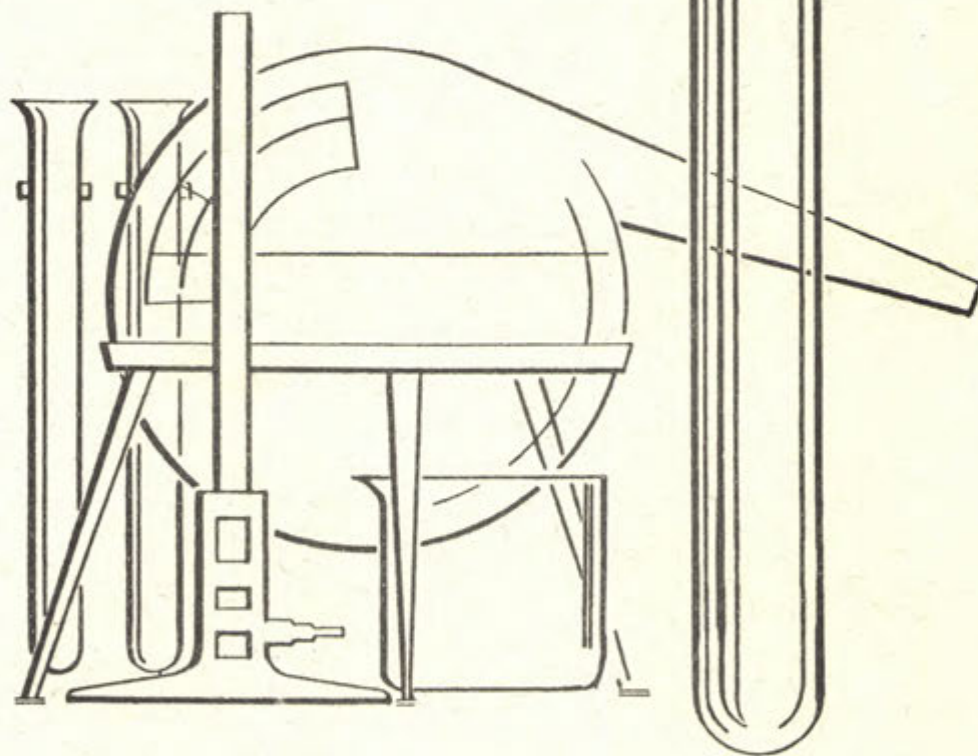


UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
COTTON DIVISION

# Cottonseed



*COTTONSEED QUALITY  
CROPS OF 1958 & 1959*

MEMPHIS, TENNESSEE  
OCTOBER 1960

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Cottonseed Quality - Crop of 1959

This publication contains statistical data on the quality of cottonseed graded from the 1959 crop. Averages of cottonseed quality factors and grades are shown by states, districts, months and specified frequencies. Data were compiled from official cottonseed grade certificates issued by licensed chemists under the supervision of the Department of Agriculture.

Official grade certificates covering 87,772 samples of cottonseed were issued during the 1959-60 season. These samples were drawn from cottonseed delivered to crushing mills located principally in the south central and southwestern areas of the Cotton Belt. Averages shown for the United States are not fully representative of the entire crop because of the relatively small volume of seed graded in most of the southeastern and far western states.

A summary of cottonseed quality factors is shown below in Table 1 for the fifteen-year period 1945-59. Average quality factors of cottonseed are shown for specified states in Table 3. These averages as well as all others in this report are arithmetic means of quality factors and indexes tabulated and averaged from individual grade certificates. This table contains average quality factors, averages of quantity and quality indexes, and average grades of cottonseed by states. Participation in the cottonseed grading program continued limited in parts of the belt during the 1959-60 season and there were very few official cottonseed grade certificates issued in a number of major-producing states.

Table 1. Cottonseed quality factors, indexes, and grades,  
1945-59

Year beginning August 1	Cottonseed quantity and quality factors						Quantity	Quality	Average grade	Number of samples
	Oil	Ammonia	Linters	Moisture	Free fatty acids	Foreign matter				
	Percent	Percent	Percent	Percent	Percent	Percent				
1945	18.6	3.62	-	12.2	2.6	1.1	101.02	93.0	93.5	125,624
1946	18.7	3.61	-	12.4	1.0	.8	101.29	98.0	99.5	111,237
1947	18.3	3.88	-	11.3	1.4	.8	101.38	96.9	98.0	129,207
1948	18.7	3.72	-	11.3	1.4	.9	102.12	96.5	98.5	155,679
1949	19.1	3.68	-	11.6	1.9	1.1	103.12	95.1	98.0	136,335
1950	18.7	3.64	-	12.8	1.9	1.1	101.02	95.0	96.0	87,663
1951	18.5	3.88	-	11.0	1.5	1.0	101.56	96.5	98.0	124,398
1952	18.6	4.04	-	9.5	1.0	.9	102.95	98.1	101.0	145,146
1953	18.7	4.00	-	9.0	.7	.8	103.46	99.0	102.5	166,916
1954	18.2	4.12	11.4	9.2	.7	1.0	102.07	99.2	101.5	128,983
1955	18.9	3.95	10.4	10.4	.7	.9	102.96	98.9	102.0	101,174
1956	18.9	4.12	10.2	9.1	.5	.8	103.51	99.5	103.0	79,071
1957	19.0	3.80	10.0	11.2	1.9	1.6	101.78	95.1	96.5	70,453
1958	19.3	3.83	10.5	10.4	1.2	1.1	104.04	97.6	101.5	72,076
1959	18.8	3.89	10.2	11.4	1.3	.9	102.10	97.1	100.0	87,772

Standards For Grades of Cottonseed Sold or Offered For Sale  
For Crushing Purposes Within The United States  
(As Amended Effective July 18, 1955)

Determination of Grade. The grade of cottonseed shall be determined from the analysis of samples, and it shall be the result, stated in the nearest whole or half numbers, obtained by multiplying a quantity index by a quality index and dividing the result by 100. The quantity index and the quality index shall be determined as hereinafter provided.

- (a) The basis grade of cottonseed shall be grade 100.
- (b) High grades of cottonseed shall be those grades above 100.
- (c) Low grades of cottonseed shall be those grades below 100.

Determination of quantity index. The quantity index of cottonseed shall be determined as follows:

- (a) For cottonseed that by analysis contain 16.5 percent or more of oil, the quantity index shall equal the result of 4 times (percentage of oil), plus 6 times (percentage of ammonia), plus the applicable linters premium and discount calculated on the basis of the formula shown below, plus 5.
- (b) For cottonseed that by analysis contain less than 16.5 percent of oil, the quantity index shall equal the result of 6 times (percentage of oil), plus 6 times (percentage of ammonia), plus the applicable linters premium or discounts, minus 28.
- (c) Formulas for determining linters premiums and discounts (total linters content to the nearest 0.1 percent) are as follows:

Percent Linters on Cottonseed	Premium or Discount Factor
11.6 and over	Premium = (percent linters minus 11.5) x 1.0
11.5	None
11.4-10.0	Discount = (11.5 minus percent linters) x 1.0
9.9-5.0	Discount = (10.0 minus percent linters) x 2.0 + 1.5
4.9-0	Discount = (5.0 minus percent linters) x 2.5 + 11.5

Determination of quality index. The quality index of cottonseed shall be an index of purity and soundness, and shall be determined as follows:

- (a) Prime quality cottonseed. Cottonseed that by analysis contains not more than 1.0 percent of foreign matter, not more than 12.0 percent of moisture, and not more than 1.8 percent free fatty acids in the oil in the seed, shall be known as prime quality cottonseed and shall have a quality index of 100.
- (b) Below prime quality cottonseed. The quality index of cottonseed that, by analysis, contain foreign matter, moisture, or free fatty acids in the oil in the seed, in excess of the percentage prescribed in (a) above shall be found by reducing the quality index of prime quality cottonseed as follows:
  - (1) Four-tenths of a unit for each 0.1 percent of free fatty acids in the oil in the seed in excess of 1.8 percent.
  - (2) One-tenth of a unit for each 0.1 percent of foreign matter in excess of 1.0 percent.
  - (3) One-tenth of a unit for each 0.1 percent of moisture in excess of 12.0 percent.
- (c) Off quality cottonseed. Cottonseed that has been treated by either mechanical or chemical process other than the usual cleaning, drying, and ginning (except sterilization required by the United States Department of Agriculture for quarantine purposes) or that are fermented or hot, or that upon analysis are found to contain 12.5 percent or more of free fatty acids in the oil in the seed, or more than 10.0 percent of foreign matter, or more than 20.0 percent of moisture, or more than 25.0 percent of moisture and foreign matter combined, shall be designated as "off quality cottonseed".
- (d) Below grade cottonseed. Cottonseed the grade of which when calculated according to the foregoing is below grade 40.0 shall be designated as "below grade cottonseed" and a numerical grade shall not be indicated.

Table 2. Examples of the computation of cottonseed quality and quantity indexes and grades, by qualities, in accordance with the Official Standards of the United States, 1959 1/

