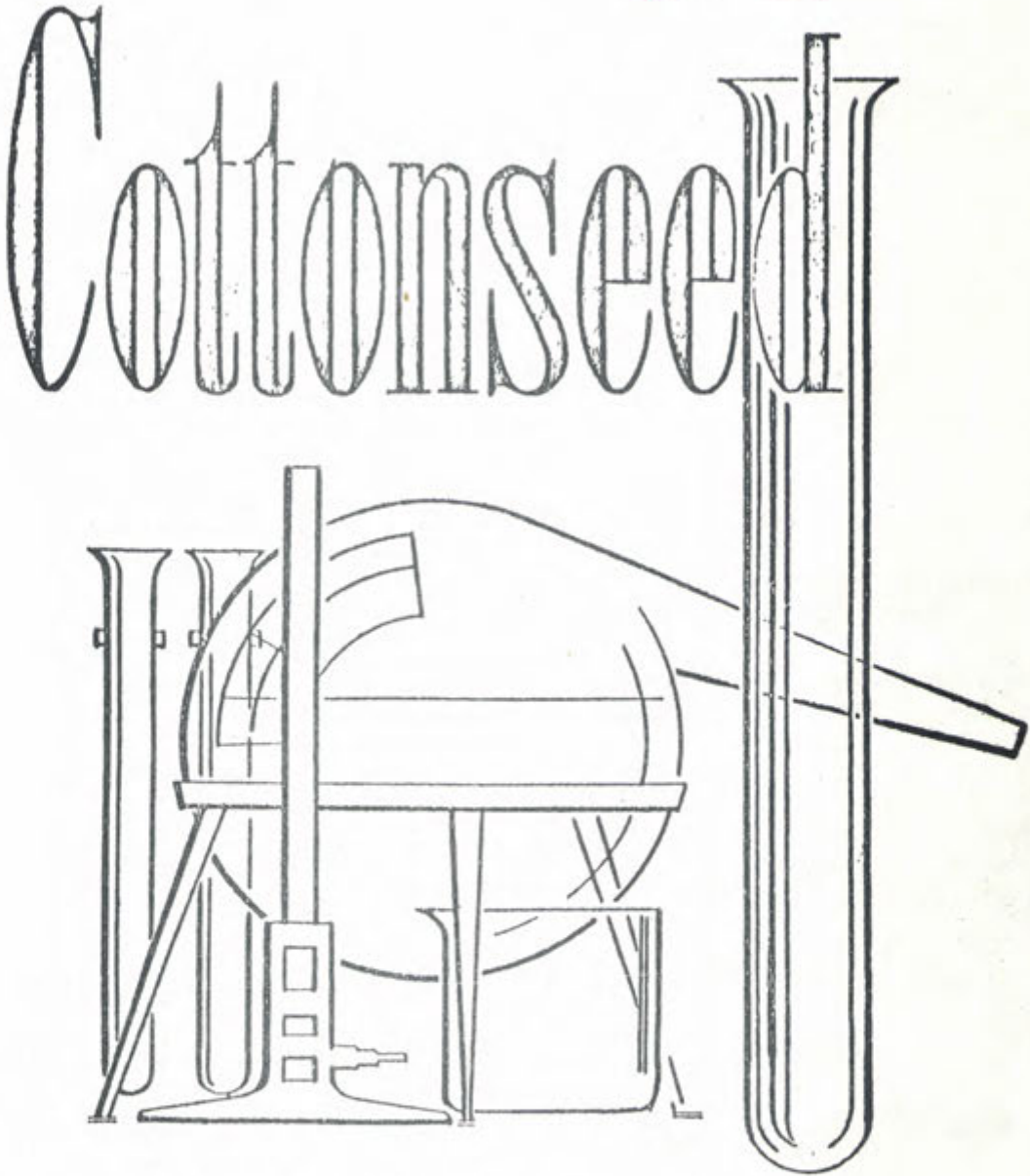


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UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Marketing Service
Cotton Division

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COTTONSEED QUALITY
CROPS OF 1955 & 1956

Memphis, Tennessee
December 1957

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COTTONSEED QUALITY IN THE UNITED STATES
CROP OF 1956

This publication contains statistical information on the quality of cottonseed graded from the 1956 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 79,071 samples of cottonseed were issued during the 1956-57 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 1956 crop because of the relatively small volume of seed graded in most of the southeastern and far western states.

Six basic factors presently are used in determining the grade of cottonseed in accordance with the United States Official Standards for Grades. These factors are (1) oil; (2) ammonia or protein (cake and meal), (3) linters content; (4) moisture content, (5) free fatty acids (indicator of oil deterioration), and (6) foreign matter (trash). Of these six factors the first three are combined to form an index for quantity and the last three an index of quality. Provision was made for the mandatory use of cotton linters in determining the official grade of cottonseed beginning with the 1955 crop.

A summary of cottonseed quality factors and grades is shown below in Table 1 for the period 1945-1956. These data indicate that cottonseed samples from the 1956 crop averaged higher in grade than for any other crop since quality information was first compiled in 1944. The oil content of seed in these samples averaged the same as that of a year earlier. The average ammonia content was up from a year ago and equaled the record high set in 1954. The average linters content was down from a year earlier. The percentage of each of the three quality factors for samples graded in 1956-57 averaged somewhat lower than for the preceding season.

Table 1. Cottonseed quality factors, indexes, and grades,
United States, 1945-1956

Year beginning August 1	Cottonseed quality factors						Quantity	Quality	Average grade	Number of samples
	Oil	Ammonia	Linters	Moisture	Free fatty acids	Foreign matter				
	Percent	Percent	Percent	Percent	Percent	Percent	Index	Index		Number
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

The average quality factors of cottonseed are shown by states in Table 3. These averages as well as all others in this report are arithmetical 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 to decrease. The number of official grade certificates issued in 1956-57 was the smallest since this series of annual reports was started. Quality data for those states in which a very limited number of grade certificates were issued, were combined and are included in the "All Other" category of the statistical tables.

Quantity Index

The average quantity index for cottonseed graded in 1956-57 was 103.51. This is a record high exceeding the previous high of 103.46 set in the 1953-54 season. A percentage distribution of quantity indexes by specified frequencies and by states is shown in Table 6, page 14. The quantity index is an index of the relative quantities of products contained in different lots of cottonseed, the difference in these quantities being due to differences in varieties of seed and to cultural and climatic conditions during the growth and maturity of the cotton plant.

Quality Index

The average quality index of cottonseed samples graded in 1956-57 was 99.5, a record high. This compares with 98.9 in the preceding season and the previous high of 99.2 set in 1954-55. A percentage distribution of quality indexes by specified frequencies and by states is shown in Table 6, page 14. The quality index measures the deterioration in oil and cake or meal and takes into account the excesses of moisture, free fatty acids, and foreign matter in the seed. The quality index is an index of purity and soundness.

Average Grade

The average grade of cottonseed samples graded in the 1956-57 season was 103.0, a record high. This compares with 102.0 in 1955-56 and the previous record high of 102.5 set in the 1953-54 season. A percentage distribution of grades by specified frequencies and by states is shown in Table 7, page 15. The grade of cottonseed is calculated by multiplying the quantity index by the quality index. The result is divided by 100 and is rounded to the nearest whole or half number.

Oil Content

The average percentage of oil in the samples graded in the 1956-57 season was 18.9 percent. This is the same as in the preceding season and compares with the record high of 19.1 percent set in the 1949-50 season. A distribution of percentages of oil, by specified frequencies and by states, appears in Table 8, page 15.

Ammonia Content

The average percentage of ammonia in samples graded in 1956-57 was 4.12, which equaled the record high set in 1954-55. The average for the 1955-56 season was 3.95 percent. A distribution of percentages of ammonia, by specified frequencies and by states, is shown in Table 9, page 16.

Linters Content

The average linters content for samples graded during the 1956-57 season was 10.2 percent. This compares with 10.4 percent in 1955-56 and 11.4 percent two years ago. A distribution of percentages of linters, by specified frequencies and by states, is shown in Table 10, page 16.

Moisture Content

The average moisture content in the samples graded in the 1956-57 season was 9.1 percent, the lowest in three years. The 1955-56 average was 10.4 percent. Prime quality seed can contain not more than 12.0 percent of moisture under the cottonseed grade standards. A percentage distribution of moisture, by specified frequencies and by states, is shown in Table 11, page 17.

Free Fatty Acids

The free fatty acid content of cottonseed samples graded in 1956-57 averaged 0.5 percent, the lowest on record. The 1955-56 average was 0.7 percent. Prime quality seed must contain not more than 1.8 percent of free fatty acids. A distribution of percentages of free fatty acids, by specified frequencies and by states, is shown in Table 14, page 18.

Foreign Matter

The average percentage of foreign matter in cottonseed samples graded in the 1956-57 season was 0.8 percent compared with 0.9 percent a year earlier. Prime quality seed must contain not more than 1.0 percent of foreign matter. A percentage distribution of foreign matter, by specified frequencies and by states, is shown in Table 16, page 19.

