ARIZONA. UNIVERSITY.

REPORT OF THE COTTON SURVEY OF SALT RIVER VALLEY, NOV., 1922.

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November, 1922.

As a result of numerous requests for a "cotton survey" of the Salt River Valley, President Cloyd H. Marvin of the University directed that such a survey be made. Professors W. E. Bryan, S. P. Clark and G. E. Thompson were delegated to the field work of the survey. The Phoenix Chamber of Commerce, the Bankers' Association, the Pima Cotton Growers' Association, the Maricopa Farm Bureau and other organizations assisted in the survey by furnishing transportation, maps, etc. The actual field survey was made from November 9 to November 18 inclusive.

Five distinct varieties of cotton were found growing in the valley. A summary of the information collected follows, each variety being discussed separately.

PIMA

The findings in regard to this variety are:

Source of Seed:

As is well known, the seed for planting this variety was obtained through the Tempe Cotton Exchange, or from fields whose seed had been obtained from this organization.

General Conditions of Planting:

The data shows that Pima was planted earlier, and that more seed was planted per acre than was the case with most of the short staple varieties. The average date of planting Pima on the fields examined was April 13. The average amount of seed planted on the same Pima fields was 22 pounds per acre. The average estimated percentage of

stand secured on the Pima fields was 91. Thirteen of the nineteen fields examined had each an estimated 100 percent stand.

General Distribution:

Pima, as is well known, has wider general distribution over the valley than any other variety, there being 73,272 acres according to data compiled by the Maricopa Credit Corporation.

Average Yield:

The survey shows that the average yield of seed cotton per acre for Pima is 1072 pounds.

Length of Staple:

The length of staple on most of the fields examined was about 1-5/8 inches.

Percentage of Lint:

The percentage of lint was between 26 percent and 28 percent.

Price Range:

The price of the lint ranged from 27½ cents to 31 cents per pound.

Growers' Opinion of Pima:

The prevailing opinion of the growers of Pima seems to be that it is one of the best varieties to grow, provided a dependable market for it can be provided, especially when the normal price differential between it and short staple cotton has been established. For this reason the growers of Pima are particularly desirous of guarding the pure seed supply, so that those who are, or will be, growing short staple can return to Pima when the normal price and satisfactory marketing conditions have returned.

VAR[illegible] - IMA

Grower's name	Location S. T. R.	Date Planted	No. acres planted	Lbs. planted per acre	% Stand	No. Culti.	No. Irrig.	Date 1st picking	Date last picking	Price picking per pound	Acre yield Seed cotton	Lint	% Lint	Length of staple	Sale price seed cotton	Sale price lint	Sale price seed	Remarks
Parker	15 2N 1E	3-28	50	25	100	8	8	9-1	Jan.1	$2\frac{1}{4}$	750				8 and $9\frac{1}{2}$			
Hurley	25 2N 1E	4-10	40	25	100	8	8	10-1	12-1	2	700				$7\frac{3}{4}$ and 8-2/5			
Smith	1 2N 1E	4-10	$5\frac{1}{2}$	30	100	10	7	10-15	11-20	2	1200				9 - $9\frac{1}{2}$ - $8\frac{3}{4}$			
More	2 2N 1E	4-15	20	25	100	7	10	9-25	12-15	2	1000				$8\frac{1}{4}$			
Tuttle	2 2N 1E	5-1	15	25	100	6	6	10-1	12-15	2	1000				7 - $8\frac{1}{4}$			
Riggins	32 2N 2E	4-15	30	15	100	5	6	9-6	12-15	2	1000	260	26	1-5/16				
Midiffer	8 1N 2E	4-15	14	20	100	7	4	10-10	12-15	2					8			
Short	19 1N 1E	4-15	5	20	50	3	5	9-25	12-15	Picked self	340				8			
Gehem	26 1N 1E	4-15	47	25	50	6	7	9-15	Jan.1	2	666				$8\frac{1}{2}$			
Ellison	28 1N 1E	5-20	30	30	75	5	5	10-10	12-1	2					8			
Pryor	19 1N 2E	4-5	12	25	75	5	6	10-10	12-1	2	800				$8\frac{3}{4}$			
Willis	24 1N 1E	4-30	52	25	100	9	12	10-20	Jan. 1	2	1000	270	27	1-9/16				
Davis	2 2N 1E	4-15	6	20	100	6	5	10-1	12-1	2	1600				8			
Little	24 2N 1E	3-25	15	20	100	8	6	11-13	12-15	2	666							
Elliot	25 2N 2E	3-28	$7\frac{1}{2}$	25	75	7	7	9-15	12-1	2	2000	540	27	1-5/8-1-9/16				
Ewing	13 2N 1E	4-8	--	20	100	-	-	9-15	--	2	1500	420	28	$1\frac{1}{2}$				Damage by black-arm
Simmons	34 1N 2E	4-10	17	30	100	8	10	10-1	12-1	2	1270				8 and 9			
Wynn	27 1N 3E	3-25	20	20	100	10	10	9-20	12-1	2 and 3	1500	400	27	Est. 1-5/8		34		
Neil	26 1N 3E	4-17	5	30	98	5	8	9-15	11-6	2	1200							
Average		4-13	21.72	23.95	90.68	6.83	7.22			Average 2.07	1070.12							

