

# 2014

## Cotton Variety Testing Results



THE UNIVERSITY OF ARIZONA

College of Agriculture  
& Life Sciences

Cooperative Extension

Cooperative Extension  
Agricultural Experiment Station  
The University of Arizona, Tucson  
U.S. Department of Agriculture



## Introduction

Variety selection is one of the most important decisions a grower will make contributing to the success of a cotton crop. It is critical, that a grower have as much information as possible in order to make an informed decision regarding variety selection.

In an effort to help supply reliable variety performance information the University of Arizona conducts a statewide Upland and Pima cotton variety testing program. This program consists of a few different types of trials. The first is a small plot evaluation of commercially available varieties along with experimental varieties, and is conducted in 3 locations across Arizona including; Yuma, Maricopa, and Safford. This testing program is called the University of Arizona Upland Cotton Advanced Strains Testing Program.

Another type of University sponsored trial is a large plot, replicated strip trial conducted on grower cooperator farms in a wide variety of locations across Arizona. These are large plot strip trials that consist of replicated plots extending the full length of the irrigation run at each location. This program is titled the University of Arizona Upland Cotton Variety Testing Program. Six locations across the state were conducted in 2014.

Evaluations of Pima (extra long staple - ELS) cotton variety performance were also conducted at three locations in 2014. Results from this evaluation are also presented in this booklet.

The table found below contains planting date, final irrigation date, initial defoliation date, harvest date, soil type, irrigation technique, and varieties selected for each of the trials conducted across Arizona in 2014. The remainder of the tables in this publication contains yield and fiber quality data for each of the locations. Statistical analysis for all parameters is also presented at the bottom of each table. If you have any questions regarding these trials or this publication please direct them to Dr. Randy Norton, Regional Extension Specialist and Director of the Safford Ag Center at [rnorton@cals.arizona.edu](mailto:rnorton@cals.arizona.edu).

**The work performed over the course of the 2014 cotton season to produce the results contained in this booklet was funded in part by Cotton Incorporated through the Arizona Cotton Growers Association and also by participating seed companies.**

### Team members

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## All locations advanced strains

			Yuma	Maricopa	Safford
Elevation			147	1192	2958
Soil Type			Gadsden Clay	Casa Grande Sandy loam	Grabe Clay loam
Irrigation Method			Furrow/Flood	Furrow/Flood	Furrow/Flood
Planting Date			3/19/14	4/22/14	4/25/14
Final Irrigation			7/25/14	9/12/14	9/8/14
Initial Defoliation			8/26/14	10/21/14	10/15/14
Harvest Date			9/25/14	11/13/14	11/6/14
Varieties Planted	Seed Provider	Variety			
Monsanto	Deltapine	12R249B2R2	X	X	X
Monsanto	Deltapine	13R310B2R2	X	X	X
CPS	DynaGro	CT13125	X	X	X
CPS	DynaGro	CT13454	X	X	X
CPS	DynaGro	CT13464	X	X	X
CPS	DynaGro	CT14515	X	X	X
Monsanto	Deltapine	DP1044B2RF	X	X	X
Monsanto	Deltapine	DP1321B2RF	X	X	X
Monsanto	Deltapine	DP1359B2RF	X	X	X
Monsanto	Deltapine	DP1410B2RF	X	X	X
Monsanto	Deltapine	DP1555B2RF	X	X	X
Monsanto	Deltapine	DP1558NRB2RF		X	X
Bayer	FiberMax	FM1320GL	X	X	X
Bayer	FiberMax	FM1830GLT	X	X	X
Bayer	FiberMax	FM1944GLB2	X	X	X
Bayer	FiberMax	FM2322GL	X	X	X
Bayer	FiberMax	FM2334GLT	X	X	X
Premium Cotton Genetics	Premium Cotton Genetics	MG10702	X	X	X
Premium Cotton Genetics	Premium Cotton Genetics	MG20717	X	X	X
Premium Cotton Genetics	Premium Cotton Genetics	MG30727	X	X	X
Premium Cotton Genetics	Premium Cotton Genetics	MG40713	X	X	X
Premium Cotton Genetics	Premium Cotton Genetics	MG50708	X	X	X
Monsanto	Deltapine	MON14R1455B2R2		X	X
Dow	Phytogen	PHY499WRF	X	X	X
Dow	Phytogen	PX3003-04WRF	X	X	X
Dow	Phytogen	PX3003-10WRF	X	X	X
Dow	Phytogen	PX3122b-51WRF	X	X	X
Dow	Phytogen	PX4444-13WRF	X	X	X
Dow	Phytogen	PX4539-15WRF	X	X	X
Dow	Phytogen	PX5540-10WRF	X	X	X
Dow	Phytogen	PX5540-57WRF	X	X	X
Dow	Phytogen	PX5540-63WRF	X	X	X
Dow	Phytogen	PX5590-01WRF	X	X	X
Dow	Phytogen	PX5652-15WRF	X	X	X
Bayer	Stoneville	ST4747GLB2	X	X	X
Bayer	Stoneville	ST4946GLB2	X	X	X
Bayer	Stoneville	ST5032GLT	X	X	X
Bayer	Stoneville	ST5289GLT	X	X	X
Bayer	Stoneville	ST6448GLB2	X	X	X

