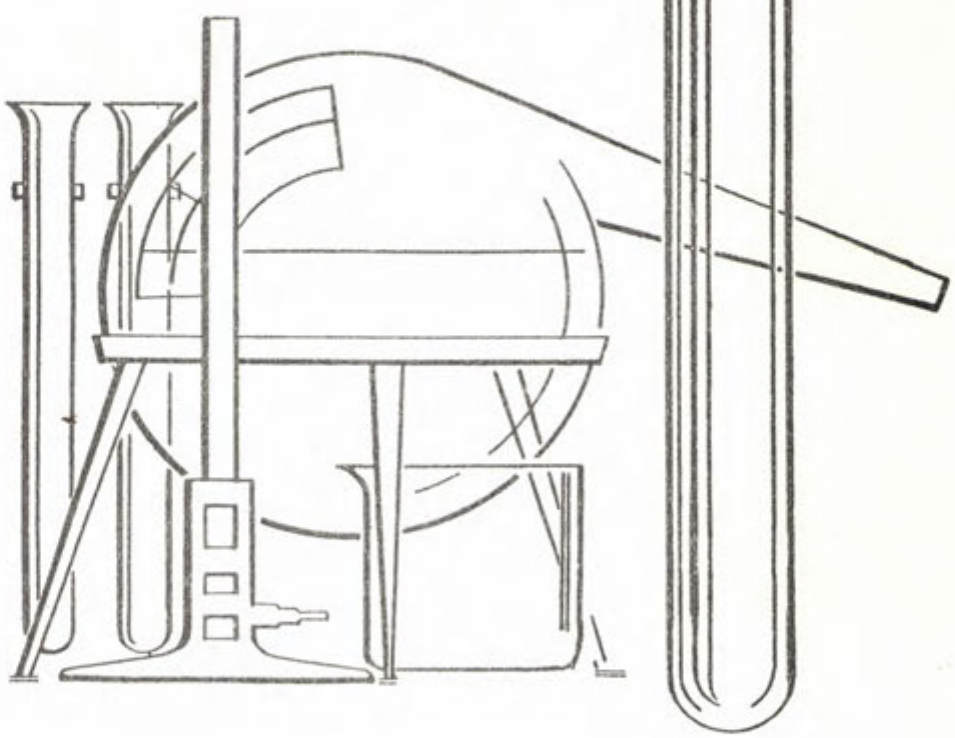
UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
Cotton Division

Cottonseed



COTTONSEED QUALITY IN THE UNITED STATES
1953 - 1954

Memphis, Tennessee
January 1956

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COTTONSEED QUALITY IN THE UNITED STATES
CROP OF 1954

This publication contains quality data for cottonseed graded from the 1954 crop. Averages of cottonseed quality factors and grades are shown by states, districts, months, and specified frequencies. Comparative data are shown for the 1953 season. The information was compiled from official cottonseed grade certificates issued by licensed chemists. During the year ended July 31, 1955, licensed chemists under the supervision of the Department of Agriculture issued official certificates covering 128,983 samples of cottonseed. These samples were drawn from cottonseed delivered to crushing mills throughout the year.

There were five basic factors used in determining the grade of cottonseed in 1954-55 in accordance with the United States Official Standards for Grades. These factors are (1) oil, (2) ammonia or protein (cake and meal), (3) moisture content, (4) free fatty acids (indicator of oil deterioration), and (5) foreign matter (trash in the seed). Of these five factors, the first two were combined to form an index for quantity and the last three an index for quality, and these in turn were used to determine the grade of cottonseed. Provision was made for the optional use of linters as a quantity factor in the determination of grade. The lint content of seed was determined and was shown on practically all of the 1954-55 cottonseed grade certificates but it was used only in western portions of Texas and Oklahoma and for American-Egyptian seed. The method of calculating the grade of cottonseed is presented in, "The Grading of Cottonseed," Agriculture Information Bulletin No. 39, May 1951.

The table presented below contains quality data indicating that cottonseed produced from the 1954 crop was somewhat lower in grade than that produced in 1953-54 but higher than for any other year since quality information was first compiled in 1944. The oil content of seed in 1954-55 was the lowest on record. Conversely, ammonia content was at a record high. Percentages of moisture and foreign matter were both up from a year earlier, while the percentage of free fatty acid in the 1954-55 season was the same as in the preceding season.

Table 1. Cottonseed quality factors, indexes, and grades, United States, 1945-54

Year beginning August 1	Cottonseed quality factors					Quantity	Quality	Average grade
	Oil	Ammonia	Moisture	Free fatty acids	Foreign matter			
	Percent	Percent	Percent	Percent	Percent	Index	Index	
1945	18.6	3.62	12.2	2.6	1.1	101.02	93.0	93.5
1946	18.7	3.61	12.4	1.0	0.8	101.29	98.0	99.5
1947	18.3	3.88	11.3	1.4	0.8	101.38	96.9	98.0
1948	18.7	3.72	11.3	1.4	0.9	102.12	96.5	98.5
1949	19.1	3.68	11.6	1.9	1.1	103.12	95.1	98.0
1950	18.7	3.64	12.8	1.9	1.1	101.02	95.0	96.0
1951	18.5	3.88	11.0	1.5	1.0	101.56	96.5	98.0
1952	18.6	4.04	9.5	1.0	0.9	102.95	98.1	101.0
1953	18.7	4.00	9.0	0.7	0.8	103.46	99.0	102.5
1954	18.2	4.12	9.2	0.7	1.0	102.07	99.2	101.5

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 for each of the major cotton-producing states and the United States. Similar data are shown by specified periods for each state in Table 5, and by crop reporting districts in Table 6.

Quantity Index

The average quantity index for cottonseed graded in 1954-55 was 102.07. This compares with the 1953-54 average of 103.46, the record high, and 102.95 two years ago. A percentage distribution of quantity indexes by specified frequencies and by states is shown in Table 7, page 21. The quantity index is an index of the relative quantities of products contained in different lots of cottonseed, the differences 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. Generally there is an inverse relationship between the two quantity factors of oil and protein, so that seed that are extra high in oil content are usually deficient in protein, and seed that are low in oil generally have a high protein content.

Quality Index Sets Record

The average quality index of cottonseed has risen for four successive years. The 1954-55 average of 99.2 is a record high and compares with 99.0 in 1953-54 and 98.1 two years earlier. A percentage distribution of quality indexes by specified frequencies and by states is shown in Table 8, page 22. 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 rise in average quality indexes during recent years likely reflects favorable growing and harvesting conditions and improvement in ginning practices.

Average Grade

The average grade of cottonseed in 1954-55 was 101.5 against 102.5 in 1953-54 and 101.0 two years earlier. The average grade of cottonseed is obtained by multiplying the quantity index by the quality index and dividing the result by 100. The result is rounded to the nearest whole or half number. The average grade in 1954-55 was lower than a year earlier in most south central and far western states but higher in most southeastern and southwestern states.

Oil Content Decreases

The average percentage of oil in the samples graded during 1954-55 was 18.2, the smallest percentage on record. The 1953-54 average was 18.7. The percentage of oil averaged lower than a year earlier in all major cotton-producing states except Oklahoma, Texas, New Mexico and California. The sharpest decreases from a year ago occurred in North Carolina and Arkansas. A distribution of percentages of oil, by specified frequencies and by states, appears in Table 10, page 24.

Ammonia Content At Record High

The average percentage of ammonia in the samples graded during 1954-55 was 4.12, the highest on record. This compares with 4.00 a year earlier and 4.04 two years ago. The percentage of ammonia was higher than last season in all major cotton-producing states. A distribution of percentages of ammonia by specified frequencies and by states is shown in Table 11, page 25.

Linters Content

The linters content for seed graded in 1954-55 averaged 11.4 percent. The percentage of linters ranged from a low of 10.0 in Louisiana to a high of 14.1 in North Carolina. A distribution of percentages of linters by specified frequencies and by states is shown in Table 12, page 26.

Moisture Content Low

The average moisture content in the cottonseed samples graded in 1954-55 was 9.2. This is slightly larger than the 1953-54 average of 9.0 which is the lowest on record. The percentage of moisture averaged higher than a year earlier in most south central and far western states and lower in most southeastern and southwestern states. Distributions of percentages of moisture by specified frequencies and by states are shown in Tables 13 and 14, page 27.

Free Fatty Acids Remain At Record Low

The free fatty acid content of cottonseed oil averaged 0.7 percent in 1954-55. This is unchanged from last season's record low and compares with 1.0 percent in 1952-53. The percentage of free fatty acids averaged lower than a year earlier in most southeastern and southwestern states and higher in most south central and far western states. The sharpest increase over a year earlier occurred in Arizona and the sharpest decrease was in Georgia. Distributions of percentages of free fatty acids by specified frequencies and by states are shown in Tables 15 and 16, page 28.

Foreign Matter Slightly Higher

The average percentage of foreign matter in cottonseed graded in 1954-55 was 1.0 percent. This compares with 0.8 percent in 1953-54 and 0.9 in 1952-53. The foreign matter content of seed ranged from a low of 0.6 percent in Alabama and South Carolina to a high of 1.9 percent in New Mexico. Distributions of percentages of foreign matter by specified frequencies and by states are shown in Tables 17 and 18, page 29.