HARTSVILLE OR DELTA

Findings in regard to this variety are as follows:

Source of Seed:

Most of the seed for planting this variety was obtained from various growers in the valley who had been growing it in small patches planted with imported seed.

General Conditions of Planting:

Owing to the small amount of seed available the number of pounds planted per acre was much smaller than was actually required for a good stand. The average number of pounds planted per acre was 14. In the opinion of most growers, at least twice this amount should have been planted. In the opinion of most growers it was planted too late for the highest yields. The average date of planting was May 24, which is about forty days later than the average date of planting for Pima. The range of planting dates was from April 27 to July 25. The average estimated percentage stand secured was 70.

General Distribution:

There are only three large fields of Hartsville. One of these is located southeast of Mesa, one near Peoria, and the other in the Buckeye district. The remaining fields are small and few in number. The total acreage is 857 acres.

Length of Staple:

The most common length of staple found was $1\frac{1}{4}$ inches.

Percentage of Lint:

Most farmers reported a ginning outturn of 29 percent.

Price Range:

Nearly all the growers announced their intention of selling the seed for planting.

The seed cotton was sold at 8 and 9 cents per pound. The lint price was from 27 to 31 cents.

Growers' Opinion of Hartsville:

All who grew this variety this year announced their intention of planting it again next year, and the seed in the valley available for planting has already been engaged by a great many growers.

