c	4.8	de	1.17	ab	32.0	ab	83.9		53.42	ab	945	a
DG H959 B3XF	1724	ab	38.1	d	5.1	bc	1.18	ab	33.0	a	84.1		51.95	bc	896	a
PHY 400 W3FE	1657	ab	41.6	ab	4.9	cde	1.14	cd	32.9	a	84.2		53.02	ab	871	a
ST 5091 B3XF	1528	ab	42.5	ab	4.8	e	1.14	d	30.3	c	83.9		53.15	ab	814	a
DP 2012 B3XF	1464	ab	41.3	b	4.8	de	1.18	ab	30.9	bc	83.4		54.23	a	795	a
FM 2398 GLTP	1407	abc	42.6	a	5.5	a	1.16	bcd	33.2	a	84.7		50.43	c	710	ab
DG 3402 B3XF	1303	bc	39.2	cd	4.7	e	1.17	bc	32.2	ab	84.2		54.33	a	708	ab
NG 4936 B3XF	857	cd	39.9	c	4.9	cde	1.20	a	30.9	bc	85.0		54.30	a	466	bc
NG 5150 B3XF	741	d	42.2	ab	5.1	bcd	1.14	d	30.0	c	83.3		53.08	ab	395	c
Mean	1432		40.9		5.0		1.16		31.8		84.1		52.93		756	
P>F	0.323		<0.0001		0.0046		0.0221		0.012		0.6626		0.0036		0.0481	
LSD (P=.10)	556.23		1.326		0.293		0.029		1.563		NS		1.528		299.54	
STD DEV	565.31		1.71		0.30		0.03		0.26		0.96		1.58		295.69	
CV%	39.49		4.19		5.98		2.26		0.83		1.14		2.98		39.13	

**Table xx. Cameron County RACE Trial, 2021**

Cooperator: James Bauer

Marco Ponce - Cameron County Extension Agent, Agriculture and Natural Resources

Danielle Sekula - Hidalgo, Cameron, and Willacy County IPM Agent - Weslaco, TX

Dr. Josh McGinty, Clinton Livingston, and Rudy Alaniz - Texas A&M AgriLife Extension, Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac)	
PHY 332 W3FE	1172	a	42.6		4.9		1.13		30.4	ab	83.3		53.70		629	a
PHY 400 W3FE	1177	a	44.7		4.9		1.13		29.3	abc	82.3		52.60		619	a
DP 2020 B3XF	1065	b	43.4		5.0		1.15		29.8	abc	83.1		52.85		563	b
DP 2012 B3XF	1033	bc	44.5		5.1		1.11		28.5	cd	82.1		51.70		535	bc
DG 3402 B3XF	987	c	43.2		4.8		1.14		28.2	cde	83.0		53.78		531	bc
NG 5150 B3XF	996	bc	44.1		4.9		1.08		26.4	e	81.7		51.40		513	cd
ST 5091 B3XF	995	bc	45.1		4.9		1.12		27.5	de	81.8		51.20		510	cd
NG 4936 B3XF	886	d	41.9		4.6		1.10		28.7	bcd	82.8		53.38		473	de
FM 2398 GLTP	876	d	43.9		5.0		1.12		28.6	bcd	82.4		52.27		458	ef
DG H959 B3XF	790	e	41.6		4.9		1.15		30.6	a	82.2		53.18		420	f
Mean	998		43.5		4.9		1.12		28.8		82.5		52.61		525	
P>F	<0.0001		0.1101		0.1076		0.1368		0.0221		0.5984		0.4283		<0.0001	
LSD (P=.10)	75.02		NS		NS		NS		1.830		NS		NS		46.61	
STD DEV	134.13		1.68		0.17		0.03		1.65		1.04		1.65		74.75	
CV%	13.45		3.87		3.47		2.70		5.72		1.26		3.13		14.24	

