

# 2020 Upland Cotton Advanced Strain Testing Program

University of Arizona

Cooperative Extension

Experiment Station

Trial Results

Funded in part by Cotton Incorporated and Participating Seed Companies

Prepared by:

Dr. Randy Norton

Table. Trial locations and agronomic information for the University of Arizona Upland Cotton Advanced Strain Testing (UCAST) program, 2020.

	<b>Yuma, AZ</b>	<b>Maricopa, AZ</b>	<b>Safford, AZ</b>
<b>County:</b>	Yuma	Pinal	Graham
<b>City:</b>	Yuma	Maricopa	Safford
<b>GPS Coordinates:</b>	32.7093, -114.7093	33.0618, -111.9739	32.8131, -109.6786
<b>Planting Date:</b>	3/21/20	5/4/20	4/29/20
<b>Seeding Rate:</b>	5 seed/foot	5 seed/foot	5 seed/foot
<b>Initial Defoliation Date:</b>	9/2/20	10/5/20	10/5/20
<b>Harvest Date:</b>	10/1/20	11/12/20	11/5/20
<b>Tillage:</b>	Conventional	Conventional	Conventional
<b>Soil Class:</b>	Holtville clay	Casa Grande sandy loam	Grabe clay loam
<b>Irrigation System:</b>	Furrow/Flood	Furrow/flood	Furrow/flood
<b>Harvester Type:</b>	Plot harvester	Plot harvester	Plot harvester
<b>Gin Type:</b>	Table-top gin	Table-top gin	Table-top gin

Table. Early and mid-season data collected from the University of Arizona Upland Cotton Advanced Strain Testing (UCAST) program, Yuma, AZ, 2020.

Seed Company	Variety	Plant Population (plants/foot)	Plant Vigor Rating (0-9 L-H)	Plant Height (inches)	Nodes Above White Flower (NAWF)
NexGen	19A014B3XF	4.0	5.3	25.0	6.4
NexGen	19A015B3XF	4.0	5.3	27.0	6.6
NexGen	19A016B3XF	3.4	5.0	24.1	7.2
NexGen	19A018B3XF	4.1	6.7	28.5	5.9
Bayer	19R132B3XF	3.3	5.3	29.3	6.7
Bayer	19R237B3XF	4.5	7.0	31.6	6.1
BASF	BX2192B3XF	3.0	5.0	27.5	7.0
BASF	BX2194B3XF	4.2	5.7	25.1	6.9
Deltapine	DP1044B2RF	3.2	4.7	27.4	7.0
Deltapine	DP1549B2XF	4.0	5.0	28.1	7.8
Deltapine	DP1948B3XF	3.2	4.7	29.5	7.5
Deltapine	DP2012B3XF	4.3	6.0	30.5	7.4
Deltapine	DP2123B3XF	4.4	5.3	26.4	5.5
Deltapine	DP2127B3XF	3.7	6.7	29.6	6.6
Deltapine	DP2141NRB3XF	4.9	5.3	27.5	6.2
Deltapine	DP2143NRB3XF	4.3	6.0	27.9	7.3
FiberMax	FM1730GLTP	4.1	6.3	24.9	5.8
NexGen	NG3195B3XF	3.9	4.7	30.2	5.9
NexGen	NG4098B3XF	4.0	6.7	23.9	5.6
NexGen	NG4936B3XF	4.2	5.3	28.7	6.7
NexGen	NG5150B3XF	4.4	6.3	32.0	6.8
NexGen	NG5711B3XF	4.0	6.3	31.3	6.2
Phytogen	PHY332W3FE	4.3	7.3	30.8	7.4
Phytogen	PHY350W3FE	3.5	5.7	26.7	6.2
Phytogen	PHY390W3FE	5.3	6.7	25.7	6.0
Phytogen	PHY394W3FE	3.8	5.0	22.0	5.7
Phytogen	PHY400W3FE	4.2	5.0	26.7	6.4
Phytogen	PHY443W3FE	4.3	5.7	31.7	6.8
Phytogen	PHY480W3FE	3.3	5.0	26.4	8.1
Phytogen	PHY545W3FE	4.2	7.0	28.0	7.2
Phytogen	PHY580W3FE	4.7	7.0	30.2	6.9
Stoneville	ST4480B3XF	3.8	6.0	29.2	6.4
Stoneville	ST4550GLTP	3.5	6.0	28.7	6.0
Stoneville	ST4990B3XF	4.0	6.0	31.5	6.9
Stoneville	ST4993B3XF	3.5	6.7	29.6	7.2
Stoneville	ST5091B3XF	3.6	6.3	32.9	7.1
Stoneville	ST5600B2XF	2.3	5.3	29.2	6.6
Stoneville	ST5610B3XF	2.2	4.7	33.5	6.8
<b>MEAN</b>		<b>3.9</b>	<b>5.8</b>	<b>28.4</b>	<b>6.7</b>

Table. Yield and fiber quality results from the University of Arizona Upland Cotton Advanced Strain Testing (UCAST) program, Yuma, AZ, 2020.