Ex-ample 2/	Quality Factors										Quantity Factors						Grade	
	FPA 3/		FW 4/		H2O 5/		Total Reduc-tions 6/	Qual-ity index	Oil		NH3 8/		Linters		Sum of Pro-ducts	Adjust-ment Fac-tors		Quan-tity index
	Total	Re-duction	Total	Re-duction	Total	Re-duction			Total	Pro-duct 7/	Total	Pro-duct 7/	Total	Pro-duct 7/				
	Pct.	Units	Pct.	Units	Pct.	Units	Units	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.		Pct.
<u>PRIME QUALITY SEED</u>																		
1	0.5	0.0	0.3	0.0	10.0	0.0	0.0	100.0	19.0	76.0	3.60	21.60	12.0	+0.5	98.10	+5	103.10	103.0
2	1.8	0.0	1.0	0.0	12.0	0.0	0.0	100.0	17.8	71.2	4.10	24.60	10.0	-1.5	94.30	+5	99.30	99.5
3	1.2	0.0	0.8	0.0	9.6	0.0	0.0	100.0	16.2	97.2	3.97	23.82	9.5	-2.5	118.52	-28	90.52	90.5
<u>BELOW PRIME QUALITY SEED</u>																		
4	1.9	0.4	1.0	0.0	12.0	0.0	0.4	99.6	18.5	74.0	3.50	21.00	12.0	+0.5	95.50	+5	100.50	100.0
5	1.8	0.0	1.1	0.1	12.0	0.0	0.1	99.9	19.7	78.8	3.75	22.50	11.0	-0.5	100.80	+5	105.80	105.5
6	1.8	0.0	1.0	0.0	12.1	0.1	0.1	99.9	17.3	69.2	4.23	25.38	8.7	-4.1	90.48	+5	95.48	95.5
7	1.9	0.4	1.1	0.1	12.1	0.1	0.6	99.4	15.8	94.8	2.98	17.88	14.0	+2.5	115.18	-28	87.18	86.5
8	2.5	2.8	3.2	2.2	7.4	0.0	5.0	95.0	24.7	98.8	4.15	24.90	1.7	-19.8	103.90	+5	108.90	103.5
<u>OFF QUALITY SEED</u>																		
Treated (other than usual), Fermented, Hot																		
9	12.5	42.8	0.7	0.0	12.0	0.0	42.8	57.2	20.1	80.4	3.67	22.02	11.5	0.0	102.42	+5	107.42	61.5
10	1.8	0.0	10.1	9.1	12.0	0.0	9.1	90.9	16.9	67.6	4.13	24.78	8.9	-3.7	88.68	+5	93.68	85.0
11	1.8	0.0	1.0	0.0	20.1	8.1	8.1	91.9	18.8	75.2	3.80	22.80	13.2	+1.7	99.70	+5	104.70	96.0
12	1.8	0.0	15.8	14.8	11.1	0.0	14.8	85.2	19.3	77.2	4.08	24.48	12.1	+6	102.28	+5	107.28	91.5
13	4.6	11.2	11.5	10.5	9.2	0.0	21.7	78.3	16.4	98.4	4.32	25.92	10.6	-9	123.42	-28	95.42	74.5
<u>BELOW GRADE SEED</u>																		
14	10.5	34.8	20.8	19.8	15.6	3.6	58.2	41.8	17.0	68.0	3.41	20.46	11.5	0.0	88.46	+5	93.46	80*
15	17.5	62.8	0.5	0.0	14.1	2.1	64.9	35.1	19.5	78.0	3.94	23.64	13.9	+2.4	104.04	+5	109.04	80*

1/ Important key figures that determine the range of various qualities of cottonseed are underscored.

2/ Example "8", demonstration of application of grading system on American-Egyptian seed; all others relate primarily to upland cottonseed.

3/ Free fatty acids in the oil in the seed.

4/ Foreign matter in the seed.

5/ Moisture in the seed.

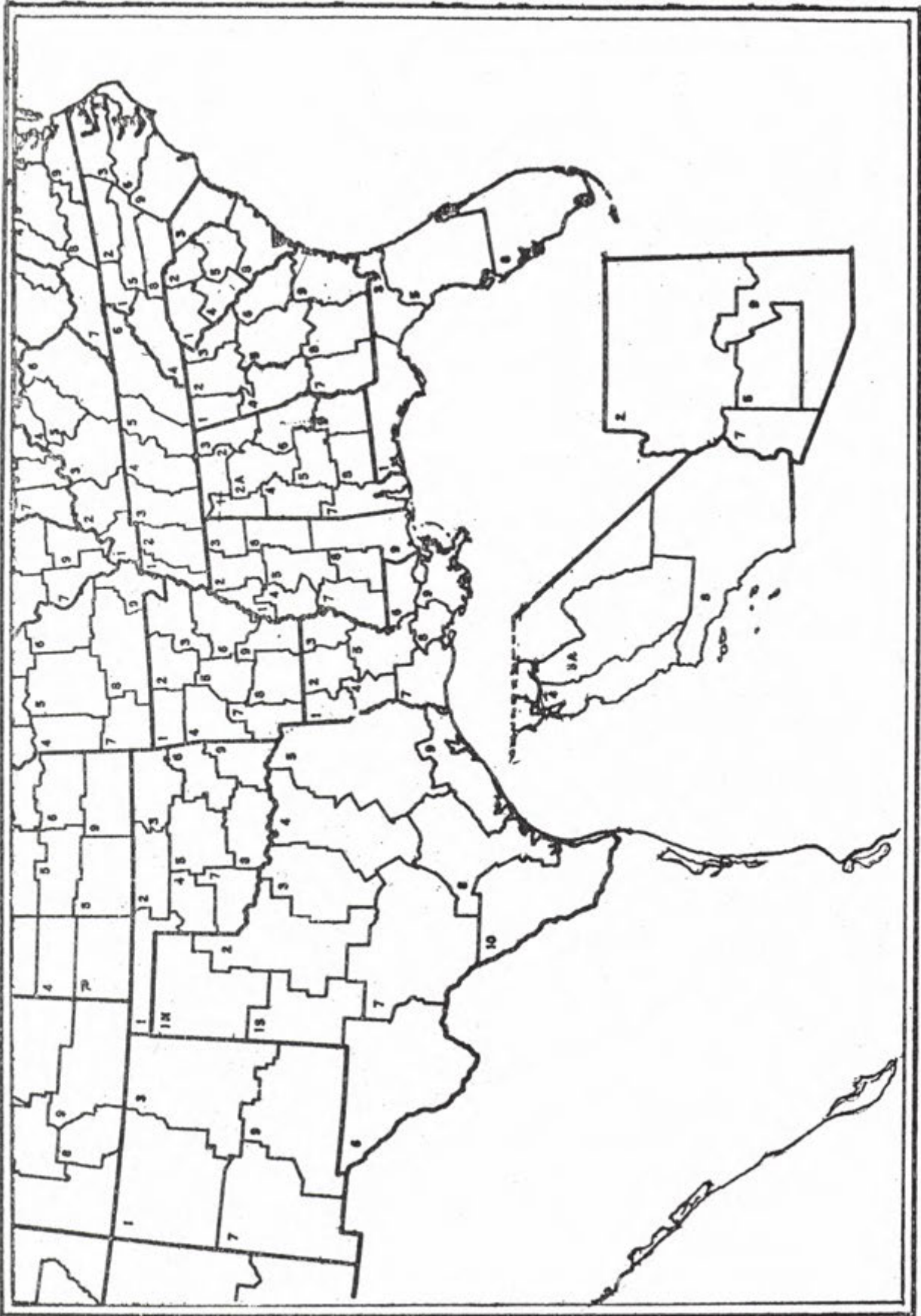
6/ Reductions are the adjustments made in the quality index for excesses of free fatty acids, foreign matter, and moisture above or below tolerances.

7/ "Products" are percentages of oil, ammonia and linters in the seed multiplied by the factor used in computing the quantity index.

8/ For linters, the "products" are positive or negative depending on relationship of linters content to the 11.5 percent base.

9/ Ammonia in the seed.

\* Below grade 40. No numerical grade is indicated.



Crop-reporting districts of the U. S. Department of Agriculture for cotton-producing states

Table 3. Cottonseed: Quality factors, indexes, and grades, by States and United States, 1958 and 1959

State	Cottonseed analysis														Average index				Average grade	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1958	1959		
	1958	1959	Pct.	Pct.	1958	1959	Pct.	Pct.	1958	1959	Pct.	Pct.	1958	1959	1958	1959				
Ala.	19.3	18.7	3.60	3.79	10.3	10.5	12.9	12.8	1.1	2.1	0.7	0.7	102.58	101.61	97.7	93.3	100.5	97.0		
Ark.	19.1	19.1	3.63	3.87	10.2	9.8	12.5	12.2	.9	1.1	.9	.9	101.51	102.53	98.2	98.6	99.5	101.0		
Ky.	18.2	18.0	3.38	3.69	11.6	10.8	12.9	13.0	.7	.8	1.2	1.0	98.12	98.20	97.6	98.1	96.0	96.5		
La.	18.7	18.9	3.79	3.92	9.8	9.9	12.8	11.9	5.0	2.5	.9	.6	100.23	101.99	85.6	95.8	84.5	98.0		
Miss.	18.5	18.6	3.71	3.91	10.3	10.2	12.6	12.6	2.1	2.0	.7	.7	99.96	101.17	95.8	96.2	95.5	97.5		
Mo.	18.9	18.5	3.47	3.80	11.5	10.6	12.5	12.4	.7	.8	.8	.8	101.35	100.97	98.2	98.5	99.5	99.5		
N. Mex.	21.0	20.7	3.69	3.81	10.8	11.2	8.8	7.4	.5	.5	1.8	1.3	110.32	110.51	99.0	57.6	108.5	108.5		
Okla.	18.7	18.6	4.05	4.10	10.6	10.3	9.2	9.5	.6	.7	1.0	1.2	102.91	102.29	99.2	99.4	102.0	101.5		
Tenn.	19.0	19.4	3.61	3.69	10.2	10.2	13.2	12.6	.8	.9	.8	1.0	101.05	103.23	97.9	98.3	99.0	101.5		
Tex.	19.2	18.7	3.96	3.99	10.4	10.4	9.3	8.6	1.0	.9	1.2	1.3	104.19	102.25	98.2	98.0	102.5	100.5		
All Other	20.4	19.3	3.54	3.64	11.6	11.6	10.0	11.7	.7	2.0	1.0	.5	107.90	104.17	98.9	93.4	107.0	98.0		
Total	19.3	18.8	3.83	3.89	10.5	10.2	10.4	11.4	1.2	1.3	1.1	.9	104.04	102.10	97.6	97.1	101.5	100.0		

✓ Includes Georgia, Florida, North Carolina, South Carolina, Virginia, Illinois, Arizona, and California.