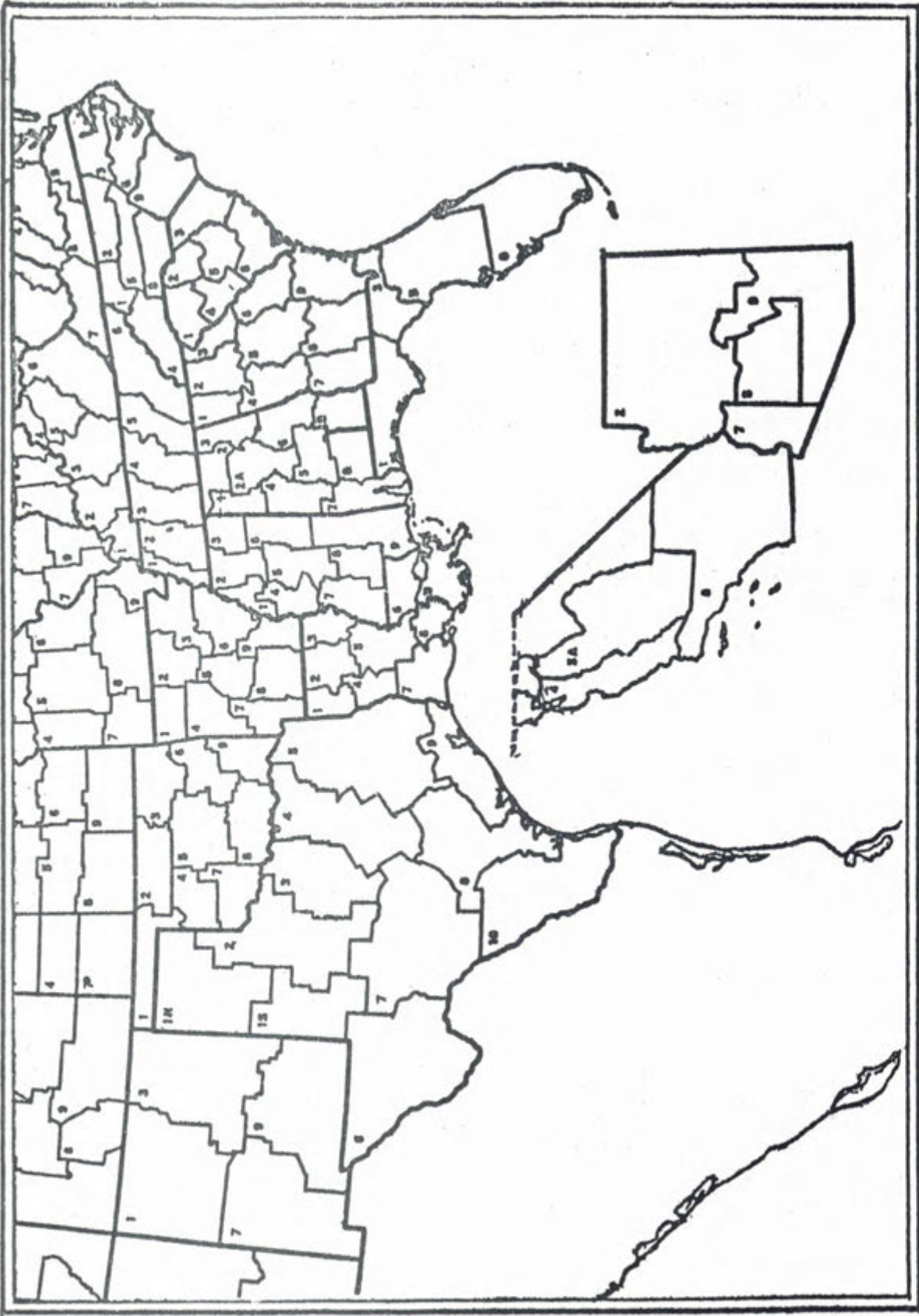
Number of Certificates by Qualities and Reductions

The total number of official cottonseed grade certificates issued in 1956-57 is stratified by specified quality groups and by states in Table 17, page 20. Included in this table is the number of samples reduced in grade due to excessive percentages of moisture, free fatty acids, and foreign matter.

Table 2. Cottonseed: Production, deliveries to oil mills, and official certificates issued, by states and United States, 1954 - 1956

State	Production of cottonseed			Deliveries to oil mills			Certificates issued		
	1954	1955	1956	1954	1955	1956	1954	1955	1956
	1,000	1,000	1,000	1,000	1,000	1,000	Number	Number	Number
	tons	tons	tons	tons	tons	tons			
Alabama	297	413	300	270	380	280	6,682	6,455	4,617
Arkansas	565	678	581	495	625	530	20,450	23,876	18,961
Louisiana	236	233	238	220	225	225	7,361	7,243	5,324
Mississippi	654	821	656	580	750	605	20,844	27,416	21,140
Missouri	197	174	189	180	160	175	6,410	6,259	5,348
Oklahoma	122	188	108	105	165	95	3,387	4,085	2,276
Tennessee	223	250	211	205	235	195	7,806	9,797	7,335
Texas	1,647	1,687	1,497	1,520	1,540	1,360	25,884	15,440	13,224
Other States ^{1/}	1,768	1,594	1,627	1,654	1,476	1,550	30,159	603	846
Total	5,709	6,038	5,407	5,229	5,556	5,015	128,983	101,174	79,071

^{1/} Includes Arizona, California, Florida, Georgia, Illinois, Kentucky, New Mexico, North Carolina, South Carolina, and Virginia.



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, 1955 and 1956

State	Cottonseed analysis																	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Average Index					
	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	Quantity	Quality	1955	1956	1955	1956
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.						
Ala.	19.0	19.1	3.92	4.04	10.9	10.2	10.0	10.1	0.6	0.7	0.6	0.6	103.82	103.91	99.6	99.5	103.5	103.5
Ark.	18.9	18.8	3.98	4.15	10.3	9.8	10.6	9.7	.5	.5	1.0	.9	103.12	102.86	99.4	99.4	102.5	102.5
Ill.	18.5	19.1	3.63	3.65	11.2	10.9	12.0	11.8	.6	.7	.9	1.0	100.59	102.79	99.0	98.5	99.5	101.0
Ky.	18.3	18.4	3.69	3.86	11.1	10.8	12.3	10.3	.4	.4	.9	.9	99.61	101.84	98.9	99.5	99.0	101.5
La.	18.9	18.4	3.92	4.17	9.8	9.6	11.5	9.6	2.2	.6	.6	.6	102.14	101.31	95.5	99.5	98.0	101.0
Miss.	18.8	18.4	4.00	4.20	10.3	10.0	10.8	9.6	.8	.6	.7	.6	102.88	101.96	99.2	99.7	102.0	101.5
Mo.	18.7	19.0	3.78	3.99	11.5	10.9	11.1	9.7	.5	.5	1.0	.9	102.37	104.30	99.1	99.4	101.5	103.5
N. Mex.	20.3	20.6	3.75	3.91	10.9	11.7	7.5	6.5	.6	.5	1.8	1.7	107.87	111.01	98.7	99.1	107.0	110.0
Okla.	18.1	17.9	4.21	4.29	10.7	11.0	9.5	7.7	.7	.4	1.0	.9	101.65	101.66	99.5	99.8	101.0	101.5
Tenn.	19.2	19.4	3.76	4.04	10.4	9.9	11.7	9.7	.4	.4	1.0	.7	103.22	104.65	99.0	99.7	102.0	104.5
Tex.	19.0	19.5	4.00	4.06	10.2	10.9	8.0	6.9	.8	.5	1.6	1.1	103.23	106.67	98.8	99.6	102.0	106.5
All Other 1/	18.2	18.3	3.82	4.13	12.4	11.0	11.5	10.3	5.3	1.4	.9	1.3	101.90	101.92	83.1	96.3	83.5	98.0
Total 1/	18.9	18.9	3.95	4.12	10.4	10.2	10.4	9.1	.7	.5	.9	.8	102.96	103.51	98.9	99.5	102.0	103.0

1/ Includes Arizona, California, Florida, North Carolina, South Carolina, Georgia and Virginia. A very limited number of official cottonseed grade certificates were received for these states during the 1956 season.

Table 4. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1955 and 1956

ALABAMA

Month	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	No.	No.
Aug.	17.8	17.0	3.67	3.83	11.2	12.0	15.2	12.3	1.3	0.9	0.7	0.8	97.85	95.92	96.1	98.9	94.5	95.0	125	81
Sept.	19.0	18.6	3.82	3.99	11.3	10.5	10.4	10.3	.7	.5	.4	.5	103.87	102.13	99.5	99.7	103.5	102.0	1,454	1,399
Oct.	19.0	19.6	3.93	4.10	10.8	10.0	9.9	9.4	.5	.5	.4	.5	103.91	105.92	99.9	99.9	104.0	106.0	2,716	1,682
Nov.	19.0	19.1	4.01	4.03	10.8	10.0	9.1	10.7	.5	.9	.6	.7	104.32	103.86	99.8	99.2	104.0	103.0	1,371	919
Dec.	18.8	19.0	3.92	4.03	10.9	10.1	10.5	10.4	.6	1.1	1.0	1.0	103.22	103.83	99.5	98.8	102.5	102.5	497	344
Jan.	18.9	18.7	3.94	4.09	10.8	10.4	10.3	10.5	.7	1.3	1.4	1.1	103.94	103.08	99.2	98.2	103.0	101.5	138	93
Feb.	19.0	18.9	3.93	4.07	11.2	10.1	10.6	10.7	.9	1.2	1.6	2.0	104.01	103.56	98.4	97.9	103.0	101.5	64	47
Mar.-July	18.9	18.6	3.98	4.03	11.0	10.1	9.5	10.2	1.3	1.5	1.6	2.0	104.20	102.28	98.0	97.8	102.0	100.0	90	52
Season	19.0	19.1	3.92	4.04	10.9	10.2	10.0	10.1	.6	.7	.6	.6	103.82	103.91	99.6	99.5	103.5	103.5	6,455	4,617

ARKANSAS

Aug.	18.1	17.6	4.09	4.10	10.4	9.9	11.5	11.1	2.3	1.0	2.0	0.9	100.46	97.81	93.2	98.5	93.5	96.5	48	211
Sept.	19.2	18.3	3.97	4.14	10.3	10.0	10.0	9.8	.4	.4	.5	.5	104.26	101.10	99.7	99.7	104.0	101.0	4,511	5,534
Oct.	18.9	19.3	3.94	4.21	10.2	9.6	11.3	8.6	.4	.3	.6	.6	102.55	104.99	99.5	99.9	102.0	105.0	8,616	7,042
Nov.	19.0	18.9	4.05	4.10	10.3	9.6	9.6	10.5	.4	.4	1.0	.9	104.07	102.68	99.8	99.7	104.0	102.5	6,332	2,825
Dec.	18.6	18.7	3.92	4.04	10.4	9.8	11.5	10.5	.5	.5	1.8	1.8	101.65	102.08	98.8	99.0	100.5	101.0	2,285	1,734
Jan.	18.5	18.6	3.93	4.04	10.5	9.7	10.8	11.3	.7	1.0	2.6	2.7	101.70	101.14	98.3	97.9	100.0	99.0	1,135	707
Feb.	18.2	18.6	3.90	4.07	10.4	9.6	11.7	11.4	1.0	1.5	3.2	2.6	100.06	101.48	97.2	96.4	97.5	98.0	282	366
Mar.-July	18.7	18.6	4.03	4.10	10.3	9.8	10.4	11.2	1.5	2.8	2.0	2.4	102.51	101.90	97.0	92.3	99.5	94.0	667	542
Season	18.9	18.8	3.98	4.15	10.3	9.8	10.6	9.7	.5	.5	1.0	.9	103.12	102.86	99.4	99.4	102.5	102.5	23,876	18,961