Seed Company	Variety	Lint Yield (lbs/acre)		Lint (%)	Staple (32nds)	Micro.	Strength (g/tex)	Length (in)	Uniform (%)	Premium (cents/lb)	Value** (\$/acre)
Stoneville	ST5091B3XF	1515.7	a*	42.9	35	4.6	27.2	1.08	79.7	1.3	\$806.97
Deltapine	DP2127B3XF	1482.2	ab	44.8	35	5.5	28.3	1.10	81.6	-1.2	\$753.62
Deltapine	DP2123B3XF	1415.0	abc	40.4	36	4.8	27.8	1.11	80.4	2.3	\$767.58
NexGen	NG4098B3XF	1361.6	abcd	41.6	37	4.6	34.0	1.17	81.0	3.6	\$756.86
Deltapine	DP2141NRB3XF	1361.2	abcd	43.7	36	5.4	30.5	1.10	80.8	-0.7	\$699.07
Deltapine	DP2012B3XF	1351.5	abcde	40.5	36	4.4	26.9	1.11	79.8	1.4	\$721.38
NexGen	19A018B3XF	1343.8	bcdef	41.7	37	5.0	33.1	1.16	82.7	1.9	\$724.64
Stoneville	ST4550GLTP	1322.1	bcdefg	45.9	36	4.9	34.5	1.12	82.7	3.2	\$729.37
Phytogen	PHY350W3FE	1273.5	cdefgh	42.0	36	4.4	29.2	1.11	80.2	3.4	\$706.87
NexGen	NG5150B3XF	1272.6	cdefgh	41.1	36	4.9	28.6	1.14	80.6	1.5	\$681.65
Phytogen	PHY443W3FE	1227.9	defghi	43.5	34	4.7	30.2	1.06	80.7	-0.4	\$633.75
Deltapine	DP1948B3XF	1188.6	efghij	42.5	38	4.7	34.0	1.18	82.6	3.9	\$663.24
Bayer	19R132B3XF	1185.3	efghij	42.8	36	5.0	33.2	1.12	81.8	1.8	\$637.52
Phytogen	PHY480W3FE	1180.7	fghij	43.8	37	4.7	32.1	1.14	82.8	3.9	\$658.83
Stoneville	ST4990B3XF	1171.6	ghijk	40.0	36	4.7	28.2	1.12	81.0	3.2	\$647.21
NexGen	NG3195B3XF	1146.0	hijkl	43.2	35	4.8	28.4	1.10	81.3	0.3	\$600.66
Deltapine	DP2143NRB3XF	1137.3	ijklm	41.9	35	5.3	30.5	1.10	81.1	-0.4	\$586.96
Phytogen	PHY390W3FE	1091.4	ijklmn	43.5	36	4.4	29.0	1.10	80.2	2.9	\$599.84
Deltapine	DP1044B2RF	1075.0	ijklmn	40.8	36	4.7	31.4	1.11	81.2	3.4	\$595.23
Phytogen	PHY580W3FE	1067.9	ijklmno	45.3	34	4.8	29.5	1.07	80.6	0.2	\$559.45
NexGen	NG4936B3XF	1046.6	jklmnop	38.7	36	4.4	27.7	1.13	80.8	2.6	\$570.20
Bayer	19R237B3XF	1044.4	jklmnop	40.8	37	4.6	27.9	1.15	81.1	2.7	\$570.84
NexGen	19A014B3XF	1039.7	jklmnop	38.4	36	4.4	29.0	1.12	80.7	2.9	\$571.22
Phytogen	PHY400W3FE	1039.6	jklmnop	43.8	35	4.6	30.6	1.10	81.0	2.6	\$567.80
Stoneville	ST5610B3XF	1026.3	jklmnopq	39.6	37	5.2	34.6	1.14	82.2	1.7	\$551.16
Deltapine	DP1549B2XF	1009.2	klmnopq	41.1	35	4.7	29.4	1.09	80.0	1.7	\$540.58
FiberMax	FM1730GLTP	1001.2	lmnopq	41.6	36	4.6	32.4	1.14	82.6	3.1	\$552.22
NexGen	NG5711B3XF	977.4	mnopqr	39.5	37	4.6	29.8	1.14	81.2	4.1	\$548.15
Stoneville	ST5600B2XF	928.8	nopqr	39.8	37	4.9	34.6	1.15	82.9	2.7	\$507.87
Stoneville	ST4993B3XF	903.0	opqr	43.5	35	5.0	32.7	1.09	82.4	0.5	\$473.09
BASF	BX2192B3XF	892.1	pqr	40.7	36	4.6	27.3	1.13	79.8	2.1	\$481.68
NexGen	19A016B3XF	891.8	pqr	38.9	37	4.2	31.0	1.13	81.3	3.8	\$497.22
Phytogen	PHY332W3FE	888.3	pqr	42.7	36	4.6	30.3	1.11	80.5	2.7	\$485.11
BASF	BX2194B3XF	872.1	qrs	41.6	37	4.1	31.4	1.15	81.1	4.2	\$490.54
Phytogen	PHY545W3FE	828.2	rs	43.7	34	4.6	29.7	1.06	81.4	1.0	\$439.31
Stoneville	ST4480B3XF	817.6	rs	36.1	36	4.2	26.5	1.11	80.1	2.4	\$444.81
NexGen	19A015B3XF	705.0	st	36.5	37	4.0	30.2	1.16	80.9	3.0	\$387.67
Phytogen	PHY394W3FE	611.0	t	42.7	37	4.3	28.0	1.16	79.9	3.7	\$340.23
<b>Mean</b>		1097.2		41.6	36	4.7	30.4	1.12	81.1	2.2	\$593.43
<b>LSD<sup>§</sup></b>		167.9		2.4	1	0.4	2.4	0.04	1.4	2.1	\$93.63
<b>OSL<sup>†</sup></b>		<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<b>CV<sup>‡</sup></b>		10.9		4.1	2.4	5.8	5.7	2.5	1.2	67.2	11.3