Table 4. Cottonseed: Quality factors, indexes and grades, by specified periods and States, 1958 and 1959

ALABAMA

Month	Cottonseed analysis												Average index			Average grade		Samples					
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1958		1959		No.		
	1958	1959	Pct.	Pct.	1958	1959	Pct.	Pct.	1958	1959	Pct.	Pct.	1958	1959	1958	1959	1958	1959	1958	1959	No.	No.	
Aug.	18.3	17.9	3.52	3.75	10.4	9.8	14.2	15.4	3.7	1.3	1.4	0.7	96.68	87.4	95.1	85.5	92.0	92.0	95.1	85.5	92.0	9	27
Sept.	19.2	18.1	3.49	3.66	11.0	10.6	13.4	14.7	1.7	1.0	.8	.5	101.75	98.54	97.0	97.0	95.5	97.0	97.0	95.5	97.0	312	1,256
Oct.	19.2	18.8	3.54	3.79	10.2	10.5	13.9	12.5	1.1	1.5	.7	.5	101.48	101.92	97.0	92.5	98.5	100.0	100.0	98.5	100.0	1,220	1,607
Nov.	19.7	19.2	3.68	3.87	10.5	10.4	11.5	11.7	.8	3.0	.6	.9	104.54	103.61	99.5	91.8	104.0	96.5	99.5	104.0	96.5	595	1,030
Dec.	19.4	19.0	3.71	3.90	10.3	10.4	11.9	11.7	1.0	3.9	.7	1.5	103.50	103.25	99.0	91.2	102.5	93.5	99.0	102.5	93.5	390	533
Jan.	19.4	19.0	3.62	3.89	10.2	10.5	12.9	12.2	1.0	3.7	.9	1.1	103.01	103.18	98.1	91.4	101.0	94.0	98.1	101.0	94.0	219	181
Feb.	19.2	18.9	3.63	3.92	10.3	10.6	12.3	11.7	1.3	3.1	.8	2.1	102.95	102.88	98.4	93.3	101.5	96.0	98.4	101.5	96.0	53	65
Mar.-July	19.2	19.1	3.81	3.87	10.5	10.6	10.7	11.1	2.9	3.9	1.8	1.3	105.48	103.56	93.8	90.8	97.0	93.5	93.8	97.0	93.5	26	102
Season	19.3	18.7	3.60	3.79	10.3	10.5	12.9	12.8	1.1	2.1	.7	.7	102.58	101.61	97.7	93.3	100.5	97.0	97.0	100.5	97.0	2,824	4,801

ARKANSAS

Aug.	19.1	17.6	3.78	3.80	10.0	9.5	11.0	15.2	6.5	1.2	2.7	0.6	102.35	95.51	80.3	95.6	80.0	91.5	80.0	91.5	32	58	
Sept.	18.1	18.7	3.40	3.86	10.4	9.8	17.1	12.8	1.7	.9	.8	.5	96.71	100.82	92.6	98.5	89.5	99.5	98.5	89.5	99.5	1,198	5,129
Oct.	19.5	19.3	3.61	3.86	9.9	9.7	12.8	12.2	1.0	1.0	.6	.6	102.72	103.12	98.6	99.3	101.5	102.5	101.5	102.5	5,992	7,987	
Nov.	19.4	19.4	3.70	3.93	10.4	9.8	10.9	11.5	.6	1.1	.6	.9	103.70	104.13	99.8	99.4	103.5	103.5	103.5	103.5	3,439	3,655	
Dec.	18.7	19.1	3.71	3.93	10.6	10.0	11.3	11.2	.6	1.4	1.4	1.7	103.75	103.33	98.3	98.6	100.0	102.0	98.6	100.0	102.0	2,001	2,731
Jan.	18.3	18.3	3.64	3.78	10.3	10.3	12.6	13.5	.9	2.4	1.9	2.5	98.35	99.51	97.7	93.9	96.5	93.5	96.5	96.5	93.5	961	544
Feb.	17.9	18.2	3.57	3.77	10.5	10.4	13.8	13.7	1.1	3.3	2.3	2.9	96.44	99.02	96.5	89.9	93.0	89.0	93.0	89.0	89.0	721	432
Mar.-July	18.5	18.6	3.71	3.80	10.5	10.4	11.8	11.9	2.2	3.3	2.0	2.4	99.86	100.49	95.4	91.2	95.5	91.5	95.4	95.5	91.5	534	245
Season	19.1	19.1	3.63	3.87	10.2	9.8	12.5	12.2	.9	1.1	.9	.9	101.51	102.53	98.2	98.6	99.5	101.0	98.2	99.5	101.0	14,878	20,781



Table 4. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1958 and 1959 (Continued)

KENTUCKY

Month	Cottonseed analysis														Average index			Average grade		Samples				
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1958	1959	1958	1959	1958	1959	No.	No.
	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959
Sept.	17.4	18.5	3.17	3.74	11.6	10.4	19.7	12.1	1.8	0.6	0.5	0.3	93.69	100.28	90.7	99.4	85.0	99.5	2	22				
Oct.	19.0	-	3.34	-	11.2	-	13.7	-	.5	-	.4	-	100.89	-	98.2	-	99.0	-	-	27	-			
Nov.	18.2	18.2	3.49	3.72	11.8	10.7	11.9	12.8	.4	.6	.4	.6	98.99	99.30	99.8	99.0	99.0	98.5	17	81				
Dec.	17.7	17.5	3.45	3.64	11.7	11.3	11.1	12.9	.7	.9	2.4	2.0	96.75	96.40	98.4	97.5	95.0	94.0	12	26				
Jan.	16.6	16.0	3.31	3.43	12.0	11.7	12.7	17.1	.6	1.7	3.3	2.6	90.98	88.90	96.7	92.7	88.0	82.5	6	6				
Feb.	16.5	16.9	3.22	3.43	11.7	11.6	16.1	16.6	1.0	1.9	2.9	2.2	90.14	92.68	94.1	93.6	85.0	87.0	3	4				
Mar.-July	17.7	17.0	3.38	3.66	11.8	11.8	12.6	12.4	3.9	3.8	3.3	4.1	96.23	94.71	86.3	86.4	83.0	82.5	3	3				
Season	18.2	18.0	3.38	3.69	11.6	10.8	12.9	13.0	.7	.8	1.2	1.0	98.12	98.20	97.6	98.1	96.0	96.5	69	142				

LOUISIANA

Aug.	18.0	-	3.58	-	9.4	-	16.4	-	3.2	-	0.8	-	95.48	-	89.3	-	85.5	-	174	-				
Sept.	18.2	-	3.69	-	9.7	-	15.0	-	3.8	-	.7	-	97.75	-	88.5	-	86.5	-	754	-				
Oct.	19.1	19.0	3.79	3.89	9.6	9.8	12.7	12.1	6.9	2.2	.8	0.5	101.49	102.26	78.8	96.8	78.0	99.0	1,783	1,838				
Nov.	18.6	18.6	3.85	3.97	10.3	10.0	11.4	11.7	4.2	2.7	.9	.7	101.11	101.65	89.8	95.4	89.5	97.0	807	648				
Dec.	18.2	18.4	3.87	4.04	10.3	9.9	11.4	10.6	2.9	3.9	1.1	1.2	99.56	101.15	94.2	91.3	93.0	92.5	452	228				
Jan.	18.4	17.8	3.89	3.87	10.2	10.3	11.1	12.8	2.5	9.4	1.5	1.5	100.54	97.64	95.1	67.8	95.5	64.5	141	6				
Feb.	18.2	18.0	3.84	4.00	10.2	10.3	11.6	11.6	3.0	3.9	1.4	2.6	98.89	99.55	93.8	89.3	92.5	89.5	35	34				
Mar.-July	18.4	18.9	3.95	4.12	10.3	9.9	10.8	9.5	4.5	4.6	1.1	.9	100.64	103.49	88.1	88.6	88.0	91.5	69	10				
Season	18.7	18.9	3.79	3.92	9.8	9.9	12.8	11.9	5.0	2.5	.9	.6	100.23	101.99	85.6	95.8	84.5	98.0	4,215	2,764				

Table 4. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1958 and 1959 (Continued)

MISSISSIPPI

Month	Cottonseed analysis												Average index			Samples				
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		Average grade		No.	
	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959
Aug.	18.5	17.8	3.85	3.74	9.9	10.1	12.4	15.2	9.9	1.6	0.6	100.27	96.93	75.0	94.8	61.0	92.0	21	303	
Sept.	18.8	18.3	3.53	3.83	10.6	10.2	14.6	13.8	1.9	1.4	.7	100.23	99.78	94.9	97.3	95.0	97.0	1,655	5,330	
Oct.	19.1	18.8	3.66	3.90	10.0	10.2	13.3	12.5	2.6	1.7	.6	101.40	101.97	94.2	97.6	95.5	99.5	5,871	7,226	
Nov.	18.4	18.6	3.79	3.96	10.6	10.2	11.3	12.2	1.7	2.4	.6	100.09	101.96	97.7	95.1	97.5	97.0	3,343	3,452	
Dec.	17.7	18.5	3.81	4.01	10.5	10.3	11.5	11.1	1.4	2.9	1.0	97.50	101.89	98.2	94.5	95.5	96.0	1,883	2,346	
Jan.	17.7	18.6	3.78	3.93	10.4	10.3	11.8	12.2	1.5	3.8	1.3	97.12	101.36	97.9	90.6	95.0	91.5	524	336	
Feb.	17.3	17.9	3.73	3.97	10.2	10.3	12.9	12.7	1.5	3.9	1.4	94.44	99.01	97.3	89.7	92.0	89.0	288	219	
Mar.-July	17.6	18.1	3.85	4.02	10.3	10.4	11.3	11.2	3.1	4.3	1.5	96.69	99.32	93.1	89.1	89.5	89.0	499	501	
Season	18.5	18.6	3.71	3.91	10.3	10.2	12.6	12.6	2.1	2.0	.7	99.96	101.17	95.8	96.2	95.5	97.5	14,084	19,713	

MISSOURI

Aug.	19.5	18.1	3.68	3.71	11.5	10.3	10.7	13.6	9.4	2.5	2.3	1.1	105.17	98.18	68.0	92.5	65.5	91.0	5	21
Sept.	17.9	18.5	3.31	3.87	11.4	10.4	17.6	12.4	1.8	.8	.7	.4	96.25	101.02	91.7	98.8	87.5	100.0	355	2,077
Oct.	19.5	18.8	3.46	3.81	11.3	10.5	12.5	12.2	.6	.6	.3	.4	103.62	101.75	98.9	99.3	102.5	101.5	1,831	2,243
Nov.	19.0	18.7	3.55	3.79	11.6	10.7	10.9	12.2	.4	.6	.4	.7	102.60	101.60	99.9	99.3	102.5	101.0	860	1,082
Dec.	18.4	18.3	3.51	3.72	11.8	11.1	11.4	12.1	.4	.8	1.4	1.6	99.92	100.17	99.1	98.6	99.0	99.0	564	742
Jan.	17.8	17.2	3.46	3.57	11.9	11.3	12.3	15.7	.7	1.5	2.0	2.4	97.40	94.75	97.8	94.2	95.5	89.5	244	157
Feb.	17.0	17.2	3.37	3.57	11.7	11.3	14.4	15.2	1.0	2.7	2.4	2.8	92.79	95.03	96.0	90.8	89.0	86.5	96	110
Mar.-July	17.7	18.2	3.47	3.69	11.8	11.4	12.2	12.4	1.9	4.2	2.8	3.0	96.90	99.62	95.4	87.4	92.0	87.0	189	179
Season	18.9	18.5	3.47	3.80	11.5	10.6	12.5	12.4	.7	.8	.8	.8	101.35	100.97	98.2	98.5	99.5	99.5	4,144	6,511