## All locations UCVT

	Upland Cotton Variety Tests						Pima Cotton Variety Tests		
	Parker	Goodyear	Stanfield	Queen Creek	Eloy	Thatcher	Maricopa	Maricopa	Safford
Elevation (ft. AMSL)	295	914	1360	1548	1534	2875	1194	1200	2950
Planting Date	3/20/14	5/28/14	3/21/14	4/9/14	4/9/14	5/2/14	5/7/14	3/26/14	4/29/14
Final Irrigation	10/6/14	9/22/14	9/25/14	9/10/14	9/1/14	9/12/14	9/26/14	8/26/14	9/8/14
Initial Defoliation	10/28/14	10/15/14	10/15/14	10/10/14	10/15/14	10/10/14	10/29/14	10/17/14	10/20/14
Harvest Date	12/9/14	11/19/14	11/21/14	11/20/14	11/20/14	10/30/14	12/19/14	11/11/14	11/10/14
Soil Type	Gilman Fine sandy loam	Gilman Loam	Denure Sandy loam	Contine loam	Casa Grande Fine sandy loam	Grabe Clay loam	Casa Grande Clay loam	Trix Clay loam	Pima Clay loam
Irrigation Method	Furrow/Flood	Flat/Flood	Flat/SDI	Furrow/Flood	Furrow/Flood	Flat/SDI	Furrow/Flood	Furrow/Flood	Furrow/Flood
Seed Provider	Variety								
Monsanto	Deltapine	DP1044B2RF	X	X	X	X	X		
Monsanto	Deltapine	DP1321B2RF		X		X			
Monsanto	Deltapine	DP1359B2RF	X	X	X				
CPS	DynaGro	DG2285B2RF		X	X	X			
CPS	DynaGro	DG2355B2RF	X		X				
CPS	DynaGro	DG2570B2RF	X	X	X	X			
Bayer	FiberMax	FM1830GLT	X	X	X	X			
Bayer	FiberMax	FM2322GL				X			
Bayer	FiberMax	FM2334GLT	X		X				
Americot	NexGen	NG1511B2RF	X	X	X	X			
Americot	NexGen	NG5315B2RF	X		X	X			
Dow	Phytogen	PHY339WRF	X	X	X	X			
Dow	Phytogen	PHY499WRF	X	X	X	X			
Bayer	Stoneville	ST4946GLB2				X			
Bayer	Stoneville	ST4946GLB2		X					
Bayer	Stoneville	ST5032GLT				X			
Bayer	Stoneville	ST5289GLT		X					
Bayer	Stoneville	ST6448GLB2		X					
Monsanto	Deltapine	DP357					X		X
Monsanto	Deltapine	DP358RF					X	X	X
Dow	Phytogen	PHY805RF					X	X	X
Dow	Phytogen	PHY811RF					X	X	X



Yield and fiber quality data for The University of Arizona Upland Cotton Advanced Strain Testing Program, Yuma, AZ, 2014.

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	DP1359B2RF	2,073.9	a	37.0	21	37	4.7	33.6	1.17	2	82.1	5.9	\$1,200.59
Monsanto/Deltapine	12R249B2R2	2,035.1	ab	36.7	21	37	4.7	33.1	1.16	2	81.9	5.8	\$1,175.87
Monsanto/Deltapine	DP1044B2RF	2,009.7	ab	34.5	21	37	4.9	31.5	1.16	3	82.8	5.3	\$1,151.03
Monsanto/Deltapine	DP1555B2RF	1,939.5	abc	39.6	21	37	4.7	32.9	1.16	2	81.5	5.8	\$1,120.46
Dow/Phytogen	PX5590-01WRF	1,931.5	bc	36.2	31	37	4.6	33.4	1.16	4	82.7	3.7	\$1,075.72
Dow/Phytogen	PX5540-63WRF	1,904.7	bcd	35.8	31	38	4.1	34.2	1.18	5	83.1	2.1	\$1,029.43
Dow/Phytogen	PX3003-10WRF	1,847.2	cde	35.7	31	36	4.8	30.2	1.14	4	81.8	3.9	\$1,033.12
Dow/Phytogen	PX3122b-51WRF	1,840.2	cde	35.7	31	37	4.5	30.9	1.16	4	83.1	3.8	\$1,026.60
Dow/Phytogen	PX5540-10WRF	1,787.5	def	36.1	41	37	4.1	32.1	1.15	5	82.7	1.7	\$960.70
Monsanto/Deltapine	13R310B2R2	1,760.9	efg	37.7	31	36	4.3	31.4	1.15	4	81.8	4.1	\$987.47
Dow/Phytogen	PX5540-57WRF	1,737.2	efg	34.5	31	38	4.1	32.2	1.20	5	82.7	2.5	\$946.02
Monsanto/Deltapine	DP1321B2RF	1,711.8	efg	36.0	31	37	4.9	32.2	1.15	4	82.9	3.1	\$943.89
Bayer/FiberMax	FM2334GLT	1,699.5	fgh	37.9	21	37	4.8	32.0	1.18	3	82.3	5.8	\$981.44
Premium Cotton Genetics	MG50708	1,662.7	fghi	32.0	21	38	4.8	32.3	1.18	2	82.6	5.9	\$963.28
Bayer/FiberMax	FM1944GLB2	1,646.2	ghij	34.9	31	37	4.7	31.8	1.17	3	82.2	5.4	\$944.70
Dow/Phytogen	PX3003-04WRF	1,638.9	ghij	33.7	21	37	4.5	32.3	1.15	3	81.3	5.1	\$934.91
Dow/Phytogen	PX5652-15WRF	1,633.5	ghij	37.3	31	36	4.7	31.0	1.13	3	82.0	3.2	\$903.12
Bayer/Stoneville	ST4946GLB2	1,573.5	hij	35.2	31	37	4.7	31.8	1.15	3	82.6	4.6	\$890.29
Bayer/FiberMax	FM1830GLT	1,550.6	ij	36.8	21	38	4.7	32.8	1.18	2	82.3	5.8	\$895.66
Bayer/Stoneville	ST6448GLB2	1,516.8	jk	33.8	31	38	4.7	30.4	1.20	3	82.2	4.7	\$859.70
CPS/DynaGro	CT14515	1,514.4	jk	34.6	21	38	4.8	33.0	1.19	3	82.3	5.7	\$872.68
Dow/Phytogen	PX4539-15WRF	1,412.4	kl	34.1	21	37	4.4	31.5	1.15	3	82.0	5.4	\$811.07
Premium Cotton Genetics	MG30727	1,408.7	kl	31.2	21	38	4.9	32.7	1.18	2	82.2	5.4	\$807.02
Premium Cotton Genetics	MG10702	1,390.1	kl	29.8	31	36	4.9	35.7	1.14	3	83.4	4.6	\$786.19
CPS/DynaGro	CT13464	1,375.1	lm	33.3	31	38	4.3	33.1	1.19	4	82.6	2.5	\$748.73
CPS/DynaGro	CT13454	1,363.3	lmn	32.3	31	40	4.4	33.3	1.24	5	83.3	2.4	\$741.94
Bayer/Stoneville	ST5289GLT	1,361.4	lmn	34.2	41	37	4.5	29.9	1.14	5	81.9	0.7	\$718.58
Monsanto/Deltapine	DP1410B2RF	1,336.2	lmn	34.8	31	36	4.4	30.3	1.14	4	80.0	3.1	\$736.43
Bayer/Stoneville	ST5032GLT	1,304.9	lmno	34.2	21	38	4.5	32.0	1.18	3	82.2	4.9	\$742.47
Premium Cotton Genetics	MG20717	1,297.4	lmno	29.5	31	37	4.9	31.1	1.16	3	82.1	5.0	\$739.80
CPS/DynaGro	CT13125	1,296.3	lmno	34.9	21	37	4.6	30.4	1.15	3	83.0	5.1	\$740.13
Dow/Phytogen	PHY499WRF	1,242.2	mno	35.3	31	36	4.8	32.6	1.12	4	82.6	3.9	\$693.82
Bayer/FiberMax	FM1320GL	1,233.8	no	36.0	31	36	4.9	32.2	1.14	3	81.9	4.5	\$696.48
Dow/Phytogen	PX4444-13WRF	1,185.7	op	37.1	21	38	4.1	31.2	1.19	2	81.6	5.8	\$684.88
Bayer/FiberMax	FM2322GL	1,085.3	pq	38.4	31	38	4.6	33.4	1.18	4	82.4	3.7	\$604.62
Bayer/Stoneville	ST4747GLB2	1,021.5	q	33.8	31	37	4.7	29.4	1.15	3	81.4	4.1	\$573.08
Premium Cotton Genetics	MG40713	959.0	q	28.3	21	39	5.0	34.1	1.21	2	82.5	5.3	\$547.67
Average		1,548.3		34.8	---	37	4.6	32.1	1.16	3	82.3	4.3	\$872.15
LSD§		136.7		1.6	---	1	0.2	1.3	0.02	1	0.8	1.6	\$79.79
OSL†		<0.0001		<0.0001	---	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
CV‡		6.3		3.2	---	1.7	2.6	3.0	1.5	16.5	0.7	26.0	6.5

