



Yield and fiber quality data for The University of Arizona Upland Cotton Variety Testing Program, Poston, AZ, 2015.

Seed Company	Variety	Lint Yield	Yield Means		Color Grade	Staple (32nds)	Micronaire	Strength	Length (in.)	Leaf Grade	Uniformity	Premium	Value *
		(lbs/acre)	Separation*	Percent Lint				(g/tex)			Index (%)	(cents/lb)	(\$/acre)
CPS/DynaGro	DG2570B2RF	2,035.6	a	35.5	31	35	4.9	30.8	1.10	2	81.7	2.7	\$1,112.91
Monsanto/Deltapine	DP1549B2XF	1,997.4	ab	35.4	21	35	4.3	32.2	1.08	2	79.8	3.4	\$1,107.80
Monsanto/Deltapine	DP1044B2RF	1,899.1	abc	33.8	21	35	4.2	31.5	1.11	2	80.7	4.7	\$1,076.13
CPS/DynaGro	DG2285B2RF	1,880.0	abc	34.5	31	36	4.7	30.0	1.10	3	81.4	4.1	\$1,054.57
Dow/Phytogen	PHY339WRF	1,820.6	bc	35.3	31	36	4.6	31.9	1.13	3	81.4	4.6	\$1,029.52
Bayer/Stoneville	ST6182GLT	1,778.7	c	38.2	31	36	4.6	29.4	1.12	2	81.0	4.7	\$1,009.11
Dow/Phytogen	PHY499WRF	1,773.5	c	36.5	31	36	4.8	33.8	1.11	3	82.7	3.7	\$986.91
Bayer/FiberMax	FM2007GLT	1,482.0	d	36.5	31	36	4.6	31.5	1.12	3	81.0	4.6	\$838.08
Average		1,833.3		35.7	---	36	4.6	31.4	1.11	2	81.2	4.0	\$1,026.88
LSD§		185.6		1.5	---	NS	0.2	1.3	0.03	1	0.9	NS	\$115.40
OSL†		0.0006		0.0006	---	0.3030	0.0001	0.0001	0.0285	0.0088	0.0008	0.3375	0.0036
CV‡		5.8		2.3	---	1.6	2.9	2.3	1.3	18.8	0.7	28.2	6.4

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

§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation





Yield and fiber quality data for The University of Arizona Upland Cotton Variety Testing Program, Goodyear, AZ, 2015.

Seed Company	Variety	Lint Yield	Yield Means		Color Grade	Staple (32nds)	Micronaire	Strength	Length (in.)	Leaf Grade	Uniformity	Premium	Value *
		(lbs/acre)	Separation*	Percent Lint				(g/tex)			Index (%)	(cents/lb)	(\$/acre)
Monsanto/Deltapine	DP1549B2XF	2,115.9	a	36.7	31	37	4.1	33.5	1.17	3	81.8	5.1	\$1,207.93
Dow/Phytogen	PHY499WRF	1,864.3	b	37.1	38	36	4.7	33.4	1.14	4	82.5	1.8	\$1,003.46
Bayer/Stoneville	ST5115GLT	1,767.2	bc	34.3	34	36	4.4	33.3	1.14	3	81.8	4.0	\$990.36
CPS/DynaGro	DG2570B2RF	1,762.9	bc	35.3	31	36	4.8	32.0	1.14	2	82.4	5.1	\$1,006.88
CPS/DynagGro	DG2285B2RF	1,704.5	cd	35.2	31	37	4.9	30.8	1.15	4	82.4	3.5	\$946.57
Bayer/FiberMax	FM1900GLT	1,618.7	d	33.4	41	38	4.8	34.2	1.19	4	82.3	2.6	\$883.26
Dow/Phytogen	PHY339WRF	1,607.0	d	35.5	38	37	4.5	33.2	1.16	3	82.1	3.7	\$893.83
Monsanto/Deltapine	DP1522B2XF	1,445.2	e	35.0	41	37	5.0	31.9	1.15	4	82.0	-0.8	\$741.44
Average		1,735.7		35.3	---	37	4.7	32.8	1.16	3	82.2	3.1	\$959.22
LSD§		130.5		1.2	---	NS	0.2	2.0	0.03	1	NS	2.40	\$90.80
OSL†		<0.0001		0.0002	---	0.1312	<0.0001	0.0524	0.0378	0.0381	0.5710	0.0021	<0.0001
CV‡		4.3		1.9	---	2.0	2.1	3.6	1.6	22.6	0.7	43.6	5.4

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

§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation





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Yield and fiber quality data for The University of Arizona Upland Cotton Variety Testing Program, San Tan, AZ, 2015.