Table 4. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1958 and 1959 (Continued)

OKLAHOMA

Month	Cottonseed analysis												Average index				Samples					
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1958	1959	1958	1959	No.	No.
	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959
Aug.	19.4	-	3.85	-	11.5	-	8.5	-	4.2	-	2.0	-	105.70	-	89.6	-	95.0	-	2	-		
Sept.	17.6	18.3	3.96	4.12	11.0	10.5	10.8	9.5	.6	0.6	.6	0.7	97.84	101.49	99.5	99.8	98.0	101.5	242	334		
Oct.	18.7	18.4	4.10	4.08	10.5	10.1	9.2	10.2	.5	.6	.7	.8	103.23	101.52	99.8	99.7	103.0	101.5	951	1,005		
Nov.	19.3	18.7	4.10	4.13	10.5	10.2	8.3	9.3	.5	.7	1.0	1.1	105.58	103.02	99.7	99.6	105.5	102.5	599	961		
Dec.	18.8	18.8	3.99	4.10	10.5	10.6	9.1	8.3	.7	.8	1.4	1.8	102.86	103.64	99.2	99.0	102.0	102.5	308	511		
Jan.	18.5	18.2	3.93	4.03	10.3	10.2	9.4	10.4	.7	1.1	1.9	2.2	101.08	100.16	98.5	96.7	100.0	98.0	197	82		
Feb.	18.4	18.2	3.93	3.99	10.4	10.6	9.6	10.5	.8	1.3	1.9	2.5	100.93	100.44	98.7	97.5	99.5	98.0	98	48		
Mar.-July	18.0	18.2	4.06	3.98	10.7	11.0	9.2	10.4	1.3	1.7	2.0	3.0	100.36	100.64	82.7	95.8	87.0	96.5	49	55		
Season	18.7	18.6	4.05	4.10	10.6	10.3	9.2	9.5	.6	.7	1.0	1.2	102.91	102.29	99.2	99.4	102.0	101.5	2,446	2,996		

NEW MEXICO

Sept.	21.1	22.1	3.65	3.73	10.3	10.7	11.5	7.5	1.1	0.4	1.3	0.7	110.22	114.69	97.8	99.8	108.0	105.5	25	82		
Oct.	21.3	21.2	3.63	3.80	10.7	11.0	10.0	7.5	.5	.4	1.2	.8	111.37	112.04	99.4	44.9	110.5	112.0	257	411		
Nov.	21.4	20.3	3.69	3.85	10.7	11.6	8.6	7.2	.4	.4	1.6	1.2	111.93	109.40	99.3	48.1	111.0	109.0	516	285		
Dec.	20.2	19.8	3.75	3.87	11.0	11.5	8.1	6.8	.6	.6	2.2	2.7	107.90	107.42	98.7	78.5	106.5	105.5	289	124		
Jan.	19.4	19.1	3.72	3.68	11.3	11.8	8.3	10.2	.9	.9	3.7	4.4	104.59	103.83	97.2	96.1	83.5	67.5	42	20		
Feb.	18.9	19.8	3.70	3.67	11.2	11.9	7.8	8.7	1.2	1.1	4.7	4.9	102.58	106.83	95.9	96.1	98.5	102.5	17	12		
Mar.-July	19.3	19.3	3.77	3.81	10.9	11.1	8.0	8.7	1.3	1.2	4.9	4.3	104.18	104.57	95.7	96.1	81.5	94.5	5	15		
Season	21.0	20.7	3.69	3.81	10.8	11.2	8.8	7.4	.5	.5	1.8	1.3	110.32	110.51	99.0	57.6	108.5	108.5	1,151	949		

Table 4. Cottonseed: Quality factors, indexes and grades, by specified periods and States, 1958 and 1959 (Continued)

TENNESSEE

Month	Cottonseed analysis												Average index			Samples				
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1958	1959	1958	1959
	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	No.	No.
Aug.	19.5	17.9	3.68	3.45	10.1	9.7	11.1	16.8	0.9	1.7	1.6	0.9	103.40	95.08	98.3	93.5	101.5	89.0	17	5
Sept.	18.3	19.1	3.44	3.59	10.1	10.2	17.8	13.8	1.7	1.0	.6	.5	97.28	101.51	92.0	97.8	89.0	99.5	640	1,942
Oct.	19.3	19.6	3.59	3.68	10.0	10.1	13.6	12.6	.7	.7	.5	.6	102.12	103.79	98.2	99.2	100.5	103.0	3,140	3,329
Nov.	18.9	19.7	3.67	3.76	10.4	10.2	11.7	11.5	.5	.7	.6	1.0	101.63	104.93	99.7	99.4	101.5	104.5	1,572	1,649
Dec.	18.5	19.3	3.67	3.74	10.7	10.4	11.7	11.8	.6	1.0	1.4	1.9	100.15	103.63	99.1	98.6	99.5	102.0	922	1,552
Jan.	18.3	18.4	3.63	3.62	10.6	10.7	12.0	14.4	.8	1.7	2.0	2.7	98.78	99.57	97.8	94.7	97.0	94.5	261	286
Feb.	17.9	18.2	3.61	3.61	10.7	10.8	13.4	14.4	1.1	2.7	2.1	2.8	97.45	98.78	97.1	91.5	94.5	90.5	78	141
Mar.-July	18.3	18.9	3.65	3.71	10.7	10.8	12.0	12.0	2.5	4.2	2.9	3.7	99.42	102.10	92.4	86.4	92.5	87.5	106	165
Season	19.0	19.4	3.61	3.69	10.2	10.2	13.2	12.6	.6	.9	.8	1.0	101.05	103.23	97.9	98.3	99.0	101.5	6,736	9,069

TEXAS

Aug.	18.5	18.5	3.92	3.73	9.7	10.2	10.7	12.2	1.2	0.9	1.5	0.9	97.01	99.72	98.1	97.7	98.0	97.5	32	79
Sept.	18.4	18.4	3.96	3.95	10.6	10.4	11.5	9.4	.9	1.6	.8	1.0	101.09	100.87	98.2	96.3	100.0	97.5	877	3,825
Oct.	18.6	18.7	3.98	4.00	10.4	10.2	10.5	9.0	1.2	.8	.9	.9	102.71	102.15	97.8	98.9	100.5	101.0	6,330	6,031
Nov.	19.6	18.8	3.98	4.03	10.3	10.4	8.8	8.1	.8	.6	1.0	1.2	105.93	102.90	98.7	98.0	105.0	102.0	7,731	5,681
Dec.	19.3	18.9	3.93	4.01	10.5	10.5	8.4	7.3	.8	.7	1.6	1.9	104.59	103.41	98.5	98.6	103.0	102.0	5,173	3,453
Jan.	18.6	18.3	3.87	3.88	10.8	10.5	9.0	9.9	1.5	1.0	2.4	2.2	101.68	100.30	96.6	97.7	98.0	98.0	785	417
Feb.	18.8	18.5	3.89	3.86	10.6	10.5	8.7	10.0	1.2	1.6	2.3	2.3	102.24	100.56	97.4	96.8	99.5	97.5	345	183
Mar.-July	18.7	18.5	4.00	3.96	10.0	10.3	9.0	9.0	2.5	2.2	2.9	2.9	101.67	100.82	92.2	93.9	86.5	94.5	221	228
Season	19.2	18.7	3.96	3.99	10.4	10.4	9.3	8.6	1.0	.9	1.2	1.3	104.19	102.25	98.2	98.0	102.5	100.5	21,494	19,897

Table 5. Cottonseed: Quality factors, indexes, and grades, by crop-reporting districts and States, 1958 and 1959

ALABAMA

Dist. No.	Cottonseed analysis												Average index				Average grade		Samples				
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1958	1959	1958	1959	No.	No.	
	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	No.	No.	
1	19.3	18.4	3.51	3.78	10.2	10.5	13.4	13.2	1.2	2.0	0.7	0.6	102.03	99.90	97.6	94.3	99.5	95.5	361	614			
2	19.4	18.9	3.60	3.78	10.3	10.4	12.9	12.8	1.0	1.8	.7	.8	102.73	102.10	97.9	95.2	100.5	98.5	2,031	3,381			
3	19.3	18.8	3.66	3.81	10.6	10.7	12.4	12.5	.8	1.5	.5	.9	103.12	102.22	99.1	89.2	102.0	100.0	271	482			
4	18.8	17.7	3.58	3.96	10.9	11.1	12.7	12.7	2.7	6.8	.4	.6	101.14	98.42	93.6	76.8	94.5	75.5	136	253			
5	19.0	18.9	3.83	3.88	10.5	10.5	10.0	11.6	1.7	5.3	.6	.7	103.03	102.71	97.5	84.2	100.5	86.5	6	13			
6	18.7	18.0	3.64	3.99	11.0	10.6	13.1	13.2	1.6	2.8	.4	.7	100.97	99.82	97.3	85.4	98.0	93.5	17	44			
7	-	18.5	-	3.90	-	10.1	-	13.4	-	5.4	-	.3	-	100.53	-	83.5	-	83.5	-	13	-		
8	19.1	-	3.66	-	9.3	-	13.0	-	1.1	-	.8	-	100.46	-	99.0	-	99.5	-	1	-			
9	16.8	19.2	3.00	3.59	14.2	9.7	19.6	14.0	2.3	1.2	2.5	1.4	92.90	101.24	88.9	97.6	82.5	99.0	1	1			
State	19.3	18.7	3.60	3.79	10.3	10.5	12.9	12.8	1.1	2.1	.7	.7	102.58	101.61	97.7	93.3	100.5	97.0	2,824	4,801			