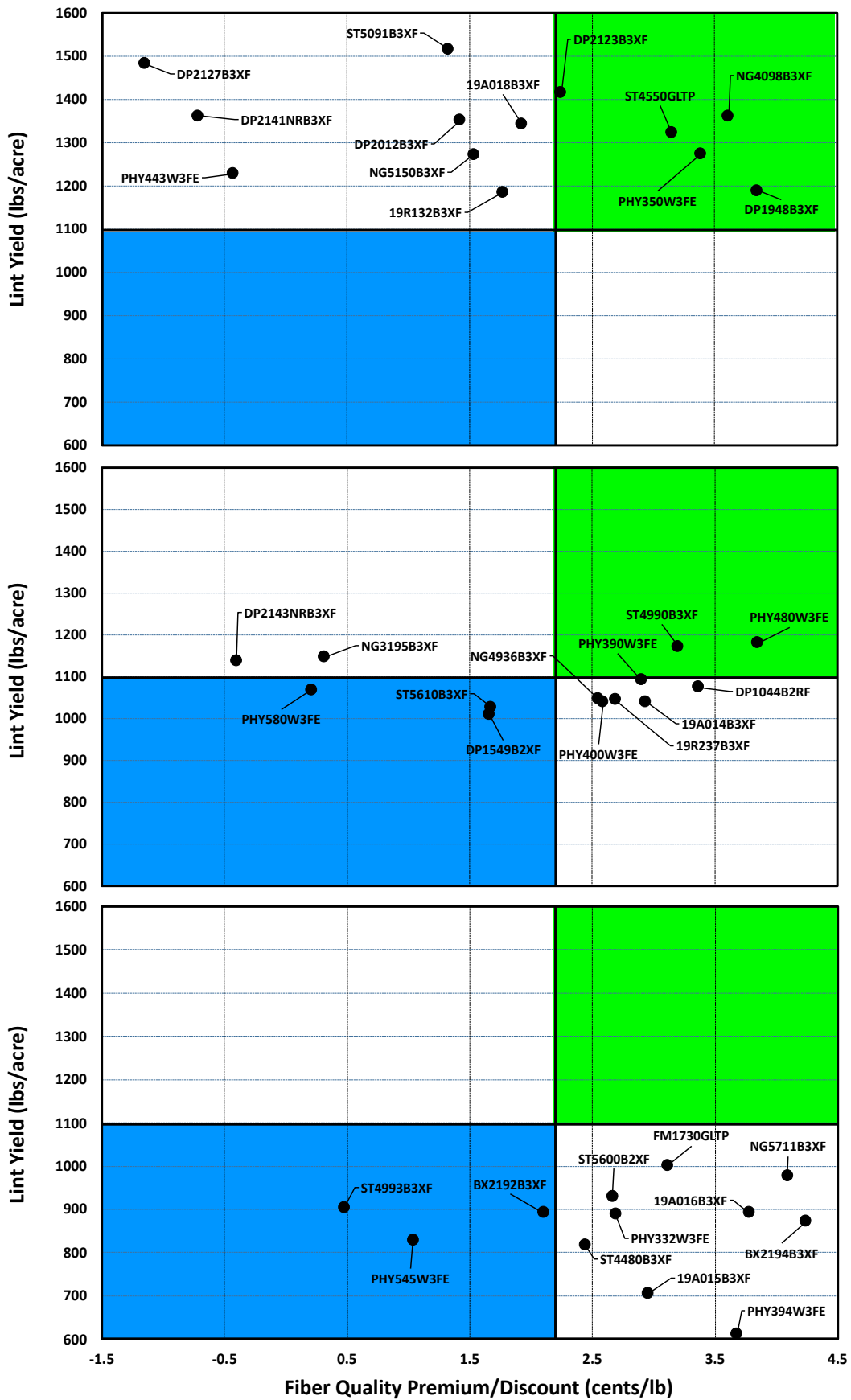
\*Lint yield means followed by the same letter are not statistically different according to Fisher's LSD (Least Significance Difference) means separation ( $\alpha = 0.05$ )