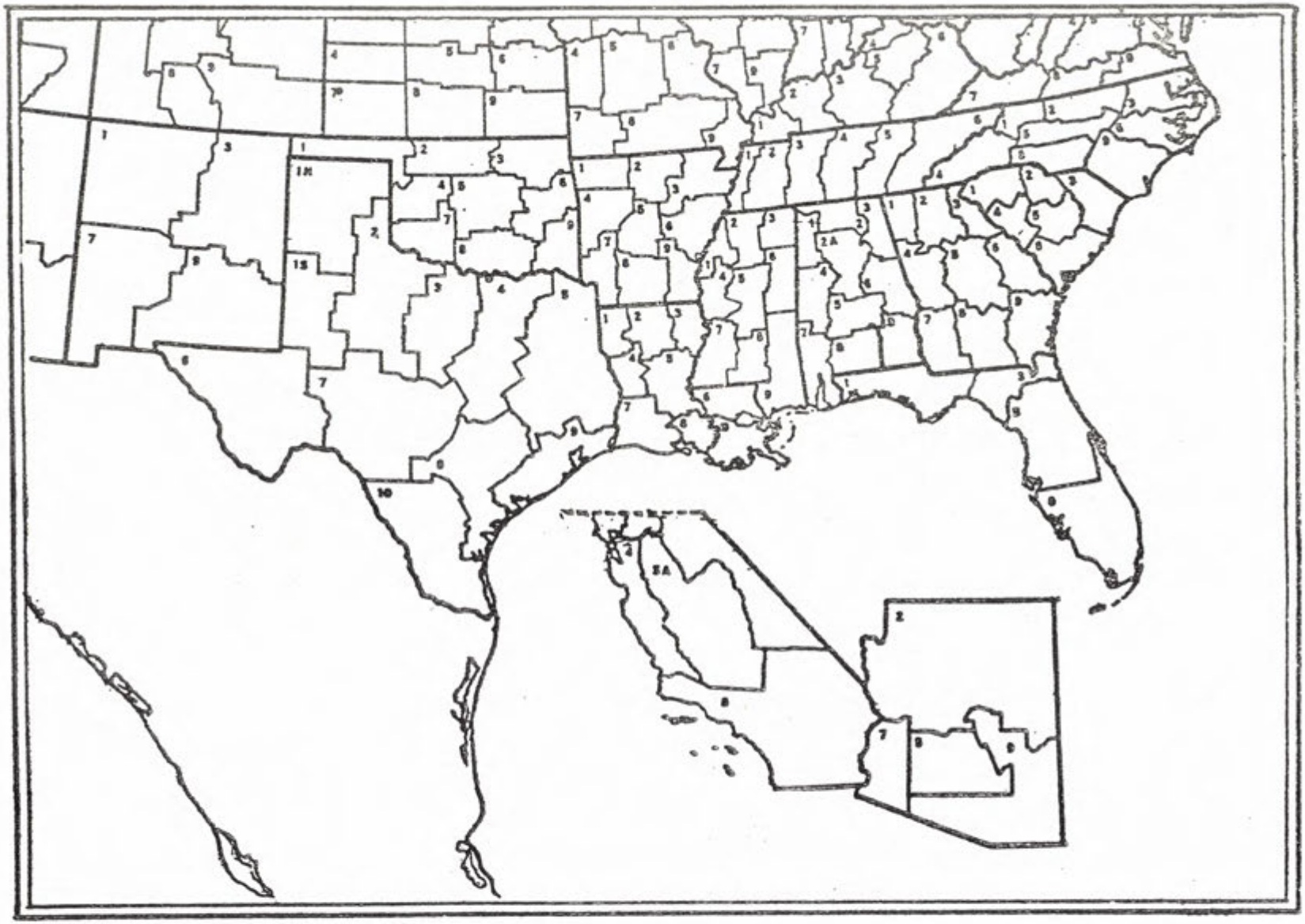
Number of Certificates by Qualities and Reductions

The total number of official cottonseed grade certificates issued in 1954-55 is stratified by specified quality groups and by states in Table 19, page 30. Included in this table is the number of samples reduced in grade due to excessive percentages of moisture, free fatty acids, and foreign matter. Some samples were reduced in grade for excessive percentages of more than one factor and the sum of the reductions could therefore be greater than the total number of samples tested in some states.

Table 2. Cottonseed: Production, deliveries to oil mills, and official certificates issued, by States and United States, 1953 and 1954

State	Production of cottonseed		Deliveries to oil mills		Certificates issued	
	1953	1954	1953	1954	1953	1954
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Number	Number
Alabama	377	297	350	275	11,324	6,682
Arizona	442	375	430	365	6,452	5,338
Arkansas	620	565	575	500	23,382	20,450
California	721	619	700	595	9,098	8,261
Florida	1/	1/	1/	1/	186	104
Georgia	307	255	285	235	7,411	4,139
Illinois	1/	1/	1/	1/	43	121
Kentucky	1/	1/	1/	1/	114	123
Louisiana	332	236	315	220	10,626	7,361
Mississippi	876	654	820	590	26,899	20,844
Missouri	190	197	175	180	6,319	6,410
N. Mexico	137	127	129	120	1,852	1,528
N. Carolina	185	155	165	135	6,894	4,643
Oklahoma	175	122	155	105	5,877	3,387
S. Carolina	287	215	260	195	8,058	5,769
Tennessee	279	223	260	205	10,037	7,806
Texas	1,797	1,640	1,690	1,520	32,051	25,884
Virginia	1/	1/	1/	1/	293	133
Other States 2/	23	22	21	20	-	-
U. S.	6,748	5,702	6,330	5,260	166,916	128,983

1/ Included in Other States.
2/ Illinois, Kansas, and Kentucky.



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, 1953-1954

State	Cottonseed analysis												Average index				Average grade	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign Matter		Quantity		Quality			
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
Upland	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.						
Ala.	18.3	17.8	3.98	4.27	-	12.1	9.5	8.4	0.8	0.5	0.5	0.6	102.15	101.65	99.5	99.9	101.5	101.5
Ariz.	19.7	19.5	3.96	4.02	-	12.6	6.5	7.1	.6	1.7	1.5	1.3	107.29	107.29	99.1	98.0	106.5	105.0
Ark.	19.0	17.8	3.99	4.13	-	10.8	8.7	10.0	.4	.6	.8	1.2	105.10	101.08	99.7	99.2	105.0	100.5
Calif.	18.8	19.1	3.80	3.84	-	13.9	10.0	9.4	.6	.7	.8	.8	103.05	104.46	99.3	99.0	102.5	103.5
Fla.	16.7	17.0	3.55	4.09	-	14.1	13.5	10.0	3.3	.9	.7	.4	93.95	97.30	90.4	99.7	85.0	97.0
Ga.	18.4	17.8	3.87	4.33	-	13.0	10.9	8.5	2.4	.6	.7	.5	101.68	101.99	94.8	99.8	96.5	102.0
Ill.	18.6	17.6	3.87	3.93	-	11.5	8.9	12.1	.5	.8	.6	1.6	102.68	98.69	99.7	97.9	102.5	96.5
Ky.	18.3	17.1	3.92	4.06	-	11.2	8.5	12.0	.4	.5	.7	1.1	101.58	97.52	99.8	98.7	101.5	96.5
La.	18.6	17.8	4.05	4.11	-	10.0	9.4	10.3	.8	1.1	.6	.7	103.86	100.95	99.1	98.0	103.0	99.0
Miss.	18.9	17.9	4.04	4.17	-	10.6	9.0	9.4	.6	.6	.5	.7	104.74	101.52	99.6	99.4	104.5	101.0
Mo.	18.8	17.7	3.93	4.03	-	11.7	8.5	11.5	.4	.6	.8	1.0	103.61	99.88	99.6	98.7	103.0	98.5
N. Mex.	19.9	20.6	3.70	3.75	-	11.2	7.7	8.0	.5	.5	2.2	1.9	106.96	110.06	98.6	98.9	105.5	109.0
N. C.	18.6	17.4	4.03	4.09	-	14.1	10.1	9.6	.8	.7	.6	.9	103.43	98.99	99.6	99.5	103.0	98.5
Okla.	17.5	17.7	4.20	4.21	-	11.7	9.4	8.0	.5	.4	.9	.8	99.93	100.80	99.7	99.8	99.5	100.5
S. C.	18.3	17.4	3.99	4.27	-	13.6	10.3	9.1	1.5	.6	.5	.6	102.16	100.09	97.9	99.7	100.0	100.0
Tenn.	19.3	18.3	3.91	4.14	-	10.9	8.8	10.3	.4	.4	.6	.8	105.80	103.00	99.8	99.6	105.5	102.5
Tex.	18.6	18.8	4.09	4.12	-	10.6	8.3	7.9	.8	.6	1.3	1.4	101.63	103.05	98.5	99.1	100.0	102.5
Va.	18.6	17.3	4.13	4.04	-	13.1	10.7	11.3	.7	.9	.7	1.0	104.13	98.32	100.0	99.0	104.0	97.5
All Upland	18.7	18.2	4.00	4.12	-	11.4	9.0	9.2	.7	.7	.8	1.0	103.46	102.08	99.0	99.2	103.0	101.5
American-Egyptian																		
Ariz.	22.2	21.6	3.92	3.99	-	3.7	7.0	6.7	.6	.8	4.4	4.0	94.72	96.65	96.6	96.6	91.5	93.5
N. Mex.	22.2	22.7	3.63	4.01	-	2.4	7.6	7.4	.8	1.0	3.4	3.4	92.18	95.36	97.6	97.7	90.0	93.0
Tex.	22.3	22.8	3.65	3.91	-	1.5	8.8	7.8	.9	1.1	4.1	3.0	92.58	97.53	96.8	96.9	89.5	95.5
All A-E	22.2	22.0	3.82	3.97	-	2.9	7.6	7.1	.7	.9	4.3	3.7	93.95	96.84	96.7	96.7	91.0	94.0
U. S.	18.7	18.2	4.00	4.12	-	11.4	9.0	9.2	0.7	0.7	0.8	1.0	103.46	102.07	99.0	99.2	102.5	101.5

Table 4. Quality factors, indexes, and grades for American-Egyptian cottonseed by specified periods and States, 1953-54. 1/

