

**Table xx. Corpus Christi Monster Cotton Variety Trial, 2020**  
 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 (c/lbs)	Lint Value (\$/Ac)								
DGX 197312 GLTP	1472	a	43.7	a	4.3	abc	1.18	f-j	31.5	e-n	82.6	qrs	54.10	ab	797	a
NG 4936 B3XF	1393	abc	39.6	l-p	4.0	d-h	1.19	c-f	30.3	m-s	84.5	b-e	54.18	ab	755	ab
DG 3402 B3XF	1387	a-d	39.9	k-n	3.8	h-p	1.18	e-i	30.7	k-q	84.6	a-d	54.14	ab	751	abc
AMX19B003 B3XF	1396	ab	41.1	f-i	4.0	d-i	1.15	m-p	29.9	o-s	83.2	l-r	53.79	abc	751	a-d
DGX 19731 GLTP	1375	a-e	41.0	g-j	4.3	abc	1.19	d-h	31.2	g-o	83.3	k-r	54.13	ab	744	a-d
DP 19R228 B3XF	1380	a-d	42.5	bcd	4.3	abc	1.11	u	28.6	tuv	83.9	d-l	53.35	a-d	736	a-e
PHY 350 W3FE	1338	a-f	40.0	f-m	3.9	e-l	1.15	n-q	31.6	e-m	83.8	d-n	54.06	ab	723	a-f
AMX19A016 B3XF	1372	a-e	38.1	qrs	3.7	o-t	1.12	stu	28.9	s-v	81.7	t	52.08	de	715	a-g
DP 19R227 B3XF	1290	b-g	37.7	rst	4.5	a	1.15	n-q	31.2	g-o	83.9	d-l	53.89	ab	695	b-h
FM 2398 GLTP	1289	b-g	41.7	c-h	4.5	a	1.15	m-p	30.7	k-q	83.0	o-s	53.81	abc	693	b-i
DP 2020 B3XF	1277	b-h	39.4	m-p	3.9	e-l	1.19	c-g	31.3	f-n	84.3	c-g	54.30	a	693	b-i
BX 2192 B3XF	1271	b-h	40.8	h-k	4.2	bcd	1.25	a	31.1	i-p	84.4	b-f	54.24	a	689	b-i
ST 4550 GLTP	1254	b-h	43.1	ab	4.1	b-e	1.12	tu	30.5	l-r	83.5	h-p	53.84	ab	676	b-j
DP 19R237 B3XF	1238	b-j	39.8	l-o	4.1	b-f	1.26	a	32.6	b-f	85.3	a	54.40	a	674	b-k
PHY 400 W3FE	1243	b-i	40.8	h-k	3.8	h-q	1.16	j-o	32.4	c-h	83.0	o-s	54.09	ab	673	b-k
BX 2141 GLTP	1234	b-k	39.9	k-o	4.0	d-h	1.19	d-h	33.6	abc	84.3	c-i	54.33	a	670	b-l
PX3D32 W3FE	1255	b-h	38.9	n-q	3.6	r-u	1.19	c-g	32.0	d-k	83.5	g-p	53.08	a-e	668	b-l
DP 2012 B3XF	1229	b-l	39.7	l-o	3.9	e-m	1.16	i-n	29.4	q-u	84.1	c-k	53.90	ab	662	b-l
BX 2191 B3XF	1221	b-l	41.0	g-j	3.7	l-t	1.14	o-s	29.8	p-u	82.3	st	53.59	abc	654	c-m
AMX19B001 B3XF	1211	d-l	41.9	c-g	4.0	d-k	1.15	l-p	30.1	n-s	84.2	c-i	53.94	ab	653	c-m
PX3D43 W3FE	1217	c-l	41.4	e-i	3.9	f-n	1.12	stu	31.8	e-l	83.7	e-o	53.58	abc	652	c-m
NG 4098 B3XF	1199	e-l	37.6	st	3.8	k-s	1.21	bc	34.3	a	83.3	f-q	54.33	a	651	d-m
AMX19A015 B3XF	1227	b-l	35.2	v	3.5	tu	1.20	b-e	30.3	m-s	83.5	h-p	51.74	e	637	e-n
PX4B08 W3FE	1259	b-h	43.8	a	4.2	bcd	1.05	v	31.1	h-p	82.7	p-s	50.29	f	635	f-n
PHY 500 W3FE	1187	f-m	41.7	c-h	3.6	p-t	1.12	r-u	32.2	d-j	84.1	c-k	52.85	b-e	627	f-n