\*\*Value calculated from CCC loan schedule base price of \$0.52/lb + premium/discount

§Least Significant Difference

†Observed Significance Level

‡Coefficient of Variation



Figure

Table. Early and mid-season data collected from the University of Arizona Upland Cotton Advanced Strain Testing (UCAST) program, Maricopa, AZ, 2020.

Seed Company	Variety	Plant Population (plants/foot)	Plant Vigor Rating (0-9 L-H)	Plant Height (inches)	Nodes Above White Flower (NAWF)
NexGen	19A014B3XF	4.6	6.5	31.6	5.0
NexGen	19A015B3XF	4.8	7.0	36.2	5.6
NexGen	19A016B3XF	4.9	6.5	35.0	5.2
NexGen	19A018B3XF	3.9	5.5	35.6	5.8
Bayer	19R132B3XF	4.0	5.5	32.5	5.6
Bayer	19R237B3XF	4.4	7.0	37.3	5.6
BASF	BX2192B3XF	3.1	3.0	34.7	6.2
BASF	BX2194B3XF	5.5	7.5	35.4	5.6
Deltapine	DP1044B2RF	3.9	5.5	32.5	4.2
Deltapine	DP1549B2XF	4.6	5.5	36.8	5.6
Deltapine	DP1948B3XF	3.3	6.0	36.8	6.0
Deltapine	DP2012B3XF	4.6	7.0	36.8	5.2
Deltapine	DP2123B3XF	4.5	7.5	34.3	5.4
Deltapine	DP2127B3XF	3.9	6.5	34.2	5.4
Deltapine	DP2141NRB3XF	4.4	7.0	36.7	5.6
Deltapine	DP2143NRB3XF	4.5	6.5	36.1	5.4
FiberMax	FM1730GLTP	4.7	5.5	30.2	4.8
NexGen	NG3195B3XF	4.4	5.0	38.0	5.4
NexGen	NG4098B3XF	5.1	6.0	33.1	5.0
NexGen	NG4936B3XF	4.9	6.5	39.0	5.6
NexGen	NG5150B3XF	4.6	6.5	38.9	5.6
NexGen	NG5711B3XF	4.8	7.0	36.9	6.0
Phytogen	PHY332W3FE	4.6	6.0	33.7	4.6
Phytogen	PHY350W3FE	4.9	6.5	36.5	4.4
Phytogen	PHY390W3FE	4.9	7.5	31.7	4.6
Phytogen	PHY394W3FE	4.9	7.5	33.1	6.2
Phytogen	PHY400W3FE	4.4	6.5	31.8	4.4
Phytogen	PHY443W3FE	5.0	7.5	35.4	5.0
Phytogen	PHY480W3FE	4.6	6.0	35.3	6.4
Phytogen	PHY545W3FE	4.6	7.5	35.2	4.8
Phytogen	PHY580W3FE	5.3	6.5	36.2	5.4
Phytogen	PX4B08W3FE	4.3	5.5	33.9	5.6
Stoneville	ST4480B3XF	4.2	6.5	32.8	5.6
Stoneville	ST4550GLTP	4.3	6.5	36.5	5.0
Stoneville	ST4990B3XF	3.5	6.0	34.0	5.0
Stoneville	ST4993B3XF	3.7	4.5	33.9	5.2
Stoneville	ST5091B3XF	3.9	7.5	39.6	5.2
Stoneville	ST5610B3XF	2.9	2.0	34.6	6.2
Stoneville	ST5707B2XF	4.5	7.5	37.2	5.2
<b>MEAN</b>		<b>4.4</b>	<b>6.3</b>	<b>35.1</b>	<b>5.3</b>

Table. Yield and fiber quality results from the University of Arizona Upland Cotton Advanced Strain Testing (UCAST) program, Maricopa, AZ, 2020.