\* 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 Advanced Strain Testing Program, Maricopa, AZ, 2014.

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	DP1555B2RF	2,316.4	a	41.4	21	38	4.9	33.6	1.19	2	82.6	5.3	\$1,326.01
Monsanto/Deltapine	12R249B2R2	2,302.1	ab	38.7	31	38	4.9	34.4	1.18	3	82.5	3.4	\$1,275.78
Monsanto/Deltapine	DP1359B2RF	2,217.1	abc	37.4	31	38	4.9	34.6	1.19	3	82.2	4.4	\$1,249.47
Monsanto/Deltapine	DP1044B2RF	2,190.4	abcd	35.8	31	37	5.1	30.4	1.16	3	83.0	1.9	\$1,180.91
Bayer/FiberMax	FM1830GLT	2,155.9	bcde	38.8	31	40	4.8	33.5	1.24	3	83.3	4.8	\$1,223.71
Bayer/FiberMax	FM2334GLT	2,154.7	bcde	38.7	21	40	4.8	32.8	1.23	2	83.2	6.0	\$1,248.81
Dow/Phytogen	PX5590-01WRF	2,131.8	bcde	39.1	31	38	4.9	33.6	1.17	4	83.1	3.5	\$1,183.34
Monsanto/Deltapine	DP1558NRB2RF	2,052.1	cdef	36.7	31	39	5.1	34.0	1.21	3	83.5	2.1	\$1,109.75
Bayer/Stoneville	ST6448GLB2	2,051.6	defg	35.2	31	40	4.7	32.1	1.23	3	82.6	5.0	\$1,169.40
Dow/Phytogen	PX5540-57WRF	2,030.1	efgh	35.9	31	38	4.4	32.4	1.20	4	82.8	2.9	\$1,112.28
Dow/Phytogen	PHY499WRF	2,028.7	efgh	38.4	31	37	4.8	33.2	1.15	4	83.2	3.1	\$1,117.63
Dow/Phytogen	PX5652-15WRF	2,010.7	efghi	37.4	31	38	4.7	33.4	1.17	3	83.6	4.7	\$1,139.69
Monsanto/Deltapine	MON14R1455B2R2	1,990.0	fghij	39.0	31	38	5.0	35.1	1.19	3	83.6	3.1	\$1,097.39
Dow/Phytogen	PX3003-04WRF	1,978.5	ghij	34.8	31	37	5.0	34.0	1.17	3	82.7	3.5	\$1,098.41
Dow/Phytogen	PX3003-10WRF	1,965.5	ghijk	35.4	31	37	5.0	32.2	1.16	3	82.1	3.4	\$1,089.35
Monsanto/Deltapine	13R310B2R2	1,958.6	ghijk	38.7	31	38	4.4	32.3	1.19	3	83.4	4.7	\$1,109.63
Bayer/Stoneville	ST4946GLB2	1,935.1	ghijkl	36.0	31	37	4.9	32.7	1.17	4	83.1	2.6	\$1,055.87
Dow/Phytogen	PX5540-10WRF	1,922.0	ghijkl	37.7	41	38	4.2	33.2	1.18	5	82.5	0.5	\$1,008.30
Premium Cotton Genetics	MG30727	1,911.0	ghijklm	33.5	31	39	4.9	32.3	1.23	2	83.2	3.6	\$1,062.20
Dow/Phytogen	PX4539-15WRF	1,909.5	ghijklm	35.5	31	38	4.6	34.8	1.20	3	83.7	5.7	\$1,100.58
Bayer/FiberMax	FM1944GLB2	1,892.4	hijklmn	35.8	31	39	4.9	34.1	1.22	3	83.4	4.5	\$1,069.66
Dow/Phytogen	PX3122b-51WRF	1,889.1	hijklmn	37.3	31	38	4.8	33.0	1.19	4	83.8	3.9	\$1,055.17
Premium Cotton Genetics	MG50708	1,883.9	hijklmn	34.5	31	38	4.8	32.8	1.19	3	82.9	5.2	\$1,076.83
Dow/Phytogen	PX4444-13WRF	1,868.5	ijklmno	38.2	31	40	4.4	32.5	1.24	3	83.1	5.5	\$1,073.86
CPS/DynaGro	CT13454	1,852.9	ijklmnop	33.6	31	40	4.3	34.7	1.25	5	83.0	2.5	\$1,009.82
Monsanto/Deltapine	DP1410B2RF	1,841.7	ijklmnop	35.8	41	39	4.3	34.2	1.21	4	82.5	2.0	\$994.36
Bayer/Stoneville	ST5032GLT	1,816.2	klmnop	36.6	31	38	4.7	32.5	1.19	4	82.4	3.5	\$1,008.12
Dow/Phytogen	PX5540-63WRF	1,794.4	lmnopq	37.7	41	38	4.3	34.4	1.19	4	83.5	2.1	\$970.12
CPS/DynaGro	CT14515	1,767.0	mnopqr	35.5	31	39	4.7	34.1	1.22	3	83.1	5.2	\$1,011.38
Monsanto/Deltapine	DP1321B2RF	1,762.5	mnopqr	36.4	31	37	5.1	32.5	1.15	4	83.2	0.8	\$930.81
CPS/DynaGro	CT13125	1,745.1	nopqr	37.8	31	38	4.8	31.7	1.19	3	83.2	4.3	\$982.09
Bayer/Stoneville	ST4747GLB2	1,723.7	opqr	34.1	41	39	4.5	31.5	1.21	4	82.2	1.9	\$928.17
Premium Cotton Genetics	MG10702	1,710.4	pqr	32.1	31	37	5.0	35.7	1.17	3	83.7	4.5	\$965.25
CPS/DynaGro	CT13464	1,710.0	pqr	34.6	31	40	4.3	34.3	1.23	5	83.4	1.9	\$920.49
Bayer/Stoneville	ST5289GLT	1,663.7	qrs	36.2	41	37	4.8	31.0	1.15	5	81.1	-0.9	\$849.82
Bayer/FiberMax	FM1320GL	1,625.6	rst	37.2	31	38	5.0	33.7	1.17	3	82.7	2.6	\$886.50
Premium Cotton Genetics	MG40713	1,521.0	st	31.1	31	40	5.1	33.3	1.26	3	83.0	3.0	\$836.81
Bayer/FiberMax	FM2322GL	1,493.5	t	36.3	41	39	4.6	35.3	1.22	4	83.1	3.0	\$821.10
Premium Cotton Genetics	MG20717	1,265.6	u	28.7	31	38	5.1	32.7	1.18	3	82.6	2.9	\$694.33
Average		1,898.4		36.2	---	38	4.7	33.3	1.20	3	83.0	3.4	\$1,052.39
LSD§		149.7		2.0	---	1	0.2	1.5	0.03	1	0.8	1.7	\$83.55
OSL†		<0.0001		<0.0001	---	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
CV‡		5.6		3.8	---	1.7	2.7	3.1	1.5	14.5	0.7	36.2	5.7