ARIZONA

Month	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.
Sept.	20.8	20.6	4.21	4.25	-	3.6	7.2	8.1	0.6	0.6	4.1	1.4	92.30	94.29	96.9	99.5	89.5	94.0	23	9
Oct.	22.1	21.5	4.09	4.16	-	4.1	6.3	6.9	.6	.7	4.0	3.0	96.84	98.60	97.0	97.9	94.0	96.5	88	54
Nov.	22.5	22.1	3.95	4.05	-	4.2	6.9	6.0	.5	.7	4.0	3.7	96.33	99.77	97.0	97.3	93.5	96.5	133	80
Dec.	22.2	21.7	3.84	3.90	-	3.2	7.1	6.6	.5	.7	4.1	4.0	94.17	95.83	96.9	97.0	91.5	93.0	156	95
Jan.	22.1	-	3.81	-	-	-	7.5	-	.7	-	5.4	-	92.78	-	95.6	-	88.5	-	107	-
Feb.	21.9	20.2	3.79	3.85	-	3.3	7.7	8.5	.7	1.0	5.9	5.8	92.26	90.04	95.1	95.1	87.5	85.5	28	20
Mar.-July	22.2	20.2	4.17	3.72	-	3.3	5.9	7.2	.9	1.7	4.0	8.9	99.06	88.42	97.1	85.4	96.0	81.5	4	15
Season	22.2	21.6	3.92	3.99	-	3.7	7.0	6.7	0.6	0.8	4.4	4.0	94.72	96.65	96.6	96.6	91.5	93.5	539	273
NEW MEXICO																				
Oct.	23.1	21.9	3.88	4.03	-	1.3	8.3	8.9	0.9	0.9	1.1	2.1	98.33	92.40	100.0	99.0	98.5	91.5	2	7
Nov.	23.3	22.8	3.70	4.06	-	2.6	8.0	6.7	.9	1.1	1.9	3.2	96.77	96.63	99.1	97.9	96.0	94.5	8	9
Dec.	22.6	23.2	3.58	3.97	-	4.0	7.8	6.9	.9	1.2	2.8	4.5	93.03	96.74	98.2	96.5	91.5	93.5	6	7
Jan.	21.6	23.7	3.58	3.75	-	1.2	6.9	5.5	.8	.6	4.4	3.2	89.93	97.80	96.6	97.8	87.0	95.5	11	1
Feb.	20.8	22.6	3.60	3.95	-	1.0	8.1	7.3	.7	1.0	4.9	4.8	87.27	93.95	96.1	96.2	84.0	90.5	6	2
Season	22.2	22.7	3.63	4.01	-	2.4	7.6	7.4	0.8	1.0	3.4	3.4	92.18	95.36	97.6	97.7	90.0	93.0	33	26
TEXAS																				
Sept.	-	23.9	-	3.84	-	1.5	-	8.1	-	1.0	-	1.8	-	99.74	-	99.3	-	99.0	-	2
Oct.	23.5	22.8	3.85	3.90	-	1.6	8.3	8.6	1.1	1.0	3.6	2.0	98.16	96.55	97.3	98.8	95.5	95.5	35	38
Nov.	22.9	23.2	3.72	3.94	-	1.7	9.3	7.5	.8	1.1	3.8	2.6	95.04	98.36	97.1	97.1	92.5	96.5	83	56
Dec.	22.6	22.9	3.61	3.94	-	1.2	8.4	7.1	.9	1.2	2.6	4.1	93.23	97.63	98.3	94.1	91.5	93.5	65	24
Jan.	21.3	23.1	3.52	3.82	-	.9	9.0	7.7	.9	1.3	5.1	5.4	88.12	95.18	95.9	95.6	84.5	91.0	52	6
Feb.	20.0	17.8	3.49	3.63	-	1.1	9.0	7.9	.8	.6	8.0	6.4	82.17	97.31	93.0	94.6	76.5	92.0	18	6
Mar.-July	19.2	22.7	3.43	3.95	-	1.7	8.4	7.2	.7	1.2	12.9	4.4	80.90	96.25	88.2	96.6	71.5	93.0	2	1
Season	22.3	22.8	3.65	3.91	-	1.5	8.8	7.8	0.9	1.1	4.1	3.0	92.58	97.53	96.8	96.9	89.5	95.5	255	133

1/ Linters not used in the determination of grade except in western sections of Texas and Oklahoma and all American-Egyptian.

Table 5. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1953-54 1/

ALABAMA

Month	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.
Aug.	17.5	17.6	3.62	4.19	-	12.6	14.7	10.0	1.0	0.7	0.4	0.4	96.33	100.47	96.6	99.5	93.0	100.0	633	535
Sept.	18.2	17.7	3.93	4.27	-	12.6	9.5	7.8	.8	.5	.5	.5	101.23	101.28	99.5	100.0	100.5	101.5	4,371	2,793
Oct.	18.5	18.0	4.04	4.29	-	11.5	9.1	8.6	.8	.5	.5	.5	103.51	102.67	99.8	99.9	103.5	102.5	4,016	2,274
Nov.	18.6	17.7	4.09	4.28	-	11.9	8.7	8.8	.7	.5	.7	.8	103.97	101.32	99.6	99.8	103.5	101.0	1,475	747
Dec.	18.3	17.5	4.02	4.27	-	11.9	9.2	9.2	.7	.6	.8	1.0	101.40	100.56	99.6	99.6	101.0	100.0	510	231
Jan.	18.2	17.1	4.02	4.24	-	12.3	9.5	9.8	.9	.7	.7	.9	102.01	98.80	99.4	99.5	101.5	98.5	170	37
Feb.	18.2	17.5	4.03	4.16	-	10.9	9.2	9.8	.8	.6	.7	2.0	102.11	99.76	99.7	98.9	102.0	99.0	94	9
Mar.-July	17.8	17.7	4.06	4.26	-	11.1	9.0	9.2	.9	.7	.9	1.5	101.13	101.37	99.4	99.2	100.5	100.5	55	56
Season	18.3	17.8	3.98	4.27	-	12.1	9.5	8.4	0.8	0.5	0.5	0.6	102.15	101.65	99.5	99.9	101.5	101.5	11,324	6,682
ARIZONA (Upland only)																				
Aug.	18.0	17.8	3.87	4.09	-	13.1	11.4	9.7	0.7	1.0	0.3	0.8	100.42	100.78	98.7	99.5	99.0	99.0	13	82
Sept.	19.0	19.0	3.95	4.05	-	12.8	8.2	9.0	.8	1.6	.9	.6	104.31	105.43	99.5	99.0	104.0	104.5	491	592
Oct.	20.1	19.8	3.95	4.02	-	12.8	6.3	7.3	.6	1.7	.9	.7	108.92	108.82	99.6	98.7	108.5	107.5	1,325	1,130
Nov.	20.1	20.3	3.97	4.07	-	12.8	6.5	6.0	.5	1.4	1.0	.9	109.03	110.71	99.6	99.1	108.5	110.0	1,544	1,312
Dec.	19.8	19.6	4.00	4.04	-	12.3	6.1	6.5	.4	1.4	1.3	1.4	107.70	107.69	99.5	98.8	107.0	106.5	1,304	987
Jan.	19.2	18.9	3.94	3.94	-	11.7	6.3	8.0	.8	2.0	2.6	2.3	105.43	103.00	98.2	96.5	103.5	99.5	731	438
Feb.	18.5	18.3	3.90	3.88	-	12.4	7.3	8.3	1.1	2.7	3.6	2.9	102.50	101.66	96.2	93.9	98.5	95.5	429	355
Mar.-July	18.5	18.1	3.89	3.94	-	12.7	6.7	6.7	1.6	3.7	5.2	5.3	102.34	100.93	94.2	86.9	96.5	88.0	76	169
Season	19.7	19.5	3.96	4.02	-	12.6	6.5	7.1	0.6	1.7	1.5	1.3	107.29	107.29	99.1	98.0	106.5	105.0	5,913	5,065

Table 5. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1953-54 (Continued)

ARKANSAS

Month	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.
Aug.	18.7	18.4	3.91	4.07	-	10.0	9.4	10.4	0.7	0.7	0.5	0.7	103.24	102.92	99.1	99.2	102.5	102.0	606	273
Sept.	18.7	17.9	4.07	4.20	-	11.2	8.6	8.5	.4	.5	.4	.5	104.43	102.00	99.9	99.9	104.5	102.0	4,262	5,796
Oct.	19.3	17.8	4.03	4.10	-	10.8	8.1	10.4	.4	.5	.5	.8	106.24	100.60	99.9	99.6	106.0	100.0	8,119	7,140
Nov.	19.3	17.9	4.00	4.14	-	10.6	8.2	10.5	.4	.5	.7	1.5	106.16	101.29	99.9	99.2	106.0	100.5	5,768	4,446
Dec.	18.8	17.7	3.86	4.12	-	10.8	10.2	10.8	.4	.9	1.3	2.6	103.30	100.61	99.4	97.9	102.5	99.0	2,507	1,738
Jan.	18.5	17.4	3.73	4.02	-	10.9	11.3	12.1	.5	1.3	2.1	3.4	101.12	98.84	98.3	95.9	99.5	95.0	976	479
Feb.	18.5	17.1	3.78	3.98	-	10.9	10.9	12.8	.8	2.1	2.5	4.1	101.74	96.91	98.2	92.7	100.0	90.0	666	243
Mar.-July	18.8	17.7	3.94	4.06	-	10.8	9.4	11.2	1.1	2.1	1.7	3.1	103.76	99.66	98.4	93.5	102.0	93.0	476	335
Season	19.0	17.8	3.99	4.13	-	10.8	8.7	10.0	0.4	0.6	0.8	1.2	105.10	101.08	99.7	99.2	105.0	100.5	23,382	20,450
CALIFORNIA																				
Aug.	18.2	18.7	4.15	4.00	-	14.0	8.6	7.9	0.4	0.5	0.3	1.2	102.87	103.99	99.9	99.3	103.0	103.0	14	9
Sept.	18.6	19.1	3.90	4.04	-	12.9	9.6	9.0	.5	.6	.5	.5	102.84	105.48	99.9	99.2	102.5	104.5	180	142
Oct.	19.5	19.8	3.93	3.95	-	13.2	8.0	7.7	.5	.5	.7	.6	106.92	108.37	99.8	100.0	106.5	108.0	1,482	1,649
Nov.	19.3	19.7	3.89	3.88	-	14.1	8.8	7.9	.5	.5	.6	.7	105.54	107.07	99.9	99.9	105.5	107.0	2,867	3,063
Dec.	18.7	18.6	3.73	3.78	-	13.9	11.7	11.2	.6	.5	.7	.7	102.02	102.22	99.2	99.3	101.0	101.5	2,535	1,728
Jan.	18.3	17.8	3.72	3.67	-	13.9	10.4	13.3	.7	.7	1.0	1.0	100.33	97.91	99.5	97.6	100.0	96.0	1,321	753
Feb.	17.0	17.6	3.54	3.67	-	14.2	13.0	12.0	1.1	1.4	1.9	1.5	93.86	97.23	96.9	97.1	91.0	94.5	439	518
Mar.-July	16.9	18.0	3.56	3.73	-	14.5	10.9	9.4	2.1	3.1	2.8	2.5	93.26	99.36	95.4	92.0	89.0	91.5	260	399
Season	18.8	19.1	3.80	3.84	-	13.9	10.0	9.4	0.6	0.7	0.8	0.8	103.05	104.46	99.3	99.0	102.5	103.5	9,098	8,261