VARIETY - HARTSVILLE OR DELTA

Grower's name	Location S. T. R.	Date planted	No. Acres planted	Lbs. planted per acre	% Stand	No. Culti.	No. Irrig.	Date 1st picking	Date last picking	Price picking per pound	Acre Yield Seed Cotton	% Lint	Length of staple	Sale price seed cotton	Sale price lint pounds	Sale price seed	Remarks
Watkins	10 1N 3E	5-10	6	14	50	6	6	9-1	11-15	1½¢	866	not in	1-3/16	not sold			
Carpenter	10 1N 3E	5-15	1¼	30	90	3	4	11-8	12-1	1½¢	1666	" "	1-1/4	" "			Alk. spots. Heavy frost injury
Henry	11 1S 3W	6-3	12	15	60	3	4	11-20	12-1	1½¢	Est.991	" "	1-1/4	" "			Our est. 1700# seed cotton per acre
Jones	28 1N 3E	5-20	10	5½	50	8	8	10-25	11-25	1½¢	" 2550	30	1-1/4	" "	31	none sold	Our est. 1275# seed cotton per acre
West	33 1N 3E	5-18	20	6	75	8	8	10-20	11-20	1½¢	1700	46	1-1/4	none sold	31 and 27	" "	
Ridgway	30 2N 3E	6-25	8	15	90	3	5	11-1	12-1	picked self	687	not in	1-1/4	" "			Cotton between grapes
Ezell	5 2N 3E	5-25	1½	12	95	10	8	10-10	12-1	1½¢	1866	" "	1-1/4	" "			
Attaway	19 2N 3E	5-31	10	30	90	7	3	9-20	11-20	1 and 1½¢	1190	" "	1-1/4	" "			Mixed with Durango
Johnson	36 2N 2E	5-1	34	--	75	-	8	9-1	--	1 and 1½¢	1200			7½ and 8	27½		Part grown between grapes. Owner not interviewed.
Burnett	25 3N 1E	--	10	--	--	-	-	--	--	--	1300						Couldn't find grower
Beogher	28 3N 1E	7-1	2	--	--	-	-	--	--	1½¢							
Long	27 3N 1E	5-2	26	12½	100	-	5	9-20	--	1¢	566						Three other later plantings
Hoode	29 1N 6E	7-25	36	20	100	-	4	not picked			Est.1500	40	1-5/16	none sold	none sold		
Hoode	29 1N 6E	5-13	19	20	50	5	-	10-1	--	1½¢	" 425						
Hoode	29 1N 6E	7-6	40	20	80	4	5	not picked	--	--	" 1700	50	1-5/16				Irrigation same as Pima/ 850# seed cotton per acre picked.
Soltman	21 2S 7E	5-29	3	12	70	3	4	10-20	--	picked self	" 850						
Armstrong	27 1S 5E	6-10	15	--	50	-	4	none picked	--	--	1700	37	1-1/8-1⅜				
Longacre	7 1N 2E	5-25	25	12	50	2	3	11-12	12-15	--	" 1300						Hartsville variety, but mixed
Donald	25 2N 1E	--	5	--	75	-	-	--	--	--	850	not in					
Pennington	24 2N 1E	5-15	25	10	60	3	2	10-20	12-15	1½¢	" 1300	" "	1-1/4				Could not locate grower
Hurley	25 2N 1E	5-7	20	7	50	4	8	11-1	12-1	1½¢	1584			8 and 8¼			
Rosson	34 3N 1E		120								850	24	27½				
Levin	32 1N 3E	5-10	3	10	95	4	3	10-21	not finished	picked by self	" 850		1-1/4				Grower moved away
Lee	22 1N 2E	4-27	5	8	80	6	4	10-15	--	1-135/100	" 2500	Est. 25	29	1-1/4	30	5¢	
Edmondson	14 1N 2E	5-5	30	9	33	5	4	10-15	--	1¼ - 1½	" 2500	" 25	29	1-3/8	28	5¢	
Kelley	27 2N 2E	5-11	5	7	50	4	7	9-15	11-25	1½¢	" 850	" 46	29	1-1/4	27½	5¢	
Short	19 1N 1E	5-15	5	20	60	3	5	9-20	12-10	picked self	1000			1-1/4	8½		
Shahan		5-20	1½	12	100	3	10	9-15	11-15	1½¢	" 800			1-1/4	8		
Miller											200						
Average		5-24	17.6	13.7	70.6	4.8	5.2			1.37	" 2500	37	29½	1-5/16	9		Our estimate 1700# per acre
											1304.8						

DURANGO

The findings of the cotton survey insofar as they affect the Durango variety are as follows:

Source of Seed:

Most of the Durango cotton seed brought to the Salt River Valley last spring was imported by Messrs. Blake and Sprague, officials of the gin located near five points. This seed was apparently imported from Blythe, California, and most of it was shipped to Liberty. Form this point it was distributed over the valley. The crop produced from this seed shows it to have been considerably mixed and undesirable for planting purposes.

General Conditions of Planting:

The earliest date recorded for planting Durango cotton was March 15, and the latest date June 28. The bulk of the plantings, except where some unusual conditions prevailed, were made between May 5 and May 20. Some of the Durango cotton was planted on ground that had failed to make satisfactory stands of Pima cotton, and the occasional stalks of Pima cotton in these fields will serve to further mix the seed produced. For the most part these fields were as well cared for and handled as the fields of Pima or other varieties, but there is nothing to indicate that they were handled better than fields of other varieties. Not more than half enough seed was planted per acre and a majority of the stands were poor, around 75 percent.