ARKANSAS

1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	18.4	19.7	3.63	3.70	10.2	9.7	13.0	12.5	0.9	0.7	1.6	0.6	98.69	103.65	97.4	99.2	96.0	103.0	71	256		
3	19.0	19.0	3.58	3.85	10.4	9.7	12.8	12.4	.8	.9	1.1	1.1	101.06	101.97	97.9	98.4	99.0	100.5	5,874	8,862		
4	19.0	19.8	3.73	3.85	10.0	9.2	11.5	11.4	.8	1.7	1.1	.6	101.63	104.09	98.9	97.8	100.5	101.5	106	138		
5	19.6	20.1	3.71	3.83	9.7	9.3	11.5	11.3	.9	1.5	.8	1.1	101.85	105.20	99.1	98.3	101.0	103.5	291	352		
6	19.0	18.9	3.65	3.89	10.2	9.9	12.6	12.2	1.0	1.3	.9	.8	101.16	102.20	98.2	98.5	99.5	100.5	5,914	7,466		
7	19.3	19.3	3.83	3.79	10.1	10.0	11.3	11.8	1.4	1.4	.7	.7	103.12	103.04	98.8	99.1	102.0	102.0	254	356		
8	19.3	19.4	3.73	3.78	10.8	10.2	11.3	11.7	1.3	1.4	.5	.6	103.94	103.77	99.3	99.1	103.0	103.0	174	294		
9	19.5	19.4	3.66	3.93	10.1	9.9	11.9	11.8	1.1	1.1	.8	.7	103.29	104.30	98.7	99.1	102.0	103.5	2,194	3,057		
State	19.1	19.1	3.63	3.87	10.2	9.8	12.5	12.2	.9	1.1	.9	.9	101.51	102.53	98.2	98.6	99.5	101.0	14,878	20,781		

Table 5. Cottonseed: Quality factors, indexes, and grades, by crop-reporting districts and States, 1958 and 1959 (Continued)

LOUISIANA

Dist. No.	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1958	1959	No.	No.
	1958	1959	Pct.	Pct.	1958	1959	Pct.	Pct.	1958	1959	Pct.	Pct.	1958	1959	Pct.	Pct.	1958	1959	1958	1959
1	18.7	19.0	4.01	4.04	9.9	10.0	11.5	11.0	3.4	1.4	0.7	0.4	102.10	103.48	92.9	99.4	95.0	103.0	758	563
2	18.5	18.9	3.79	3.94	9.9	9.9	12.9	11.4	4.1	2.0	1.1	.8	99.39	102.42	89.0	98.2	89.0	100.5	223	155
3	18.7	18.8	3.75	3.94	9.8	9.7	12.4	12.0	4.1	2.2	.9	.7	100.36	101.56	89.0	97.2	89.0	98.5	1,842	1,211
4	18.4	-	3.91	-	10.1	-	12.4	-	6.2	-	1.0	-	100.54	-	81.0	-	81.5	-	276	-
5	18.6	18.8	3.69	3.82	9.7	10.1	14.3	12.5	7.6	3.7	.9	.8	98.92	101.63	75.1	91.2	69.5	92.5	926	785
6	18.3	18.5	3.58	3.63	10.4	11.0	14.6	13.5	6.3	4.8	.8	.6	98.55	100.08	79.1	86.4	77.0	86.5	90	23
7	18.4	18.2	3.59	3.71	9.7	10.3	14.9	13.6	8.0	3.1	1.1	.9	97.70	99.00	75.7	93.3	66.0	92.5	57	14
8	18.4	18.6	3.69	3.77	9.7	10.5	14.4	12.4	7.9	4.9	.9	1.0	98.60	101.01	72.3	86.1	65.5	87.0	43	13

State	18.7	18.9	3.79	3.92	9.8	9.9	12.8	11.9	5.0	2.5	.9	.6	100.23	101.99	85.6	95.8	84.5	98.0	4,215	2,764
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MISSISSIPPI

1	18.1	18.2	3.74	4.01	10.4	10.1	12.3	12.4	1.3	1.3	.8	.8	98.54	100.31	98.2	98.2	97.0	98.5	3,553	5,390
2	19.2	19.1	3.58	3.76	10.1	10.0	13.0	12.6	1.3	1.4	.6	.8	101.71	102.41	97.7	98.3	99.5	100.5	2,208	2,820
3	19.5	18.8	3.51	3.74	10.0	10.2	13.6	13.0	1.2	1.2	.5	.7	102.52	101.35	97.7	98.2	100.5	99.5	934	1,231
4	18.1	18.5	3.81	4.01	10.4	10.2	12.3	12.4	2.1	2.1	.8	.7	98.58	101.43	96.4	96.6	95.0	98.0	4,217	5,756
5	18.8	18.8	3.72	3.80	10.4	10.2	12.7	13.1	3.2	3.1	.7	.7	100.99	101.72	92.4	92.6	93.0	94.0	1,291	1,969
6	19.0	18.3	3.63	3.83	10.3	10.4	12.7	13.1	2.5	2.5	.4	.4	101.35	100.18	94.9	94.2	96.5	94.5	636	906
7	18.8	18.6	3.77	3.83	9.8	10.2	13.1	13.0	5.6	3.8	.9	.8	100.78	101.05	83.1	89.9	83.0	91.0	518	635
8	19.2	18.6	3.64	3.73	10.5	10.6	12.6	13.3	4.4	3.6	1.3	.9	102.56	100.83	87.2	89.6	89.0	89.5	517	714
9	19.1	18.4	3.67	3.75	11.4	11.1	12.1	13.2	4.2	4.6	.6	.7	102.79	100.40	88.5	87.1	91.5	86.0	210	292

State	18.5	18.6	3.71	3.91	10.3	10.2	12.6	12.6	2.1	2.0	.7	.7	99.96	101.17	95.8	96.2	95.5	97.5	14,084	19,713
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NEW MEXICO

3	19.6	18.8	3.96	4.08	10.3	10.2	8.0	6.8	.6	.5	2.3	1.8	105.78	103.25	98.4	67.6	103.0	101.0	135	89
7	22.0	-	3.55	-	11.4	-	8.0	-	.4	-	2.8	-	114.21	-	96.2	-	112.0	-	106	-
9	21.1	20.9	3.67	3.79	10.8	11.3	9.1	7.5	.5	.4	1.6	1.3	110.54	111.27	99.2	56.5	109.0	109.0	910	860

State	21.0	20.7	3.69	3.81	10.8	11.2	8.8	7.4	.5	.5	1.8	1.3	110.32	110.51	99.0	57.6	108.5	108.5	1,151	949
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Table 5. Cottonseed: Quality factors, indexes, and grades, by crop-reporting districts and States, 1958 and 1959 (Continued)

OKLAHOMA

Dist. No.	Cottonseed analysis												Average Index				Average grade		Samples			
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1958	1959	1958	1959	No.	No.
	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959						
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	
3	19.0	18.6	3.90	4.03	10.0	9.5	10.8	10.4	1.0	1.0	1.5	1.0	102.57	100.88	98.4	99.6	93.5	100.5	23	36		
4	18.8	18.5	4.09	4.08	10.3	10.4	8.7	9.3	.5	.7	1.2	1.5	103.38	102.25	98.9	98.9	102.5	101.5	553	624		
5	18.7	18.2	4.07	4.14	10.3	9.7	10.0	10.1	.5	.9	1.0	1.3	102.93	101.05	99.0	99.0	102.0	100.0	163	216		
6	19.1	18.7	3.74	3.84	9.8	9.6	11.3	11.2	1.0	.9	1.3	1.2	101.90	100.20	98.6	99.3	100.0	99.5	142	227		
7	18.6	18.6	4.07	4.14	10.8	10.5	8.9	9.3	.5	.6	.9	1.1	102.87	102.96	99.3	99.6	102.5	102.5	1,388	1,656		
8	18.6	18.3	4.04	4.20	10.3	9.5	9.8	9.5	.6	.6	.7	.8	102.14	100.64	99.8	99.9	102.0	100.5	148	173		
9	19.5	19.1	3.79	3.70	10.5	10.3	10.0	10.8	1.1	1.7	1.2	.7	104.64	102.19	99.5	98.3	101.0	100.5	29	64		
State	18.7	18.6	4.05	4.10	10.6	10.3	9.2	9.5	.6	.7	1.0	1.2	102.91	102.29	99.2	99.4	102.0	101.5	2,446	2,996		

TENNESSEE

1	18.5	19.1	3.59	3.72	10.5	10.3	13.2	12.5	.8	.9	.7	.9	99.57	102.33	97.9	98.5	97.5	101.0	2,467	3,467
2	19.2	19.6	3.62	3.67	10.1	10.1	13.1	12.6	.8	1.0	.8	1.1	101.92	103.79	98.0	98.2	100.0	102.0	3,807	4,901
3	19.0	19.4	3.59	3.66	10.3	10.3	14.1	12.9	.9	1.1	.6	.8	101.20	103.33	97.0	98.3	98.5	101.5	205	292
4	19.1	19.6	3.60	3.61	10.4	10.7	12.9	12.5	1.1	1.4	.7	.9	101.83	104.00	97.8	98.0	99.5	102.0	189	315
5	19.6	19.6	3.55	3.60	10.7	10.9	12.6	12.4	.6	1.1	.4	.8	103.83	104.45	99.2	98.9	103.0	103.5	51	94
6	19.4	-	3.69	-	10.1	-	11.1	-	.6	-	1.7	-	102.92	-	98.9	-	101.5	-	17	-
State	19.0	19.4	3.61	3.69	10.2	10.2	13.2	12.6	.8	.9	.8	1.0	101.05	103.23	97.9	98.3	99.0	101.5	6,736	9,069

TEXAS

1	19.5	18.9	3.95	4.01	10.4	10.3	8.8	7.8	.6	.5	1.3	1.4	105.45	103.17	99.3	99.3	104.5	102.5	12,261	10,445
2	19.0	18.4	4.07	4.16	10.2	9.9	9.2	8.5	.6	.5	1.0	1.0	103.68	101.55	99.6	99.6	103.5	101.5	4,240	3,842
3	18.4	17.8	3.96	4.18	11.7	10.3	9.6	8.8	.8	.6	.9	.8	102.58	99.69	99.7	99.9	102.5	99.5	127	89
4	17.4	17.9	4.08	3.89	10.4	11.3	10.6	9.4	2.7	1.0	1.4	1.6	97.53	99.16	94.3	98.5	92.0	98.0	2,314	2,446
5	18.4	18.8	3.87	3.75	10.1	10.5	11.9	11.1	4.6	1.9	1.0	.9	100.03	101.59	87.7	97.1	87.5	98.5	703	845
6	21.1	21.4	3.60	3.84	11.4	11.2	9.9	8.2	.7	.5	1.2	1.0	110.80	113.39	98.8	89.6	109.5	113.0	1,291	592
7	18.3	18.0	4.06	4.15	10.7	10.4	10.2	8.6	.8	.6	1.0	.9	101.64	100.71	99.5	99.6	101.0	100.0	271	266
8	17.3	18.0	3.91	3.83	11.0	11.2	12.1	10.1	6.1	1.9	1.0	.8	96.46	99.82	82.1	97.1	78.5	97.0	177	306
9	17.0	18.1	3.94	3.77	10.0	9.7	13.2	12.2	5.4	6.1	.8	.9	92.55	98.35	84.6	82.1	75.0	80.5	97	969
10	17.1	18.1	3.83	3.98	11.4	11.2	12.5	9.2	4.2	.6	2.0	1.2	99.34	100.83	87.8	99.6	87.0	100.5	13	97
State	19.2	18.7	3.96	3.99	10.4	10.4	9.3	8.6	1.0	.9	1.2	1.3	104.19	102.25	98.2	98.0	102.5	100.5	21,494	19,897