Table 4. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1955 and 1956 (Continued)

ILLINOIS

Month	Cottonseed analysis												Average index				Samples					
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1955	1956	1955	1956	No.	No.
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	1955	1956	1955	1956	1955	1956			
Sept.	19.2	19.0	3.97	3.68	9.8	10.4	11.1	13.0	0.4	0.8	0.3	0.3	103.42	102.01	99.8	98.2	103.5	100.5	2	6		
Oct.	18.9	19.8	3.65	3.69	10.5	10.3	13.2	11.2	.4	.3	.4	.5	101.47	105.16	98.6	99.6	100.0	105.0	9	20		
Nov.	18.8	19.1	3.68	3.63	11.2	11.1	11.5	11.3	.4	.3	.7	.9	101.95	102.86	99.9	99.7	102.0	102.0	16	10		
Dec.	18.0	18.4	3.58	3.59	11.5	11.8	12.8	11.6	.6	.4	1.2	1.6	98.45	100.48	98.8	99.1	97.5	99.5	9	6		
Jan.	17.8	17.9	3.48	3.63	12.1	11.4	11.7	13.5	.6	.5	1.8	1.7	97.50	98.37	98.8	97.8	96.5	96.0	5	8		
Feb.	-	19.1	-	3.43	-	11.5	-	13.5	-	.6	-	3.7	-	101.98	-	95.8	-	97.5	-	1		
Mar.-July	18.5	19.4	3.55	3.62	11.9	11.5	10.8	11.4	2.1	3.1	1.5	1.9	100.47	104.14	96.5	92.6	97.0	96.5	4	5		
Season	18.5	19.1	3.63	3.65	11.2	10.9	12.0	11.8	.6	.7	.9	1.0	100.59	102.79	99.0	98.5	99.5	101.0	45	56		

KENTUCKY

Sept.	19.0	18.5	3.64	3.86	10.5	10.9	12.6	11.1	0.4	0.4	0.3	0.4	101.72	101.29	99.4	99.3	101.0	100.5	15	29		
Oct.	18.4	19.2	3.70	3.96	11.1	10.6	12.2	9.2	.4	.3	.6	.5	100.55	104.46	99.1	100.0	99.5	104.5	85	54		
Nov.	18.1	17.1	3.85	3.64	10.8	10.8	11.4	10.9	.3	.3	.7	.8	94.87	100.03	99.9	99.8	100.0	100.0	6	16		
Dec.	17.6	17.5	3.67	3.78	11.1	11.3	13.1	11.2	.5	.4	1.5	2.7	96.95	97.57	98.3	98.5	95.5	96.0	19	13		
Jan.	17.4	17.4	3.66	3.71	11.6	11.3	12.2	12.6	.7	.7	3.1	3.6	96.72	96.63	97.2	96.7	94.0	93.5	10	2		
Feb.	17.2	17.2	3.51	3.82	12.4	10.6	13.1	12.1	.8	.6	4.4	2.9	95.76	95.71	95.5	97.3	91.5	93.0	1	5		
Mar.-July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Season	18.3	18.4	3.69	3.86	11.1	10.8	12.3	10.3	.4	.4	.9	.9	99.61	101.84	98.9	99.5	99.0	101.5	136	119		

LOUISIANA

Aug.	18.3	17.9	3.61	3.91	9.1	9.3	17.0	12.8	2.3	0.9	0.6	0.5	96.50	97.23	91.4	97.9	89.0	95.0	468	524		
Sept.	19.0	18.2	3.77	4.18	9.7	9.6	12.7	9.6	2.2	.5	.5	.5	101.50	100.36	94.3	99.5	96.0	100.0	2,326	2,019		
Oct.	19.0	18.7	3.98	4.25	9.9	9.6	10.8	8.3	2.1	.5	.6	.6	103.04	103.01	96.3	99.9	99.5	103.0	2,486	1,658		
Nov.	19.0	18.6	4.12	4.16	9.8	9.6	9.2	10.2	2.0	.6	.7	.7	103.57	102.10	97.2	99.7	101.0	102.0	1,340	642		
Dec.	18.7	18.9	4.07	4.13	9.9	9.7	10.2	10.0	2.1	1.0	.9	1.0	102.22	103.01	97.1	99.3	99.0	102.5	440	317		
Jan.	18.8	18.6	4.02	4.13	10.0	9.8	10.1	10.6	2.7	1.5	1.5	.9	102.45	101.93	94.4	98.4	97.0	100.5	97	77		
Feb.	18.3	18.6	4.01	4.15	10.3	9.8	11.5	10.6	2.8	1.9	1.3	1.0	100.92	102.06	93.4	97.2	93.5	99.0	32	16		
Mar.-July	18.0	18.9	4.17	4.19	9.6	9.4	9.7	10.2	2.9	1.1	1.0	.7	101.52	102.86	94.5	98.7	94.5	101.5	54	71		
Season	18.9	18.4	3.92	4.17	9.8	9.6	11.5	9.6	2.2	.6	.6	.6	102.14	101.31	95.5	99.5	98.0	101.0	7,243	5,324		

Table 4. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1955 and 1956 (Continued)
MISSISSIPPI

Month	Cottonseed analysis												Average Index			Average grade		Samples				
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1955	1956	1955	1956	No.	No.
	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956						
Aug.	18.5	17.9	3.87	4.13	9.3	9.8	14.3	10.8	1.3	0.7	0.6	0.5	99.24	99.08	96.8	99.2	96.0	98.5	639	959		
Sept.	18.9	18.1	3.96	4.19	10.4	10.2	11.1	9.7	.8	.5	.4	.5	103.07	101.10	99.0	99.8	102.0	101.0	7,927	8,401		
Oct.	18.8	18.8	3.98	4.24	10.3	9.9	11.1	8.9	.7	.5	.5	.6	102.71	103.59	99.3	99.9	102.0	103.5	9,542	7,295		
Nov.	18.9	18.5	4.11	4.15	10.2	9.8	9.4	10.7	.7	.7	.8	.8	103.85	101.62	99.6	99.5	103.5	101.0	5,655	2,713		
Dec.	18.6	18.4	4.01	4.16	10.2	9.8	11.2	10.5	.9	.8	1.2	1.1	101.97	101.48	99.1	99.3	101.0	101.0	2,082	1,064		
Jan.	18.6	18.3	4.04	4.18	10.1	9.8	10.7	10.7	1.1	1.1	1.7	1.1	102.01	101.23	98.7	98.8	100.5	100.0	804	220		
Feb.	18.3	18.3	4.03	4.21	10.1	9.7	11.5	10.6	1.5	1.4	1.8	1.0	100.78	101.16	97.1	97.8	98.0	99.0	198	107		
Mar.-July	18.6	18.3	4.17	4.28	10.1	9.7	9.9	9.8	1.5	1.3	1.1	1.1	102.81	101.20	97.7	98.0	100.5	99.5	569	381		
Season	18.8	18.4	4.00	4.20	10.3	10.0	10.8	9.6	.8	.6	.7	.6	102.88	101.96	99.2	99.7	102.0	101.5	27,416	21,140		

MISSOURI																						
Month	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1955	1956	1955	1956	No.	No.
	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956						
Aug.	18.1	17.6	4.04	3.89	11.9	11.2	11.2	11.5	4.0	2.1	1.6	1.5	101.99	98.35	87.7	94.4	92.0	92.5	12	64		
Sept.	19.4	18.5	3.83	4.03	11.2	10.9	9.8	10.0	.6	.4	.5	.4	105.23	102.81	99.2	99.6	104.5	102.5	1,188	1,803		
Oct.	18.7	19.7	3.76	4.05	11.3	10.7	11.6	8.5	.4	.3	.5	.5	102.21	107.11	99.5	100.0	102.0	107.0	2,433	2,097		
Nov.	18.6	18.9	3.82	3.89	11.5	10.9	10.4	10.3	.4	.4	.9	1.1	102.53	103.50	99.7	99.6	102.0	103.0	1,482	701		
Dec.	17.9	18.5	3.68	3.81	11.7	11.2	12.8	11.0	.5	.4	1.9	2.2	98.96	101.59	98.0	98.6	97.0	100.0	585	373		
Jan.	18.1	18.2	3.71	3.76	12.1	11.2	11.3	12.5	.7	.7	2.9	3.1	100.34	99.99	97.9	97.0	98.0	97.0	339	163		
Feb.	17.8	18.3	3.66	3.81	12.3	11.1	12.0	12.6	.8	1.2	3.5	4.2	98.87	100.44	97.3	95.2	96.5	95.5	67	65		
Mar.-July	18.1	18.3	3.77	3.82	12.1	11.1	11.0	11.9	2.0	2.2	3.2	4.0	100.31	100.82	94.4	93.1	95.0	94.0	153	82		
Season	18.7	19.0	3.78	3.99	11.5	10.9	11.1	9.7	.5	.5	1.0	.9	102.37	104.30	99.1	99.4	101.5	103.5	6,259	5,348		

Table 4. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1955 and 1956 (Continued)