General Distribution:

The bulk of the Durango cotton plantings were in the districts southwest, west, and northwest of Phoenix. There were a few scattered plantings in widely separated portions of the valley.

Total Acreage:

As shown by the survey, the total area planted to Durango cotton in 1922 was 1177 acres.

Yield Per Acre:

The survey shows an acre yield of 3/4 bale.

Length of Staple:

The average length of staple was reported as 1-3/16 inches.

Percentage of Lint:

The ginning percent of Durango cotton was 30.9.

Under the terms of the contract by which most of the seed was supplied to farmers, each farmer is to be given twice as much seed for 1923 planting as was furnished to him in 1922 and the rest of the seed is kept by the gin to pay ginning charges. This arrangement means that most of the farmers who grew Durango cotton in 1922 have already laid aside their seed supply for 1923 and the gins have a large supply of similar seed on hand which can be used either for planting or for oil purposes.

Price Range:

The average price at which this cotton has been sold in the seed has been 7.74 cents per pound. It has ranged from 6 to 8½ cents. The average sale price of lint h as been 26 cents, and the range from 22 to 29 cents. Early in the season prices were lower than at the present time.

Growers' Opinion of Durango:

Most of the farmers who have grown this variety of cotton in 1922 have expressed themselves as well pleased with it. A few have stated that they may change to some other variety of upland cotton.

So far as we were able to learn while making this survey, there is no large amount of Durango seed in this State that is known to be pure and of good quality.

VARIETY - DURANGO

Grower name	Location S. T. R.	Date of planting	Lbs. of seed per acre	% Stand	No. Culti.	No. Irrig.	Date of 1st pick	Date last pick	Acre yield	% Lint	Length of staple	Sale price seed cotton	Sale price lint average	Sale price seed ton	Acre ge	Soil Type	Remarks
W.J.Lawrence	12 2N 2E	5-18	23	60	10	7	9-1		1/2 bale	30	1-1/8				40		
O.L.McDaniel	15 2N 2E	5-1	11	85	2	4	10-1		2/3 "	31		6.5	22		9		
F.A.Ashmore	2 2N 2E			85		4			3/4 "	32		8.25	27		10		
John Roer	36 3N 2E	4-28							1 " ?						20		
Ross Webster	34 3N 2E	5-10	25	85			10-5		2/3 "						3		Not ginned
S.W.Jackson	31 3N 2E	4-15	15	85		5	9-20		1 plus			7.5			4		Sold in seed
W.L.Verney	23 3N 2L	5-25	10	50	5	4	10-15		½ bale	31		8.5	26		17		
H.F.Bartlett	25 3N 1E	4-15		90	8		10-15					8			15		Sold in seed
L.F.Williams	26 3N 1L	4-25	15	75	8				1 "	30			27		7		
H.F.Brooks	26 3N 1L	5-15	15	75			8-15		1 "	30	1-1/16		25		18		
Otis Cook	26 3N 1L	5-10		85			9-9			31	1-1/8				17		Association
W.Davis	25 3N 1L	5-14		85		6	10-15		3/4 "				26		20		
L.L.Hopper	7 3N 2L	5-8	23	75	6		10-1		1 "	32		7.5	25		35		"
R.Frugh	11 3N 1L	6-5	9	75		4	8-20		1200# S.		1-1/4				20		
H.C.Rurup	9 2S 6L	4-20	15	80	12	8	10-15		3/4 plus	29.5	1-5/16		28.25	for ginning	25		
Watson	34 1S 2W														15		Field abandoned
H. John	11 1S 3W	6-3	25	80	3	4	11-5	12-1	1000 S.est.		1-1/8	8			8		None ginned
R.E.Watson	34 1S 2W	4-8	16	85	4	3	10-1	12-1			1-1/8	8			22		" "
A.F.Cook	7 1S 2E	5-1	15	90	3	6	9-20	12-1	1 Bale	32	1-1/8	8.5	26		10		
Davoen	8 1S 2E										1-1/8	8			40		Very alkali
Joe Clayton	9 1S 2E	5-5	12	100	4	5	10-15	11-17	900# seed C.		1-1-1/8				4		
Hudgins	9 1S 2E	6-1		90	8	8	10-1	11-15	1/2 bale						8		None ginned
Wilson	4 1S 2E										1-1/8	7	25		2		Burned F.G
S.H.Wynn	28 1N 3E	4-30	8	100	8	10	10-1	12-1	1-1/4 bales	31	1				15		
Winn	33 1N 2E	5-15	30	25	4	4	11-1				1-1/8				15		None ginned
J.D.Steward	26 1N 3E	5-1	15	90	7	5	9-1	12-1	1 bale	32	1-1/8				6		Not sold
J.S.Milton	26 1N 3E	4-20	15	95	7	5	9-10	12-1	1-1/4 [illegible]	32		6	24		7		
A.M.Neil	26 1N 3E	5-1	22	80	5	9	8-15	12-1	2400# S.		1-3/16	8			5		
M.D.Riggins	20 1N 3E	5-1	20	100	18	6	10-1	12-1	2400 [illegible]	31		8½	28.50		10		
S.M.Key	20 1N 3E	5-10	20	80	2	3	9-15	12-15			1-3/6	7			4		
Joe Diaz	20 1N 3E	3-15	20	50	6	5	10-1	11-25		30		8			10		
J.M.Burgess	20 1N 3E	5-1	25	95	2	5	10-7	11-20	700# S.			8			10		None ginned