**Table xx. Variety ranking based on lint yield. Coastal Bend, 2021.**

Variety	Trial				Mean
	Nueces -	Nueces -	San	DeWitt	
PHY 400 W3FE	1	2	3	2	2.0
DG 3555 B3XF	4		2	1	2.3
ST 5091 B3XF	6	1	4	1	3.0
DP 2012 B3XF	2	4	5	4	3.8
PHY 332 W3FE	7	6	1	6	5.0
DP 2020 B3XF	3	7	6	8	6.0
DG H959 B3XF	5	5	7	7	6.0
FM 2398 GLTP	10	8	8	3	7.3
NG 5150 B3XF	8	10	10	5	8.3
NG 4936 B3XF	9	9	9	9	9.0

**Table xx. Variety ranking based on lint yield. Lower Rio Grande Valley irrigated trials, 2021.**

Variety	Trial			Mean
	Hidalgo -	Hidalgo -	Cameron	
PHY 400 W3FE	5	4	1	3.3
DP 2020 B3XF	6	2	3	3.7
PHY 332 W3FE	8	1	2	3.7
DP 2012 B3XF	3	6	4	4.3
NG 5150 B3XF	1	10	5	5.3
FM 2398 GLTP	2	7	9	6.0
NG 4936 B3XF	4	9	8	7.0
ST 5091 B3XF	10	5	6	7.0
DG 3402 B3XF	7	8	7	7.3
DG H959 B3XF	9	3	10	7.3