DP 1820 B3XF	1154	g-o	42.4	b-e	4.5	a	1.21	bcd	32.8	b-e	83.6	f-o	54.30	a	627	f-o
UA 114	1155	g-o	35.5	v	4.0	d-h	1.15	m-p	31.0	j-p	85.2	ab	54.13	ab	625	f-o
DP 1646 B2XF	1140	g-p	42.7	bc	4.0	d-j	1.21	bcd	31.0	j-p	83.7	e-o	54.18	ab	618	g-p
PHY 580 W3FE	1137	g-p	42.3	b-e	4.0	d-j	1.15	m-p	33.8	ab	84.3	c-g	54.15	ab	616	g-p
DGX 19008 B3XF	1143	g-p	42.1	c-f	3.8	h-p	1.19	d-h	28.5	uv	83.2	l-r	53.79	abc	615	h-q
AMX19A014 B3XF	1144	g-p	38.1	qrs	3.7	m-t	1.14	n-r	27.7	v	82.5	rst	53.55	abc	613	h-r
ST 4990 B3XF	1125	g-q	38.9	opq	4.1	b-e	1.17	h-m	30.4	l-r	84.1	c0j	54.01	ab	608	h-r
BX 2116 GLTP	1125	g-q	36.2	uv	3.7	l-t	1.15	m-p	31.0	j-p	83.8	d-o	53.98	ab	607	h-r
PHY 360 W3FE	1106	h-r	41.0	g-j	4.0	d-h	1.14	n-r	29.9	o-t	83.1	m-s	53.71	abc	594	i-s
PX5E28 W3FE	1180	f-n	38.1	qrs	3.3	u	1.17	h-m	32.2	d-j	83.9	d-m	49.10	fg	580	j-s
BX 2194 B3XF	1175	f-n	38.7	pqr	3.3	v	1.19	d-h	29.2	r-u	83.0	n-s	48.83	g	576	j-s
BX 2193 B3XF	1066	i-r	42.3	b-e	4.3	ab	1.12	stu	32.5	b-g	83.8	d-o	54.00	ab	576	j-s
PHY 390 W3FE	1101	h-r	40.4	i-l	3.7	n-t	1.16	k-p	31.6	e-m	83.4	i-p	52.45	cde	575	k-s
PX5C45 W3FE	1067	i-r	42.4	bcd	3.8	j-s	1.11	u	32.4	c-i	84.1	c0k	53.86	ab	575	k-s
DP 1948 B3XF	1058	k-r	41.4	d-h	3.8	h-p	1.22	b	33.3	a-d	83.9	d-l	54.34	a	575	k-s
DGX 19052 B3XF	1063	j-r	39.5	l-p	3.7	n-t	1.14	p-t	30.4	l-r	83.9	d-m	53.84	ab	572	l-s
PX5E34 W3FE	1157	g-o	37.8	rst	3.3	v	1.16	i-n	32.1	d-j	84.2	c-i	48.21	g	557	m-s
PHY 480 W3FE	1054	l-r	39.8	l-o	3.6	stu	1.13	q-u	30.9	j-p	84.3	b-g	52.06	de	547	n-s
DG 3421 B3XF	1015	m-r	41.8	c-h	4.5	a	1.13	q-u	31.5	e-n	84.3	c-h	53.73	abc	545	n-s
PHY 340 W3FE	1003	n-r	42.1	cde	3.8	i-r	1.12	stu	30.2	n-s	83.1	m-s	53.48	abc	537	n-s
DP 1845 B3XF	982	o-r	41.9	c-g	3.6	q-t	1.25	a	32.6	b-f	84.8	abc	54.31	a	533	o-s
UA 107	970	p-r	38.2	qrs	3.9	g-o	1.17	f-k	31.2	g-o	84.8	abc	54.18	ab	526	p-s
ST 5610 B3XF	957	qr	43.7	a	4.1	c-g	1.13	q-u	30.7	k-q	83.8	d-o	53.88	ab	516	qrs
UA 222	950	qr	36.8	tu	4.0	e-k	1.17	g-l	31.5	e-n	83.7	e-o	54.11	ab	514	rs
AMX19A018 B3XF	928	r	42.1	c-f	4.4	a	1.12	stu	30.7	k-q	83.8	d-o	53.74	abc	499	s
DGX 19003 B3XF	931	r	41.6	d-h	4.5	a	1.11	u	30.3	m-s	83.3	f-r	53.25	a-d	497	s
Mean	1178		40.4		3.9		1.16		31.1		83.7		53.39		629	
P>F	<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001	
LSD (P=.10)	178.77		1.015		0.225		0.021		1.355		0.838		1.375		99.78	