VARIETY - DURANGO Cont'd.

Grower's name	Location S. T. R.	Date of planting	Lbs. of seed per acre	% Stand	No. Culti.	No. Irrig.	Date of 1st pick	Date of last pick	Acre yield	% Lint	gth of aple	Sale price seed cotton	Sale price lint average	Sale price seed ton	Acreage	Soil Type	Remarks
W.B.Homen	20 1N 3E	6-28	25	100	7	2	10-15	11-20			-3/16				4		None ginned or sold
L.W.Neese	30 2N 3E	5-5	20	85	5	3	9-15	11-20		32		7			7		
J.W.Gibbs	30 2N 3E	5-16	20	100	12	3	9-15	12-1	1500# S.	30	-3/16		25		10		
V. J. Hall	10 1N 2E	4-25	10	60	4	6	9-25	11-25	3/4 bale	31	-3/16	7½	24.50		50		
D. E. Pottis	20 1N 2E	5-10	15	75	7		9-15	11-15	1/2 "	30	-3/16	7½	22		21		
C.C. Noll	22 1N 2E	5-7	10	95	3		10-25	12-1	1200#S.	31	-3/16	8	26.25		5		
W. Betts	11 1N 2E	5-1	15	80	4		10-10		1 bale		-3/16				7		
L. D. King	10 1N 2E	5-11	20	70	7	11	8-25	11-20	1300# S.	31	-3/16		26	$17.50	14		
C.E.Parker	15 2N 1E	5-30	12	50	7	3	10-1	12-30	1/2 bale	29		8			20		Sold in Seed
G. Brewer	35 3N 1E	5-25	27	90	13	7	9-24	12-30	1500# S.	31½	-1/8		29		35		
Prescott	10 2N 1E			90							-1/4				5		Owner away
J.B.Ingram	11 2N 1E	6-1	16	75	6	5	10-15	12-15	1/2 bale						17		Not ginned
Togue	6 2N 2E	4-12	20	75	8	6	9-10	12-1	2000# S.	30½	-1/16	7	28		8		
W.T.Smith	1 2N 1E	4-10	50?	70	10	7	9-10	12-1	1740# S.	30½	-1/16	7	28		3½		
C. V. Tuttle	2 2N 1E	5-4	20	90	6	9	9-15	12-15	1 bale	30½	-1/4		26.75	19.00	15		
J. C. Ferris	15 1N 2E	5-18	20	75	3	4	10-1		3/4 bale				28.50	23.00	15		
Flack	15 1N 2E	6-20	16	50	4		9-15	12-15	660# S.			8	25.75		12		
Lovin	22 1N 2E	5-20	14	100	3	4	9-25		1 bale				27.50	gin	3		
Nix	22 1N 2E	5-10	15	50	2	2	10-15		3/4 bale	31	-1/4		26.50		15		
Loe	22 1N 2E	6-18	15	100	3	2			1/2 "				25.25	"	2½		Not picked
J.M.Ferris	14 1N 2E	5-10	40	100	4	5	10-1		366# S.	32			26.25		3		
J.W.Nisbett	2 2N 2E	4-12	16	45	7	6	9-25	12-1				7-3/4			12		
W. Boyd	32 2N 1E	5-12	16	100	3	4	9-25	12-1	1/2 bale						10		Not ginned
H.L.Beecham	7 1N 1E	5-20		80	4	1	9-15	12-15	3/4 "			8			50		Not ginned
M.L.Springer	31 2N 1E	5-15	30	90	5	3	10-22								70		Not ginned
H.H.Kemball	27 2N 2E	4-15													5		Not tended - no good
A.R.Cartwright	33 2N 2E	5-15	25	90	5	2			2/3 est.			8			10		Not picked
W.F.Johnson	28 2N 2E	4-18	18	75	4	3	9-11	12-30	3/4 bale						12		Sold in seed
T. A. Mann	32 2N 2E	5-28	20	66	4	3	10-1	12-1	1/2 bale						4		Not ginned
L. A.Cartwright	5 1N 2E	5-13	25	75	3	3	10-10	12-1	1/2 bales						5		Not ginned
J. L. Nidiffer	8 1N 2E	5-15	10	100	5	4	10-20	12-1	1 bale		-1/4	8	23		5		