Seed Company	Variety	Lint Yield (lbs/acre)	Lint (%)	Staple (32nds)	Micro.	Strength (g/tex)	Length (in)	Uniform (%)	Premium (cents/lb)	Value** (\$/acre)	
NexGen	NG3195B3XF	2562.6	a*	42.9	37	4.5	33.9	1.17	82.3	4.4	\$1,443.99
Stoneville	ST5091B3XF	2518.9	ab	42.0	37	4.7	30.8	1.14	81.9	2.5	\$1,373.22
NexGen	19A016B3XF	2507.9	ab	41.9	37	4.0	32.3	1.16	82.4	4.1	\$1,406.80
BASF	BX2194B3XF	2434.2	abc	41.9	40	3.9	33.2	1.23	82.4	4.4	\$1,372.36
NexGen	NG4098B3XF	2426.5	abc	39.4	40	4.3	39.2	1.24	83.6	4.6	\$1,373.34
NexGen	NG5150B3XF	2424.7	abc	41.9	37	4.8	32.4	1.17	81.4	3.5	\$1,345.87
NexGen	NG4936B3XF	2356.1	abcd	39.0	38	4.3	33.0	1.18	83.0	4.5	\$1,331.58
NexGen	NG5711B3XF	2354.2	abcd	40.3	39	4.8	34.7	1.21	82.0	3.7	\$1,311.43
Deltapine	DP1044B2RF	2342.7	abcd	38.8	38	4.8	32.4	1.17	83.2	3.6	\$1,302.22
Deltapine	DP2127B3XF	2339.3	abcd	42.1	37	5.3	32.3	1.16	84.4	1.9	\$1,260.09
Deltapine	DP1549B2XF	2308.7	abcde	39.0	38	4.5	37.0	1.18	83.2	4.5	\$1,304.10
Deltapine	DP1948B3XF	2297.4	abcde	43.0	40	4.4	37.1	1.25	83.5	4.6	\$1,299.64
Stoneville	ST5707B2XF	2296.9	abcde	39.8	39	5.0	37.3	1.21	83.8	3.1	\$1,264.92
Stoneville	ST4990B3XF	2276.9	abcdef	37.9	38	4.5	32.9	1.20	83.7	4.4	\$1,284.57
Deltapine	DP2012B3XF	2266.9	bcdef	38.9	39	4.1	31.8	1.21	82.3	4.4	\$1,279.31
Phytogen	PHY580W3FE	2239.5	bcdefg	43.6	38	4.5	34.7	1.20	83.6	3.8	\$1,247.60
FiberMax	FM1730GLTP	2239.3	bcdefg	41.5	38	4.1	36.4	1.20	82.6	4.6	\$1,266.75
Stoneville	ST4993B3XF	2217.8	cdefgh	42.4	38	5.2	37.0	1.18	84.5	1.8	\$1,191.05
BASF	BX2192B3XF	2215.2	cdefgh	39.4	38	4.5	34.3	1.20	81.7	4.5	\$1,251.64
Deltapine	DP2123B3XF	2189.5	cdefgh	39.0	38	4.1	33.9	1.20	82.5	4.5	\$1,236.97
Phytogen	PX4B08W3FE	2182.3	cdefgh	43.2	38	4.3	38.4	1.19	83.7	4.4	\$1,231.08
Bayer	19R237B3XF	2178.4	cdefgh	39.6	40	4.5	34.2	1.25	82.7	4.5	\$1,231.19
Phytogen	PHY545W3FE	2148.8	defghi	43.4	37	4.3	33.6	1.16	83.2	4.3	\$1,208.98
Bayer	19R132B3XF	2128.9	defghi	41.6	39	4.7	36.4	1.21	84.5	2.6	\$1,161.79
NexGen	19A014B3XF	2128.8	defghi	36.5	38	3.9	32.0	1.18	82.2	4.5	\$1,202.04
Phytogen	PHY400W3FE	2089.3	defghij	42.1	38	4.0	35.6	1.18	83.4	4.6	\$1,181.71
Phytogen	PHY390W3FE	2071.3	defghij	40.7	37	3.9	34.4	1.17	82.4	4.4	\$1,168.28
Stoneville	ST5610B3XF	2024.1	efghijk	42.5	37	4.5	34.7	1.17	83.5	4.5	\$1,142.44
Stoneville	ST4550GLTP	1999.5	fghijkl	44.3	38	4.5	36.7	1.19	83.5	3.8	\$1,115.50
Phytogen	PHY480W3FE	1999.1	fghijkl	40.4	38	4.2	34.8	1.20	83.5	4.6	\$1,132.16
Phytogen	PHY350W3FE	1968.1	ghijkl	40.3	39	4.3	34.0	1.22	84.4	4.6	\$1,114.21
Deltapine	DP2141NRB3XF	1947.3	hijkl	42.5	38	4.7	35.6	1.18	81.8	4.4	\$1,098.42
Phytogen	PHY332W3FE	1870.9	ijklm	40.3	39	4.2	36.3	1.21	82.8	4.6	\$1,058.96
NexGen	19A018B3XF	1867.0	ijklm	41.8	38	4.2	35.8	1.20	83.1	4.6	\$1,055.87
Deltapine	DP2143NRB3XF	1811.5	ijklm	41.6	38	4.8	39.6	1.20	83.0	3.8	\$1,011.30
NexGen	19A015B3XF	1789.6	klm	34.7	39	3.6	34.2	1.23	82.2	3.3	\$994.54
Phytogen	PHY443W3FE	1735.1	lm	40.7	38	4.4	37.5	1.19	84.7	4.6	\$981.78
Phytogen	PHY394W3FE	1654.3	m	39.4	40	4.2	34.2	1.24	82.4	4.6	\$935.89
Stoneville	ST4480B3XF	1616.1	m	36.3	39	4.3	34.5	1.22	82.1	4.5	\$912.82
<b>Mean</b>		2152.5		40.7	38	4.4	34.9	1.20	83.0	4.1	\$1,206.25
<b>LSD<sup>§</sup></b>		287.2		2.1	1	0.4	2.4	0.03	1.2	1.0	\$161.31
<b>OSL<sup>†</sup></b>		<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<b>CV<sup>‡</sup></b>		9.4		3.7	2.1	5.9	4.8	2.0	1.0	18.0	9.5