Table 5. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1953-54. (Continued)

FLORIDA

Month	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.
Aug.	16.4	17.2	3.36	4.05	-	13.8	17.5	11.2	1.7	0.7	0.5	0.3	90.99	97.99	93.6	99.4	85.0	97.5	51	38
Sept.	16.9	16.8	3.61	4.13	-	14.7	12.4	9.6	3.3	.9	.7	.4	94.68	96.57	92.2	99.9	87.5	96.5	99	49
Oct.	16.4	16.9	3.57	4.06	-	13.6	11.0	9.1	4.9	1.0	1.0	.5	95.65	97.01	83.7	99.8	80.0	97.0	26	14
Nov.	16.5	16.2	3.77	4.19	-	14.8	10.2	8.3	9.6	.7	.9	.1	93.08	94.34	68.9	100.0	64.0	94.5	7	1
Dec.	17.1	18.6	3.75	4.30	-	7.1	11.1	5.3	8.5	1.7	1.0	.2	95.90	105.67	73.2	99.6	70.0	105.0	1	2
Jan.	20.8	-	3.91	-	-	-	11.3	-	2.1	-	.2	-	111.66	-	98.8	-	110.5	-	1	-
Feb.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar.-July	21.2	-	4.01	-	-	-	9.5	-	4.7	-	-	-	113.86	-	88.4	-	100.5	-	1	-
Season	16.7	17.0	3.55	4.09	-	14.1	13.5	10.0	3.3	0.9	0.7	0.4	93.95	97.30	90.4	99.7	85.0	97.0	186	104

GEORGIA

Aug.	18.1	17.6	3.63	4.46	-	13.0	13.5	9.0	1.3	0.7	0.5	0.5	99.02	101.16	97.5	99.8	96.5	101.0	978	933
Sept.	18.3	17.8	3.84	4.35	-	13.3	10.8	8.1	1.7	.6	.5	.5	101.25	102.18	97.1	99.8	98.5	102.0	2,594	1,744
Oct.	18.4	18.0	3.93	4.30	-	12.6	10.5	8.6	3.0	.6	.7	.5	102.37	102.68	92.9	99.9	95.0	102.5	2,367	967
Nov.	18.7	17.8	3.99	4.29	-	13.0	9.8	8.5	3.3	.7	.9	.7	103.54	102.06	91.6	99.8	95.0	102.0	900	255
Dec.	18.5	17.7	3.94	4.29	-	12.7	10.4	9.1	3.3	.7	1.0	.7	102.62	101.33	90.9	99.8	93.5	101.0	340	156
Jan.	18.3	17.5	3.96	4.22	-	12.7	10.4	9.4	2.9	1.0	1.0	.8	101.26	100.28	93.3	99.5	94.5	100.0	135	33
Feb.	18.5	17.7	4.00	4.34	-	12.7	9.7	8.7	2.6	.6	.7	.5	102.91	101.71	94.9	100.0	97.5	101.5	82	11
Mar.-July	18.3	17.5	4.06	4.24	-	12.3	10.0	10.0	1.9	.7	.8	.7	102.32	100.45	98.1	99.3	100.5	100.0	15	40
Season	18.4	17.8	3.87	4.33	-	13.0	10.9	8.5	2.4	0.6	0.7	0.5	101.68	101.99	94.8	99.8	96.5	102.0	7,411	4,139

Table 5. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1953-54 (Continued)

ILLINOIS

Month	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.
Aug.	19.3	-	3.99	-	-	-	8.5	-	0.7	-	0.7	-	106.14	-	100.0	-	106.0	-	1	-
Sept.	18.6	-	3.91	-	-	-	8.7	-	1.0	-	.7	-	102.66	-	98.7	-	101.5	-	7	-
Oct.	18.9	17.7	3.92	3.90	-	11.5	8.7	13.0	.4	0.4	.3	0.2	104.36	99.27	100.0	98.7	104.5	98.0	17	30
Nov.	18.7	17.6	3.84	4.01	-	11.3	9.1	11.4	.4	.5	.6	1.6	102.81	99.32	99.9	99.1	102.5	98.5	10	69
Dec.	17.9	17.0	3.82	3.70	-	12.0	6.3	13.5	.3	.9	.8	3.1	99.41	94.63	99.9	96.2	99.5	91.5	3	11
Jan.	17.5	16.9	3.64	3.73	-	12.3	11.9	14.3	.5	1.1	1.3	3.4	96.84	94.76	99.4	95.3	96.5	90.5	3	2
Feb.	18.1	17.4	3.70	3.60	-	12.4	10.3	14.1	.6	2.2	1.4	4.6	99.60	96.07	99.6	92.4	99.0	88.5	1	4
Mar.-July	17.6	18.0	4.07	3.70	-	12.5	9.4	12.1	.5	4.8	.7	3.1	99.82	99.03	100.0	84.6	100.0	84.0	1	5
Season	18.6	17.6	3.87	3.93	-	11.5	8.9	12.1	0.5	0.8	0.6	1.6	102.68	98.69	99.7	97.9	102.5	96.5	43	121
KENTUCKY																				
Sept.	18.3	17.4	4.02	4.09	-	11.4	8.3	10.8	0.5	0.5	0.4	0.3	102.50	98.78	100.0	99.9	102.5	99.0	36	34
Oct.	18.3	16.9	3.93	4.03	-	11.2	8.2	12.9	.4	.4	.5	.5	101.93	97.21	100.0	98.9	102.0	96.0	45	44
Nov.	18.4	17.3	3.85	4.09	-	11.0	8.5	11.9	.3	.5	.8	1.6	101.54	97.23	99.8	98.8	101.5	97.0	21	34
Dec.	17.7	17.0	3.69	4.02	-	11.3	10.2	12.8	.3	.9	2.5	4.3	97.99	95.27	98.4	95.8	96.5	91.0	11	10
Jan.	16.6	-	3.64	-	-	-	13.9	-	.3	-	2.7	-	93.24	-	96.4	-	90.0	-	1	-
Feb.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar.-July	-	18.1	-	3.83	-	11.6	-	11.6	-	8.5	-	2.9	-	100.38	-	71.3	-	71.5	-	1
Season	18.3	17.1	3.92	4.06	-	11.2	8.5	12.0	0.4	0.5	0.7	1.1	101.58	97.52	99.8	98.7	101.5	96.5	114	123

Table 5. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1953-54 (Continued)

LOUISIANA

Month	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.
Aug.	17.3	17.6	3.79	3.94	-	9.5	14.4	13.7	1.1	0.9	0.6	0.7	96.87	98.59	96.5	96.3	93.5	95.5	364	703
Sept.	18.4	18.1	3.98	4.15	-	10.1	10.6	9.0	1.3	.6	.6	.6	102.40	102.30	97.8	99.5	100.0	102.0	2,974	2,794
Oct.	19.1	17.7	4.08	4.09	-	10.0	8.0	10.8	.6	1.0	.5	.6	105.96	100.18	99.8	98.7	105.5	99.0	3,503	2,385
Nov.	18.7	17.7	4.11	4.16	-	9.9	8.6	10.7	.5	2.2	.6	.8	104.34	100.48	99.9	95.6	104.0	96.5	2,255	1,068
Dec.	18.4	17.8	4.06	4.18	-	9.9	9.8	10.0	.5	3.2	.7	1.2	103.03	101.74	99.8	91.8	103.0	93.0	959	303
Jan.	18.4	17.7	4.03	4.23	-	10.1	10.4	9.7	.6	2.8	.9	1.2	102.67	101.31	99.6	93.2	102.5	94.5	364	51
Feb.	18.4	17.8	3.99	4.21	-	10.4	10.3	9.6	1.1	2.3	1.1	1.8	102.56	101.29	98.5	94.4	101.0	94.0	116	22
Mar.-July	18.0	17.5	4.11	4.24	-	10.7	9.0	9.7	1.2	2.3	1.2	.8	101.57	100.33	97.5	95.1	99.0	95.5	91	35
Season	18.6	17.8	4.05	4.11	-	10.0	9.4	10.3	0.8	1.1	0.6	0.7	103.86	100.95	99.1	98.0	103.0	99.0	10,626	7,361
MISSISSIPPI																				
Aug.	17.7	17.9	3.86	4.10	-	10.6	13.7	9.8	1.0	0.6	0.5	0.4	99.10	101.03	97.6	99.9	96.5	101.0	540	852
Sept.	18.4	17.8	3.97	4.21	-	10.8	10.1	8.2	.7	.5	.4	.4	102.41	101.60	99.2	99.9	101.5	101.5	8,735	7,629
Oct.	19.3	17.9	4.08	4.15	-	10.6	8.1	9.9	.5	.5	.5	.5	106.67	101.49	99.9	99.7	106.5	101.5	9,587	6,833
Nov.	19.1	17.9	4.12	4.16	-	10.3	7.9	10.3	.4	.7	.6	1.0	106.21	101.81	99.8	98.9	106.0	100.5	4,863	3,464
Dec.	18.8	17.8	4.04	4.14	-	10.4	9.2	10.9	.5	1.1	.7	1.6	104.50	101.08	99.8	97.8	104.5	99.0	1,849	1,453
Jan.	18.6	17.6	4.00	4.09	-	10.4	10.1	11.3	.5	1.6	1.2	1.9	103.33	99.83	99.4	95.9	102.5	96.0	622	252
Feb.	18.6	17.9	4.01	4.14	-	10.4	10.2	10.7	.8	1.3	1.4	1.7	103.03	101.20	98.6	97.2	101.5	98.5	356	109
Mar.-July	18.7	17.9	4.01	4.14	-	10.7	9.7	9.9	1.1	1.5	1.1	1.5	103.79	101.30	98.3	96.9	102.0	98.0	347	252
Season	18.9	17.9	4.04	4.17	-	10.6	9.0	9.4	0.6	0.6	0.5	0.7	104.74	101.52	99.6	99.4	104.5	101.0	26,899	20,844