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

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‡ Coefficient of Variation

2014

Cotton Variety Testing Results



Yield and fiber quality data for The University of Arizona Upland Cotton Advanced Strain Testing Program, Safford, AZ, 2014.

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)
Dow/Phytogen	PX5590-01WRF	2,059.9	a	40.5	41	37	4.0	31.0	1.15	5	81.4	0.8	\$1,086.97
Bayer/FiberMax	FM2322GL	2,016.0	a	42.4	41	37	4.7	32.2	1.16	4	81.0	2.1	\$1,090.26
Bayer/FiberMax	FM2334GLT	1,996.1	ab	40.8	31	39	4.3	31.3	1.23	3	82.4	5.0	\$1,138.10
Bayer/FiberMax	FM1830GLT	1,933.0	bc	40.9	31	40	4.2	32.8	1.24	4	82.3	4.3	\$1,087.68
Monsanto/Deltapine	12R249B2R2	1,906.5	cd	39.4	41	37	3.9	32.4	1.15	4	80.9	2.1	\$1,030.63
Monsanto/Deltapine	MON14R1455B2R2	1,899.5	cd	41.4	41	37	4.4	32.8	1.17	5	82.9	1.3	\$1,012.84
Bayer/Stoneville	ST4747GLB2	1,875.8	cd	37.0	51	39	4.1	30.2	1.21	6	81.7	-3.4	\$911.85
Monsanto/Deltapine	DP1555B2RF	1,872.4	cd	42.3	31	37	4.4	31.2	1.16	4	81.8	3.8	\$1,044.81
Dow/Phytogen	PX5652-15WRF	1,828.8	de	37.7	41	36	4.2	32.2	1.13	4	82.0	1.7	\$982.88
Dow/Phytogen	PX5540-63WRF	1,770.0	ef	38.8	41	38	3.7	32.7	1.19	6	82.6	-2.9	\$869.26
CPS/DynaGro	CT13464	1,763.2	ef	37.4	41	39	4.1	33.0	1.23	6	82.7	-2.7	\$869.65
CPS/DynaGro	CT14515	1,737.2	f	38.0	41	38	4.0	32.4	1.18	4	82.2	1.8	\$934.58
CPS/DynaGro	CT13454	1,703.6	fg	35.8	51	39	4.0	33.0	1.22	6	83.0	-3.5	\$826.84
Bayer/FiberMax	FM1944GLB2	1,699.9	fgh	35.9	41	39	4.2	32.1	1.21	4	81.6	2.3	\$923.21
Monsanto/Deltapine	DP1558NRB2RF	1,648.0	ghi	39.9	41	37	4.5	32.2	1.16	5	82.1	1.4	\$878.98
Monsanto/Deltapine	13R310B2R2	1,646.3	ghi	40.7	41	37	4.1	30.6	1.15	5	82.6	-0.6	\$846.12
Bayer/FiberMax	FM1320GL	1,638.8	ghij	39.4	41	37	4.5	31.9	1.15	5	82.3	1.0	\$869.01
Dow/Phytogen	PX4539-15WRF	1,620.7	hijk	35.8	41	38	3.7	33.1	1.18	5	83.0	1.3	\$863.63
Dow/Phytogen	PX5540-10WRF	1,611.8	ijkl	38.8	41	38	3.6	31.9	1.18	6	82.3	-3.0	\$790.45
Bayer/Stoneville	ST5289GLT	1,570.2	ijkl	37.7	51	36	4.5	30.0	1.13	6	82.0	-3.0	\$769.01
Dow/Phytogen	PHY499WRF	1,569.9	ijkl	37.7	41	36	4.3	31.7	1.13	5	82.6	-0.8	\$802.99
Bayer/Stoneville	ST4946GLB2	1,564.7	jklm	36.6	41	36	4.1	31.5	1.14	5	82.3	-0.9	\$800.25
Dow/Phytogen	PX3003-04WRF	1,558.2	klmn	35.7	41	37	4.3	32.8	1.16	5	81.8	1.1	\$826.98
Monsanto/Deltapine	DP1044B2RF	1,552.6	klmn	36.1	41	36	4.1	30.3	1.14	4	81.4	-0.3	\$803.06
Monsanto/Deltapine	DP1359B2RF	1,546.4	klmno	38.1	41	38	3.7	32.7	1.18	4	81.0	2.3	\$839.33
Premium Cotton Genetics	MG50708	1,524.3	lmnop	36.2	41	37	4.6	31.9	1.16	3	82.3	2.6	\$832.35
Dow/Phytogen	PX3122b-51WRF	1,521.0	lmnop	36.9	41	38	3.9	31.5	1.18	5	83.0	-0.6	\$781.99
Monsanto/Deltapine	DP1410B2RF	1,507.0	lmnopq	36.7	41	38	4.0	32.3	1.20	6	81.6	-2.6	\$745.18
Dow/Phytogen	PX5540-57WRF	1,489.1	mnpq	37.4	41	38	3.8	31.4	1.18	6	82.3	-1.9	\$746.63
Monsanto/Deltapine	DP1321B2RF	1,480.6	opq	38.0	41	37	4.1	31.7	1.16	5	82.8	-0.8	\$758.22
Premium Cotton Genetics	MG30727	1,472.2	opq	35.1	41	38	4.1	30.9	1.17	4	81.8	2.3	\$799.92
Bayer/Stoneville	ST6448GLB2	1,471.5	opq	36.2	41	38	4.2	29.8	1.19	4	81.5	2.0	\$794.77