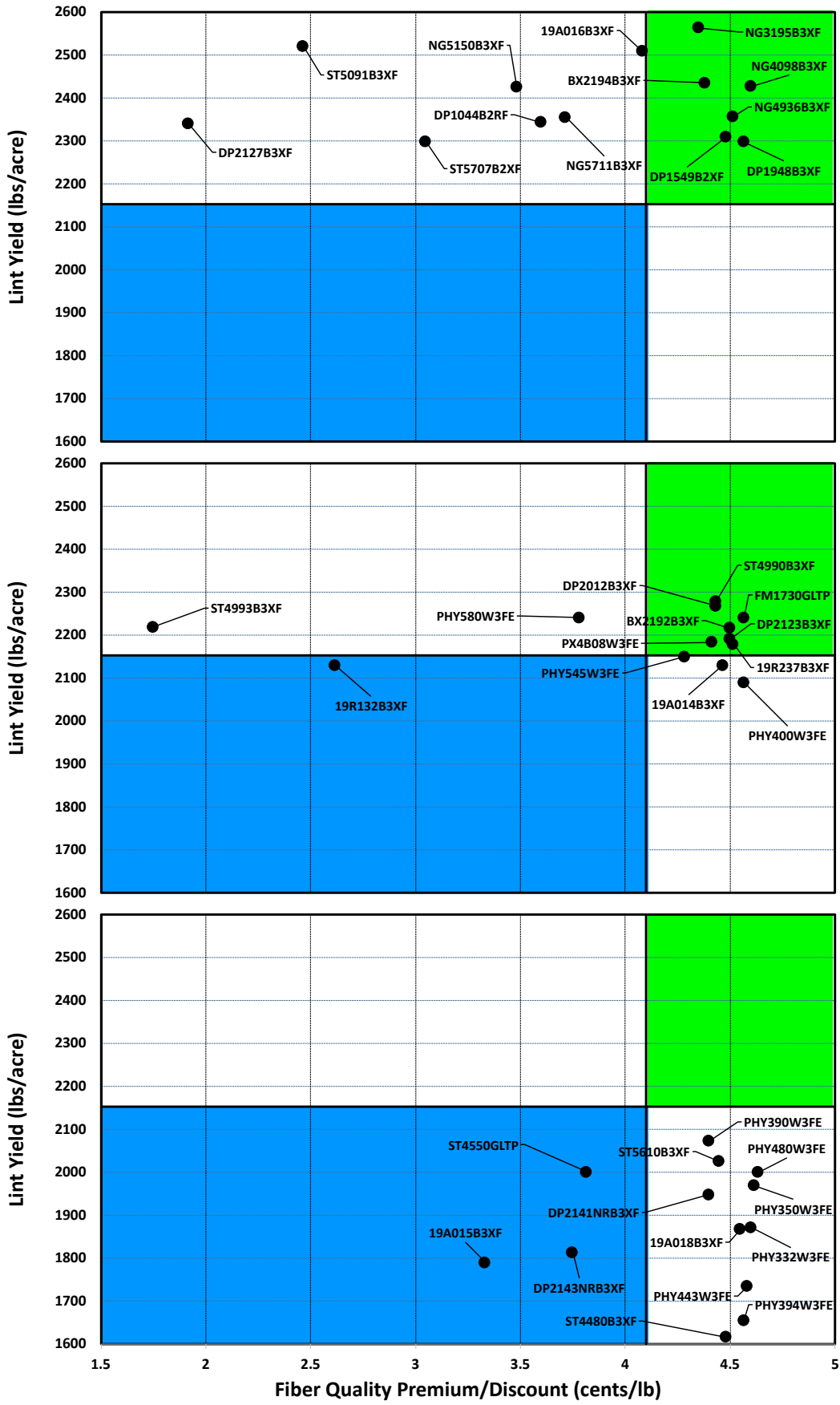
\*Lint yield means followed by the same letter are not statistically different according to Fisher's LSD (Least Significance Difference) means separation ( $\alpha = 0.05$ )