Seed Company	Variety	Lint Yield (lbs/acre)	Yield Means		Color Grade	Staple (32nds)	Micronaire	Strength (g/tex)	Length (in.)	Leaf Grade	Uniformity Index (%)	Premium (cents/lb)	Value * (\$/acre)
			Separation*	Percent Lint									
Monsanto/Deltapine	DP1549B2XF	1,740.0	a	41.5	41	34	4.6	28.3	1.07	2	79.6	0.3	\$910.76
Dow/Phytogen	PHY499WRF	1,625.1	b	41.7	41	35	4.7	29.8	1.08	3	80.8	1.8	\$873.91
CPS/DynaGro	DG2285B2RF	1,580.4	bc	39.2	31	35	4.4	28.0	1.07	3	80.7	1.8	\$850.40
Bayer/Stoneville	ST6182GLT	1,536.2	bc	43.4	41	35	4.8	26.8	1.09	2	80.7	2.1	\$831.55
Dow/Phytogen	PHY339WRF	1,535.1	bc	38.8	41	35	4.2	29.0	1.09	2	80.6	2.2	\$832.71
CPS/DynaGro	DG2570B2RF	1,531.8	bc	39.6	31	34	4.7	28.6	1.08	2	81.4	1.7	\$822.12
Bayer/FiberMax	FM2007GLT	1,508.2	c	38.8	31	36	4.4	29.5	1.13	3	80.3	3.8	\$841.45
Monsanto/Deltapine	DP1044B2RF	1,505.3	c	39.6	31	34	4.8	27.5	1.07	2	80.4	1.6	\$806.53
Average		1,570.3		40.3	---	35	4.6	28.4	1.08	2	80.6	1.9	\$846.18
LSD§		98.6		2.1	---	1	0.2	1.2	0.03	1	NS	NS	\$59.86
OSL†		0.001		0.0008	---	0.0074	<0.0001	0.0005	0.0009	0.0001	0.1337	0.0858	0.0427
CV‡		4.3		3.5	---	1.7	2.6	2.9	1.6	13.3	1.0	68.1	4.8

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

§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation



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Yield and fiber quality data for The University of Arizona Upland Cotton Variety Testing Program, Maricopa, AZ, 2015.