Dow/Phytogen	PX4444-13WRF	1,463.8	pq	38.5	41	39	3.4	32.7	1.22	4	81.9	1.7	\$785.12
Premium Cotton Genetics	MG10702	1,427.8	qr	32.2	41	37	4.4	33.2	1.16	4	82.7	2.6	\$778.81
Dow/Phytogen	PX3003-10WRF	1,353.0	rs	35.8	41	36	4.0	30.4	1.14	5	81.0	0.4	\$708.81
Bayer/Stoneville	ST5032GLT	1,323.6	st	35.6	41	38	3.7	31.8	1.19	5	81.6	-0.1	\$686.45
CPS/DynaGro	CT13125	1,245.3	t	36.1	41	37	3.8	30.9	1.16	4	82.2	1.6	\$667.86
Premium Cotton Genetics	MG40713	1,096.1	u	34.2	31	39	4.5	32.6	1.21	3	82.4	4.3	\$615.97
Premium Cotton Genetics	MG20717	811.9	v	30.6	41	37	4.1	30.8	1.14	5	81.5	0.0	\$421.82
<b>Average</b>		<b>1,609.7</b>		<b>37.5</b>	<b>---</b>	<b>37.4</b>	<b>4</b>	<b>31.8</b>	<b>1.2</b>	<b>4.60</b>	<b>82</b>	<b>0.6</b>	<b>\$846.75</b>
<b>LSD§</b>		<b>80.1</b>		<b>0.9</b>	<b>---</b>	<b>1</b>	<b>0.3</b>	<b>1.0</b>	<b>0.03</b>	<b>1</b>	<b>1.0</b>	<b>2.0</b>	<b>\$53.24</b>
<b>OSL†</b>		<b>&lt;0.0001</b>		<b>&lt;0.0001</b>	<b>---</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>
<b>CV‡</b>		<b>3.6</b>		<b>1.7</b>	<b>---</b>	<b>1.9</b>	<b>5.1</b>	<b>2.2</b>	<b>1.8</b>	<b>13.3</b>	<b>0.9</b>	<b>250.7</b>	<b>4.5</b>

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

§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation

2014

Cotton Variety Testing Results



Yield and fiber quality data for The University of Arizona Upland Cotton Variety Testing Program, Parker, AZ, 2014.

Seed Company	Variety	Lint Yield (lbs/acre)	Yield Means Separation*	Percent Lint	Color Grade	Staple (32nds)	Micronaire	Strength (lg/tex)	Length (in.)	Leaf Grade	Uniformity Index (%)	Premium (cents/lb)	Value* (\$/acre)
Americot/NexGen	NG1511B2RF	2,482.5	a	39.3	41	36	5.0	31.6	1.14	3	82.9	1.9	\$1,336.51
Dow/Phytogen	PHY339WRF	2,302.0	ab	37.1	41	38	4.5	32.2	1.18	3	82.8	2.7	\$1,259.27
CPS/DynaGro	DG2570B2RF	2,209.1	abc	37.2	31	37	4.8	31.7	1.16	2	82.7	3.5	\$1,221.24
Dow/Phytogen	PHY499WRF	2,169.8	abc	38.6	41	37	4.9	33.3	1.15	4	82.9	1.5	\$1,157.24
Monsanto/Deltapine	DP1044B2RF	2,112.6	bc	36.1	41	36	4.6	31.4	1.13	3	82.2	3.5	\$1,173.81
Monsanto/Deltapine	DP1359B2RF	2,064.9	bcd	37.2	41	37	4.8	33.9	1.16	3	82.0	2.7	\$1,130.01
Bayer/FiberMax	FM1830GLT	1,936.3	dce	37.8	31	39	4.6	33.3	1.21	2	82.6	4.7	\$1,098.10
Bayer/FiberMax	FM2334GLT	1,728.1	ed	35.9	41	39	4.6	32.9	1.20	3	82.3	3.8	\$966.52
CPS/DynaGro	DG2355B2RF	1,718.5	e	33.8	41	37	4.7	32.0	1.16	3	81.2	2.9	\$944.37
Americot/NexGen	NG5315B2RF	1,671.5	e	36.7	31	37	4.4	32.0	1.17	2	83.6	4.7	\$947.88
<b>Average</b>		<b>2,039.5</b>		<b>37.0</b>	---	<b>37</b>	<b>4.7</b>	<b>32.5</b>	<b>1.17</b>	<b>3</b>	<b>82.5</b>	<b>3.2</b>	<b>\$1,123.49</b>
LSD§		341.4		1.2	---	1	0.3	1.5	0.02	1	1.1	NS	\$187.50
OSL†		0.001		<0.0001	---	<0.0001	0.0040	0.0252	<0.0001	0.0187	0.0242	0.3090	0.0028
CV‡		9.8		1.9	---	1.4	3.3	2.7	1.2	16.5	0.8	51.1	9.7

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

§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation

2014

Cotton Variety Testing Results



Yield and fiber quality data for The University of Arizona Upland Cotton Variety Testing Program, Goodyear, AZ, 2014.