Table 5. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1953-54, (Continued)

MISSOURI

Month	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.
Aug.	17.7	18.5	3.81	3.94	-	10.5	9.3	9.1	2.6	2.1	4.9	2.4	97.99	102.56	90.3	95.2	88.5	99.0	18	14
Sept.	18.5	17.8	4.07	4.14	-	11.8	8.2	9.8	.5	.5	.5	.4	103.59	101.11	99.8	99.9	103.5	101.0	1,831	1,864
Oct.	18.9	17.6	3.96	4.00	-	11.6	8.1	12.4	.4	.4	.5	.5	104.52	99.55	99.9	99.0	104.5	98.5	2,466	2,304
Nov.	19.0	17.7	3.86	4.02	-	11.7	8.5	11.6	.4	.5	.9	1.5	104.29	100.00	99.8	99.0	104.0	99.0	1,212	1,372
Dec.	18.4	17.4	3.66	3.91	-	12.0	10.8	12.4	.4	.8	1.9	2.7	100.50	98.15	98.7	97.2	99.0	96.0	432	499
Jan.	18.0	17.1	3.55	3.77	-	12.2	11.8	14.7	.5	1.4	2.7	3.4	98.28	95.71	97.8	94.4	96.0	90.5	189	136
Feb.	18.1	17.5	3.59	3.77	-	12.5	11.4	13.6	.9	2.0	3.3	3.7	99.00	97.57	97.0	93.6	96.0	91.5	102	102
Mar.-July	18.6	17.8	3.76	3.90	-	12.0	9.8	12.1	1.2	3.5	3.5	3.0	101.68	99.64	96.2	88.9	98.0	89.0	69	119
Season	18.8	17.7	3.93	4.03	-	11.7	8.5	11.5	0.4	0.6	0.8	1.0	103.61	99.88	99.6	98.7	103.0	99.0	6,319	6,410
NEW MEXICO (Upland only)																				
Aug.	19.6	-	4.37	-	-	-	7.2	-	1.5	-	8.8	-	110.12	-	92.2	-	101.5	-	1	-
Sept.	21.2	21.8	3.75	3.75	-	10.4	7.0	7.7	.6	0.5	.7	1.0	113.40	115.10	99.9	99.7	113.5	114.0	72	138
Oct.	21.1	21.0	3.74	3.70	-	11.0	7.2	8.9	.5	.5	.9	1.0	112.00	111.39	99.9	99.8	112.0	111.0	596	497
Nov.	19.7	20.7	3.69	3.80	-	11.4	8.3	7.6	.4	.4	1.5	1.6	106.23	110.73	99.3	99.4	105.5	110.0	568	513
Dec.	19.3	19.9	3.70	3.76	-	11.2	7.6	7.1	.5	.6	3.4	3.4	103.93	106.97	97.4	96.7	101.0	104.5	320	236
Jan.	18.2	18.9	3.60	3.72	-	11.3	7.8	7.6	.7	.7	4.9	4.3	99.07	102.68	96.0	96.7	95.0	99.5	197	57
Feb.	17.8	18.0	3.58	3.67	-	11.8	7.4	8.5	.8	1.0	6.4	5.6	97.44	99.14	92.8	95.2	90.5	94.5	51	43
Mar.-July	18.3	19.0	3.94	3.75	-	12.0	6.9	6.8	1.9	.9	6.5	5.1	103.07	105.20	91.5	95.9	94.5	101.0	14	18
Season	19.9	20.6	3.70	3.75	-	11.2	7.7	8.0	0.5	0.5	2.2	1.9	106.96	110.06	98.6	98.9	105.5	109.0	1,819	1,502

Table 5. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1953-54, (Continued)

NORTH CAROLINA

Month	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.
Aug.	17.3	17.6	3.79	4.30	-	13.2	12.0	9.2	3.0	1.8	0.5	0.3	96.57	101.00	92.0	97.8	89.0	98.5	37	22
Sept.	18.6	17.2	4.03	4.11	-	14.3	9.6	9.1	.7	.6	.5	.5	103.76	98.27	99.6	99.8	103.5	98.0	2,173	1,275
Oct.	18.6	17.6	4.02	4.10	-	14.0	10.4	9.2	.7	.6	.5	.7	103.46	99.85	99.8	99.8	103.5	99.5	2,802	2,017
Nov.	18.5	17.4	4.05	4.07	-	14.0	9.9	10.1	.9	.6	.6	1.1	103.58	99.14	99.7	99.5	103.5	98.5	1,251	791
Dec.	18.2	17.2	3.98	3.99	-	14.1	10.4	11.5	1.0	1.3	.8	1.9	102.16	97.20	99.3	98.1	101.5	94.5	449	324
Jan.	18.3	17.2	4.00	4.01	-	14.6	10.6	10.8	1.8	1.4	.9	2.0	102.31	97.06	98.1	97.1	100.5	95.0	81	164
Feb.	18.0	17.2	4.02	4.03	-	14.1	10.3	10.5	1.3	2.1	1.3	1.3	101.88	97.89	98.5	95.6	100.5	94.0	52	24
Mar.-July	18.5	17.0	4.00	3.99	-	14.4	10.2	10.7	1.7	3.0	1.3	1.7	103.16	96.88	96.2	93.5	99.0	90.5	49	26
Season	18.6	17.4	4.03	4.09	-	14.1	10.1	9.6	0.8	0.7	0.6	0.9	103.43	98.99	99.6	99.5	103.0	98.5	6,894	4,643
OKLAHOMA																				
Aug.	16.6	-	4.30	-	-	-	8.5	-	1.0	-	1.5	-	96.78	-	99.5	-	96.5	-	7	-
Sept.	17.9	17.4	4.29	4.32	-	11.7	8.0	7.0	.4	0.4	.7	0.7	102.28	100.33	100.0	99.9	102.5	100.5	507	559
Oct.	17.6	17.6	4.25	4.20	-	11.6	8.2	8.2	.4	.4	.8	.6	100.97	100.72	99.7	99.9	100.5	100.5	2,440	1,373
Nov.	17.1	17.9	4.12	4.18	-	11.8	11.1	8.2	.5	.4	.9	.8	97.82	101.23	99.6	99.9	97.5	101.0	1,592	1,024
Dec.	17.5	17.8	4.17	4.17	-	12.1	10.2	7.8	.5	.6	1.2	1.2	99.86	101.30	99.7	99.6	99.5	101.0	900	308
Jan.	17.4	17.5	4.13	4.14	-	12.0	9.6	8.7	.6	.6	1.5	1.4	99.43	99.63	99.4	99.5	99.0	99.0	301	71
Feb.	17.1	17.1	4.23	4.04	-	12.8	9.2	8.7	.7	.9	1.8	2.0	99.11	97.54	99.2	98.4	98.5	96.0	77	36
Mar.-July	17.2	17.5	4.24	4.17	-	12.8	9.2	8.7	1.0	1.0	2.0	2.0	98.55	99.89	98.7	98.4	97.5	98.0	53	16
Season	17.5	17.7	4.20	4.21	-	11.7	9.4	8.0	0.5	0.4	0.9	0.8	99.93	100.80	99.7	99.8	99.5	100.5	5,877	3,387

Table 5. Cottonseed: Quality factors, indexes, and grades, by specified periods and States 1953-54 (Continued)

SOUTH CAROLINA

Month	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.
Aug.	17.8	17.6	3.75	4.36	-	12.5	14.0	9.6	1.2	0.5	0.4	0.4	98.67	101.40	97.1	99.9	96.0	101.5	663	530
Sept.	18.4	17.4	3.98	4.32	-	13.6	10.1	8.5	.8	.4	.4	.4	102.54	100.30	99.7	100.0	102.0	100.5	3,086	2,109
Oct.	18.3	17.5	4.02	4.24	-	13.8	10.0	8.9	1.7	.5	.5	.5	102.60	100.29	98.0	99.9	100.5	100.0	2,452	1,741
Nov.	18.4	17.3	4.07	4.19	-	14.0	9.6	9.8	2.4	.9	.6	.9	102.92	99.11	96.0	99.2	99.0	98.5	1,062	787
Dec.	18.1	17.2	4.00	4.22	-	14.0	10.1	10.2	2.8	1.1	.7	1.0	101.04	99.06	94.1	98.8	95.0	98.0	477	380
Jan.	18.0	17.1	3.93	4.23	-	13.8	10.5	10.2	3.2	1.2	.9	.8	101.09	98.70	93.2	98.8	94.0	100.0	196	138
Feb.	18.1	17.7	4.04	4.23	-	13.7	10.0	9.0	3.0	.9	1.2	.6	101.72	101.16	92.5	99.6	94.0	101.0	77	16
Mar.-July	18.3	16.9	4.09	4.26	-	14.3	9.3	9.0	2.5	.5	.7	.6	102.54	98.11	94.4	99.9	97.0	98.0	45	68
Season	18.3	17.4	3.99	4.27	-	13.6	10.3	9.1	1.5	0.6	0.5	0.6	102.16	100.09	97.9	99.7	100.0	100.0	8,058	5,769
TENNESSEE																				
Aug.	18.2	18.6	3.89	3.82	-	10.7	8.9	10.3	2.9	1.7	1.9	4.2	101.04	102.29	92.7	94.1	93.5	96.5	13	15
Sept.	19.1	18.4	4.01	4.15	-	11.2	8.8	9.2	.5	.4	.3	.4	105.33	103.61	99.9	99.9	105.0	103.5	2,365	2,433
Oct.	19.5	18.3	3.95	4.13	-	10.8	8.4	10.7	.4	.4	.4	.5	106.61	103.11	100.0	99.8	106.5	103.0	3,908	3,036
Nov.	19.6	18.2	3.87	4.17	-	10.7	8.3	10.6	.4	.4	.7	1.2	106.69	102.78	99.8	99.5	106.5	102.5	2,324	1,673
Dec.	19.0	17.9	3.73	4.11	-	10.9	10.5	11.2	.4	.5	1.4	2.0	103.31	101.02	99.3	98.7	102.5	100.0	949	544
Jan.	18.6	17.5	3.65	4.02	-	11.1	11.5	12.7	.4	.9	1.9	2.6	101.41	99.19	98.7	96.9	100.0	96.0	281	54
Feb.	18.7	17.3	3.71	4.15	-	11.0	11.1	11.5	.8	1.1	1.9	3.2	102.12	101.64	98.4	96.4	100.5	97.0	109	28
Mar.-July	19.0	17.9	3.91	4.07	-	10.9	9.7	10.5	1.1	1.1	1.6	2.8	104.36	100.67	97.0	97.0	101.0	98.0	88	23
Season	19.3	18.3	3.91	4.14	-	10.9	8.8	10.3	0.4	0.4	0.6	0.8	105.80	103.00	99.8	99.6	105.5	102.5	10,037	7,806