**Table xx. Lower Rio Grande Valley Monster Cotton Variety Trial, 2021**

Cooperator: Texas AgriScience, LLC - Lyford, TX

Dr. Josh McGinty, Clinton Livingston, and Rudy Alaniz - Texas A&M AgriLife Extension, Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac)	
PX 1140A383-04	2687	a	41.8	a-d	4.9	c-j	1.20	bcd	35.5	b	84.5	a-d	53.85	a-d	1447	a
PX 1150A450-04	2542	ab	40.5	a-e	4.9	c-j	1.14	h-o	34.0	c-h	84.5	a-d	54.29	ab	1380	ab
PX 4B08 W3FE	2549	ab	41.9	abc	4.9	c-i	1.14	i-o	33.0	h-l	83.6	d-k	53.33	a-f	1358	abc
PHY 400 W3FE	2420	abc	41.3	a-e	4.7	h-l	1.18	c-g	33.4	f-j	83.7	d-j	54.33	ab	1315	a-d
PHY 332 W3FE	2283	bcd	40.2	c-f	4.6	j-m	1.20	abc	33.3	g-k	83.5	g-k	54.40	a	1242	b-e
PHY 390 W3FE	2228	b-e	39.6	c-h	4.6	klm	1.20	bcd	34.4	b-g	83.8	c-j	54.41	a	1212	b-f
ST 4550 GLTP	2217	b-e	42.8	a	4.8	e-k	1.17	d-i	33.9	c-h	84.0	c-i	54.10	abc	1201	b-g
PHY 545 W3FE	2231	b-e	41.1	a-e	4.6	i-m	1.11	no	32.9	h-m	84.3	a-h	53.11	c-g	1186	b-g
DP 1948 B3XF	2159	cde	40.2	b-f	4.7	h-m	1.23	a	34.6	b-f	84.0	c-i	54.43	a	1175	c-g
DP 2020 B3XF	2162	cde	41.0	a-e	4.7	f-l	1.18	b-e	31.7	n	83.5	f-k	53.69	a-e	1163	c-g
PX 1150A453-04	2116	c-f	39.9	c-f	4.9	d-j	1.15	e-l	36.9	a	84.4	a-f	53.75	a-d	1139	d-g
DP 2012 B3XF	2091	c-f	40.2	b-f	4.7	h-m	1.16	e-k	33.5	e-j	83.6	d-k	54.28	abc	1135	d-h
DP 1646 B2XF	2055	c-f	41.5	a-e	4.4	m	1.21	ab	31.7	mn	83.3	ijk	54.36	a	1117	d-h
PHY 480 W3FE	2013	d-g	39.4	d-h	4.9	d-j	1.13	k-o	32.2	k-n	84.4	a-e	53.99	a-d	1087	e-i
PX 1140A385-04	2064	c-f	41.6	a-e	5.0	a-e	1.11	o	35.1	bc	85.0	ab	52.53	e-h	1086	e-i
SSG UA 222	2041	def	37.5	gh	5.0	b-g	1.21	ab	32.3	j-n	84.2	a-h	53.19	b-g	1086	e-i