Seed Company	Variety	Lint Yield (lbs/acre)	Yield Means Separation*	Percent Lint	Color Grade	Staple (32nds)	Micronaire	Strength (lg/tex)	Length (in.)	Leaf Grade	Uniformity Index (%)	Premium (cents/lb)	Value* (\$/acre)
Dow/Phytogen	PHY339WRF	1,919.5	a	39.4	21	38	4.3	32.6	1.18	2	82.5	5.9	\$1,111.55
Dow/Phytogen	PHY499WRF	1,737.1	b	37.1	21	38	4.5	32.2	1.18	3	83.4	5.4	\$997.11
Monsanto/Deltapine	DP1044B2RF	1,692.6	bc	35.0	21	37	4.1	31.3	1.16	2	82.7	6.1	\$983.89
NexGen	NG1511B2RF	1,663.1	bcd	37.5	21	37	4.7	30.9	1.15	3	82.7	5.2	\$951.71
Monsanto/Deltapine	DP1321B2RF	1,632.6	cd	38.2	21	38	4.8	31.2	1.18	2	82.8	6.1	\$948.24
Bayer/Stoneveille	ST6448GLB2	1,626.5	cd	35.4	21	39	3.9	30.0	1.23	2	82.5	6.1	\$945.01
Bayer/FiberMax	FM1830GLT	1,612.1	cd	37.8	21	38	4.3	35.9	1.20	3	82.0	5.0	\$918.04
CPS/DynaGro	DG2285B2RF	1,596.8	d	36.9	21	38	4.4	30.6	1.18	3	83.0	5.3	\$915.46
Monsanto/Deltapine	DP1359B2RF	1,588.1	d	35.6	21	39	3.4	33.6	1.22	3	82.1	3.8	\$886.35
CPS/DynaGro	DG2570B2RF	1,587.9	d	35.7	21	37	4.3	31.0	1.16	1	82.6	6.0	\$921.51
Bayer/Stoneveille	ST5289GLT	1,441.7	e	34.3	31	37	4.4	30.9	1.16	5	80.8	1.5	\$771.56
<b>Average</b>		<b>1,645.3</b>		<b>36.6</b>	---	<b>38</b>	<b>4.3</b>	<b>31.8</b>	<b>1.18</b>	<b>3</b>	<b>82.5</b>	<b>5.1</b>	<b>\$940.95</b>
LSD§		88.9		1.2	---	1	0.1	1.2	0.03	1	0.7	1.50	\$58.34
OSL†		<0.0001		<0.0001	---	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001
CV‡		3.2		2.0	---	1.6	2.0	2.1	1.3	15.1	0.5	17.6	3.6

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

§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation

**2014**  
Cotton Variety Testing Results



**Yield and fiber quality data for The University of Arizona Upland Cotton Variety Testing Program, Stanfield, AZ, 2014.**

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	DP1359B2RF	1,899.1	a	37.0	31	38	4.8	33.3	1.19	2	82.0	5.3	\$1,087.33
Dow/Phytogen	PHY499WRF	1,762.8	ab	36.6	31	36	4.6	32.8	1.14	3	82.5	3.6	\$979.07
Bayer/Stoneville	ST4946GLB2	1,725.7	ab	34.9	31	37	4.8	33.0	1.16	3	82.2	4.8	\$980.88
CPS/DynaGro	DG2570B2RF	1,701.7	b	35.7	21	36	4.6	31.0	1.13	2	82.4	5.5	\$978.58
Americot/NexGen	NG1511B2RF	1,691.3	b	36.7	31	36	4.8	32.3	1.13	3	82.4	4.8	\$960.65
Monsanto/Deltapine	DP1044B2RF	1,670.8	b	34.5	21	38	4.7	31.4	1.18	2	82.6	4.9	\$951.33
Dow/Phytogen	PHY339WRF	1,636.1	bc	36.2	31	37	4.4	33.0	1.17	3	82.2	5.1	\$933.99
CPS/DynaGro	DG2355B2RF	1,455.7	cd	33.4	31	36	4.4	32.2	1.14	3	81.9	4.2	\$818.45
Americot/NexGen	NG5315B2RF	1,449.4	d	37.8	21	38	4.7	30.4	1.18	2	82.8	5.9	\$839.17
Bayer/FiberMax	FM1830GLT	1,428.0	d	36.8	21	39	4.8	33.9	1.21	2	82.8	6.2	\$831.38
<b>Average</b>		<b>1,642.1</b>		<b>35.9</b>	<b>---</b>	<b>37</b>	<b>4.7</b>	<b>32.3</b>	<b>1.16</b>	<b>3</b>	<b>82.4</b>	<b>5.0</b>	<b>\$936.08</b>
LSD§		185.3		1.4	---	1	0.3	1.6	0.03	1	NS	1.30	\$111.88
OSL†		0.0006		0.0001	---	<0.0001	0.0295	0.0064	<0.0001	0.0050	0.1423	0.0198	0.0019
CV‡		6.6		2.3	---	1.3	3.5	3.0	1.4	21.9	0.5	15.1	7.0

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

§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation

**2014**  
Cotton Variety Testing Results



**Yield and fiber quality data for The University of Arizona Upland Cotton Variety Testing Program, Queen Creek, AZ, 2014.**