Table 5. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1953-54 (Continued)

TEXAS (Upland only)

Month	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.
Aug.	17.9	18.0	4.15	4.20	-	11.9	8.4	8.0	0.7	0.7	0.6	0.6	101.14	102.29	99.7	99.8	101.0	102.0	1,537	2,462
Sept.	17.9	18.0	4.12	4.23	-	11.8	8.1	7.0	1.9	.6	.8	.9	101.08	101.78	95.3	99.6	96.5	101.5	3,653	3,509
Oct.	18.9	19.0	4.13	4.12	-	10.9	7.3	8.1	.7	.5	.9	.8	104.45	104.55	98.7	99.8	103.0	104.5	8,523	6,314
Nov.	18.4	19.6	4.03	4.12	-	10.0	9.5	7.5	.5	.5	1.1	1.3	101.19	105.45	99.5	99.4	100.5	105.0	7,213	6,280
Dec.	18.9	19.1	4.07	4.07	-	9.4	8.2	7.0	.6	.6	2.2	2.6	99.84	101.56	98.5	98.0	98.5	100.0	6,642	3,866
Jan.	18.5	18.1	4.06	3.99	-	9.7	8.0	8.2	.9	.8	2.6	3.4	98.97	97.33	98.1	97.4	97.0	95.0	1,976	888
Feb.	18.2	17.5	4.04	3.94	-	9.9	8.1	8.3	.9	.9	2.3	3.5	99.46	95.28	98.3	97.4	98.0	93.0	648	565
Mar.-July	18.4	18.3	4.10	4.02	-	10.5	8.6	11.2	.7	.7	1.0	1.1	101.89	101.41	99.2	98.2	101.0	100.0	1,604	1,867
Season	18.6	18.8	4.09	4.12	-	10.6	8.3	7.9	0.8	0.6	1.3	1.4	101.63	103.05	98.5	99.1	100.0	102.5	31,796	25,751
VIRGINIA																				
Sept.	18.9	16.8	4.19	3.98	-	12.7	10.4	12.9	0.7	1.2	0.7	0.8	105.79	96.01	99.3	98.2	105.0	94.5	71	12
Oct.	18.7	17.1	4.11	4.02	-	13.2	10.9	11.7	.7	.9	.6	.7	104.47	97.24	100.5	98.7	105.0	96.0	146	59
Nov.	18.2	17.7	4.14	4.09	-	13.2	10.7	10.3	.6	.6	.7	.8	102.78	100.49	99.8	99.9	102.5	100.5	44	38
Dec.	17.9	17.2	4.13	4.03	-	12.9	11.1	11.4	.7	.6	.8	1.8	101.41	98.10	99.8	98.9	101.0	97.0	16	14
Jan.	17.6	17.7	4.04	4.16	-	12.5	11.8	10.4	1.0	.8	1.1	1.8	99.77	100.65	99.3	99.1	99.0	99.5	6	4
Feb.	17.7	-	4.04	-	-	-	10.5	-	1.0	-	1.2	-	99.89	-	99.6	-	99.5	-	5	-
Mar.-July	17.9	17.3	4.06	4.04	-	12.5	9.3	11.0	1.2	1.7	1.1	2.5	101.06	98.66	98.8	97.4	100.0	96.0	5	6
Season	18.6	17.3	4.13	4.04	-	13.1	10.7	11.3	0.7	0.9	0.7	1.0	104.13	98.32	100.0	99.0	104.0	97.5	293	133

1/ Linters not used in the determination of grade except in western sections of Texas and Oklahoma and all American-Egyptian.

Table 6. Cottonseed: Quality factors, indexes, and grades, by crop-reporting districts and States, 1953-54 1/

ALABAMA

Dist. No.	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.
1	18.6	17.9	4.05	4.26	-	11.3	8.3	8.5	0.5	0.5	0.6	0.6	103.56	102.20	99.9	99.9	103.5	102.0	695	518
2	18.7	18.2	4.11	4.31	-	11.2	8.4	8.4	.5	.5	.5	.6	104.55	103.82	99.9	99.9	104.5	104.0	4,310	2,895
3	18.8	18.3	4.04	4.29	-	11.2	9.5	8.9	.5	.5	.5	.4	104.35	104.12	99.9	100.0	104.0	104.0	1,139	644
4	18.5	17.0	3.87	4.27	-	12.3	9.4	7.8	.6	.5	.5	.5	102.41	98.65	99.8	100.0	102.0	98.5	1,083	426
5	17.7	16.8	3.95	4.30	-	13.5	9.9	7.6	.9	.6	.6	.6	99.65	97.80	99.6	99.9	99.5	98.0	1,166	512
6	18.5	17.4	3.93	4.24	-	13.3	10.4	8.4	.7	.6	.3	.4	102.13	99.81	99.7	99.9	102.0	100.0	653	466
7	17.9	17.0	3.76	4.14	-	12.8	11.3	8.5	1.4	.5	.4	.4	99.18	97.68	98.5	100.0	97.5	97.5	171	99
8	17.5	17.0	3.76	4.16	-	13.9	11.7	8.3	1.5	.7	.7	.6	97.50	97.80	98.0	99.8	95.5	97.5	1,019	620
9	17.3	17.3	3.75	4.16	-	13.7	11.8	9.2	1.4	.7	.6	.5	96.71	99.17	97.8	99.4	94.5	98.5	1,088	502
State	18.3	17.8	3.98	4.27	-	12.1	9.5	8.4	0.8	0.5	0.5	0.6	102.15	101.65	99.5	99.9	101.5	101.5	11,324	6,682

ARKANSAS

1	19.4	-	3.84	-	-	-	8.2	-	0.5	-	-	-	105.64	-	100.0	-	105.5	-	1	-
2	18.7	16.9	4.16	4.28	-	11.2	8.9	8.4	.4	0.5	1.2	1.1	105.17	98.11	99.1	99.6	104.0	98.0	165	95
3	19.0	17.8	3.93	4.11	-	10.9	8.7	10.5	.4	.5	.8	1.2	104.41	100.68	99.6	99.2	104.0	100.0	9,409	8,335
4	18.9	17.2	4.11	4.19	-	10.9	8.3	8.9	.5	.6	.8	1.4	105.16	98.79	99.6	99.4	104.5	98.5	316	289
5	18.7	17.2	4.23	4.18	-	10.5	8.3	9.6	.4	1.0	.7	1.5	105.07	98.95	99.9	98.3	105.0	97.0	410	517
6	19.1	18.1	4.00	4.15	-	10.9	8.8	9.7	.4	.5	.7	1.0	105.48	102.10	99.7	99.3	105.0	101.5	8,738	7,957
7	19.4	17.7	3.89	4.17	-	10.8	8.8	8.1	.4	.6	.6	1.1	106.35	100.60	99.9	99.3	106.0	100.5	445	400
8	19.0	17.1	3.99	4.17	-	11.7	8.1	8.3	.4	.6	.5	1.3	104.73	98.17	100.0	99.3	104.5	97.5	424	302
9	19.1	17.7	4.07	4.12	-	10.4	8.5	10.2	.4	.8	.8	1.2	105.92	100.40	99.8	99.0	105.5	99.5	3,474	2,555
State	19.0	17.8	3.99	4.13	-	10.8	8.7	10.0	0.4	0.6	0.8	1.2	105.10	101.08	99.7	99.2	105.0	100.5	23,362	20,450

Table 6. Cottonseed: Quality factors, indexes, and grades, by crop-reporting districts and States, 1953-54 (Continued)

GEORGIA

Dist. No.	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.
1	19.0	18.7	3.96	4.19	-	11.6	9.9	9.2	0.6	0.5	0.6	0.5	104.96	104.85	99.8	100.0	105.0	105.0	681	370
2	18.6	18.2	4.04	4.30	-	12.6	10.3	8.7	.7	.6	.3	.3	103.48	103.65	99.8	100.0	103.5	103.5	350	190
3	18.6	18.1	4.09	4.31	-	12.3	9.8	8.5	.6	.4	.2	.2	103.79	103.38	99.9	100.0	103.5	103.5	393	202
4	19.0	18.0	3.90	4.32	-	12.9	10.5	8.3	1.4	.6	.5	.5	104.06	103.09	98.2	99.9	102.0	103.0	714	345
5	18.2	17.8	3.88	4.36	-	13.0	10.7	8.3	2.1	.6	.7	.5	101.07	102.15	96.2	99.9	97.0	102.0	1,383	747
6	18.3	17.4	3.91	4.36	-	13.4	10.7	8.3	1.9	.6	.7	.6	101.90	100.53	96.5	99.9	98.5	100.5	1,608	841
7	17.7	17.7	3.75	4.32	-	13.4	11.6	8.7	2.4	.7	.8	.6	98.04	101.43	95.2	99.8	93.5	101.5	624	445
8	18.1	17.6	3.73	4.37	-	13.2	11.9	8.5	5.0	.8	1.0	.7	99.96	101.63	85.3	99.6	85.5	101.5	1,308	851
9	18.4	17.3	3.66	4.35	-	13.8	11.9	8.7	4.4	.6	.7	.5	100.55	99.57	88.3	99.9	89.0	100.0	350	148
State	18.4	17.8	3.87	4.33	-	13.0	10.9	8.5	2.4	0.6	0.7	0.5	101.68	101.99	94.8	99.8	96.5	102.0	7,411	4,139