Seed Company	Variety	Lint Yield (lbs/acre)	Yield Means Separation*	Percent Lint	Color Grade	Staple (32nds)	Micronaire	Strength (g/tex)	Length (in.)	Leaf Grade	Uniformity Index (%)	Premium (cents/lb)	Value * (\$/acre)
Monsanto/Deltapine	DP1555B2XF	2,166.0	a	38.2	21	38	4.5	33.1	1.20	2	81.9	5.7	\$1,250.35
Monsanto/Deltapine	DP1359B2RF	1,975.4	b	35.9	31	38	4.7	34.4	1.19	3	81.5	4.3	\$1,111.67
Monsanto/Deltapine	DP1549B2XF	1,926.7	b	35.5	31	38	4.2	34.0	1.19	3	81.9	4.4	\$1,087.20
Monsanto/Deltapine	DP1044B2RF	1,915.0	b	32.9	31	37	4.5	31.8	1.16	3	81.6	4.7	\$1,086.11
Dow/Phytogen	PHY499WRF	1,746.1	c	36.2	31	37	4.7	33.8	1.16	3	82.3	3.7	\$972.85
Bayer/Stoneville	ST6182GLB2	1,716.3	cd	37.5	21	38	4.5	30.9	1.19	3	82.2	5.3	\$983.31
Bayer/Stoneville	ST5115B2RF	1,655.9	cde	34.1	31	37	4.6	33.6	1.15	3	81.0	4.7	\$938.89
CPS/DynaGro	DG2570B2RF	1,644.1	cde	34.4	21	36	5.0	31.8	1.12	2	81.5	3.3	\$912.40
Bayer/FiberMax	FM1830GLB2	1,638.0	cde	35.6	21	38	4.5	34.4	1.20	3	82.0	5.5	\$941.37
Bayer/Stoneville	ST6448GLB2	1,627.1	cdef	32.9	31	38	4.6	32.3	1.19	3	81.4	4.9	\$926.32
Monsanto/Deltapine	DP1518B2XF	1,574.9	defg	32.9	41	37	4.3	30.9	1.17	5	82.0	1.3	\$840.16
Bayer/Stoneville	ST4747GLB2	1,549.5	efgh	32.1	41	38	4.5	31.4	1.19	5	81.6	0.8	\$817.82
Bayer/FiberMax	FM1900GLB2	1,537.5	efgh	34.0	41	38	4.7	35.1	1.20	4	82.0	2.0	\$829.85
Dow/Phytogen	PHY339WRF	1,520.9	efgh	33.5	31	38	4.4	34.3	1.18	4	82.6	3.8	\$850.52
CPS/DynaGro	DG2285B2RF	1,470.9	fgh	32.3	31	37	4.7	31.1	1.16	4	82.1	3.1	\$810.49
Bayer/Stoneville	ST4946GLB2	1,459.6	gh	32.8	41	37	4.8	34.2	1.16	4	82.8	1.7	\$784.81
Monsanto/Deltapine	DP1522B2XF	1,411.7	gh	33.8	41	36	5.0	32.1	1.15	5	82.1	-0.7	\$725.19
Bayer/Stoneville	ST5032GLB2	1,401.2	h	32.8	31	37	4.5	33.4	1.17	4	81.5	1.9	\$754.58
Bayer/Stoneville	ST5289GLB2	1,400.2	h	33.8	41	36	4.7	30.9	1.14	7	80.6	-14.9	\$519.79
Bayer/FiberMax	FM2007GLB2	1,213.1	i	31.4	31	38	4.4	33.1	1.20	3	81.6	4.4	\$684.52
Average		1,627.5		34.1	---	37	4.6	32.8	1.17	4	81.8	2.5	\$891.41
LSD§		165.8		1.0	---	1	0.3	1.5	0.04	1	NS	8.40	\$162.86
OSL†		<0.0001		<0.0001	---	0.0029	<0.0001	<0.0001	0.0028	<0.0001	0.1510	0.0137	<0.0001
CV‡		6.2		1.9	---	2.1	3.7	2.8	1.9	20.2	1.0	203.8	11.1

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

§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation





Yield and fiber quality data for The University of Arizona Upland Cotton Variety Testing Program, Red Rock, AZ, 2015.

Seed Company	Variety	Lint Yield (lbs/acre)	Yield Means Separation*	Percent Lint	Color Grade	Staple (32nds)	Micronaire	Strength (g/tex)	Length (in.)	Leaf Grade	Uniformity Index (%)	Premium (cents/lb)	Value * (\$/acre)
Monsanto/Deltapine	DP1044B2RF	1,926.1	a	37.0	31	36	4.4	29.2	1.14	2	81.3	4.6	\$1,091.00
Monsanto/Deltapine	DP1549B2XF	1,888.7	a	39.9	31	37	4.2	31.8	1.16	3	80.6	5.0	\$1,076.07
CPS/DynaGro	DG2570B2RF	1,770.9	ab	38.6	31	36	4.6	30.4	1.13	3	80.8	4.0	\$989.63
Bayer/Stoneville	ST6182GLT	1,655.1	bc	42.7	21	36	4.6	27.7	1.13	2	80.7	4.4	\$933.96
Bayer/FiberMax	FM2007GLT	1,654.6	bc	37.2	31	38	4.1	30.5	1.18	3	80.2	4.6	\$936.76
CPS/DynaGro	DG2285B2RF	1,595.8	bc	37.5	31	36	4.5	29.5	1.13	3	80.9	4.5	\$901.71
Dow/Phytogen	PHY339WRF	1,571.5	c	36.8	31	37	3.9	30.7	1.16	3	80.7	4.8	\$892.27
Dow/Phytogen	PHY499WRF	1,358.7	d	39.0	31	37	4.6	31.4	1.14	3	81.6	4.0	\$760.85
Average		1,677.7		38.6	---	37	4.4	30.1	1.15	3	80.8	4.5	\$947.78
LSD§		197.27		1.5	---	1	0.4	1.3	NS	NS	NS	NS	\$107.06
OSL†		0.0006		<0.0001	---	0.0304	0.0211	0.0002	0.1456	0.7676	0.4011	0.7752	0.0003
CV‡		6.7		2.3	---	1.6	5.4	2.5	1.8	26.5	0.9	18.0	6.5

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§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation





Yield and fiber quality data for The University of Arizona Upland Cotton Variety Testing Program, Thatcher, AZ, 2015.