Table 6. Percentage distribution of quantity and quality indexes by specified frequencies, by States and United States, 1958 and 1959

State	Quantity Index																						
	Under 65		65-69		70-74		75-79		80-84		85-89		90-94		95-99		100-104		105 and over		Total		
	1958	Pct.	1959	Pct.	1958	Pct.	1959	Pct.	1958	Pct.	1959	Pct.	1958	Pct.	1959	Pct.	1958	Pct.	1959	Pct.	1958	Pct.	1959
Ala.	0.1	0.1	-	*	-	*	-	*	-	*	0.1	0.1	2.7	3.6	19.4	24.7	48.3	55.6	29.4	15.8	100.0	100.0	
Ark.	.1	*	*	*	0.2	*	0.5	0.1	1.6	.4	7.2	3.2	22.7	16.3	42.6	55.1	25.1	24.8	100.0	100.0			
Ky.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
La.	.1	-	-	*	-	-	.2	-	.6	.1	8.0	.9	33.8	22.3	48.5	61.6	5.8	.7	100.0	100.0			
Miss.	.1	.1	*	*	0.1	*	.7	.1	2.3	.5	10.1	4.3	30.3	26.7	44.4	56.0	11.8	12.3	100.0	100.0			
Mo.	.1	*	*	*	.1	*	.2	.1	1.3	.6	7.7	4.8	24.3	27.8	43.7	56.1	22.5	10.5	100.0	100.0			
N. Mex.	-	-	-	-	-	-	-	-	.2	.1	.3	-	1.5	1.7	9.6	11.8	88.4	86.4	100.0	100.0			
Okla.	.1	.1	-	-	-	-	-	*	.1	.2	2.2	1.1	17.7	20.0	47.9	59.0	31.9	19.5	100.0	100.0			
Tenn.	*	*	-	-	-	-	*	.1	.6	.3	6.1	2.0	28.1	11.7	51.6	53.4	13.5	32.5	100.0	100.0			
Tex.	.1	.1	*	*	*	.1	0.1	.2	.1	.7	.3	3.2	3.6	12.3	23.3	34.2	48.5	49.2	24.0	100.0	100.0		
All other 1/	-	-	-	-	-	-	-	-	-	-	-	2.9	2.0	14.3	16.3	31.4	51.1	51.4	30.6	100.0	100.0		
Total	.1	.1	*	*	*	.1	.1	.3	.1	1.2	.4	6.1	3.4	21.7	21.3	41.5	53.5	29.0	21.2	100.0	100.0		

State	Quality Index																													
	Below grade		Below prime quality																Prime quality		Total									
	1958	1959	40.0-49.9				50.0-69.9				70.0-79.9				80.0-84.9				85.0-89.9				90.0-94.9				95.0-99.9			
			Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.			
Ala.	0.2	3.1	*	0.4	0.4	1.2	0.5	1.6	0.6	1.7	1.7	4.0	9.2	12.6	49.2	61.5	38.2	13.9	100.0	100.0										
Ark.	.1	*	*	*	.2	.1	.3	.4	.4	.5	1.3	1.1	9.4	4.4	44.1	53.1	44.2	40.4	100.0	100.0										
Ky.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
La.	4.0	.1	2.2	.1	7.7	.9	10.6	2.4	7.7	2.3	13.0	5.1	16.3	15.3	28.3	47.5	10.2	26.3	100.0	100.0										
Miss.	.2	.2	.2	1.5	1.1	2.7	1.9	2.9	1.9	5.8	3.4	11.4	10.7	43.4	59.7	31.9	20.9	100.0	100.0											
Mo.	.1	.1	.1	.3	.2	.4	.6	.3	.7	.8	1.2	11.2	4.0	39.2	53.1	47.6	40.1	100.0	100.0											
N. Mex.	-	46.5	-	-	.1	-	.1	-	.1	.3	.1	1.1	2.3	64.8	39.3	33.6	11.7	100.0	100.0											
Okla.	.4	*	-	.2	.1	.2	.2	.2	.2	.2	.2	.5	1.1	36.4	44.3	62.1	54.0	100.0	100.0											
Tenn.	.1	*	.1	.2	.1	.2	.6	.2	.5	1.1	1.2	11.1	5.7	57.1	63.2	29.9	28.7	100.0	100.0											
Tex.	.2	.5	.1	.1	.6	.6	1.2	1.3	1.0	1.3	2.0	1.6	3.2	2.2	43.9	44.5	47.8	47.5	100.0	100.0										
All other 1/	-	4.1	-	-	2.0	-	4.1	-	-	-	-	8.6	8.2	51.4	57.1	40.0	24.5	100.0	100.0											
Total	.4	.8	.2	.1	1.0	.5	1.6	1.1	-1.5	1.1	3.0	2.0	8.2	6.1	44.1	53.6	40.0	34.7	100.0	100.0										

\* Less than 0.05 percent.

1/ See footnote Page 5.



Table 7. Percentage distribution of grades by specified frequencies, by States and United States, 1958 and 1959

State	Grade														Total							
	Below grade		40.0-74.9		75.0-79.9		80.0-84.9		85.0-89.9		90.0-94.9		95.0-99.9		100.0		105.0		110.0 and over			
	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959		
Ala.	0.2	0.9	0.6	2.4	0.4	0.7	0.8	1.4	3.9	4.7	11.0	16.1	18.2	25.5	36.3	38.5	28.4	9.7	0.2	0.1	100.0	100.0
Ark.	.1	.1	.7	.4	.9	.5	2.3	1.0	5.4	2.6	9.7	5.6	20.4	17.5	36.0	49.0	21.8	22.1	2.7	1.2	100.0	100.0
Ky.	-	-	1.4	2.1	-	2.1	7.2	2.1	7.2	7.0	18.8	11.3	32.1	35.9	30.4	38.8	2.9	.7	-	-	100.0	100.0
La.	4.2	.1	14.6	1.9	6.4	1.3	8.3	2.6	12.9	4.2	15.9	13.3	19.4	29.2	15.9	35.9	2.3	11.4	.1	.1	100.0	100.0
Miss.	.2	.3	2.8	1.9	2.2	1.3	4.5	2.2	7.9	5.3	16.6	13.1	28.9	28.4	27.8	39.2	8.9	8.1	.2	.2	100.0	100.0
Mo.	.1	*	.8	.8	.7	.8	1.9	1.3	6.6	3.1	10.4	7.2	17.9	26.7	39.3	49.2	21.0	10.6	1.3	.3	100.0	100.0
N. Mex.	.9	1.6	.1	.1	.2	-	.1	-	.3	.2	.6	.6	2.1	3.6	12.2	11.3	30.6	24.7	52.9	57.9	100.0	100.0
Okla.	.4	-	.1	.3	*	.1	.2	.1	.5	.2	2.7	2.3	19.0	20.8	44.6	57.6	30.9	18.5	1.6	.1	100.0	100.0
Tenn.	.1	*	.4	.4	.4	.5	1.9	.9	5.6	2.5	9.3	5.7	27.4	14.0	43.2	46.9	11.5	28.8	.2	.3	100.0	100.0
Tex.	.3	.1	1.6	1.4	.9	1.0	1.5	1.3	2.3	1.9	4.1	4.9	9.8	22.4	32.4	44.5	39.1	18.2	8.0	4.3	100.0	100.0
All other 1/	-	2.0	-	2.0	-	-	-	4.1	-	2.0	8.6	8.2	11.4	22.4	28.6	45.0	5.7	4.1	45.7	10.2	100.0	100.0
Total	.4	.2	2.1	1.1	1.4	.8	2.6	1.4	5.2	3.2	9.4	7.9	18.9	22.2	33.0	44.5	23.0	16.7	4.0	2.0	100.0	100.0

\* Less than 0.05 percent.  
 1/ See footnote Page 5.

Table 8. Percentage distribution of oil by specified frequencies, by States and United States, 1958 and 1959

State	Oil														Total								
	Under 15.0		15.0-15.9		16.0-16.4		16.5-16.9		17.0-17.4		17.5-17.9		18.0-18.4		18.5-18.9		19.0-19.9		20.0-20.9		21.0 and over		
	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	
Ala.	0.1	0.1	* 0.1	0.1	0.2	0.3	1.7	0.6	6.1	2.8	10.5	8.5	15.1	16.3	22.2	50.6	37.2	20.4	6.7	0.3	0.1	100.0	
Ark.	.5	.2	1.1	.2	1.6	.5	2.8	1.3	4.2	2.9	6.6	5.3	10.8	10.8	14.5	19.2	32.7	42.3	19.4	15.7	5.8	1.6	100.0
Ky.	-	.7	2.9	5.6	4.3	3.5	5.8	7.0	8.7	9.2	17.4	13.4	14.5	19.7	17.4	26.1	27.6	14.8	1.4	-	-	100.0	
La.	.2	.1	.5	.1	.7	.3	2.0	.7	5.2	2.1	11.2	6.9	18.3	16.6	21.9	27.4	34.1	39.8	5.7	5.9	.2	.1	100.0
Miss.	.8	.3	2.3	.3	3.0	.8	4.6	2.3	6.8	5.9	9.4	13.0	14.0	20.8	17.9	23.5	31.8	28.2	9.1	4.7	.3	.2	100.0
Mo.	.3	.2	.6	.4	1.5	1.0	2.8	2.9	5.6	6.4	9.1	12.3	13.7	20.0	15.0	24.0	33.3	28.7	15.7	3.8	2.4	.3	100.0
N. Mex.	-	.1	.2	.1	.1	-	.2	.1	.4	.3	.8	.5	1.2	2.8	3.2	5.8	14.1	18.4	23.9	22.9	55.9	49.0	100.0
Okla.	.1	.1	.5	.2	1.4	.6	3.1	2.1	6.4	5.2	10.3	11.6	15.4	23.3	21.3	25.9	33.2	28.0	7.9	2.9	.4	.1	100.0
Tenn.	* 1	.2	.1	.4	.3	1.5	.6	3.9	1.4	8.0	3.3	13.8	6.7	18.7	11.6	39.3	51.7	13.7	23.6	.5	.6	100.0	
Tex.	.3	.2	1.1	.5	1.4	1.4	2.7	3.1	4.0	6.4	5.6	10.1	8.5	16.8	12.4	21.7	35.8	29.8	22.1	7.1	6.1	2.9	100.0
All other 1/	-	-	-	-	-	-	-	-	2.9	2.0	-	6.1	8.6	14.3	14.3	26.5	20.0	30.7	11.4	8.2	42.8	12.2	100.0
Total	.4	.2	1.1	.3	1.6	.8	2.8	2.0	4.6	4.7	7.3	9.0	11.5	15.4	15.5	20.8	34.6	35.1	16.4	10.0	4.2	1.7	100.0

\* Less than 0.05 percent.  
 1/ See footnote Page 5.