LOUISIANA

1	18.7	17.3	4.19	4.29	-	10.1	8.5	8.3	0.5	0.5	0.5	0.5	105.02	99.90	99.9	99.5	105.0	99.5	1,738	982
2	18.5	17.3	4.07	4.24	-	10.4	9.1	8.8	.5	.5	.5	.7	103.27	99.50	99.8	99.8	103.0	99.0	603	460
3	18.8	17.8	4.13	4.18	-	9.9	8.6	9.7	.5	.8	.5	.6	104.95	101.10	99.8	99.3	104.5	100.5	4,427	2,716
4	18.9	17.6	4.09	4.26	-	10.3	8.7	8.7	.6	.7	.7	.6	105.33	100.77	99.7	99.3	105.0	100.0	738	403
5	18.4	18.3	3.85	3.97	-	9.7	11.0	12.0	1.3	1.8	.7	.7	101.74	101.87	98.1	95.8	100.0	98.0	2,505	2,391
6	18.6	17.7	3.64	3.86	-	10.5	11.9	12.2	2.2	2.6	.5	.5	100.81	99.14	95.3	94.4	96.0	93.5	339	144
7	16.2	17.5	3.86	3.99	-	10.2	14.3	12.0	2.6	1.5	.7	.8	92.87	98.91	92.0	95.5	85.5	96.5	37	80
8	18.0	17.7	3.93	3.87	-	9.9	11.4	14.3	2.3	1.7	.6	.5	100.58	98.59	94.0	95.1	94.5	94.5	213	175
9	18.1	18.5	3.72	3.85	-	9.6	11.1	11.9	2.9	4.0	.7	.7	98.02	102.11	94.3	89.9	92.5	91.5	26	10
State	18.6	17.8	4.05	4.11	-	10.0	9.4	10.3	0.8	1.1	0.6	0.7	103.86	100.95	99.1	98.0	103.0	99.0	10,626	7,361

Table 6. Cottonseed: Quality factors, indexes, and grades, by crop-reporting districts and States, 1953-54 (Continued)

MISSISSIPPI

Dist. No.	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.
1	18.8	18.0	4.10	4.21	-	10.4	8.8	9.5	0.4	0.5	0.7	0.8	104.91	102.21	99.8	99.6	104.5	102.0	4,757	4,365
2	19.0	18.1	3.99	4.16	-	10.5	8.6	9.7	.4	.5	.5	.8	104.89	102.21	99.9	99.6	105.0	102.0	3,450	3,149
3	19.2	18.1	3.99	4.16	-	10.7	8.6	8.9	.4	.4	.4	.6	105.89	102.36	100.0	99.9	106.0	102.5	1,994	1,704
4	18.8	18.1	4.18	4.16	-	10.5	8.7	9.7	.5	.6	.6	.7	105.56	102.28	99.7	99.5	105.0	102.0	7,500	4,711
5	18.8	17.7	4.02	4.22	-	10.8	9.1	8.9	.5	.5	.4	.5	104.35	101.02	99.6	99.9	104.0	101.0	3,418	2,359
6	18.4	17.4	4.03	4.22	-	10.8	8.8	8.4	.5	.5	.5	.6	103.09	99.97	99.8	99.8	103.0	100.0	1,501	1,170
7	19.1	17.6	3.89	4.09	-	10.4	9.8	10.5	.8	1.7	.5	.6	104.66	100.13	99.1	96.6	103.5	96.5	1,528	1,181
8	18.9	17.5	3.71	4.07	-	11.0	10.8	9.4	1.5	1.0	.5	.6	102.78	99.29	97.7	98.9	100.5	98.0	1,895	1,521
9	18.6	17.2	3.81	4.11	-	11.8	10.4	8.6	1.2	.6	.5	.5	102.31	98.21	98.8	99.7	101.0	98.0	856	684
State	18.9	17.9	4.04	4.17	-	10.6	9.0	9.4	0.6	0.6	0.5	0.7	104.74	101.52	99.6	99.4	104.5	101.0	26,899	20,844
NORTH CAROLINA																				
2	18.5	17.6	4.03	4.04	-	13.1	9.8	10.4	0.8	0.8	0.5	0.8	103.15	99.63	99.8	99.4	103.0	98.5	337	196
3	18.9	17.2	3.98	4.02	-	13.8	10.3	10.8	.8	.9	.7	1.3	104.34	97.68	99.5	98.9	104.0	96.0	1,481	870
4	19.3	18.9	4.08	4.15	-	12.1	9.5	7.8	.5	.3	.4	.4	106.46	105.71	100.0	100.0	106.5	105.5	104	87
5	18.4	18.0	4.16	4.10	-	13.0	9.9	9.4	.6	.6	.4	.4	103.93	101.61	99.6	99.8	103.5	101.5	398	318
6	18.3	17.0	3.94	3.97	-	15.3	10.0	9.8	.8	.9	.7	1.2	101.96	96.41	99.7	99.4	101.5	96.0	1,164	799
8	18.7	18.2	4.17	4.27	-	12.7	10.5	8.6	.6	.4	.3	.4	104.66	103.37	99.6	100.0	104.0	103.5	1,345	875
9	18.4	17.1	3.98	4.08	-	14.8	9.8	9.3	1.0	.7	.6	.8	102.59	97.54	99.5	99.4	102.0	97.0	2,065	1,498
State	18.6	17.4	4.03	4.09	-	14.1	10.1	9.6	0.8	0.7	0.6	0.9	103.43	98.99	99.6	99.5	103.0	98.5	6,894	4,643

Table 6. Cottonseed: Quality factors, indexes, and grades, by crop-reporting districts and States, 1953-54 (continued)

OKLAHOMA

Dist. No.	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.
2	16.7	16.9	4.25	4.33	-	10.6	15.0	9.3	2.0	0.5	3.8	1.2	97.01	98.58	86.0	99.8	83.5	98.5	14	3
3	17.9	17.4	4.16	4.34	-	10.6	9.3	8.6	.4	.5	1.0	.8	101.89	100.54	99.7	99.9	101.5	100.5	176	80
4	17.2	18.0	4.26	4.28	-	11.3	9.3	7.8	.5	.4	1.1	.8	98.84	102.11	99.6	99.8	98.5	102.5	1,109	688
5	17.5	17.1	4.19	4.25	-	11.5	9.5	8.0	.4	.4	1.0	.8	99.86	98.73	99.7	99.9	99.5	98.5	612	310
6	18.1	17.2	4.00	4.21	-	10.9	10.1	8.3	.5	.5	1.0	1.2	101.60	99.04	99.8	99.6	101.5	98.5	841	425
7	17.2	17.9	4.27	4.15	-	12.4	9.1	7.9	.4	.4	.7	.7	99.26	101.46	99.8	99.9	99.0	101.5	2,407	1,486
8	17.8	17.3	4.14	4.26	-	11.6	9.3	8.0	.5	.4	1.1	.7	101.04	99.86	99.5	99.9	100.5	99.0	622	332
9	19.0	17.2	3.89	4.15	-	10.7	9.3	9.1	.4	.6	.8	1.4	104.59	98.57	99.9	99.5	104.5	98.0	96	63
State	17.5	17.7	4.20	4.21	-	11.7	9.4	8.0	0.5	0.4	0.9	0.8	99.93	100.80	99.7	99.8	99.5	100.5	5,877	3,387

SOUTH CAROLINA

1	18.4	18.3	4.11	4.24	-	12.5	9.7	8.1	0.5	0.4	0.3	0.4	103.35	103.85	99.8	100.0	103.0	104.0	725	518
2	18.5	17.9	4.17	4.25	-	13.2	10.2	8.6	.7	.3	.4	.4	103.93	101.98	99.7	100.0	103.5	102.0	593	441
3	18.4	17.2	4.01	4.27	-	13.9	9.9	9.3	1.8	.7	.6	.7	102.80	99.07	97.3	99.4	100.0	99.0	2,395	1,922
4	18.2	17.6	4.01	4.25	-	13.5	10.1	8.6	.9	.4	.4	.5	102.06	100.75	99.6	99.9	101.5	100.5	948	372
5	18.2	17.4	3.93	4.30	-	13.7	10.6	9.1	1.8	.6	.5	.5	101.22	100.37	97.0	99.8	98.0	100.0	2,502	1,856
8	18.2	16.8	3.85	4.26	-	13.9	11.5	9.5	1.7	.5	.6	.5	101.02	97.72	97.3	99.9	98.5	98.0	895	660
State	18.3	17.4	3.99	4.27	-	13.6	10.3	9.1	1.5	0.6	0.5	0.6	102.16	100.09	97.9	99.7	100.0	100.0	8,058	5,769

Table 6. Cottonseed: Quality factors, indexes, and grades, by crop reporting districts and States, 1953-54. (Continued)