OKLAHOMA

Month	Cottonseed analysis												Average index			Samples				
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Average index		Average grade		No.	No.		
	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956						
Aug.	17.3	16.7	4.25	4.31	11.2	9.9	10.1	9.1	0.6	0.6	1.0	0.4	99.17	95.86	99.8	100.0	99.0	96.0	2	2
Sept.	17.3	17.1	4.22	4.37	10.5	11.3	10.7	6.9	.5	.5	.7	.8	98.32	98.86	99.7	99.9	98.0	98.5	395	416
Oct.	17.6	18.1	4.19	4.37	10.6	10.9	10.9	6.9	.6	.4	.7	.7	99.39	102.64	99.5	99.9	99.0	102.5	1,361	771
Nov.	18.5	18.2	4.26	4.23	10.8	10.9	8.4	8.7	.6	.4	.9	.9	103.79	102.23	99.8	99.8	103.5	102.5	1,467	592
Dec.	18.6	18.3	4.16	4.24	11.1	10.9	8.4	7.9	.8	.4	1.4	1.3	103.87	103.22	99.3	99.5	103.5	102.5	577	298
Jan.	18.4	17.9	4.17	4.15	10.5	11.2	8.6	8.4	1.1	.6	2.2	1.5	102.22	101.52	98.4	99.4	99.5	100.5	199	133
Feb.	17.9	17.3	4.15	4.08	10.8	11.1	9.6	9.7	1.1	.9	2.2	2.3	99.30	95.97	98.1	98.5	99.0	96.5	68	41
Mar.-July	17.5	16.8	4.24	3.96	11.3	11.3	8.2	9.8	1.1	1.1	1.5	2.0	102.59	96.09	99.3	98.6	102.0	95.5	16	23
Season	18.1	17.9	4.21	4.29	10.7	11.0	9.5	7.7	.7	.4	1.0	.9	101.65	101.66	99.5	99.8	101.0	101.5	4,085	2,276

NEW MEXICO																				
Sept.	-	21.4	-	3.88	-	11.5	-	6.8	-	0.5	-	0.9	-	114.09	-	99.8	-	114.0	-	56
Oct.	-	21.3	-	3.90	-	11.5	-	6.6	-	.4	-	1.0	-	113.55	-	99.8	-	113.5	-	264
Nov.	-	20.3	-	3.95	-	11.5	-	6.4	-	.5	-	1.5	-	109.70	-	99.4	-	109.0	-	207
Dec.	-	19.5	-	3.92	-	12.3	-	6.3	-	.7	-	3.6	-	107.21	-	97.4	-	104.5	-	80
Jan.	-	18.7	-	3.81	-	12.7	-	7.2	-	.7	-	6.1	-	103.92	-	94.9	-	98.5	-	26
Feb.	-	18.6	-	3.84	-	12.8	-	7.7	-	.7	-	4.7	-	103.59	-	96.3	-	100.0	-	7
Mar.-July	-	18.2	-	3.94	-	11.9	-	7.5	-	.9	-	2.7	-	101.94	-	98.3	-	100.0	-	3
Season	-	20.6	-	3.91	-	11.7	-	6.5	-	.5	-	1.7	-	111.01	-	99.1	-	110.0	-	643

Table 4. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1955 and 1956 (Continued)

TENNESSEE

Month	Cottonseed analysis														Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1955	1956	1955	1956	No.	No.
	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956								
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.						
Aug.	17.4	17.7	4.02	3.87	11.3	10.3	11.4	12.2	2.6	1.7	5.5	1.1	98.32	97.63	91.9	95.5	90.5	93.0	2	47		
Sept.	19.7	18.9	3.78	4.01	10.3	10.1	10.6	9.9	.4	.4	.4	.4	105.16	103.08	99.8	99.7	105.0	103.0	1,191	2,484		
Oct.	19.1	19.9	3.69	4.11	10.3	9.6	13.0	8.8	.4	.4	.4	.5	102.23	106.89	98.6	100.0	101.0	107.0	3,519	2,825		
Nov.	19.4	19.4	3.85	4.00	10.4	9.8	10.5	10.3	.4	.4	.8	.8	104.54	104.26	99.8	99.8	104.5	104.0	3,034	1,253		
Dec.	18.8	18.9	3.72	3.93	10.5	10.2	12.5	10.7	.5	.4	2.1	1.8	101.67	102.55	98.2	99.0	100.0	101.5	1,285	543		
Jan.	18.9	18.7	3.76	3.89	10.7	10.2	11.2	11.7	.6	.7	2.8	2.7	102.39	101.48	98.0	97.9	100.5	99.5	602	105		
Feb.	18.8	18.7	3.74	3.90	10.8	9.9	12.0	11.9	.7	.9	3.8	2.6	100.56	101.15	96.7	97.5	98.5	98.5	79	34		
Mar.-July	19.1	19.1	3.81	4.01	10.1	10.2	11.2	10.4	1.6	1.9	3.7	1.8	101.89	104.10	95.3	96.0	97.0	100.0	85	44		
Season	19.2	19.4	3.76	4.04	10.4	9.9	11.7	9.7	.4	.4	1.0	.7	103.22	104.65	99.0	99.7	102.0	104.5	9,797	7,335		

TEXAS

Aug.	18.1	17.6	4.19	4.19	9.8	9.9	10.4	8.5	0.8	0.9	0.7	0.7	100.08	97.51	99.3	99.2	99.5	97.5	408	214
Sept.	17.7	19.4	4.16	4.09	11.2	11.1	9.0	6.9	1.0	.6	.8	.8	100.28	106.39	98.8	99.8	99.0	106.0	1,587	1,742
Oct.	19.0	19.8	4.09	4.07	9.8	11.0	9.8	6.6	.8	.5	.7	.8	103.30	108.23	98.9	99.9	102.0	108.0	3,270	4,491
Nov.	19.9	19.6	4.01	4.04	9.9	10.7	7.3	7.0	.6	.5	1.2	1.2	106.32	106.52	99.5	99.6	106.0	106.0	5,621	4,368
Dec.	18.7	19.4	3.84	4.05	10.4	10.8	7.0	6.7	.8	.6	2.7	1.7	101.27	105.84	97.9	99.1	99.5	105.0	3,466	1,630
Jan.	18.0	18.9	3.88	4.02	10.8	11.1	7.0	7.6	.9	.8	3.4	2.2	98.98	104.07	97.2	98.6	96.0	102.5	757	536
Feb.	17.6	18.1	3.85	3.98	10.8	11.1	8.1	8.3	1.2	.8	3.5	2.8	96.85	102.00	96.4	98.0	93.5	100.0	159	95
Mar.-July	18.3	18.7	3.88	3.98	10.1	10.4	7.1	8.8	1.6	1.6	4.1	2.4	99.93	101.82	100.2	96.1	95.0	98.0	172	148
Season	19.0	19.5	4.00	4.06	10.2	10.9	8.0	6.9	.8	.5	1.6	1.1	103.23	106.67	98.8	99.6	102.0	106.5	15,440	13,224

Table 5. Cottonseed: Quality factors, indexes, and grades, by crop-reporting districts and States, 1955 and 1956.

ALABAMA

Dist. No.	Cottonseed analysis												Average index				Average grade		Samples					
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1955	1956	1955	1956	1955	1956	No.	No.
	1955	1956	Pct.	Pct.	1955	1956	Pct.	Pct.	1955	1956	Pct.	Pct.	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	No.	No.
1	19.2	18.8	3.84	4.02	10.7	10.1	9.9	9.9	0.4	0.5	0.6	0.7	104.10	102.73	99.9	99.8	104.0	102.5	689	516				
2	19.2	19.4	3.96	4.04	10.6	9.9	9.7	100.5	.5	.6	.6	.7	104.62	104.98	99.8	99.7	104.5	104.5	3,844	3,018				
3	18.9	19.5	3.97	4.12	10.3	9.9	10.2	10.0	.5	.6	.5	.5	103.18	105.87	99.8	99.8	103.0	106.0	449	348				
4	18.5	17.5	3.85	4.06	12.0	11.3	9.6	10.0	.6	1.3	.5	.6	102.81	99.14	99.9	98.6	102.5	97.5	643	479				
5	18.3	17.4	3.87	4.11	12.3	11.7	10.5	10.6	1.2	1.4	.7	.8	102.33	99.50	99.3	98.6	101.5	98.0	332	73				
6	18.1	17.8	3.86	4.07	12.2	11.6	11.3	11.5	1.0	1.1	.5	.6	101.44	100.68	99.0	99.4	100.5	100.0	204	122				
7	18.4	17.8	3.69	3.82	12.2	12.5	11.9	11.1	1.9	1.8	.4	.4	101.56	100.10	96.6	96.7	98.0	96.5	49	37				
8	17.8	17.2	3.64	3.71	12.4	12.2	13.4	13.2	2.0	1.2	.8	1.3	99.03	96.86	96.7	97.1	96.0	94.0	171	15				
9	17.4	17.1	3.57	3.71	12.9	13.5	13.3	14.6	2.0	1.9	.9	1.4	98.51	96.44	96.4	94.1	94.0	91.0	74	9				
State	19.0	19.1	3.92	4.04	10.9	10.2	10.0	10.1	.6	.7	.6	.6	103.82	103.91	99.6	99.5	103.5	103.5	6,455	4,617				

ARKANSAS

1	19.0	-	3.90	-	10.9	-	9.0	-	0.4	-	1.2	-	103.90	-	99.8	-	103.5	-	8	-				
2	18.2	18.9	4.09	4.19	10.2	9.4	10.7	8.6	.5	0.3	.7	0.7	100.91	102.88	99.7	100.0	100.5	103.0	85	87				
3	18.9	18.9	3.92	4.11	10.4	9.8	10.7	9.8	.4	.5	1.1	1.0	102.85	103.15	99.3	99.3	102.0	102.5	9,268	7,260				
4	18.6	17.9	4.17	4.28	10.6	10.1	9.2	8.1	.5	.4	1.0	1.0	103.31	100.32	99.5	99.9	103.0	100.0	430	188				
5	18.4	18.5	4.15	4.19	10.1	9.4	10.1	9.2	.5	.5	1.3	1.0	101.77	101.44	99.2	99.6	101.0	101.0	518	458				
6	19.0	18.8	3.98	4.14	10.1	9.7	10.8	10.0	.5	.5	.9	.9	103.17	102.94	99.3	99.3	102.5	102.5	9,131	7,172				
7	19.0	18.2	4.03	4.31	10.4	10.1	9.6	7.5	.8	.4	.7	1.0	103.82	101.83	99.7	99.6	103.5	101.5	621	408				
8	19.0	18.2	3.93	4.23	11.4	10.6	9.4	7.9	.5	.4	.8	.9	104.22	102.12	99.7	99.8	104.0	102.0	530	389				
9	18.9	18.7	4.08	4.20	10.1	9.6	10.1	9.3	.5	.5	.9	.8	103.67	102.59	99.7	99.7	103.5	102.0	3,285	2,999				
State	18.9	18.8	3.98	4.15	10.3	9.8	10.6	9.7	.5	.5	1.0	.9	103.12	102.86	99.4	99.4	102.5	102.5	23,876	18,961				