Table 9. Percentage distribution of ammonia by specified frequencies, by States and United States, 1958 and 1959

State	Ammonia																					
	Under 2.95		2.95-3.09		3.10-3.24		3.25-3.39		3.40-3.54		3.55-3.69		3.70-3.84		3.85-3.99		4.00-4.14		4.15 and over			
	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959		
Ala.	0.1	0.9	0.9	3.3	0.5	10.8	1.6	20.5	6.1	32.1	18.6	25.1	35.3	6.0	25.9	0.9	9.7	0.3	2.3	100.0	100.0	
Ark.	.1	0.1	.4	2.4	*	6.4	.4	18.1	2.7	35.9	10.6	27.5	26.7	7.6	34.8	1.4	20.4	.2	4.3	100.0	100.0	
Ky.	-	1.4	-	14.5	1.4	40.7	3.5	33.3	6.3	7.2	38.1	2.9	36.6	-	14.1	-	-	-	-	100.0	100.0	
La.	.1	.1	.1	.3	*	1.4	.1	7.3	1.8	22.1	9.4	31.8	21.7	20.9	32.2	11.1	24.2	4.9	10.6	100.0	100.0	
Miss.	.1	.1	.3	1.7	.2	4.7	.6	12.4	3.6	25.3	10.0	29.4	20.0	19.7	29.6	5.4	25.0	1.0	10.9	100.0	100.0	
Mo.	.2	.2	2.0	6.2	.1	18.6	.9	39.2	4.7	28.3	18.1	5.1	34.0	.4	28.6	*	11.5	*	1.9	100.0	100.0	
N. Mex.	.2	-	-	0.1	-	4.4	1.4	15.8	5.9	31.5	15.2	27.0	35.1	15.1	27.7	5.2	11.4	.8	3.2	100.0	100.0	
Okla.	.2	.1	*	*	-	.2	.2	.7	.8	2.7	2.4	7.8	7.8	21.5	16.3	33.2	27.3	33.7	45.1	100.0	100.0	
Tenn.	*	.1	.2	.1	2.0	.7	7.4	3.4	23.0	13.5	38.2	31.5	22.4	35.8	6.0	13.0	.7	1.7	.1	.2	100.0	100.0
Tex.	.1	.2	*	*	.2	.8	.2	2.1	1.2	5.4	4.7	15.2	14.2	30.5	28.6	29.1	28.0	16.6	22.9	100.0	100.0	
All other 1/	-	2.9	-	11.4	-	34.3	8.2	5.7	34.6	5.7	24.5	14.3	8.2	25.7	18.4	-	6.1	-	-	100.0	100.0	
Total	.1	.1	.3	1.6	.2	4.9	.8	12.7	4.0	22.2	12.1	22.0	23.6	17.6	28.1	12.0	20.2	6.6	10.9	100.0	100.0	

\* Less than 0.05 percent.

1/ See footnote Page 5.

Table 10. Percentage distribution of linters by specified frequencies, by States and United States, 1958 and 1959

State	Linters																				
	Under 7.0		7.0-8.9		9.0-9.9		10.0-10.9		11.0-11.9		12.0-12.9		13.0-13.9		14.0-15.9		16.0 and over				
	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959			
Ala.	0.1	*	1.8	.8	24.8	18.8	55.2	55.8	16.4	22.9	1.7	1.6	*	0.1	*	-	-	-	100.0	100.0	
Ark.	.1	0.1	5.7	13.5	31.0	43.5	43.9	34.2	15.3	7.6	3.5	1.0	0.4	.1	0.1	*	-	-	100.0	100.0	
Ky.	-	-	-	-	-	6.3	14.5	48.7	59.5	38.7	24.6	6.3	1.4	-	-	-	-	-	-	100.0	100.0
La.	.1	.1	15.5	8.9	40.4	47.1	32.7	35.5	9.4	7.9	1.7	.5	.2	*	*	*	*	*	-	100.0	100.0
Miss.	.2	.1	5.3	3.7	25.2	33.0	47.2	47.8	17.8	13.0	3.8	2.2	.5	.2	*	*	*	*	-	100.0	100.0
Mo.	*	.1	.1	2.3	2.9	18.8	24.4	44.4	41.3	24.5	25.5	8.7	5.4	1.1	.4	.1	-	-	-	100.0	100.0
N. Mex.	.1	.1	1.0	2.2	7.7	6.0	51.7	25.1	33.0	45.1	5.7	19.1	.7	2.1	.1	.3	-	-	-	100.0	100.0
Okla.	.4	.2	5.7	9.9	18.5	27.9	38.7	35.3	28.9	20.6	7.2	5.1	.6	.9	-	.1	-	-	-	100.0	100.0
Tenn.	*	.1	3.5	2.0	28.8	29.6	51.4	53.7	14.2	13.4	2.0	1.1	.1	.1	-	*	-	-	-	100.0	100.0
Tex.	.7	1.2	9.4	12.6	21.8	20.9	34.5	30.6	25.8	23.4	7.1	9.5	.7	1.6	*	.2	*	*	*	100.0	100.0
All other 1/	-	-	-	-	-	2.9	2.0	8.6	22.4	59.9	38.9	28.6	32.7	-	2.0	-	-	-	-	100.0	100.0
Total	.3	.3	6.5	8.0	24.8	30.5	40.9	40.3	20.8	16.0	5.8	4.2	.8	.6	.1	.1	*	*	*	100.0	100.0

\* Less than 0.05 percent.

1/ See footnote Page 5.

Table 11. Percentage distribution of moisture in cottonseed samples by specified frequencies, by States and United States, 1958

State	Moisture														Total
	Prime quality 0-12.0	Below prime quality 12.1-20.0	Off quality 20.1 and over	0.0 5.0	5.1 7.0	7.1 9.0	9.1 10.0	10.1 11.0	11.1 12.0	12.1 14.0	14.1 16.0	16.1 18.0	18.1 20.0	20.1 and over	
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	46.1	53.1	0.8	-	-	0.1	2.8	14.2	29.0	28.2	15.1	7.6	2.2	0.8	100.0
Ark.	56.3	41.9	1.8	*	-	.9	6.9	23.1	25.4	24.6	9.4	4.7	3.2	1.8	100.0
Ky.	40.5	58.1	1.4	-	-	-	4.3	13.0	23.2	40.7	8.7	5.8	2.9	1.4	100.0
La.	45.1	54.6	.3	*	-	.8	5.6	16.2	22.5	29.5	15.9	6.9	2.3	.3	100.0
Miss.	52.3	46.2	1.5	-	-	.1	4.9	20.1	27.2	27.2	12.0	4.8	2.2	1.5	100.0
Mo.	60.2	37.5	2.3	-	-	.3	7.3	25.8	26.8	21.4	6.9	4.8	4.4	2.3	100.0
N. Mex.	95.7	4.3	-	0.1	5.0	59.8	18.2	7.9	4.7	3.8	.4	.1	-	-	100.0
Okla.	95.1	4.8	*	.1	1.2	53.7	24.3	10.8	5.0	4.3	.5	*	*	*	100.0
Tenn.	40.8	56.0	3.2	-	-	.1	1.9	13.4	25.4	35.0	10.9	5.2	4.9	3.2	100.0
Tex.	91.6	8.4	*	.1	2.3	51.0	16.1	13.5	8.6	7.0	1.1	.2	.1	*	100.0
All other 1/	62.9	37.1	-	-	22.9	17.1	14.3	5.7	2.9	31.3	2.9	2.9	-	-	100.0
Total	65.7	33.1	1.2	*	.8	18.3	9.3	17.5	19.8	20.0	7.6	3.5	2.0	1.2	100.0

\* Less than 0.05 percent.

1/ See footnote Page 5.

Table 12. Percentage distribution of moisture in cottonseed samples by specified frequencies, by States and United States, 1959

State	Moisture														Total
	Prime quality 0-12.0	Below prime quality 12.1-20.0	Off quality 20.1 and over	0.0 5.0	5.1 7.0	7.1 9.0	9.1 10.0	10.1 11.0	11.1 12.0	12.1 14.0	14.1 16.0	16.1 18.0	18.1 20.0	20.1 and over	
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	38.0	61.9	0.1	*	*	*	2.5	12.5	23.0	41.0	13.4	6.6	0.9	0.1	100.0
Ark.	56.4	43.4	.2	*	-	0.3	6.1	22.0	28.0	30.5	8.8	3.1	1.0	.2	100.0
Ky.	38.7	59.9	1.4	-	-	-	1.4	13.4	23.9	38.8	14.1	5.6	1.4	1.4	100.0
La.	55.7	44.3	-	-	-	2.2	9.1	19.0	25.4	36.4	7.4	.5	-	-	100.0
Miss.	42.3	57.6	.1	-	*	.3	5.3	15.8	20.9	38.0	13.7	4.8	1.1	.1	100.0
Mo.	49.3	50.4	.3	-	-	.3	3.2	15.5	30.3	36.9	9.3	3.2	1.0	.3	100.0
N. Mex.	99.7	.2	.1	-	42.3	50.5	4.8	1.6	.5	.1	-	.1	-	.1	100.0
Okla.	93.9	6.1	*	0.1	.8	41.5	28.0	15.1	8.4	5.3	.5	.2	.1	*	100.0
Tenn.	45.6	53.9	.5	*	-	.2	3.8	14.6	27.0	37.7	10.5	4.2	1.5	.5	100.0
Tex.	95.3	4.6	.1	.1	18.5	48.8	15.5	7.8	4.6	3.5	.8	.2	.1	.1	100.0
All other 1/	48.9	51.1	-	-	10.2	2.0	2.0	16.3	18.4	30.7	20.4	-	-	-	100.0
Total	61.0	38.8	.2	*	4.7	13.3	8.2	15.0	19.8	27.0	8.1	2.9	.8	.2	100.0

\* Less than 0.05 percent.