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	DP1359B2RF	1,985.3	a	40.3	31	37	4.9	31.8	1.15	3	81.3	4.8	\$1,127.64
Bayer/FiberMax	FM2334GLT	1,974.7	a	40.5	31	39	4.8	32.2	1.21	2	82.7	5.9	\$1,143.36
Bayer/FiberMax	FM1830GLT	1,930.5	a	40.1	31	39	4.8	33.2	1.20	2	82.9	5.9	\$1,118.03
NexGen	NG5315B2RF	1,915.6	a	41.5	31	37	5.0	29.9	1.17	2	83.1	3.9	\$1,073.05
Monsanto/Deltapine	DP1044B2RF	1,797.3	a	37.0	31	37	5.2	30.3	1.14	2	82.3	2.4	\$977.34
Dow/Phytogen	PHY339WRF	1,760.0	a	38.9	41	37	4.4	32.1	1.15	3	82.7	4.2	\$991.45
NexGen	NG1511B2RF	1,734.0	a	40.4	41	38	5.0	30.5	1.20	3	82.6	2.3	\$942.24
CPS/DynaGro	DG2570B2RF	1,650.9	a	38.6	31	36	4.9	30.4	1.13	2	83.2	5.4	\$948.05
CPS/DynaGro	DG2285B2RF	1,599.8	a	38.9	31	36	4.5	30.2	1.14	3	82.2	4.9	\$909.54
Dow/Phytogen	PHY499WRF	1,567.4	a	39.1	41	36	4.9	32.4	1.13	3	82.8	4.1	\$878.50
<b>Average</b>		<b>1,791.5</b>		<b>39.5</b>	<b>---</b>	<b>37</b>	<b>4.8</b>	<b>31.3</b>	<b>1.16</b>	<b>2</b>	<b>82.6</b>	<b>4.4</b>	<b>\$1,010.92</b>
LSD§		NS		2.2	---	NS	0.4	1.8	NS	NS	NS	NS	NS
OSL†		0.1594		0.0431	---	0.1399	0.0202	0.0192	0.1973	0.1114	0.1331	0.1025	0.1033
CV‡		8.7		2.5	---	2.6	3.2	2.5	2.8	19.4	0.6	26.7	8.7

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

§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation



**2014**  
Cotton Variety Testing Results



**Yield and fiber quality data for The University of Arizona Upland Cotton Variety Testing Program, Eloy, AZ, 2014.**

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)
Dow/Phytogen	PHY499WRF	1,957.1	a	41.6	31	38	4.6	31.4	1.19	3	82.7	5.0	\$1,115.72
Monsanto/Deltapine	DP1359B2RF	1,742.1	ab	38.2	31	38	4.5	31.4	1.19	3	82.7	5.5	\$1,003.15
Monsanto/Deltapine	DP1044B2RF	1,674.5	ab	36.1	21	37	4.5	31.8	1.18	2	82.3	6.1	\$972.04
NexGen	NG5315B2RF	1,660.7	bc	39.1	21	39	4.4	29.1	1.21	2	83.9	5.9	\$961.94
NexGen	NG1511B2RF	1,591.5	bc	37.8	31	37	4.8	32.1	1.15	3	82.4	4.9	\$904.77
CPS/DynaGro	DG2285B2RF	1,571.1	bc	36.0	31	37	4.6	29.3	1.16	3	82.4	4.5	\$887.68
CPS/DynaGro	DG2570B2RF	1,544.2	bc	35.8	31	37	4.8	30.6	1.17	2	82.7	5.7	\$890.28
Dow/Phytogen	PHY339WRF	1,478.7	bc	38.0	31	39	3.9	32.4	1.22	3	81.6	5.6	\$851.82
Bayer/FiberMax	FM2322GL	1,464.4	bc	41.2	41	40	4.2	33.1	1.25	4	82.7	2.7	\$800.87
Bayer/Stoneville	ST5032GLT	1,381.1	c	34.0	31	39	4.3	31.2	1.20	4	82.6	4.2	\$776.22
<b>Average</b>		<b>1,606.6</b>		<b>37.8</b>	<b>---</b>	<b>38</b>	<b>4.4</b>	<b>31.2</b>	<b>1.19</b>	<b>3</b>	<b>82.6</b>	<b>5.0</b>	<b>\$916.45</b>
LSD§		283.5		2.7	---	2	0.2	1.2	0.04	1	NS	1.20	\$160.54
OSL†		0.0407		0.0024	---	0.0183	0.0003	0.0006	0.0086	0.0398	0.4771	0.0031	0.0250
CV‡		7.8		3.2	---	1.8	2.3	1.7	1.5	16.6	0.9	10.5	7.7

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

§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation

**2014**  
Cotton Variety Testing Results



**Yield and fiber quality data for The University of Arizona Upland Cotton Variety Testing Program, Thatcher, AZ, 2014.**

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)
Bayer/FiberMax	FM1830GLT	2,126.0	a	41.6	31	39	4.2	32.2	1.23	3	82.9	5.1	\$1,214.49
Bayer/Stoneville	ST4946GLB2	1,893.7	b	37.6	31	38	4.0	32.9	1.18	4	82.6	3.6	\$1,052.58
Dow/Phytogen	PHY499WRF	1,860.6	bc	38.7	41	37	4.0	31.6	1.16	5	82.7	1.1	\$987.78
Monsanto/Deltapine	DP1044B2RF	1,827.6	bc	37.5	31	37	4.0	30.5	1.16	4	82.2	3.6	\$1,016.98
Monsanto/Deltapine	DP1321B2RF	1,821.1	bc	38.2	41	38	4.0	31.4	1.18	5	83.1	1.3	\$969.92
Dow/Phytogen	PHY339WRF	1,777.6	bcd	37.3	31	39	3.9	31.0	1.20	3	82.5	4.6	\$1,005.61
CPS/DynaGro	DG2570B2RF	1,760.8	bcd	38.0	31	37	4.0	30.6	1.15	3	82.2	5.0	\$1,002.95
Americot/NexGen	NG5315B2RF	1,743.1	cd	41.1	31	37	4.2	28.9	1.16	3	83.0	5.0	\$994.18
Americot/NexGen	NG1511B2RF	1,735.6	cd	38.7	41	37	4.0	31.3	1.15	5	82.1	1.1	\$922.33
CPS/DynaGro	DG2285B2RF	1,649.4	d	38.0	31	37	3.7	30.4	1.16	4	82.5	4.1	\$924.65
<b>Average</b>		<b>1,819.5</b>		<b>38.7</b>	<b>---</b>	<b>37</b>	<b>4.0</b>	<b>31.1</b>	<b>1.17</b>	<b>4</b>	<b>82.6</b>	<b>3.4</b>	<b>\$1,009.15</b>
LSD§		134.3		1.0	---	1	0.2	1.1	0.02	1	NS	1.50	\$81.98
OSL†		<0.0001		<0.0001	---	<0.0001	0.0009	<0.0001	<0.0001	<0.0001	0.0737	<0.0001	<0.0001
CV‡		5.1		1.4	---	1.7	3.5	2.5	1.2	13.0	0.6	30.2	6.0