VARIETY - DURANGO

Grower's name	Location S. T. R.	Date of planting	Lbs. of seed per acre	% Stand	No. Culti.	No. Irrig.	Date 1st picking	Date last picking	Acre yield	% Lint	Length of staple	Sale price seed cotton	Sale price lint average	Sale price seed ton	Acreage	Soil Type	Remarks
M.E.Gehem	28 1N 1E	5-15	16	45	5	8	10-21	11-20	1/3 bale	30¼					21		
R.D.Ellison	28 1N 1E	6-15	16	45	4	6	9-25	12-15	180# S.			7			10		Sold in seed
J.C.Pryor	19 1N 2E	4-24	15	50	4	6	9-20	12-1	1400# S.	32			28.50	$23.00	12		
C.H. De Rouloche	27 1N 1E	5-8	16	70	5	9	9-25	12-1	1100# S.			7½			1		
J.R.Watkins	1 2N 1E	4-12	16	90			8-25	12-15	1 bale		-1/8		28	19.00	9		
J.N.Shahan	20 2N 1E	5-15	12	100	3	5	9-25	12-1	3/4 bale		-1/8	8½			31		
C.W.Whitney	36 3N 1E	4-12	14	80	6	4	8-25	12-10	1 bale	33-1/3	-1/8		26	19.00	10		
H.S.Phillips	1 2N 1E	4-20	16	76	7	6	9-15	12-10	3/4 bale	30-3/4	-1/8		27.50	16.00	40		
W.C. Davis	2 2N 1E	5-12	20	75	6	11	10-15	12-10	1 bale	32	-1/8		27	gin	12		
Summerland	2 2N 1E	5-15	16	80	5	4	9-15	12-15	1/2 bale		-1/16				16		
J.H.Thompson	1 1N 2E	5-15	16	90	3	7	9-1	12-10	1 bale			8½			4		
W.R.Little	24 2N 1E	5-15	15	75	3	3	11-1	12-15	3/4 bale		-1/8		29	gin	18		
Johnson	17 2N 2E	5-15	12	50	8	6	8-15	12-15	1/2 "	30			29		17		
Dyer	20 2N 2E	5-15	20	33⅓	5	7	9-21	12-10	1/3 "	30½					30		
Cochran	9 2N 1E														40		Been pastured
Average			17.44#		5	5			3/4 bale	30.95	verage	7.74¢	26¢		1177		

Mean planting date May 8.
Earliest date for planting March 15
Latest date for planting June 28
Principle date May 5 to May 20

MEBANE

Source of Seed:

The bulk of the Mebane cotton seed planted in the Salt River Valley in the spring of 1922 was imported by E. G. Attaway of Mesa, Arizona. His seed was purchased largely if not wholly from E. F. Sanguinetti of Yuma, Arizona.