Table 5. Cottonseed: Quality factors, indexes, and grades, by crop-reporting districts and States, 1955 and 1956 (continued)

LOUISIANA

Dist. No.	Cottonseed analysis										Average index				Average grade		Samples			
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1955		1956	
	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	No.	No.		
1	18.8	18.1	4.17	4.39	9.6	9.6	9.9	7.8	1.4	0.5	0.5	0.4	102.77	101.32	99.3	99.9	102.0	101.0	1,191	814
2	19.1	18.2	3.86	4.22	10.5	9.7	10.3	9.0	1.1	.5	.7	.9	103.25	100.86	99.5	99.7	103.0	101.0	455	380
3	19.2	18.7	3.95	4.18	9.9	9.5	10.5	9.4	1.2	.5	.6	.6	103.70	102.19	98.9	99.8	102.5	102.0	3,022	2,798
4	19.0	17.9	4.08	4.35	9.7	9.9	10.4	8.0	2.5	.7	.6	.5	103.43	100.79	96.3	99.6	99.5	100.5	338	313
5	18.6	18.4	3.75	3.93	9.5	9.5	13.8	12.4	4.0	.9	.8	.6	99.38	99.47	88.0	98.2	88.0	98.0	1,765	766
6	18.3	18.0	3.75	3.83	10.2	10.4	13.7	12.2	3.9	1.5	.4	.4	99.45	98.80	89.1	98.0	88.5	97.0	245	182
7	18.3	17.8	3.55	3.67	9.8	9.6	15.9	15.2	4.5	.9	.6	.6	97.49	95.73	85.2	96.7	83.0	92.5	106	21
8	18.5	17.7	3.65	3.88	9.8	9.5	15.1	13.0	3.8	.8	.6	.6	98.70	96.46	87.4	97.2	86.0	94.0	98	36
9	19.0	18.9	3.75	3.83	9.6	9.6	13.0	12.3	6.2	1.2	.5	.4	101.23	101.19	80.9	98.7	82.0	100.0	23	14
State	18.9	18.4	3.92	4.17	9.8	9.6	11.5	9.6	2.2	.6	.6	.6	102.14	101.31	95.5	99.5	98.0	101.0	7,243	5,324

MISSISSIPPI

1	18.4	18.1	4.16	4.29	9.9	9.8	10.8	9.5	0.6	0.5	0.8	0.6	101.70	100.86	99.4	99.7	101.0	100.5	6,684	4,903
2	19.2	18.7	3.83	4.15	10.1	9.7	11.4	9.6	.6	.4	1.0	.5	103.10	102.45	99.1	99.9	102.0	102.5	3,894	3,055
3	19.5	19.2	3.76	4.01	10.3	9.9	10.7	9.6	.4	.4	.5	.6	104.22	104.10	99.6	99.9	104.0	104.0	1,926	1,517
4	18.8	18.5	4.19	4.28	10.2	10.1	10.0	9.4	.6	.5	.6	.7	103.85	103.07	99.7	99.8	103.5	103.0	6,734	5,323
5	18.8	18.3	3.95	4.25	10.5	9.8	10.6	9.6	.7	.6	.4	.6	103.10	101.57	99.6	99.8	103.0	101.5	2,964	2,176
6	18.9	17.8	3.86	4.20	10.8	10.0	10.4	9.6	.5	.7	.4	.7	102.94	99.44	99.8	99.8	103.0	99.0	1,483	1,270
7	18.8	18.4	3.88	4.10	10.3	10.0	11.7	10.4	2.0	.8	.5	.4	102.00	101.28	96.6	99.5	98.5	101.0	1,279	1,031
8	18.9	18.5	3.78	3.97	10.6	10.7	12.1	10.5	2.0	1.1	.6	.6	102.22	101.82	96.7	99.0	99.0	101.0	1,748	1,265
9	18.7	18.0	3.77	4.01	11.3	11.5	11.9	10.1	1.4	1.0	.4	.6	102.31	101.17	98.6	99.1	101.0	100.5	704	599
State	18.8	18.4	4.00	4.20	10.3	10.0	10.8	9.6	.8	.6	.7	.6	102.88	101.96	99.2	99.7	102.0	101.5	27,416	21,140

NEW MEXICO

3	-	19.8	-	4.00	-	11.1	-	6.4	-	0.6	-	1.7	-	107.58	-	99.2	-	107.0	-	110
7	-	22.8	-	3.59	-	12.0	-	6.3	-	.4	-	.2	-	118.16	-	100.0	-	118.0	-	2
9	-	20.8	-	3.89	-	11.8	-	6.6	-	.5	-	1.7	-	111.70	-	99.1	-	111.0	-	531
State	-	20.6	-	3.91	-	11.7	-	6.5	-	.5	-	1.7	-	111.01	-	99.1	-	110.0	-	643

Table 5. Cottonseed: Quality factors, indexes, and grades, by crop-reporting districts and States, 1955 and 1956 (Continued)

OKLAHOMA

Dist. No.	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	No.	No.
2	17.4	16.3	4.26	4.38	11.7	10.3	9.3	7.7	0.5	0.5	1.7	1.5	100.31	95.85	99.3	99.4	99.5	94.0	5	3
3	17.5	16.9	4.27	4.47	10.3	9.6	10.1	7.3	.7	.6	1.0	1.3	99.27	96.95	99.4	99.5	99.0	96.5	126	39
4	18.3	18.1	4.25	4.37	10.6	10.6	8.7	7.7	.6	.4	1.1	1.1	102.66	102.29	99.5	99.7	102.0	102.0	828	440
5	17.8	17.0	4.25	4.39	10.7	10.9	9.6	7.5	.8	.4	1.1	1.1	100.49	98.60	99.3	99.6	100.0	98.0	444	210
6	17.4	16.6	4.17	4.37	10.2	10.1	10.9	7.3	.7	.4	1.0	1.2	97.99	95.54	99.4	99.7	97.5	95.5	818	193
7	18.6	18.3	4.20	4.23	11.2	11.3	8.9	7.8	.7	.4	.8	.8	104.00	103.11	99.6	99.8	103.5	103.0	1,507	1,305
8	17.7	17.4	4.28	4.38	10.7	10.8	8.8	6.8	.6	.4	.7	.7	100.33	100.04	99.8	99.9	100.0	100.0	206	72
9	17.9	17.6	4.13	4.28	10.1	10.7	10.8	7.5	.5	.4	1.1	1.0	99.69	100.09	99.5	99.8	99.0	100.0	151	14
State	18.1	17.9	4.21	4.29	10.7	11.0	9.5	7.7	.7	.4	1.0	.9	101.65	101.66	99.5	99.8	101.0	101.5	4,085	2,276

TENNESSEE

1	19.1	19.1	3.77	4.04	10.4	9.9	11.8	9.9	0.4	0.4	0.9	0.7	102.64	103.63	99.0	99.6	101.5	103.0	3,934	2,949
2	19.4	19.6	3.72	4.04	10.3	9.8	11.8	9.3	.4	.4	1.0	.7	103.81	105.11	98.9	99.7	102.5	105.0	5,045	3,741
3	18.7	19.4	3.95	4.08	10.2	9.7	10.9	10.0	.4	.5	.8	.7	102.09	104.70	99.5	99.8	101.5	104.5	329	296
4	18.7	19.6	3.92	3.99	10.6	9.8	10.5	10.6	.5	.4	.8	.6	102.35	104.89	99.6	99.7	102.0	105.0	365	273
5	18.9	19.5	3.89	4.03	10.5	10.0	10.4	10.6	.5	.4	.8	.7	102.93	105.55	99.8	99.8	102.5	105.5	97	76
6	19.0	-	3.83	-	11.3	-	10.2	-	.9	-	.3	-	103.69	-	99.5	-	103.0	-	27	-
State	19.2	19.4	3.76	4.04	10.4	9.9	11.7	9.7	.4	.4	1.0	.7	103.22	104.65	99.0	99.7	102.0	104.5	9,797	7,335

TEXAS

1	19.4	19.7	3.86	4.03	10.0	10.8	7.7	6.8	0.7	0.5	2.0	1.2	103.61	107.08	98.7	99.6	102.5	106.5	8,605	9,734
2	18.6	18.7	4.26	4.26	9.9	10.7	8.2	7.1	.6	.5	1.0	.9	102.55	104.19	99.6	99.7	102.0	104.0	3,768	2,218
3	17.6	17.7	4.32	4.25	11.5	11.6	7.7	7.7	.6	.7	.6	.6	101.02	101.71	99.9	99.3	101.0	101.0	148	72
4	17.4	16.6	4.23	4.25	11.6	11.1	8.2	7.0	.7	.8	.8	1.3	100.02	95.29	99.8	99.6	100.0	95.0	1,183	129
5	19.0	18.0	3.97	4.30	10.8	10.2	9.3	7.7	.9	.5	.8	.8	104.13	100.43	99.7	99.9	104.0	101.0	460	160
6	21.1	21.8	3.76	3.72	11.2	12.4	7.3	6.8	.6	.5	1.7	1.5	111.45	115.30	99.0	99.3	110.5	114.5	673	693
7	17.6	18.4	4.33	4.20	9.9	11.8	7.2	8.3	.8	.7	.7	.7	99.27	103.92	99.9	99.9	99.0	104.0	148	53
8	17.1	17.2	4.19	4.21	12.3	9.7	9.0	9.6	1.5	.7	.4	1.4	99.11	96.56	98.9	99.4	98.0	96.0	18	2
9	18.0	17.1	4.15	4.17	9.3	9.5	11.6	10.1	3.5	1.0	.6	.3	98.88	95.85	89.6	99.1	87.5	95.0	434	132
10	17.3	19.1	4.32	4.00	11.3	10.2	7.5	8.1	.8	.7	.8	1.0	100.07	103.94	100.0	99.6	100.0	103.5	3	31
State	19.0	19.5	4.00	4.06	10.2	10.9	8.0	6.9	.8	.5	1.6	1.1	103.23	106.67	98.8	99.6	102.0	106.5	15,440	13,224