PX 1150A452-04	1969	d-h	41.1	a-e	4.5	lm	1.12	l-o	34.7	b-e	84.1	b-i	53.79	a-d	1059	e-i
FM 1953 GLTP	1967	d-h	37.9	fgh	4.7	g-l	1.17	c-h	33.3	g-k	83.5	f-k	53.71	a-d	1057	e-i
PHY 443 W3FE	1972	d-h	42.6	ab	4.8	e-k	1.12	mno	33.3	g-k	84.3	a-g	53.35	a-f	1050	e-i
SSG UA 107	1926	d-i	40.0	c-f	4.7	g-l	1.15	f-m	31.8	lmn	83.6	e-k	53.96	a-d	1041	f-i
ST 5091 B3XF	1920	d-j	40.8	a-e	4.6	klm	1.13	j-o	31.3	n	83.4	h-k	54.05	a-d	1038	f-i
PX 1130A329-04	1939	d-h	42.0	abc	5.1	a-d	1.18	b-e	34.9	bcd	83.3	ijk	52.14	g-j	1014	f-j
PHY 360 W3FE	1899	e-j	40.0	c-f	4.7	i-m	1.15	g-n	31.4	n	82.9	jk	53.19	b-g	1008	g-k
NG 3195 B3XF	1772	f-k	40.0	c-f	4.9	b-h	1.13	j-o	31.5	n	83.8	c-j	52.91	d-g	936	h-l
FM 1730 GLTP	1644	g-l	39.2	e-h	4.6	klm	1.16	e-k	33.7	d-h	84.3	a-g	54.36	a	894	i-l
NG 4190 B3XF	1633	h-l	40.5	a-e	4.7	e-k	1.16	e-l	32.3	i-n	84.0	c-i	54.29	ab	887	i-l
NG 4936 B3XF	1508	klm	39.8	c-h	4.6	i-m	1.18	b-f	31.4	n	84.1	b-i	54.28	abc	818	j-m
NG 5150 B3XF	1546	jkl	41.2	a-e	5.0	b-f	1.16	e-j	31.7	mn	83.3	ijk	52.41	f-i	811	klm
ST 4993 B3XF	1554	i-l	40.2	c-f	5.2	abc	1.13	i-o	34.3	b-g	85.0	a	51.26	ij	798	lm
DP 1840 B3XF	1440	klm	37.4	h	4.6	klm	1.18	b-g	33.5	e-i	82.7	k	54.30	ab	782	lmn
FM 2398 GLTP	1308	lm	40.9	a-e	5.3	a	1.15	e-l	31.8	lmn	84.6	abc	51.66	hij	671	mn
AMX 20B037 B3	1156	m	39.9	c-g	5.2	ab	1.14	h-o	35.3	b	85.0	ab	51.13	j	592	n
Mean	1969		40.4		4.8		1.16		33.3		83.9		53.53		1056	
P>F	<0.0001		0.0529		<0.0001		<0.0001		<0.0001		0.0017		<0.0001		<0.0001	
LSD (P= .10)	374.00		2.418		0.271		0.033		1.248		0.912		1.165		201.04	
STD DEV	488.17		2.22		0.29		0.04		1.72		0.88		1.28		269.40	
CV%	24.79		5.49		6.03		3.45		5.16		1.05		2.39		25.52	