General Conditions of Planting:

Much of this variety of cotton was planted very late, some of it on ground from which small grains had just been harvested, and some of it on ground that had failed to make a stand of Pima cotton. The earliest planting recorded was on May 1, the latest on July 15. The bulk of the plantings were between May 5 and 20. In general this cotton was reasonably well tended though some fields were badly neglected. Too little seed was used in planting, the average number of pounds being 19.4. The average percent of stand was not above 75.

Most of the Mebane cotton of the Salt River Valley in 1922 was planted in the districts about Mesa, Gilbert and Chandler. There were a number of fields between Phoenix and Buckeye and a few scattering fields in practically all parts of the valley.

Total Acreage:

The total acreage of Mebane cotton in the Salt River Valley in 1922 was shown by the survey to be 1404.

Yield Per Acre:

The same survey shows the yield to be about 6/10 bale per acre.

Length of Staple:

The length of staple was a little over one inch, probably 1-1/16, and the percent of lint ranged from 31 to 39, with an average of about 36.

Price Range:

The selling price of Mebane cotton lint started at 20 to 22 cents and has advanced until several sales are reported at 26½ cents per pound. Sales in the seed range from 6½ to 8½ cents per pound.

Growers' Opinion of Mebane:

Many of the farmers who planted Mebane cotton in 1922 plan to plant the same variety in 1923. Some say that they will plant Pima cotton early in the spring and Mebane cotton after small grains. Some look with favor on the Hartsville variety. Most of them estimate that their respective neighborhoods will plant 65 to 75 percent "short" cotton next year.

Inquiry indicated that a majority of the farmers who grew Mebane cotton in 1922 are saving at least part of their seed for 1923 planting. Comparatively few are saving additional seed, expecting to be able to dispose of it to other farmers. Most of the seed is being purchased by the gin.

The Mebane cotton seed now in the valley is considerably mixed and is not desirable for planting purposes. There is known to be a small amount of good and practically pure Mebane seed available in the Yuma Valley and it may be that a careful investigation would show a considerable quantity there.

VARIETY - MEBANE Cont'd.