Table 6. Percentage distribution of quantity and quality indexes by specified frequencies, by States and United States, 1955 and 1956

State	Quantity Index														Total									
	Under 65		65-69		70-74		75-79		80-84		85-89		90-94			95-99		100-104		105 and over				
	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.		1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956
Ala.	-	-	-	-	-	-	-	-	-	-	0.1	0.3	0.6	2.8	6.7	14.8	58.6	36.0	34.0	46.1	100.0	100.0	100.0	100.0
Ark.	*	*	*	*	*	*	*	*	*	*	*	*	.5	2.6	11.4	15.6	62.4	53.9	25.5	27.6	100.0	100.0	100.0	100.0
Ill.	-	-	-	-	-	-	-	-	-	-	-	-	4.4	3.6	28.9	14.3	62.3	51.7	4.4	30.4	100.0	100.0	100.0	100.0
Ky.	-	-	-	-	-	-	-	-	-	-	-	.8	4.4	7.6	42.6	17.6	50.1	52.2	2.2	21.8	100.0	100.0	100.0	100.0
La.	*	*	*	*	*	*	*	*	0.1	0.1	.6	.3	3.8	4.4	20.1	30.3	51.6	48.6	23.7	16.3	100.0	100.0	100.0	100.0
Miss.	0.1	*	*	*	*	*	*	*	*	*	.1	.1	.8	2.1	14.6	23.6	59.5	56.6	24.9	17.5	100.0	100.0	100.0	100.0
Mo.	*	*	*	*	*	*	*	*	.1	.1	.3	.2	1.7	2.6	20.0	11.9	54.2	36.1	23.6	49.0	100.0	100.0	100.0	100.0
N. Mex.	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	6.0	-	19.9	8.2	72.5	91.2	100.0	100.0	100.0	100.0
Okla.	.2	*	*	*	*	*	*	*	*	*	.8	.8	6.1	5.8	28.0	21.3	40.3	51.2	24.7	20.7	100.0	100.0	100.0	100.0
Tenn.	.1	*	*	*	*	*	*	*	*	*	-	.3	.2	1.6	12.3	8.9	58.7	35.2	28.7	53.9	100.0	100.0	100.0	100.0
Tex.	*	*	*	*	*	*	*	*	.3	*	.9	.1	4.5	1.1	20.4	4.2	35.3	23.2	38.5	71.4	100.0	100.0	100.0	100.0
All Other 1/	-	-	-	-	-	-	-	-	.6	-	2.3	3.6	7.6	17.9	31.0	17.9	30.4	25.0	28.1	35.6	100.0	100.0	100.0	100.0
Total	*	*	*	*	*	*	*	*	.1	*	.3	.2	1.7	2.3	15.3	16.0	54.5	44.6	28.0	36.8	100.0	100.0	100.0	100.0

State	Quality Index														Total										
	Below grade	Below prime quality																							
		1955	Pct.	1956	Pct.	40.0-49.9	50.0-59.9	60.0-69.9	70.0-79.9	80.0-84.9	85.0-89.9	90.0-94.9	95.0-99.9	Prime quality 100											
1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.		
Ala.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ark.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Ill.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ky.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
La.	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Miss.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Mo.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
N. Mex.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Okla.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tenn.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tex.	.1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
All Other 1/	5.8	-	5.8	7.1	11.7	10.7	7.0	-	3.5	-	4.1	-	11.7	-	33.4	25.0	17.0	57.2	100.0	100.0	100.0	100.0	100.0	100.0	
Total	.1	*	*	*	*	*	*	.2	.1	.5	.1	.8	.3	2.3	.9	37.1	24.8	58.5	73.7	100.0	100.0	100.0	100.0	100.0	

* Less than 0.05 percent.
1/ See footnote on Table 17.

Table 7. Percentage distribution of grades by specified frequencies, by States and United States, 1955 and 1956

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		
	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.		1956	Pct.	1955	Pct.	1956	Pct.	
Ala.	*	-	0.1	0.2	0.1	0.2	0.1	0.3	0.6	1.1	1.6	3.9	6.8	13.5	53.5	33.5	36.4	42.8	0.8	4.5	100.0	100.0
Ark.	*	*	.2	.4	.1	.1	.3	.4	.9	2.2	4.3	13.9	15.4	55.5	49.4	27.1	26.9	.5	2.3	100.0	100.0	
Ill.	-	-	-	-	1.8	-	-	-	1.8	13.3	5.4	26.7	21.4	57.8	44.6	2.2	25.0	-	-	100.0	100.0	
Ky.	-	-	-	-	-	.7	.8	.7	4.2	15.4	7.6	35.3	14.3	45.0	45.4	2.9	27.7	-	-	100.0	100.0	
La.	0.1	*	2.8	*	3.4	.2	4.3	.5	6.5	1.8	9.9	6.0	15.3	26.9	37.0	47.2	20.3	15.5	.4	1.9	100.0	100.0
Miss.	*	*	.2	.2	.1	*	.3	.1	.7	.4	3.9	3.3	16.5	21.6	52.6	55.3	25.0	18.2	.7	.9	100.0	100.0
Mo.	.1	*	.4	.3	.1	.1	.3	.3	.8	.9	5.1	5.2	21.0	11.1	47.3	31.8	24.3	43.3	.6	7.0	100.0	100.0
N. Mex.	-	-	-	.2	.4	-	.4	.2	.4	.2	2.8	.6	11.2	2.8	17.1	10.1	31.1	28.6	36.6	57.3	100.0	100.0
Okla.	.1	*	.1	.1	*	-	.1	.2	1.5	1.0	7.0	6.7	26.2	20.3	40.2	50.2	22.9	19.4	1.9	2.1	100.0	100.0
Tenn.	.1	*	.1	.1	*	.1	.1	.1	.2	.8	3.6	2.8	20.6	8.2	46.3	32.0	28.7	51.4	.3	4.5	100.0	100.0
Tex.	.2	*	.5	.2	.3	.1	.7	.1	1.7	.2	6.7	1.3	20.8	4.6	33.0	24.4	27.3	53.2	8.8	15.9	100.0	100.0
All Other 1/	5.3	-	20.5	7.1	5.8	-	2.9	3.6	7.6	7.1	20.5	10.7	8.8	21.5	11.1	17.9	3.5	21.4	14.0	10.7	100.0	100.0
Total	.1	*	.4	.2	.4	.1	.6	.2	1.2	.7	4.4	3.6	16.9	15.0	47.6	42.6	26.4	32.3	2.0	5.3	100.0	100.0

* Less than 0.05 percent.

1/ See footnote on Table 17.

Table 8. Percentage distribution of oil by specified frequencies, by States and United States, 1955 and 1956

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		
	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.		1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	
Ala.	0.2	0.1	0.1	0.5	0.2	1.1	0.7	3.3	1.7	5.9	5.2	8.5	14.3	8.2	24.6	12.6	44.3	35.6	8.5	22.7	0.2	1.5	100.0	
Ark.	.1	.1	*	.2	.1	.5	.3	2.1	1.3	5.0	5.0	7.9	15.1	14.8	28.5	24.4	44.5	37.0	5.0	7.4	.1	.6	100.0	
Ill.	-	-	-	-	-	-	4.4	1.8	8.9	1.8	13.3	10.7	6.7	7.1	31.1	12.5	35.6	55.4	-	10.7	-	-	100.0	
Ky.	-	.8	-	.8	.7	1.7	.7	5.0	13.2	7.6	21.3	8.4	14.7	11.8	32.5	21.0	16.9	42.9	-	-	-	-	100.0	
La.	.2	.1	.1	.2	.3	.4	.8	2.3	2.0	8.4	5.7	17.9	14.2	25.3	24.9	19.3	44.3	20.0	7.2	5.1	.3	1.0	100.0	
Miss.	.2	.1	.1	.1	.2	.5	.6	2.9	2.1	8.3	7.5	16.5	18.5	24.5	26.6	22.2	39.0	21.8	5.1	3.0	.1	.1	100.0	
Mo.	.2	.3	.4	.4	.6	.9	1.9	2.0	5.9	3.8	11.2	7.5	16.9	12.1	21.9	17.1	33.2	37.7	7.5	16.8	.3	1.4	100.0	
N. Mex.	-	-	-	.4	-	.4	-	.8	-	1.2	.2	3.6	.8	5.2	2.6	5.2	5.6	20.7	18.4	25.1	28.5	37.8	43.9	100.0
Okla.	*	.1	1.4	2.9	3.7	5.5	8.9	9.0	15.0	14.0	17.4	20.7	16.9	19.0	14.5	13.1	18.9	12.7	3.2	2.8	.1	.2	100.0	
Tenn.	.1	-	.3	.1	.5	.1	.8	.6	1.9	2.4	3.9	9.1	7.7	21.1	12.3	51.4	44.8	14.7	26.6	.4	1.2	100.0	100.0	
Tex.	.3	.3	1.2	.3	2.6	.9	5.0	1.3	7.2	2.1	8.6	3.2	10.1	5.4	11.9	11.1	24.6	42.4	18.6	23.2	9.9	9.8	100.0	
All Other 1/	.6	3.6	2.3	-	4.7	10.7	8.8	7.1	9.9	4.7	20.4	3.6	17.5	3.6	12.9	7.1	9.4	32.1	4.7	14.3	8.8	-	100.0	
Total	.2	.1	.3	.3	.7	.8	1.6	2.3	3.3	5.5	7.0	10.0	14.7	15.3	23.2	18.5	38.7	32.5	8.5	12.1	1.8	2.6	100.0	

* Less than 0.05 percent.