**Table xx. Corpus Christi Monster Cotton Variety Trial, 2021**

Texas A&M AgriLife Research and Extension Center - Corpus Christi, TX

Dr. Josh McGinty, Clinton Livingston, and Rudy Alaniz - Texas A&M AgriLife Extension, Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac)	
PX 1140A383-04	2258	ab	41.3	f-k	4.8	b-j	1.19	i-o	34.6	bcd	84.6	a-d	54.46	a	1230	a
PX 4B08 W3FE	2282	a	43.7	a	4.8	b-i	1.12	t	32.4	k-p	83.7	d-k	52.93	cde	1209	ab
DP 2020 B3XF	2137	abc	39.5	nop	4.7	d-l	1.22	c-i	31.8	n-q	83.5	f-l	53.70	abc	1149	abc
PHY 332 W3FE	2100	abc	39.9	mno	4.4	m-r	1.22	c-i	34.0	c-g	83.9	b-j	54.46	a	1144	abc
ST 5091 B3XF	2084	a-d	42.4	b-e	4.5	i-q	1.20	g-m	31.0	qr	83.5	f-l	54.23	a	1130	a-d
PHY 480 W3FE	2090	a-d	40.4	k-n	4.3	n-r	1.14	rst	32.9	i-m	84.1	b-j	53.66	abc	1122	a-e
PHY 390 W3FE	2055	a-e	40.5	j-m	4.5	j-q	1.20	g-m	34.3	b-e	83.9	b-j	54.40	a	1118	a-e
NG 3195 B3XF	2091	a-d	42.4	bcd	5.0	a-e	1.17	m-q	31.7	opq	84.1	b-i	53.10	bcd	1114	a-e
PX 1130A329-04	2144	abc	42.8	abc	5.2	a	1.19	h-n	33.9	c-h	84.5	a-e	51.65	f	1107	a-e
DGX 14330 GLTP	2014	a-e	39.4	nop	4.7	e-l	1.24	abc	32.8	i-n	83.8	c-j	54.39	a	1096	a-e
DG 1464 GLTP	2012	a-e	40.8	i-m	4.9	a-f	1.24	b-e	32.4	j-p	83.6	e-l	53.74	abc	1083	a-f
PX 1150A450-04	1974	a-f	41.4	e-k	4.5	j-q	1.14	rst	33.2	f-k	84.0	b-j	54.24	a	1071	a-f
PX 1150A453-04	1965	a-f	41.7	d-i	4.6	h-p	1.18	l-p	37.2	a	84.5	a-e	53.85	abc	1060	a-f
DP 1948 B3XF	1932	a-g	40.7	i-m	4.2	rs	1.27	a	33.1	g-k	83.3	g-l	54.48	a	1053	a-f
DG H959 B3XF	1884	a-i	38.4	qrs	4.6	h-p	1.22	c-h	33.4	e-j	82.7	l	54.34	a	1024	a-g
PX 1140A385-04	1904	a-h	42.9	abc	4.8	b-i	1.15	p-s	35.2	b	85.3	a	53.75	abc	1022	a-g
DGX 20P25C B3XF	1876	b-i	41.9	c-h	4.3	qrs	1.24	bcd	32.6	j-o	83.6	e-l	54.41	a	1021	a-h
DG 3402 B3XF	1898	a-h	40.6	j-m	5.1	abc	1.18	k-o	31.6	opq	84.0	b-j	53.09	bcd	1006	b-i
PHY 360 W3FE	1857	b-i	40.6	j-m	4.7	e-l	1.17	n-r	31.0	qr	82.8	l	54.16	ab	1006	b-i
SSG UA 222	1865	b-i	37.9	s	4.8	b-i	1.20	g-l	31.4	pqr	84.2	b-g	53.73	abc	1003	b-i
PHY 545 W3FE	1843	c-i	42.1	b-f	4.3	o-s	1.14	rst	34.0	c-g	84.1	b-h	54.31	a	1001	b-i