STD DEV	194.42		2.25		0.36		0.04		1.69		0.94		1.74		107.04	
CV%	16.50		5.59		9.05		3.69		5.43		1.13		3.26		17.01	

Table xx. Upper Gulf Coast Monster Cotton Variety Trial, 2020

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 197312 GLTP	1779	a	44.8	e-j	4.5	j-r	1.19	def	32.5	i-q	82.4	qr	54.15	a-d	964	a
DP 2020 B3XF	1763	a	42.6	q-t	4.6	f-n	1.19	def	31.6	p-t	83.8	d-m	54.15	a-d	955	ab
PX5C45 W3FE	1681	ab	44.9	e-j	4.6	g-p	1.11	rs	33.6	e-m	83.8	d-m	53.98	a-e	907	abc
PHY 480 W3FE	1648	abc	44.1	h-m	4.6	g-o	1.13	o-r	32.3	j-r	84.4	b-h	54.06	a-e	891	a-d
PHY 400 W3FE	1640	abc	45.3	d-g	4.6	f-n	1.17	f-l	33.3	g-o	83.5	g	54.23	a-d	889	a-d
PHY 350 W3FE	1626	a-d	43.7	k-q	4.5	k-s	1.15	l-p	32.2	k-r	84.2	c-k	54.10	a-e	880	a-e
AMX19B001 B3XF	1603	a-e	45.4	d-g	4.8	c-h	1.15	l-p	32.2	l-r	83.4	i-p	54.05	a-e	866	a-f
BX 2191 B3XF	1607	a-e	45.4	d-g	4.6	f-n	1.13	pqr	30.2	t-w	82.6	o-r	53.50	d-g	859	a-f
NG 4098 B3XF	1564	a-f	41.6	tu	4.5	i-q	1.23	ab	38.8	a	83.7	d-n	54.34	ab	850	a-g
19R227 B3XF	1564	a-f	38.9	w	4.8	c-h	1.16	g-l	33.7	d-k	83.6	f-n	54.14	a-d	847	a-h
DGX 19731 GLTP	1568	a-f	44.1	i-o	4.9	a-f	1.19	def	31.9	n-r	83.5	g-o	53.05	f-i	832	b-i
DGX 19052 B3XF	1515	b-g	43.2	m-r	4.3	qrs	1.16	h-l	32.2	l-r	83.2	l-r	54.05	a-e	818	c-j
AMX19B003 B3XF	1510	b-g	44.5	g-l	4.9	b-f	1.17	f-j	32.5	i-q	84.1	c-k	53.54	c-g	809	c-j
DGX 19008 B3XF	1479	b-h	44.1	h-m	4.8	c-j	1.18	e-h	30.0	uvw	83.3	k-q	53.93	a-e	798	c-j
PX3D43 W3FE	1469	b-h	45.0	e-i	4.4	m-s	1.13	pqr	35.0	b-e	84.5	a-e	54.08	a-e	794	c-j
PHY 500 W3FE	1465	b-h	43.6	k-q	4.4	o-s	1.14	m-q	34.2	c-h	84.0	c-l	54.05	a-e	792	c-j
PHY 360 W3FE	1449	b-j	43.4	l-q	4.7	d-l	1.15	k-o	31.8	o-s	83.1	m-r	53.94	a-e	781	c-k
DP 1646 B2XF	1458	b-i	45.8	b-e	4.9	a-f	1.23	ab	31.4	p-u	84.1	c-k	53.65	a-f	781	c-k
PX5E28 W3FE	1417	c-k	40.4	v	3.9	t	1.17	f-l	35.4	bc	84.2	c-k	54.31	abc	770	d-l
AMX19A014 B3XF	1428	c-j	41.5	tuv	4.6	f-m	1.16	g-l	30.3	s-w	82.5	pqr	53.90	a-e	770	d-l
DGX 3615 B3XF	1429	c-j	43.5	k-q	5.0	abc	1.17	f-k	33.9	c-i	83.7	e-n	53.04	f-i	759	e-l
BX 2193 B3XF	1443	b-j	43.9	j-p	5.1	ab	1.15	k-o	34.7	b-g	84.6	a-d	52.45	i	757	e-l
NG 4936 B3XF	1387	d-k	43.3	m-r	4.8	c-h	1.18	f-i	31.4	p-u	84.4	a-h	54.18	a-d	751	e-m
BX 2116 GLTP	1381	e-l	40.4	v	4.2	s	1.18	d-g	33.9	c-j	84.1	c-k	54.29	a-d	750	f-m