1/ See footnote on Table 17.

Table 9. Percentage distribution of ammonia by specified frequencies, by States and United States, 1955 and 1956

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 and over		Total					
	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.
Ala.	0.1	0.1	*	-	0.1	*	0.7	0.2	2.3	0.8	7.2	2.3	20.2	7.8	33.6	24.2	28.3	36.7	7.5	27.9	100.0	100.0	100.0	100.0
Ark.	.1	*	*	*	*	*	.1	-	.8	*	5.0	.2	16.8	2.8	29.5	13.1	28.8	32.1	18.9	51.7	100.0	100.0	100.0	100.0
Ill.	-	-	-	-	-	-	1.8	-	28.9	19.6	51.1	39.3	8.9	33.9	6.7	5.4	-	-	4.4	-	100.0	100.0	100.0	100.0
Ky.	.8	*	-	-	-	-	-	-	8.8	.8	47.8	4.2	30.9	26.9	11.8	47.1	7	16.8	-	3.4	100.0	100.0	100.0	100.0
La.	.2	*	*	*	.2	*	1.7	.3	6.3	1.4	12.1	3.2	17.7	4.6	22.3	10.0	17.9	20.3	21.6	60.1	100.0	100.0	100.0	100.0
Miss.	.1	*	*	*	*	*	.3	*	2.2	.1	7.7	.9	16.4	3.1	19.9	9.3	20.3	21.4	33.1	65.1	100.0	100.0	100.0	100.0
Mo.	.1	.1	*	*	*	*	.6	*	7.5	.7	25.5	5.5	30.9	14.9	23.7	27.5	9.7	31.2	2.0	20.1	100.0	100.0	100.0	100.0
N. Mex.	-	-	-	-	-	-	.4	-	5.2	.5	31.5	1.7	39.4	26.0	20.7	51.6	2.4	18.0	.4	2.2	100.0	100.0	100.0	100.0
Okla.	*	.1	*	*	-	-	*	-	*	-	.3	.2	1.9	1.7	7.9	5.4	20.9	9.6	68.9	83.0	100.0	100.0	100.0	100.0
Tenn.	.1	*	*	*	.1	*	1.2	*	7.2	.1	24.0	1.3	38.1	8.8	22.4	26.3	6.1	39.9	.8	23.6	100.0	100.0	100.0	100.0
Tex.	.1	.1	*	*	.1	*	.4	.2	3.3	.9	11.3	2.4	18.9	8.2	17.4	25.7	14.2	31.1	34.3	31.4	100.0	100.0	100.0	100.0
All Other 1/	.6	-	-	-	3.6	4.7	3.6	6.4	-	-	19.3	-	27.4	3.6	12.9	14.3	15.2	21.4	13.5	53.5	100.0	100.0	100.0	100.0
Total	.1	*	*	*	.5	.1	.4	10.5	1.6	19.7	5.8	22.8	17.0	19.6	28.4	23.7	46.7	100.0	100.0	100.0	100.0	100.0	100.0	

Table 10. Percentage distribution of linters by specified frequencies, by States and United States, 1955 and 1956

State	Linters																							
	Under 6.9		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		Total					
	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.	1955	Pct.	1956	Pct.
Ala.	0.1	0.1	0.3	8.3	13.6	37.4	46.9	33.6	22.0	14.1	11.1	4.6	5.1	1.6	0.9	0.3	*	*	100.0	100.0	100.0	100.0	100.0	100.0
Ark.	.1	*	3.6	14.8	34.7	47.6	42.1	29.5	15.2	6.7	3.6	1.0	.7	.2	.1	.1	*	*	100.0	100.0	100.0	100.0	100.0	100.0
Ill.	-	-	-	-	8.9	7.1	37.8	46.4	26.7	32.2	24.4	14.3	2.2	-	-	-	-	-	-	-	100.0	100.0	100.0	100.0
Ky.	-	-	-	-	5.9	8.5	37.5	55.1	45.6	33.9	10.3	2.5	.7	-	-	-	-	-	-	-	100.0	100.0	100.0	100.0
La.	.3	.1	14.9	21.5	44.4	49.9	30.8	23.5	8.2	4.3	1.3	.7	.1	*	-	-	-	-	-	-	100.0	100.0	100.0	100.0
Miss.	.1	*	3.4	8.9	33.6	45.4	45.0	31.7	14.3	10.1	3.0	.4	.6	.1	.1	.1	.1	.1	0.1	*	100.0	100.0	100.0	100.0
Mo.	*	*	.4	1.0	3.9	11.8	23.6	43.9	44.4	33.6	22.2	8.8	5.0	.8	.5	*	*	*	100.0	100.0	100.0	100.0	100.0	100.0
N. Mex.	.8	-	5.6	.5	16.3	3.0	27.5	12.4	28.7	51.7	14.7	24.9	4.8	6.1	1.6	1.4	-	-	-	-	100.0	100.0	100.0	100.0
Okla.	.3	-	2.8	2.0	17.4	11.7	37.8	32.7	31.0	38.6	9.5	12.3	1.2	2.5	*	.2	-	-	-	-	100.0	100.0	100.0	100.0
Tenn.	.1	*	.9	7.3	25.9	49.9	56.1	36.2	15.3	6.2	1.5	.4	.1	*	*	*	-	-	.1	-	100.0	100.0	100.0	100.0
Tex.	2.0	.8	18.8	7.8	22.2	14.1	25.4	26.7	19.4	30.0	8.8	16.3	2.8	3.6	.5	.7	.1	*	100.0	100.0	100.0	100.0	100.0	100.0
All Other 1/	.6	-	-	7.1	1.8	25.0	7.1	17.9	15.4	25.0	38.4	14.3	24.9	7.1	11.2	3.6	.6	-	-	-	100.0	100.0	100.0	100.0
Total	.4	.2	6.0	10.0	28.3	37.2	39.7	31.0	18.1	14.9	5.8	5.4	1.5	1.1	.2	.2	*	*	100.0	100.0	100.0	100.0	100.0	100.0

* Less than 0.05 percent
 1/ See footnote on Table 17.

Table 11. Percentage distribution of moisture in cottonseed samples by specified frequencies, by States and United States, 1955

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.	92.2	7.6	0.2	0.1	0.2	23.8	36.7	23.6	7.8	5.1	1.7	0.6	0.2	0.2	100.0
Ark.	82.7	17.2	.1	*	.1	17.5	26.9	20.7	17.5	13.8	3.1	.3	*	.1	100.0
Ill.	55.5	44.5	-	-	-	-	4.4	11.1	40.0	37.8	6.7	-	-	-	100.0
Ky.	47.8	52.2	-	-	-	.7	7.4	14.7	25.0	35.4	13.2	2.9	.7	-	100.0
La.	68.2	30.5	1.3	*	.1	18.8	20.0	17.4	11.9	14.7	8.2	5.1	2.5	1.3	100.0
Miss.	78.2	21.7	.1	*	.3	17.5	22.7	21.9	15.8	13.9	6.0	1.6	.2	.1	100.0
Mo.	72.6	27.3	.1	-	*	8.5	21.0	22.7	20.4	23.2	3.7	.4	*	.1	100.0
N. Mex.	97.2	2.8	-	-	56.1	31.9	3.6	2.8	2.8	.8	1.2	.8	-	-	100.0
Okla.	89.2	10.8	*	*	1.8	51.5	15.8	11.6	8.5	8.4	2.1	.2	.1	*	100.0
Tenn.	59.8	40.1	*	*	*	2.6	17.8	21.2	18.2	28.2	9.2	2.6	.1	*	100.0
Tex.	96.3	3.6	.1	.1	34.0	45.6	7.9	5.4	3.3	2.6	.7	.2	.1	.1	100.0
All Other 1/	66.7	30.4	2.9	-	9.4	12.9	11.7	16.4	16.4	16.3	5.8	5.3	2.9	2.9	100.0
Total	80.5	19.3	.2	*	5.5	21.7	21.2	18.4	13.7	13.4	4.4	1.2	.3	.2	100.0

Table 12. Percentage distribution of moisture in cottonseed samples by specified frequencies, by States and United States, 1956

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.	88.5	11.4	*	*	*	27.7	28.5	21.1	11.2	9.4	1.8	0.2	*	*	100.0
Ark.	89.6	10.4	*	0.1	3.3	39.0	19.7	16.6	10.9	8.7	1.6	.1	*	*	100.0
Ill.	59.0	41.0	-	-	-	14.3	16.1	28.6	33.8	5.4	1.8	-	-	-	100.0
Ky.	84.9	15.1	-	-	-	32.8	18.5	21.0	12.6	10.1	4.2	.8	-	-	100.0
La.	85.9	13.9	-	.1	8.8	40.8	15.6	12.5	8.1	7.5	4.3	1.4	0.7	0.2	100.0
Miss.	90.6	9.4	*	-	1.2	42.2	20.5	17.3	9.4	7.1	2.1	.2	*	*	100.0
Mo.	91.3	8.7	-	*	1.5	41.6	20.4	17.2	10.6	7.2	1.4	.1	*	-	100.0
N. Mex.	100.0	-	-	.2	82.2	17.0	.2	.2	.2	-	-	-	-	-	100.0
Okla.	99.8	.2	-	.2	38.2	46.6	10.2	3.6	1.0	.2	*	-	-	-	100.0
Tenn.	89.6	10.4	*	.1	3.3	39.0	19.7	16.6	10.9	8.7	1.6	.1	*	*	100.0
Tex.	99.7	.2	*	.2	62.0	34.6	2.2	.5	.2	.2	*	*	-	*	100.0
All Other 1/	82.1	17.9	-	-	7.1	17.9	28.5	17.9	10.7	10.7	-	3.6	3.6	-	100.0
Total	91.8	8.2	*	.1	14.1	39.1	16.9	13.4	8.2	6.4	1.5	.2	.1	*	100.0

* Less than 0.05 percent.

1/ See footnote on Table 17.