Seed Company	Variety	Lint Yield	Yield Means		Color Grade	Staple (32nds)	Micronaire	Strength	Length (in.)	Leaf Grade	Uniformity	Premium	Value *
		(lbs/acre)	Separation*	Percent Lint				(g/tex)			Index (%)	(cents/lb)	(\$/acre)
Monsanto/Deltapine	DP1549B2XF	1,905.2	a	39.4	31	36	4.0	30.8	1.11	3	80.1	4.2	\$1,070.66
Bayer/Stoneville	ST5115GLT	1,648.0	b	37.5	31	36	3.9	31.5	1.11	3	80.0	3.1	\$906.40
Bayer/FiberMax	FM1900GLT	1,637.9	bc	38.2	31	37	4.2	33.1	1.16	4	81.0	3.1	\$902.15
Monsanto/Deltapine	DP1044B2RF	1,637.4	bc	36.7	31	35	4.2	30.4	1.11	3	80.9	3.3	\$904.44
Dow/Phytogen	PHY339WRF	1,630.5	bc	38.1	31	37	4.0	30.6	1.15	3	81.3	4.1	\$913.67
Dow/Phytogen	PHY333WRF	1,575.0	bc	38.2	41	36	3.7	29.1	1.14	4	80.7	1.2	\$838.75
CPS/DynaGro	DG2570B2RF	1,539.1	bc	38.7	31	36	4.0	30.1	1.12	2	80.7	4.1	\$862.78
CPS/DynaGro	DG2285B2RF	1,454.1	c	37.4	41	36	3.6	29.2	1.12	4	80.7	1.8	\$782.37
Average		1,628.4		38.0	---	36	4.0	30.6	1.13	3	80.7	3.1	\$897.65
LSD§		187.8		1.1	---	1	0.2	1.3	0.02	1	NS	NS	\$97.97
OSL†		0.0088		0.0044	---	0.0241	0.0003	0.0004	0.0034	0.0131	0.4009	0.0918	0.0014
CV‡		6.6		1.6	---	1.4	3.3	2.5	1.2	16.7	0.9	41.0	6.2

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‡ Coefficient of Variation





Yield and fiber quality data for The University of Arizona Upland Cotton Variety Testing Program, Willcox, AZ, 2015.

Seed Company	Variety	Lint Yield	Yield Means		Color Grade	Staple (32nds)	Micronaire	Strength	Length (in.)	Leaf Grade	Uniformity	Premium	Value *
		(lbs/acre)	Separation*	Percent Lint				(g/tex)			Index (%)	(cents/lb)	(\$/acre)
CPS/DynaGro	DG2285B2RF	1,856.3	a	39.1	21	38	4.2	29.4	1.19	2	82.3	5.8	\$1,072.50
Dow/Phytogen	PHY333WRF	1,853.8	a	38.8	21	38	4.2	28.5	1.17	2	81.4	5.3	\$1,062.34
Monsanto/Deltapine	DP1522B2XF	1,851.2	a	39.7	21	37	4.6	29.2	1.17	1	80.9	5.6	\$1,065.73
Dow/Phytogen	PHY339WRF	1,749.5	b	38.3	21	38	3.9	29.0	1.18	2	81.3	5.3	\$1,002.41
CPS/DynaGro	DG2570B2RF	1,703.1	b	39.0	21	36	4.2	29.0	1.14	1	81.4	5.5	\$978.35
Monsanto/Deltapine	DP1518B2XF	1,697.8	b	38.6	31	37	3.8	28.5	1.17	3	80.5	4.2	\$954.16
Bayer/FiberMax	FM1900GLT	1,629.7	c	38.9	21	38	3.9	30.8	1.20	2	81.5	5.8	\$941.99
Bayer/FiberMax	FM2007GLT	1,315.4	d	36.5	21	38	3.8	29.2	1.18	2	79.9	5.0	\$749.29
Average		1,707.1		38.6	---	38	4.1	29.2	1.18	2	81.1	5.3	\$978.35
LSD§		66.1		1.0	---	NS	0.2	NS	0.03	1	NS	0.80	\$40.30
OSL†		<0.0001		0.0007	---	0.0591	<0.0001	0.0837	0.0336	0.0003	0.0848	0.0150	<0.0001
CV‡		2.2		1.5	---	1.6	3.0	2.8	1.4	17.7	1.0	8.6	2.4

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