ST 4550 GLTP	1887	a-i	43.0	ab	4.9	b-h	1.17	n-r	32.9	h-l	84.3	b-f	53.14	bcd	998	b-i
FM 1953 GLTP	1825	c-i	38.0	rs	4.4	l-r	1.19	h-n	32.4	k-p	83.2	h-l	54.34	a	992	b-i
PHY 400 W3FE	1814	c-i	41.5	d-j	4.7	d-l	1.21	f-l	34.5	bcd	84.3	b-f	54.44	a	987	c-i
PHY 443 W3FE	1798	c-i	41.0	g-l	4.5	k-q	1.16	o-r	34.9	bc	84.3	b-f	54.39	a	978	c-i
DGX 18502631C	1798	c-i	40.0	lmn	4.7	d-l	1.19	j-o	32.9	h-l	83.5	f-l	53.74	abc	966	c-i
DP 2012 B3XF	1686	d-j	40.1	lmn	4.8	c-k	1.19	h-n	32.2	k-p	84.3	b-f	54.36	a	917	d-j
DGX 20P04D B3XF	1670	e-j	40.8	i-m	4.6	h-p	1.21	d-j	34.0	c-g	83.9	b-j	54.45	a	910	e-j
DP 1646 B2XF	1601	f-k	41.7	d-i	4.6	h-o	1.25	ab	31.5	opq	83.2	jkl	54.33	a	870	f-k
NG 5150 B3XF	1574	f-k	41.0	h-l	4.9	b-h	1.20	g-l	31.7	opq	83.2	h-l	53.14	bcd	832	g-l
DGX 20P861D B3XF	1503	h-m	41.2	f-k	4.2	rs	1.23	b-f	32.0	l-q	84.5	a-e	54.44	a	818	g-m
ST 4993 B3XF	1530	g-l	41.5	d-j	4.9	a-g	1.15	qrs	34.2	b-f	84.7	ab	53.14	bcd	809	g-n
FM 1730 GLTP	1491	i-m	39.4	n-q	4.6	f-m	1.20	g-l	33.8	d-i	84.7	abc	53.88	abc	804	h-n
FM 2398 GLTP	1523	h-l	41.5	d-j	5.0	a-d	1.19	i-o	31.9	m-q	83.7	d-k	52.16	def	794	i-n
SSG UA 107	1367	j-m	38.6	p-s	4.6	g-n	1.21	f-k	32.8	i-n	84.1	b-h	53.81	abc	736	j-n
PX 1150A452-04	1254	klm	42.0	c-g	4.3	qrs	1.13	st	34.4	b-e	84.3	b-f	54.24	a	680	k-n
DG 3215 B3XF	1233	klm	38.9	o-r	4.0	s	1.21	e-k	30.4	r	83.2	i-l	54.24	a	669	k-n
DP 1840 B3XF	1223	klm	38.5	p-s	4.3	p-s	1.23	b-g	32.5	j-o	82.8	kl	54.39	a	665	k-n
NG 4936 B3XF	1149	lm	38.5	p-s	4.5	k-q	1.21	f-l	31.4	pqr	83.7	d-k	53.76	abc	620	lmn
AMX 20B037 B3XF	1166	lm	41.5	d-j	5.1	ab	1.16	o-r	34.7	bcd	85.3	a	51.90	ef	603	mn
NG 4190 B3XF	1117	m	41.4	d-k	4.6	h-p	1.19	j-o	31.6	opq	83.9	b-j	53.76	abc	596	n
Mean	1768		40.8		4.6		1.19		32.9		83.9		53.83		951	
P>F	<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001	
LSD (P=.10)	405.54		1.032		0.301		0.029		1.026		0.905		1.077		217.58	
STD DEV	436.55		1.65		0.38		0.04		1.61		0.90		1.12		235.90	
CV%	24.70		4.04		8.20		3.43		4.89		1.07		2.09		24.79	