1/ See footnote Page 5.

Table 13. Percentage distribution of free fatty acid in cottonseed samples, by specified frequencies, by States and United States, 1958

State	Free fatty acid														Total
	Prime quality 0-1.8	Below prime quality 1.9-12.4	Off quality 12.5 and over	0 -	0.5 -	1.0 -	1.5 -	1.9 -	3.0 -	5.0 -	7.0 -	9.0 -	11.0 -	12.5 and over	
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	90.0	9.6	0.4	9.8	55.2	19.4	5.6	5.1	2.6	1.3	0.3	0.2	0.1	0.4	100.0
Ark.	94.2	5.6	.2	17.9	51.8	17.9	6.6	3.4	1.4	.4	.2	.1	.1	.2	100.0
Ky.	95.8	4.2	-	46.6	43.5	4.3	1.4	1.4	1.4	-	-	1.4	-	-	100.0
La.	23.0	69.3	7.7	.3	5.2	9.5	8.0	18.7	24.3	11.1	8.4	4.8	2.0	7.7	100.0
Miss.	67.0	32.3	.7	1.6	25.9	25.7	13.8	15.3	10.1	3.7	1.8	1.0	.4	.7	100.0
Mo.	96.1	3.7	.2	47.5	39.7	6.9	2.0	1.9	.9	.3	.3	.2	.1	.2	100.0
N. Mex.	99.4	.6	-	71.1	23.2	3.7	1.4	.2	.2	-	-	.1	.1	-	100.0
Okla.	99.0	1.0	*	48.6	45.9	3.4	1.1	.4	.3	.2	.1	-	*	*	100.0
Tenn.	96.9	2.9	.2	21.6	60.7	11.9	2.7	1.5	.8	.2	.1	.2	.1	.2	100.0
Tex.	90.1	9.6	.3	42.8	40.3	5.0	2.0	2.7	3.6	1.7	.9	.5	.2	.3	100.0
All other 1/	97.1	2.9	-	42.8	37.1	8.6	8.6	-	2.9	-	-	-	-	-	100.0
Total	83.8	15.4	.8	24.8	40.0	13.2	5.8	6.1	5.0	2.1	1.2	.7	.3	.8	100.0

\* Less than 0.05 percent.

1/ See footnote Page 5.

Table 14. Percentage distribution of free fatty acid in cottonseed samples, by specified frequencies, by States and United States, 1959

State	Free fatty acid														Total
	Prime quality 0-1.8	Below prime quality 1.9-12.4	Off quality 12.5 and over	0 -	0.5 -	1.0 -	1.5 -	1.9 -	3.0 -	5.0 -	7.0 -	9.0 -	11.0 -	12.5 and over	
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	65.1	33.5	1.4	0.5	27.5	25.6	11.5	16.7	11.8	2.8	1.1	0.8	0.3	1.4	100.0
Ark.	91.8	8.2	*	4.3	45.0	31.3	11.2	5.3	2.2	.5	.1	.1	*	*	100.0
Ky.	95.8	4.2	-	15.5	68.4	7.0	4.9	3.5	-	-	-	.7	-	-	100.0
La.	41.3	58.3	.4	*	3.9	17.8	19.6	35.4	16.4	3.8	1.9	.6	.2	.4	100.0
Miss.	67.1	32.3	.6	.5	21.4	30.3	14.9	18.1	8.5	3.1	1.5	.8	.3	.6	100.0
Mo.	94.8	5.1	.1	20.4	63.7	8.4	2.3	2.1	1.8	.7	.4	.1	*	.1	100.0
N. Mex.	99.6	.4	-	78.6	18.1	2.4	.5	.1	.3	-	-	-	-	-	100.0
Okla.	97.6	2.3	.1	16.3	73.9	5.8	1.6	1.3	.8	.1	*	.1	-	.1	100.0
Tenn.	94.9	5.1	*	5.2	65.4	20.1	4.2	2.8	1.4	.6	.3	*	*	*	100.0
Tex.	91.4	8.4	.2	50.3	35.1	4.3	1.7	2.3	2.5	2.0	1.1	.4	.1	.2	100.0
All other 1/	77.5	18.4	4.1	16.3	42.9	12.2	6.1	4.1	8.2	2.0	4.1	-	-	4.1	100.0
Total	83.8	15.9	.3	16.0	39.4	20.1	8.3	8.4	4.5	1.7	.8	.4	.1	.3	100.0

\* Less than 0.05 percent.

1/ See footnote Page 5.

Table 15. Percentage distribution of foreign matter in cottonseed samples by specified frequencies, by States and United States, 1958

State	Foreign matter													Total
	Prime quality 0-1.0	Below prime quality 1.1-10.0	Off quality 10.1 and over	0 -	0.6 -	1.1 -	2.1 -	3.1 -	4.1 -	5.6 -	7.1 -	8.6 -	10.1 and over	
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	84.9	15.0	0.1	48.3	36.6	13.0	1.2	0.5	0.2	-	0.1	-	0.1	100.0
Ark.	78.6	21.3	.1	44.7	33.9	12.6	4.8	2.2	1.1	0.3	.2	0.1	.1	100.0
Ky.	72.6	27.4	-	63.9	8.7	8.7	4.3	4.3	7.2	2.9	-	-	-	100.0
La.	73.4	26.6	*	31.0	42.4	22.2	2.9	.9	.4	.1	*	.1	*	100.0
Miss.	79.5	20.4	.1	54.2	25.3	16.4	3.1	.5	.3	.1	*	*	.1	100.0
Mo.	79.2	20.7	.1	63.4	15.8	11.5	4.9	2.2	1.6	.3	.1	.1	.1	100.0
N. Mex.	36.3	63.5	.2	12.2	24.1	28.9	20.4	9.3	3.0	.9	.7	.3	.2	100.0
Okla.	65.9	34.1	-	30.8	35.1	25.7	5.0	1.9	1.1	.2	.1	.1	-	100.0
Tenn.	79.8	20.1	.1	56.2	23.6	13.4	4.4	1.5	.6	.1	.1	*	.1	100.0
Tex.	57.0	42.8	.2	22.3	34.7	29.8	8.6	2.7	1.2	.3	.1	.1	.2	100.0
All other 1/	74.2	25.8	-	42.8	31.4	14.3	5.7	-	2.9	-	2.9	-	-	100.0
Total	71.4	28.5	.1	40.5	30.9	19.8	5.5	1.9	.9	.2	.1	.1	.1	100.0

\* Less than 0.05 percent.

1/ See footnote Page 5.

Table 16. Percentage distribution of foreign matter in cottonseed samples by specified frequencies, by States and United States, 1959

State	Foreign matter													Total
	Prime quality 0-1.0	Below prime quality 1.1-10.0	Off quality 10.1 and over	0 -	0.6 -	1.1 -	2.1 -	3.1 -	4.1 -	5.6 -	7.1 -	8.6 -	10.1 and over	
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	81.3	18.6	0.1	51.0	30.3	13.3	3.3	1.4	0.5	0.1	*	*	0.1	100.0
Ark.	78.2	21.6	.2	42.1	36.1	14.6	4.0	1.6	.8	.3	0.2	0.1	.2	100.0
Ky.	68.3	31.7	-	45.8	22.5	17.6	9.9	2.1	2.1	-	-	-	-	100.0
La.	88.2	11.8	-	50.7	37.5	9.2	1.6	.5	.3	.1	.1	-	-	100.0
Miss.	91.6	18.3	.1	47.5	34.1	15.0	2.2	.7	.3	.1	*	*	.1	100.0
Mo.	80.6	19.4	-	57.0	23.6	11.7	4.5	1.8	1.0	.3	.1	*	-	100.0
N. Mex.	58.4	41.6	-	34.8	23.6	26.4	6.2	2.8	3.1	1.8	1.1	.2	-	100.0
Okla.	58.6	41.2	.2	21.5	37.1	31.3	6.3	1.9	1.2	.4	*	.1	.2	100.0
Tenn.	70.2	29.7	.1	43.4	26.8	18.0	6.8	2.5	1.6	.5	.2	.1	.1	100.0
Tex.	54.6	45.3	.1	21.3	33.3	30.7	9.5	3.3	1.3	.3	.1	.1	.1	100.0
All other 1/	87.7	12.3	-	73.4	14.3	8.2	4.1	-	-	-	-	-	-	100.0
Total	72.5	27.4	.1	39.8	32.7	18.9	5.2	1.9	.9	.3	.1	.1	.1	100.0

\* Less than 0.05 percent.

1/ See footnote Page 5.

Table 17. Number of cottonseed samples by specified groups, by qualities, and number reduced in grade for specified causes, by States and United States, 1958 and 1959

State	Quality						Reduced due to excess							
	Prime		Below prime and off quality		Below grade		Total samples graded		Moisture		Free fatty acid		Foreign matter	
	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959
Ala.	1,080	669	1,738	3,984	6	148	2,824	4,801	1,523	2,975	283	1,676	429	893
Ark.	6,571	8,393	8,295	12,382	12	6	14,878	20,781	6,498	9,055	860	1,705	3,175	4,522
Ky.	18	40	51	102	-	-	69	142	41	87	3	6	19	45
La.	430	728	3,615	2,033	170	3	4,215	2,764	2,314	1,224	3,247	1,620	1,121	325
Miss.	4,492	4,114	9,568	15,552	24	47	14,084	19,713	6,713	11,370	4,641	6,467	2,896	3,633
Mo.	1,976	2,651	2,165	3,954	3	6	4,144	6,611	1,652	3,355	158	340	864	1,282
N. Mex.	387	111	764	397	-	441	1,151	949	50	3	6	4	734	395
Okla.	1,520	1,618	917	1,377	9	1	2,446	2,996	122	186	27	74	833	1,244
Tenn.	2,013	2,600	4,717	6,468	6	1	6,736	9,069	3,986	4,933	204	467	1,363	2,706
Tex.	10,301	9,534	11,154	10,273	39	90	21,494	19,897	1,805	908	2,130	1,743	9,263	9,029
All other 1/	14	12	21	35	-	2	35	49	13	25	1	11	9	6
Total	29,802	30,470	43,005	56,557	269	745	72,076	87,772	24,717	34,121	11,560	14,113	20,706	24,080

1/ See footnote Page 5.

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