\*\*Value calculated from CCC loan schedule base price of \$0.52/lb + premium/discount

§Least Significant Difference

†Observed Significance Level

‡Coefficient of Variation



Figure



Table. Early and mid-season data collected from the University of Arizona Upland Cotton Advanced Strain Testing (UCAST) program, Safford, AZ, 2020.

Seed Company	Variety	Plant Population (plants/foot)	Plant Vigor Rating (0-9 L-H)	Plant Height (inches)	Nodes Above White Flower (NAWF)
NexGen	19A014B3XF	4.4	7.8	23.8	6.6
NexGen	19A015B3XF	4.8	6.5	27.5	6.8
NexGen	19A016B3XF	4.0	7.0	24.0	6.2
NexGen	19A018B3XF	3.0	4.0	20.9	7.0
Bayer	19R132B3XF	2.4	3.8	24.5	7.4
Bayer	19R237B3XF	3.3	6.0	24.3	6.6
BASF	BX2116GLTP	3.9	7.0	26.2	6.8
BASF	BX2192B3XF	2.8	4.0	23.6	7.0
Deltapine	DP1044B2RF	3.3	5.0	22.6	7.0
Deltapine	DP1549B2XF	3.4	5.0	27.2	8.8
Deltapine	DP1948B3XF	1.9	2.8	23.9	8.6
Deltapine	DP2012B3XF	3.1	5.5	23.9	7.6
Deltapine	DP2123B3XF	4.3	7.0	25.8	6.4
Deltapine	DP2127B3XF	2.6	4.5	25.6	7.0
Deltapine	DP2141NRB3XF	3.8	3.8	24.8	7.8
Deltapine	DP2143NRB3XF	3.8	4.0	25.0	8.0
FiberMax	FM1621GL	3.5	5.5	20.9	7.2
FiberMax	FM1730GLTP	4.3	6.3	23.3	6.6
FiberMax	FM2202GL	2.8	4.5	23.8	7.2
FiberMax	FM2574GLT	3.2	5.3	23.6	6.4
NexGen	NG3195B3XF	3.3	4.3	24.4	7.0
NexGen	NG3930B3XF	3.9	6.3	21.9	6.6
NexGen	NG4098B3XF	4.2	8.0	20.6	5.2
NexGen	NG4936B3XF	2.9	4.3	22.9	7.6
NexGen	NG5150B3XF	3.5	4.5	23.3	8.0
Phytogen	PHY332W3FE	4.4	6.8	27.6	6.6
Phytogen	PHY350W3FE	4.4	6.5	26.1	6.8
Phytogen	PHY390W3FE	4.1	7.0	22.6	6.0
Phytogen	PHY394W3FE	4.2	6.8	23.5	7.6
Phytogen	PHY400W3FE	3.7	6.8	20.8	6.2
Phytogen	PHY443W3FE	4.2	6.8	25.0	6.2
Phytogen	PHY480W3FE	3.9	7.0	25.8	7.6
Phytogen	PHY545W3FE	4.0	5.3	23.5	6.6
Phytogen	PHY580W3FE	4.0	7.0	73.1	6.6
Phytogen	PX4B08W3FE	4.7	6.3	24.8	7.2
Stoneville	ST4480B3XF	3.1	4.5	20.2	7.2
Stoneville	ST4990B3XF	2.8	3.3	20.4	6.6
Stoneville	ST4993B3XF	2.5	3.8	24.6	7.6
Stoneville	ST5091B3XF	3.3	4.5	24.5	6.0
<b>MEAN</b>		<b>3.6</b>	<b>5.5</b>	<b>25.1</b>	<b>7.0</b>