**Table xx. Mid-Coast Monster Cotton Variety Trial, 2021**

Cooperator: Danny May - Port Lavaca, TX

Stephen Biles - Victoria, Calhoun, and Refugio County IPM Agent, Port Lavaca

Dr. Josh McGinty, Clinton Livingston, and Rudy Alaniz - Texas A&M AgriLife Extension, Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac)	
PHY 400 W3FE	1250	a	43.7	cde	4.7	e-i	1.13	f-j	31.4	c-g	83.0	c-h	53.54	a-f	670	a
DGX 14330 GLTF	1229	abc	40.7	mn	4.4	klm	1.16	c-f	30.5	f-k	82.7	e-k	54.08	ab	665	ab
PHY 480 W3FE	1235	ab	42.5	g-k	4.4	klm	1.12	g-k	31.3	c-g	83.7	a-d	53.74	a-e	664	ab
DG 1464 GLTP	1209	a-d	42.7	e-k	4.7	e-h	1.20	ab	31.4	c-g	81.2	l	54.18	ab	655	abc
DP 2012 B3XF	1207	a-d	42.4	ijk	4.6	f-k	1.13	f-j	29.4	klm	82.4	e-k	53.79	a-e	649	a-d
NG 4190 B3XF	1203	a-e	41.8	kl	4.7	d-g	1.13	f-j	29.7	i-m	82.8	d-j	53.88	a-d	648	a-d
DP 1646 B2XF	1175	a-e	43.1	d-j	4.5	g-k	1.22	a	30.8	f-j	82.9	d-h	54.20	ab	637	a-d
DP 2020 B3XF	1179	a-e	40.6	mn	4.6	f-k	1.17	cde	30.3	g-k	82.4	e-k	53.94	a-d	636	a-d
PHY 390 W3FE	1173	a-e	43.5	c-f	4.4	h-k	1.14	d-h	31.0	d-h	82.5	e-k	54.06	ab	635	a-d
DG 20P28B B3XF	1189	a-e	43.5	c-g	4.9	bcd	1.14	e-i	30.9	e-h	82.9	d-i	52.60	ghi	627	a-e
ST 5091 B3XF	1139	a-f	42.3	ijk	4.6	f-k	1.13	g-k	27.9	n	82.0	h-l	53.46	b-h	609	a-f
PHY 360 W3FE	1128	a-f	43.3	c-i	4.4	ijk	1.14	f-i	28.7	mn	81.8	jkl	53.74	a-e	606	a-f
PX 1130A329-04	1131	a-f	45.3	a	4.7	c-f	1.14	e-i	31.7	c-f	82.5	e-k	53.51	a-g	606	a-f
PX 4B08 W3FE	1134	a-f	45.4	a	4.7	e-i	1.09	lm	31.3	d-g	82.9	d-i	53.08	d-i	602	a-f
PX 1140A383-04	1104	a-g	43.4	c-h	4.2	lmn	1.17	bcd	33.8	a	83.2	c-f	54.39	a	601	a-f
PHY 443 W3FE	1090	a-g	43.7	cde	4.4	j-m	1.11	i-l	32.1	b-e	83.4	b-e	53.90	a-d	588	a-g
NG 5150 B3XF	1097	a-g	42.7	e-k	4.7	def	1.12	g-k	28.9	lmn	81.8	kl	52.70	f-i	578	b-g
ST 4550 GLTP	1092	a-g	44.2	bc	4.9	b-e	1.11	jkl	30.9	e-i	83.1	c-g	52.89	e-i	578	b-g
ST 4990 B3XF	1069	c-g	39.3	o	4.6	f-k	1.14	d-h	29.6	klm	82.8	d-k	53.90	a-d	576	b-g
PHY 332 W3FE	1054	d-g	41.3	lm	4.0	n	1.19	abc	32.2	bcd	81.9	jkl	54.31	ab	573	c-g
PX 1140A385-04	1067	c-g	44.7	ab	4.8	c-f	1.10	kl	34.2	a	84.4	a	53.48	a-h	571	c-g
NG 3195 B3XF	1057	d-g	42.5	h-k	4.7	e-i	1.12	h-k	29.9	h-l	83.3	cde	53.69	a-e	567	c-g
FM 2398 GLTP	1084	b-g	43.2	c-j	5.0	bc	1.13	g-k	29.9	h-l	82.2	g-l	51.60	jk	559	d-h
ST 4993 B3XF	1046	d-h	42.9	e-j	5.1	ab	1.13	g-k	33.1	ab	84.3	ab	51.55	jk	539	e-h
PX 1150A450-04	986	fgh	42.6	f-k	4.7	d-g	1.15	d-h	33.9	a	83.0	c-h	54.16	ab	534	fgh
DG H959 B3XF	979	fgh	40.5	mn	4.6	f-k	1.15	d-g	31.2	d-g	81.9	i-l	54.04	abc	529	fgh
AMX 20B037 B3	1041	e-h	43.3	c-i	5.3	a	1.12	g-k	32.5	bc	84.0	abc	50.76	k	529	fgh
PHY 545 W3FE	958	ghi	43.6	c-f	4.8	c-f	1.09	lm	31.0	d-h	82.2	f-l	52.19	ij	500	ghi
NG 4936 B3XF	882	hi	39.9	no	4.7	d-g	1.14	e-i	29.0	lmn	83.0	d-h	53.68	a-e	473	hi
DG 3422 B3XF	888	hi	40.7	mn	4.4	i-l	1.11	i-l	29.6	j-m	83.2	c-f	53.14	c-h	473	hi
PX 1150A453-04	799	i	42.2	jkl	4.6	f-j	1.09	lm	32.1	b-e	82.6	e-k	52.91	e-i	423	i
PX 1150A452-04	794	i	43.9	bcd	4.2	mn	1.06	m	31.2	d-g	82.1	h-l	52.58	hi	417	i
Mean	1083		42.7		4.6		1.13		31.0		82.8		53.36		579	
P>F	<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001	
LSD (P=.10)	164.79		1.033		0.250		0.028		1.214		1.010		0.918		90.22	
STD DEV	174.51		1.68		0.33		0.04		1.76		1.05		1.10		96.78	
CV%	16.11		3.94		7.20		3.35		5.68		1.27		2.07		16.73	