BX 2192 B3XF	1377	e-l	42.9	p-s	4.9	b-f	1.24	a	33.4	f-n	84.0	c-l	54.30	abc	748	f-m
PHY 390 W3FE	1371	e-l	44.6	f-k	4.7	f-m	1.16	h-l	33.6	e-m	83.8	d-m	54.18	a-d	743	f-m
ST 4550 GLTP	1381	e-l	45.7	c-f	4.6	g-p	1.12	qr	32.5	i-q	83.3	k-q	53.76	a-f	742	f-m
AMX19A016 B3XF	1383	e-l	42.0	st	4.7	c-k	1.13	pqr	29.1	w	82.3	r	53.56	b-f	740	f-m
PX3D32 W3FE	1356	f-m	43.0	o-s	4.5	l-s	1.22	bc	34.5	c-g	84.9	abc	54.39	a	737	f-n
BX 2141 GLTP	1341	f-n	42.3	rst	4.6	g-o	1.20	cd	35.2	bcd	85.3	a	54.36	a	729	g-o
19R228 B3XF	1348	f-m	46.9	ab	4.9	a-e	1.13	pqr	31.1	q-v	84.5	a-f	53.31	e-h	719	h-o
DG 3402 B3XF	1313	g-n	43.9	j-p	4.8	c-j	1.16	g-l	32.0	m-r	83.5	g-n	54.10	a-e	710	i-o
DGX 19003 B3XF	1380	e-l	45.2	d-h	5.1	a	1.12	qr	29.6	vw	82.8	n-r	51.28	j	706	i-o
DP 1948 B3XF	1270	h-o	43.8	j-p	4.3	qrs	1.25	a	36.2	b	85.3	ab	54.40	a	691	j-o
PX5E34 W3FE	1210	j-o	40.8	uv	4.3	qrs	1.17	f-k	33.9	c-i	84.5	a-e	54.31	abc	657	k-p
PX4B08 W3FE	1225	i-o	46.2	a-d	4.7	e-l	1.10	s	34.9	b-f	83.9	d-m	52.70	hi	645	l-p
PHY 340 W3FE	1184	k-o	44.9	e-j	4.4	o-s	1.15	j-n	33.6	d-l	84.4	a-g	54.16	a-d	642	l-p
DG 3421 B3XF	1214	j-o	44.8	e-j	5.0	a-d	1.13	pqr	31.3	p-u	84.2	c-j	52.76	ghi	642	l-p
AMX19A015 B3XF	1181	k-o	38.7	w	4.4	n-s	1.22	bc	32.4	i-q	83.9	d-m	54.28	a-d	641	l-p
ST 4990 B3XF	1154	l-o	41.9	st	4.7	e-l	1.17	f-k	31.9	n-r	84.5	a-e	54.20	a-d	626	m-p
DP 1845 B3XF	1150	l-o	44.2	h-m	4.3	p-s	1.24	a	35.0	b-e	84.3	c-i	54.35	ab	625	m-p
BX 2194 B3XF	1154	l-o	43.5	l-q	3.9	t	1.20	cde	30.8	r-v	83.3	j-p	54.09	a-e	624	m-p
ST 5610 B3XF	1123	m-p	46.5	abc	4.8	c-i	1.15	l-p	33.9	c-i	84.2	c-j	54.16	a-d	608	n-q
DP 2012 B3XF	1122	m-p	43.6	k-q	4.6	h-p	1.16	i-m	31.5	p-u	83.7	d-n	54.06	a-e	607	opq
ST 4480 B3XF	1106	nop	40.5	v	4.3	rs	1.22	bc	33.3	g-o	83.6	e-n	54.31	abc	601	opq
PHY 580 W3FE	1060	op	47.2	a	5.0	abc	1.15	l-p	34.7	b-g	84.6	a-d	52.99	f-i	559	pq
AMX19A018 B3XF	905	p	44.1	i-n	4.8	b-g	1.13	n-r	32.9	h-p	83.9	d-m	54.00	a-e	489	q
DGX 3799 B3XF*	611	q	43.0	n-s	5.1	ab	1.16	h-l	33.8	d-j	83.9	d-m	52.43	i	323	r
Mean	1371		43.6		4.6		1.17		32.9		83.9		53.82		738	
P>F	<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001	
LSD (P=.10)	239.79		1.114		0.253		0.022		1.560		0.914		0.793		129.18	
STD DEV	289.31		2.09		0.33		0.04		2.17		0.95		0.87		156.59	
CV%	21.11		4.79		7.16		3.45		6.60		1.14		1.61		21.22	