Table. Yield and fiber quality results from the University of Arizona Upland Cotton Advanced Strain Testing (UCAST) program, Safford, AZ, 2020.

Seed Company	Variety	Lint Yield (lbs/acre)	Lint (%)	Staple (32nds)	Micro.	Strength (g/tex)	Length (in)	Uniform (%)	Premium (cents/lb)	Value** (\$/acre)
NexGen	NG5150B3XF	2197.6	a*	42.4						
Deltapine	DP1549B2XF	2136.6	ab	44.9						
NexGen	NG4098B3XF	2124.3	abc	44.6						
Phytogen	PHY332W3FE	1985.6	bcd	43.2						
Bayer	19R237B3XF	1980.6	bcd	44.8						
Phytogen	PHY350W3FE	1953.1	bcde	43.4						
Deltapine	DP1044B2RF	1950.6	bcdef	45.6						
BASF	BX2116GLTP	1915.4	cdefg	44.2						
Deltapine	DP1948B3XF	1849.0	defgh	45.7						
Phytogen	PHY480W3FE	1818.9	defghi	46.4						
NexGen	19A015B3XF	1818.3	defghi	45.6						
NexGen	19A016B3XF	1817.4	defghi	43.9						
Deltapine	DP2123B3XF	1800.2	defghij	44.6						
Deltapine	DP2127B3XF	1790.5	defghij	46.4						
NexGen	NG3930B3XF	1753.5	efghijk	45.6						
FiberMax	FM2574GLT	1744.4	efghijk	46.8						
Deltapine	DP2143NRB3XF	1742.1	efghijk	45.7						
FiberMax	FM1730GLTP	1740.8	fghijk	45.6						
NexGen	NG3195B3XF	1740.3	fghijk	43.4						
Phytogen	PHY580W3FE	1738.9	fghijk	44.0						
Phytogen	PHY443W3FE	1704.4	ghijkl	45.6						
BASF	BX2192B3XF	1688.0	hijkl	45.3						
Deltapine	DP2012B3XF	1677.1	hijkl	44.7						
NexGen	19A014B3XF	1664.8	hijklm	45.0						
FiberMax	FM1621GL	1661.3	hijklm	46.7						
Phytogen	PX4B08W3FE	1636.9	ijklm	46.7						
Phytogen	PHY545W3FE	1629.7	ijklmn	46.7						
Deltapine	DP2141NRB3XF	1601.1	jklmn	45.1						
Phytogen	PHY390W3FE	1598.5	jklmn	44.8						
FiberMax	FM2202GL	1597.1	jklmn	44.6						
Stoneville	ST5091B3XF	1554.5	klmn	45.1						
NexGen	NG4936B3XF	1550.3	klmn	45.2						
Phytogen	PHY394W3FE	1513.4	lmn	43.8						
NexGen	19A018B3XF	1500.0	lmn	45.4						
NexGen	19R132B3XF	1461.5	mno	45.0						
Stoneville	ST4993B3XF	1423.5	no	43.5						
Stoneville	ST4480B3XF	1268.8	op	45.3						
Phytogen	PHY400W3FE	1249.7	op	42.9						
Stoneville	ST4990B3XF	1089.2	p	43.4						
<b>Mean</b>		1709.4		44.9						
<b>LSD<sup>§</sup></b>		212.0		2.3						
<b>OSL<sup>†</sup></b>		<0.0001		0.0053						
<b>CV<sup>‡</sup></b>		8.8		3.6						

\*Lint yield means followed by the same letter are not statistically different according to Fisher's LSD (Least Significance Difference) means separation ( $\alpha = 0.05$ )

\*\*Value calculated from CCC loan schedule base price of \$0.52/lb + premium/discount

§Least Significant Difference

†Observed Significance Level

‡Coefficient of Variation