Table 13. Percentage distribution of free fatty acid in cottonseed samples, by specified frequencies, by States and United States, 1955

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.	97.2	2.8	-	51.4	38.0	5.5	2.3	2.1	0.5	0.2	*	*	*	-	100.0
Ark.	99.0	.9	*	58.8	37.5	2.1	.6	.6	.2	.1	*	*	*	*	100.0
Ill.	97.8	2.2	-	49.0	44.4	2.2	2.2	-	2.2	-	-	-	-	-	100.0
Ky.	100.0	-	-	72.8	25.7	1.5	-	-	-	-	-	-	-	-	100.0
La.	60.8	39.0	0.2	3.2	26.8	20.7	10.1	15.9	12.8	6.9	2.6	0.7	0.1	0.2	100.0
Miss.	93.9	6.1	*	41.2	39.8	9.5	3.4	3.6	1.8	.5	.1	.1	*	*	100.0
Mo.	98.5	1.4	.1	79.5	17.3	1.3	.4	.5	.4	.2	.2	.1	*	.1	100.0
N. Mex.	99.2	.8	-	31.1	62.9	3.6	1.6	.4	.4	-	-	-	-	-	100.0
Okla.	98.9	1.1	-	18.7	67.3	11.2	1.7	1.0	.1	*	-	-	-	-	100.0
Tenn.	99.6	.3	-	75.4	23.0	1.0	.2	.1	.2	*	*	-	*	-	100.0
Tex.	98.4	1.4	.2	21.6	66.0	9.6	1.2	.5	.3	.3	.1	.1	.1	.2	100.0
All Other 1/	47.9	32.2	19.9	12.3	10.5	15.2	9.9	10.5	5.8	5.8	5.3	4.1	.6	20.0	100.0
Total	94.6	5.3	.1	45.0	40.3	7.0	2.3	2.6	1.6	.7	.3	.1	*	.1	100.0

Table 14. Percentage distribution of free fatty acid in cottonseed samples, by specified frequencies, by States and United States, 1956

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.	
Ala.	96.2	3.7	*	50.4	37.3	6.4	2.1	2.0	1.1	0.5	0.1	*	*	*	100.0
Ark.	97.7	2.2	0.1	83.8	11.2	1.9	.8	.9	.7	.4	.1	0.1	*	0.1	100.0
Ill.	92.8	7.2	-	71.4	19.6	-	1.8	3.6	1.8	-	1.8	-	-	-	100.0
Ky.	100.0	-	-	90.8	9.2	-	-	-	-	-	-	-	-	-	100.0
La.	97.3	2.7	*	54.8	33.8	6.8	1.9	1.7	.7	.2	.1	*	*	*	100.0
Miss.	97.9	2.0	*	65.0	25.9	5.4	1.6	1.3	.5	.1	.1	*	*	*	100.0
Mo.	98.6	1.4	-	87.1	9.5	1.5	.5	.6	.4	.2	.1	.1	*	-	100.0
N. Mex.	99.8	.2	-	58.0	40.1	1.7	-	-	-	-	-	-	0.2	-	100.0
Okla.	99.6	.4	-	74.6	22.9	1.8	.3	.4	*	-	-	-	-	-	100.0
Tenn.	99.4	.6	-	87.1	11.2	.8	.3	.3	.1	.1	.1	*	*	-	100.0
Tex.	99.4	.5	*	47.4	48.2	3.5	.3	.3	.1	.1	*	*	*	*	100.0
All Other 1/	89.3	10.7	-	14.3	60.7	14.3	-	3.6	-	-	-	7.1	-	-	100.0
Total	98.2	1.7	*	68.8	24.8	3.6	1.0	.9	.5	.2	.1	*	*	*	100.0

* Less than 0.05 percent.

1/ See footnote on Table 17.

Table 15. Percentage distribution of foreign matter in cottonseed samples by specified frequencies, by States and United States, 1955

State	Foreign Matter													Total
	Prime quality 0-1.0	Below prime quality 1.1-10.0	Off quality 10.1 and over	0 - 0.5	0.6 - 1.0	1.1 - 2.0	2.1 - 3.0	3.1 - 4.0	4.1 - 5.5	5.6 - 7.0	7.1 - 8.5	8.6 - 10.0	10.1 and over	
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	90.5	9.4	0.1	61.8	28.7	7.3	1.2	0.5	0.2	0.1	-	0.1	0.1	100.0
Ark.	76.3	23.5	.2	38.4	37.9	15.4	4.3	1.7	1.2	.5	0.2	.2	.2	100.0
Ill.	71.1	28.9	-	46.7	24.4	20.0	6.7	2.2	-	-	-	-	-	100.0
Ky.	70.5	29.5	-	53.6	16.9	18.4	7.4	2.2	1.5	-	-	-	-	100.0
La.	86.6	13.3	*	57.8	28.8	11.1	1.4	.5	.2	*	.1	*	*	100.0
Miss.	83.8	16.1	*	53.6	30.2	12.3	2.6	.8	.3	.1	*	*	*	100.0
Mo.	75.2	24.5	.3	47.0	28.2	14.7	5.2	2.2	1.3	.6	.3	.2	.3	100.0
N. Mex.	45.8	54.2	-	23.9	21.9	24.3	14.7	8.4	4.4	.4	.4	.4	1.2	100.0
Okla.	70.3	29.7	*	29.7	40.6	22.6	5.1	1.2	.5	.2	*	.1	*	100.0
Tenn.	72.3	27.5	.2	48.4	23.9	15.9	6.5	3.0	1.4	.5	.1	.1	.2	100.0
Tex.	51.1	48.6	.3	22.8	28.3	23.8	11.9	6.8	4.1	1.4	.4	.2	.3	100.0
All Other <u>1/</u>	75.4	24.0	.6	36.8	38.6	19.9	2.3	1.2	-	-	.6	-	.6	100.0
Total	75.3	24.5	.2	44.1	31.2	15.3	4.9	2.2	1.3	.5	.2	.1	.2	100.0

Table 16. Percentage distribution of foreign matter in cottonseed samples by specified frequencies, by States and United States, 1956

State	Foreign Matter													Total
	Prime quality 0-1.0	Below prime quality 1.1-10.0	Off quality 10.1 and over	0 - 0.5	0.6 - 1.0	1.1 - 2.0	2.1 - 3.0	3.1 - 4.0	4.1 - 5.5	5.6 - 7.0	7.1 - 8.5	8.6 - 10.0	10.1 and over	
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	87.1	12.8	0.1	54.2	32.9	10.9	1.4	0.2	0.2	0.1	*	*	0.1	100.0
Ark.	81.3	18.4	.3	46.8	34.5	11.3	3.7	1.4	1.1	.5	0.2	0.2	.3	100.0
Ill.	62.5	37.5	-	42.9	19.6	21.4	10.7	5.4	-	-	-	-	-	100.0
Ky.	80.7	19.3	-	58.9	21.8	8.4	5.0	1.7	3.4	.8	-	-	-	100.0
La.	88.8	11.2	*	60.8	28.0	9.1	1.5	.3	.2	.1	*	-	*	100.0
Miss.	88.1	11.8	*	57.2	30.9	10.3	1.2	.2	.1	*	*	*	*	100.0
Mo.	80.2	19.5	.3	57.1	23.1	10.8	3.9	2.4	1.6	.5	.1	.2	.3	100.0
N. Mex.	37.8	61.6	.6	15.6	22.2	43.3	9.0	3.1	3.1	1.7	.9	.5	.6	100.0
Okla.	74.3	25.6	.1	35.6	38.7	19.8	3.8	1.2	.5	.1	.1	.1	.1	100.0
Tenn.	84.8	15.1	.1	59.8	25.0	10.7	2.5	1.0	.6	.2	.1	*	.1	100.0
Tex.	59.8	40.0	.2	25.6	34.2	30.1	6.9	1.8	.7	.2	.2	.1	.2	100.0
All Other <u>1/</u>	67.8	28.6	3.6	46.4	21.4	10.7	14.3	3.6	-	-	-	-	3.6	100.0
Total	80.1	19.7	.2	48.8	31.3	14.4	3.2	1.0	.6	.3	.1	.1	.2	100.0

* Less than 0.05 percent.

1/ See footnote on Table 17.

Table 17. Number of cottonseed samples by specified groups, by qualities, and number reduced in grade for specified causes, by States and United States, 1955 and 1956 (Continued)

State	Quality				Total samples graded		Reduced due to excess							
	Prime		Below prime and off quality		Below grade		Moisture		Free fatty acids		Foreign matter			
	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956		
Ala.	5,364	3,565	1,091	1,052	-	-	6,455	4,617	507	527	183	174	610	592
Ark.	15,069	14,158	8,802	4,801	5	2	23,876	18,961	4,133	1,975	250	427	5,654	3,541
Ill.	17	20	28	36	-	-	45	56	20	23	1	4	13	21
Ky.	48	84	88	35	-	-	136	119	71	18	-	-	40	23
La.	3,271	3,978	3,958	1,346	14	-	7,243	5,324	2,304	752	2,833	146	970	597
Miss.	17,462	16,741	9,952	4,396	2	3	27,416	21,140	5,967	1,850	1,671	448	4,433	2,516
Mo.	3,600	3,992	2,656	1,356	3	-	6,259	5,348	1,716	638	91	79	1,549	1,056
N. Mex.	108	243	143	400	-	-	251	643	7	-	2	1	136	400
Okla.	2,494	1,685	1,591	591	-	-	4,085	2,276	444	6	46	11	1,217	587
Tenn.	4,390	5,663	5,407	1,672	-	-	9,797	7,335	3,930	691	33	44	2,713	1,108
Texas	7,351	8,088	8,066	5,135	23	1	15,440	13,224	550	34	248	85	7,532	5,320
All Other ^{1/}	29	16	132	12	10	-	171	28	57	5	89	3	42	9
Total	59,199	58,233	41,908	20,832	57	6	101,174	79,071	19,706	6,519	5,447	1,422	24,902	15,770

^{1/} Includes Arizona, California, Florida, Georgia, North Carolina, South Carolina, South Carolina and Virginia.

A very limited number of official cottonseed grade certificates was received for these states.