**Table xx. Upper Gulf Coast Monster Cotton Variety Trial, 2021**

Cooperator: Dean Hansen Farm - Danevang, TX

Dr. Josh McGinty, Clinton Livingston, and Rudy Alaniz - Texas A&M AgriLife Extension, Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac)	
DGX 20P861D B	1659	a	45.8	g-k	5.2	c-h	1.22	b	31.3	j-m	84.8	b-f	51.95	b-g	862	a
PHY 400 W3FE	1423	ab	45.8	g-k	5.1	d-i	1.19	b-e	33.9	b-g	85.1	a-d	52.07	b-f	741	ab
PHY 480 W3FE	1417	ab	44.4	klm	5.4	bc	1.17	d-i	33.0	f-i	85.0	a-d	50.83	f-i	718	ab
PX 1140A383-04	1371	a-d	46.5	e-j	5.4	bcd	1.20	bc	34.1	b-f	85.9	a	51.12	e-i	700	abc
DG 20P28B B3XF	1385	abc	48.9	ab	5.5	ab	1.16	f-k	32.5	g-j	84.5	c-h	50.45	hi	699	abc
PX 1140A385-04	1360	a-d	47.5	a-h	5.7	a	1.13	kl	34.7	abc	85.7	ab	50.43	hi	686	bc
PHY 360 W3FE	1340	a-e	46.7	c-i	5.2	c-g	1.15	ijk	30.5	lm	83.4	i-l	51.07	e-i	685	b-e
PHY 390 W3FE	1290	b-f	47.1	b-i	5.1	d-i	1.16	e-j	32.1	h-k	85.0	a-e	52.46	bcd	679	bcd
PHY 443 W3FE	1303	b-f	47.6	a-g	5.2	cde	1.15	ijk	34.5	a-d	85.2	abc	51.55	c-h	672	b-e
DP 2012 B3XF	1242	b-g	43.8	l	4.9	ghi	1.19	bcd	31.2	j-m	83.6	i-l	53.06	b	658	b-e
NG 4190 B3XF	1263	b-g	46.6	c-i	5.3	b-e	1.17	c-i	30.7	lm	83.9	f-l	51.22	d-i	645	b-f
PHY 332 W3FE	1169	b-h	44.4	klm	4.9	i	1.20	bc	33.0	f-i	83.4	i-l	54.38	a	636	b-f
PX 1150A453-04	1222	b-g	48.3	a-d	5.5	ab	1.15	ijk	35.7	a	84.1	e-j	50.76	ghi	623	b-g
PX 1130A385-04	1217	b-g	48.5	abc	5.5	ab	1.17	d-i	33.2	d-h	84.7	c-f	50.46	hi	614	b-g
PX 4808 W3FE	1214	b-g	47.9	a-f	5.4	bcd	1.11	l	31.8	i-l	83.6	i-l	50.43	hi	613	b-h
PX 1150A450-04	1171	b-h	45.4	i-l	5.3	b-e	1.17	d-i	34.1	b-f	85.0	a-e	51.02	e-i	598	b-i
ST 4550 GLTP	1171	b-h	48.1	a-f	5.5	ab	1.15	h-k	33.2	e-h	84.8	b-f	50.45	hi	591	b-i
PX 1150A452-04	1147	b-h	49.1	a	5.1	e-i	1.11	l	33.6	c-g	84.0	f-k	51.09	e-i	586	c-i
ST 4990 B3XF	1082	c-i	41.8	n	5.0	f-i	1.18	c-f	31.5	jkl	84.8	c-f	52.53	bc	568	c-j
NG 3195 B3XF	1084	c-i	45.8	h-k	5.2	c-f	1.15	g-k	31.9	i-l	84.3	d-i	51.50	c-h	559	c-j
DP 2020 B3XF	1050	d-j	45.4	i-l	4.9	i	1.19	b-e	30.7	lm	83.2	jkl	52.63	bc	552	c-j
PHY 545 W3FE	1035	e-j	48.2	a-e	5.2	c-f	1.15	ijk	33.2	e-h	85.2	abc	51.54	c-h	534	d-k
AMX 20B037 B3	982	e-j	46.5	c-j	5.0	e-i	1.15	h-k	34.7	a-e	85.0	a-f	52.43	b-e	518	c-k
DG H959 B3XF	999	f-j	42.6	mn	5.3	b-e	1.17	c-i	33.4	c-h	84.3	c-i	51.47	c-h	515	e-k
ST 5091 B3XF	964	g-j	46.7	d-i	5.1	e-i	1.16	g-k	30.0	m	83.1	kl	52.20	b-e	502	f-k
NG 5150 B3XF	953	g-j	45.5	ijk	5.2	c-f	1.18	c-h	30.8	klm	83.6	h-l	52.05	b-e	495	f-k
ST 4993 B3XF	956	g-j	48.2	a-e	5.7	a	1.14	jk	33.4	d-g	84.5	c-g	50.15	i	480	g-k
NG 4936 B3XF	860	hij	41.8	n	5.1	e-i	1.20	bc	31.1	j-m	84.2	d-j	52.67	bc	453	h-k
DP 1851 B3XF	842	ij	46.4	f-i	5.1	e-i	1.18	c-g	35.0	ab	85.2	abc	52.64	bc	443	ijk
DG 3422 B3XF	794	ij	44.7	jkl	5.0	e-i	1.16	g-k	31.2	j-m	83.7	g-l	52.89	b	419	jk
DP 1646 B2XF	800	ij	46.4	e-j	5.2	c-g	1.26	a	30.7	lm	83.0	l	52.05	b-f	417	jk
FM 2398 GLTP	747	j	47.1	b-i	5.7	a	1.16	f-k	31.1	j-m	84.8	b-f	50.33	hi	376	k
Mean	1141		46.3		5.2		1.16		32.6		84.4		51.62		588	
P>F	0.0003		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		0.0006	
LSD (P=.10)	334.44		1.717		0.237		0.030		1.283		1.011		1.190		172.74	
STD DEV	294.90		2.28		0.28		0.03		1.79		0.99		1.33		150.86	
CV%	25.86		4.93		5.34		2.98		5.49		1.18		2.58		25.64	