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

§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation

**2014**

Cotton Variety Testing Results



**Yield and fiber quality data for The University Pima Cotton Variety Testing Program, Ak-chin, AZ, 2014.**

Seed Company	Variety	Lint Yield (lbs/acre)	Yield Means Separation*	Percent Lint	Color Grade	Staple (32nds)	Micronaire	Strength (lb/tex)	Length (in.)	Leaf Grade	Uniformity Index (%)	Price (cents/lb)	Value * (\$/acre)
Dow/Phytogen	PHY811RF	1,084.6	a	30.1	2	44	3.8	43.1	1.38	3	86.3	76.9	\$833.85
Monsanto/Deltapine	DP358RF	1,013.6	ab	30.6	2	44	3.8	42.0	1.38	3	85.8	76.1	\$771.35
Dow/Phytogen	PHY805RF	966.5	b	32.0	2	44	4.0	43.9	1.38	3	85.6	76.9	\$742.25
<b>Average</b>		<b>1,021.6</b>		<b>30.9</b>	<b>---</b>	<b>44</b>	<b>3.9</b>	<b>43.0</b>	<b>1.38</b>	<b>3</b>	<b>85.9</b>	<b>76.6</b>	<b>\$782.48</b>
LSD§		73.9		NS	---	NS	0.1	NS	NS	NS	NS	NS	\$61.50
OSL†		0.0279		0.2141	---	0.8920	0.0156	0.4145	0.8858	0.8403	0.2330	0.9111	0.0336
CV‡		3.2		3.5	---	2.2	1.1	3.8	1.2	28.1	0.5	3.3	3.5

\* Value calculated from CCC loan schedule base price of \$0.7977/lb + premium/discount

§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation

**2014**

Cotton Variety Testing Results



**Yield and fiber quality data for The University Pima Cotton Variety Testing Program, Maricopa, AZ, 2014.**

Seed Company	Variety	Lint Yield (lbs/acre)	Yield Means Separation*	Percent Lint	Color Grade	Staple (32nds)	Micronaire	Strength (lb/tex)	Length (in.)	Leaf Grade	Uniformity Index (%)	Price (cents/lb)	Value * (\$/acre)
Dow/Phytogen	PHY805RF	1,384.5	a	33.2	3	45	4.1	44.5	1.41	3	86.3	71.3	\$988.41
Monsanto/Deltapine	DP357	1,330.6	a	31.4	3	44	4.2	41.8	1.38	2	85.9	77.3	\$1,028.66
Dow/Phytogen	PHY811RF	1,289.3	a	30.7	3	45	4.0	44.2	1.41	4	86.2	73.2	\$943.48
Monsanto/Deltapine	DP358RF	1,228.0	a	29.0	3	45	3.9	43.3	1.41	3	86.1	74.4	\$914.94
<b>Average</b>		<b>1,308.1</b>		<b>31.1</b>	<b>---</b>	<b>44</b>	<b>4.0</b>	<b>43.4</b>	<b>1.40</b>	<b>3</b>	<b>86.1</b>	<b>74.1</b>	<b>\$968.87</b>
LSD§		NS		NS	---	NS	0.2	NS	NS	1	NS	NS	NS
OSL†		0.2093		0.1608	---	0.1138	0.0425	0.0592	0.0822	0.0250	0.6936	0.3240	0.4598
CV‡		7.4		7.5	---	1.3	3.0	3.0	1.0	19.9	0.6	5.9	10.6

\* Value calculated from CCC loan schedule base price of \$0.7977/lb + premium/discount

§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation

**2014**

Cotton Variety Testing Results



**Yield and fiber quality data for The University Pima Cotton Variety Testing Program, Safford, AZ, 2014.**

Seed Company	Variety	Lint Yield (lbs/acre)	Yield Means Separation*	Percent Lint	Color Grade	Staple (32nds)	Micronaire	Strength (lb/tex)	Length (in.)	Leaf Grade	Uniformity Index (%)	Price (cents/lb)	Value * (\$/acre)
Monsanto/Deltapine	DP357	1,233.7	a	35.1	2	44	3.7	42.6	1.38	3	85.9	76.1	\$938.81
Dow/Phytogen	PHY811RF	1,162.6	a	35.0	2	43	3.8	42.6	1.36	3	85.9	76.6	\$890.21
Dow/Phytogen	PHY805RF	1,148.0	a	33.8	2	44	3.7	43.0	1.39	3	86.1	77.5	\$889.80
Monsanto/Deltapine	DP358RF	1,104.9	a	32.7	2	45	3.8	41.7	1.39	2	86.4	78.4	\$865.89
<b>Average</b>		<b>1,162.3</b>		<b>34.2</b>	<b>---</b>	<b>44</b>	<b>3.8</b>	<b>42.5</b>	<b>1.38</b>	<b>3</b>	<b>86.0</b>	<b>77.1</b>	<b>\$896.18</b>
LSD§		NS		NS	---	NS	NS	NS	NS	NS	NS	NS	NS
OSL†		0.2641		0.185	---	0.1705	0.7195	0.7167	0.3543	0.3795	0.3513	0.4118	0.5280
CV‡		7.4		4.7	---	1.7	6.3	4.0	1.6	22.9	0.5	2.6	7.7

\* Value calculated from CCC loan schedule base price of \$0.7977/lb + premium/discount

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