Grower's name	Location S. T. R.	Date of planting	Lbs. of seed per acre	% Stand	No. Culti.	No. Irrig.	Date 1st picking	Date last picking	Acre yield	Percent lint	Length of staple	Sale price seed cotton	Sale price lint	Sale price seed ton	Acreage	Soil type	Remarks
R. Blake	11 1N 2E	6-1	12	90	7		10-1		2/5 bale	32		8¢	26¢		26		
F.A.Ware	18 1S 6E	5-15	10	70	5	6	9-15		1/2 "	36	1		23.50	$19.00	36		
J. E. Bowie	8 1S 6E	6-5		40			10-15		5/8 "			8¢	26.50		8		
P. P. Murphee	26 1S 5E	5-25		50	5	3	10-25		1/6 "			8¢			18		
H. McCleve	11 2S 5E	6-7	25	70	3		11-1		1/2 "		1				6		
N.L.Nowell	21 1S 6E		30	75			9-25		3/4 "				24	19.00	30		
P. Urben	12 1S 5E	5-20	30	80	6	8	10-5		3/4 "	37			20	15.00	12		
W. Morgan	12 1S 5E	5-1		75			11-1		3/4 "		1				15		
J. E. Peterson	11 1S 5E	5-1	35	65	1	5	10-1		1 "	34½			26.50	19.00	20		
W. R. Honos	15 1S 5E	7-1		50	2	2	11-4		1/2 "		1-1/16				8		None sold
E. G. Attaway	5 1S 6E	5-15	20	50	4	4	10-1		1/2 "	35¼	1-1/16		26.25	23.00	150		
J. Knioiwa	20 1N 5E	5-1) 6-1)	17	85	4	5	10-1		1 "			8¢			35		
A. A. Nichols	7 1S 6E	5-20	22	100	4	4			1 "	37			24	20.00	16		
I. Williams	7 1S 6E	5-15	20	75	4	6	10-1		3/4 "	36			20	18.00	20		
J. C. West	10 1S 6E	6-8		75					1/3 "		1				20		
W. K. Kennedy	16 1S 6E	5-15	30	100	7	7	10-1		9/10 "	37	1-1/8		24		18		
J.C.McFredrick	6 1S 6E	5-12	20	33	8	8	10-5		1/2 "	34	1-1/16				20		None sold
M.L.Pine	7 1S 6E	5-20	20	75	7	6	10-1		3/4 "	35	7/8		24.50	gin	30		
G.W.Harris	4 1S 6E	6-15	20	50	6	5	10-15		1/2 "		1	8¢			40		
W.R.Lacy	1 1S 5E	5-15	15	85	7	7			3/4 "	33			20	gin	30		
M.E.Barkley	1 1W 5E	5-20	23	50	6	5	10-10		2/3 "			8⅝¢			20		
S.F.Davis	8 1N 5E	5-15	30	75	5	4	9-15		3/4 "	36½		8⅝¢	24	19.00	40		
C. Bael	3 1S 5E	5-24	25	75	4	4	9-15		1/2 "		1	8¢			9		
C.E.Burton	28 1N 5E	5-13	27	90	5	4	10-8		1 "	35	1-1/16		23	19.00	9		
R.E.Beall	27 1N 5E	5-16	25	80	7	5	10-10		3/4 "	35½			25	21.00	10		
H.F.Armistead	21 1N 5E	5-22	18	60	4	6	10-1		9/16 "	35	1-1/16	8¢	24		16		
W. Davis	16 1N 5E	7-15		85	4	4			1/2 "		1				9½		
O.E.Rogers	20 1N 5E	6-20	18	75	5	2	11-9		1/2 "						9½		None sold
W.H.Pew	20 1N 5E	6-28	20	100	6	3			1/4 "						15		
Average			19.4		5.1	4.46			.596 bale		1" plus		23.956¢		1404		

Bulk of plantings between May 5 and May 20
Earliest recorded planting Mar 1
Latest " July 18

ACALA

Source of Seed:

There was but one field of Acala cotton in the Salt River Valley in 1922. The seed was secured from Indio, California.

General Conditions of Planting:

A portion of this cotton was planted about April 20, and the balance about May 20. Only 8 pounds of seed per acre were used. This was not sufficient, and not more than 60 percent of a stand was secured.

General Distribution:

This field of cotton was grown near the Buckeye road and approximately six or seven miles southwest of Phoenix.

Total Acreage:

There was a total of 50 acres.

Yield Per Acre:

The probable yield is small because of the condition under which it was grown. It is estimated at 600 pounds seed cotton per acre.

Length of Staple:

The length of staple was 1-1/8 inches; and the percent of lint was 33.

It appears that every pound of this seed grown in the Salt River Valley in 1922 will be used for planting purposes in 1923.

Price Range:

None of this cotton has been sold in the seed. The lint has brought 21 and 26 cents, depending largely on the time when it was sold.

Growers' Opinion of Acala:

In the opinion of the growers both in the Salt River and the Casa Grande valleys, this is a good and desirable cotton. The acreage is certain to be largely increased next year.

Considerable reasonably good Acala seed is available within the State. Nearly all of the cotton on the Post Project near Tucson, and 200 or more acres of the Casa Grande Valley are of this variety.

VARIETY - ACALA

Grower's name	Location S. T. R.	Date planted	No. acres planted	Lbs. seed planted per acre	% Stand	No. Culti.	No. Irrig.	Date 1st picking	Date last picking	Price picking per pound	Acre - yield seed cotton	Acre - yield Lint	% Lint	Length of staple	Sale price lint	Remarks
Watson	16 1N 2E	4-20 5-20	10 40	8	60	7	4	10-1	12-10	1	12.75	425	33	1-1/8	21¢ 26¢	Our estimate 600# seed cotton per acre.