TENNESSEE

Dist. No.	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.
1	19.2	18.2	3.84	4.10	-	11.0	9.1	10.7	0.4	0.5	0.6	0.7	105.01	102.34	99.7	99.5	104.5	102.0	4,208	3,185
2	19.5	18.4	3.94	4.16	-	10.8	8.6	10.1	.4	.4	.6	.8	106.79	103.67	99.8	99.7	106.5	103.5	4,884	3,966
3	18.9	17.9	4.16	4.25	-	10.8	8.3	9.6	.4	.4	.6	.8	105.02	102.02	99.9	99.8	105.0	102.0	382	331
4	18.5	18.0	4.09	4.30	-	10.8	8.6	9.2	.5	.4	.5	.8	103.73	102.58	99.9	99.8	103.5	101.5	460	228
5	18.5	18.0	4.03	4.24	-	10.9	9.1	9.8	.5	.5	.5	.7	103.27	102.68	99.9	99.9	103.0	102.5	77	79
6	18.4	17.4	3.98	4.20	-	12.1	9.8	8.9	.5	.6	.8	.9	102.48	99.70	99.9	100.0	102.5	99.0	26	17
State	19.3	18.3	3.91	4.14	-	10.9	8.8	10.3	0.4	0.4	0.6	0.8	105.80	103.00	99.8	99.6	105.5	102.5	10,037	7,806

TEXAS (Upland only)

1	19.3	19.5	4.04	4.11	-	9.2	8.3	7.7	0.6	0.6	2.0	1.9	100.50	103.16	98.8	98.9	99.5	102.0	11,330	11,886
2	17.7	18.3	4.19	4.20	-	11.6	8.8	7.4	.6	.5	1.0	.8	100.55	104.39	99.6	99.7	100.0	104.0	5,032	3,974
3	17.7	17.1	4.16	4.17	-	12.4	8.7	8.1	.6	.5	.8	.7	101.37	99.61	99.7	99.7	101.0	99.0	445	252
4	18.0	17.0	4.20	4.23	-	12.9	7.8	7.1	.5	.5	.9	.9	101.97	97.99	99.6	99.6	101.5	98.0	7,033	2,369
5	18.7	17.6	3.96	4.18	-	11.8	8.2	7.7	.9	.5	.9	.9	103.50	100.62	98.7	99.8	102.0	100.5	2,068	919
6	21.0	21.0	3.64	3.74	-	11.4	7.1	7.3	.5	.5	1.7	2.0	110.86	111.84	97.7	98.2	108.5	110.5	1,747	1,587
7	17.3	17.3	4.26	4.23	-	12.3	8.4	7.3	.7	.6	.8	.6	100.75	102.64	99.6	99.9	100.5	102.5	372	203
8	17.1	17.8	4.16	4.25	-	12.0	8.2	8.0	1.6	.8	.5	.7	98.13	101.43	97.9	99.6	96.0	101.5	1,111	1,261
9	17.5	17.5	4.16	4.22	-	10.9	9.6	9.0	5.8	.7	1.0	.5	99.70	100.01	80.9	99.6	80.5	100.0	1,036	594
10	18.4	18.3	4.06	4.07	-	11.2	8.6	10.2	.6	.6	.4	.6	103.00	102.47	99.5	99.1	102.5	102.0	1,622	2,706
State	18.6	18.8	4.09	4.12	-	10.6	8.3	7.9	0.8	0.6	1.3	1.4	101.63	103.05	98.5	99.1	100.0	102.5	31,796	25,751

1/ Linters not used in the determination of grade except in western sections of Texas and Oklahoma and all American-Egyptian.

Table 7. Percentage distribution of quantity indexes by specified frequencies, by States and United States, 1953-54

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	
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
Upland	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	0.1	0.1	*	-	-	-	-	*	0.1	*	0.6	0.4	4.3	4.8	22.2	25.7	45.0	48.5	27.7	20.5	100.0	100.0
Ariz.	.2	.2	-	-	*	-	*	*	.1	-	.1	.2	.4	.9	3.1	5.2	15.9	21.2	80.2	72.3	100.0	100.0
Ark.	.1	.1	*	0.1	*	*	*	*	*	*	.1	.1	.5	1.3	5.3	31.9	35.2	58.1	58.8	8.4	100.0	100.0
Calif.	*	*	*	*	*	*	0.1	0.1	.5	0.3	1.6	1.6	3.8	4.6	15.6	12.4	37.8	24.0	40.5	57.0	100.0	100.0
Fla.	-	-	-	-	-	-	.5	1.0	4.8	1.0	15.1	1.9	36.1	22.1	36.0	51.9	4.8	17.3	2.7	4.8	100.0	100.0
Ga.	.1	.1	*	-	*	-	.1	*	.1	-	.2	.1	3.0	1.5	26.0	20.8	52.6	61.1	17.9	16.4	100.0	100.0
Ill.	-	-	-	-	-	-	-	-	-	-	-	1.7	2.3	8.3	18.6	57.8	60.5	31.4	18.6	.8	100.0	100.0
Ky.	-	.8	-	-	-	-	-	-	-	-	.9	1.6	1.8	12.2	15.8	63.4	81.5	22.0	-	-	100.0	100.0
La.	.1	.1	*	.1	*	-	*	*	.1	.1	.6	.4	3.0	2.4	12.5	35.4	36.9	49.0	46.7	12.5	100.0	100.0
Miss.	.1	.1	*	*	*	*	*	*	-	*	.1	.1	1.9	1.1	9.1	24.6	33.0	65.0	55.7	9.1	100.0	100.0
Mo.	*	-	*	*	*	*	*	*	.1	.1	.3	.3	1.5	5.0	9.8	45.1	52.9	44.8	35.4	4.6	100.0	100.0
N. Mex.	.1	-	0.1	-	0.3	-	.2	-	.5	.1	.5	-	2.3	.7	8.0	3.2	20.8	11.3	67.2	84.7	100.0	100.0
N. C.	.1	.1	-	*	-	*	-	*	*	.2	.1	1.3	.7	10.8	10.0	49.1	58.7	30.4	30.4	8.0	100.0	100.0
Okla.	.1	.1	*	*	-	-	-	-	*	.1	.5	.1	7.5	2.5	41.5	35.8	42.4	51.9	8.0	9.5	100.0	100.0
S. C.	.1	.1	-	-	-	-	-	*	*	.1	.1	.5	1.4	4.8	17.6	39.8	64.9	49.6	15.9	5.1	100.0	100.0
Tenn.	.1	.1	*	*	-	-	-	-	-	*	*	.1	.2	.6	4.0	10.8	31.8	64.9	63.9	23.5	100.0	100.0
Tex.	.1	.1	*	*	*	0.1	*	.1	.1	.3	.7	1.3	6.5	4.7	29.5	19.0	39.8	37.6	23.2	36.8	100.0	100.0
Va.	-	.8	-	-	-	-	-	-	-	.8	-	1.5	-	12.0	8.9	48.0	53.9	33.1	37.2	3.8	100.0	100.0
American-Egyptian																						
Ariz.	-	-	.2	-	-	-	.2	.4	1.5	2.6	7.0	7.3	42.7	24.9	40.6	41.7	7.6	18.7	.2	4.4	100.0	100.0
N. Mex.	-	-	-	-	-	-	-	-	3.0	-	27.3	7.7	45.4	26.9	18.2	61.6	6.1	3.8	-	-	100.0	100.0
Texas	-	-	-	-	.4	-	2.0	.8	9.0	1.5	13.3	1.5	40.0	15.0	29.8	54.1	5.1	25.6	.4	1.5	100.0	100.0
U. S.	0.1	0.1	*	*	*	*	*	*	0.1	0.1	0.4	0.6	3.2	3.2	15.9	25.6	39.6	48.0	40.6	22.4	100.0	100.0

* Less than 0.05 percent.

Table 8. Percentage distribution of quality indexes by specified frequencies, by States and United States, 1953-54.

State	Quality Index																			
	Below Grade		Below prime quality														Prime quality 100		Total	
			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					
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
Upland	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	*	-	-	-	-	*	*	-	0.1	*	0.3	0.1	2.4	0.3	17.4	10.9	79.8	88.7	100.0	100.0
Ariz.	0.1	*	-	-	*	0.2	0.1	0.7	.2	1.0	.2	2.2	2.3	8.1	43.4	45.5	53.7	42.3	100.0	100.0
Ark.	*	*	*	*	*	.2	*	.2	*	.3	.2	.6	.7	1.7	15.2	32.2	83.8	64.8	100.0	100.0
Calif.	*	*	-	*	*	.1	.1	.3	.1	.5	.4	1.0	2.1	3.5	33.6	26.4	63.7	68.2	100.0	100.0
Fla.	1.6	-	0.5	-	4.8	-	5.4	-	7.5	-	10.8	-	23.1	1.9	34.5	13.5	11.8	84.6	100.0	100.0
Ga.	1.1	*	.6	-	2.9	-	3.9	-	2.5	*	4.8	-	7.0	.4	28.2	12.3	49.0	87.3	100.0	100.0
Ill.	-	-	-	-	-	.8	-	-	-	2.5	-	.8	2.3	4.1	14.0	70.3	83.7	21.5	100.0	100.0
Ky.	-	-	-	-	-	-	-	.8	-	-	-	.8	-	.8	15.8	56.1	84.2	41.5	100.0	100.0
La.	*	0.2	-	0.1	*	.8	.3	1.1	.7	1.2	1.6	2.2	3.0	5.9	18.3	23.2	76.1	65.3	100.0	100.0
Miss.	*	.1	-	*	*	.2	.1	.3	.2	.2	.3	.4	1.4	1.0	14.6	15.4	83.4	82.4	100.0	100.0
Mo.	*	*	-	-	.1	.2	.1	.2	.1	.3	.2	.8	.5	3.5	19.8	45.3	79.2	49.7	100.0	100.0
N. Mex.	-	-	-	.1	.2	.1	.2	.1	.1	.2	.4	.4	6.7	4.5	55.4	60.3	37.0	34.3	100.0	100.0
N. C.	.1	-	*	-	.1	.1	.1	.2	.1	.2	.2	.7	.8	1.6	19.7	21.6	78.9	75.6	100.0	100.0
Okla.	.1	-	-	-	-	*	-	-	-	-	.1	*	.1	.2	30.4	19.9	69.3	79.9	100.0	100.0
S. C.	.2	-	*	-	.5	.1	1.2	.1	1.2	.1	3.2	.4	6.5	1.0	25.1	9.7	62.1	88.6	100.0	100.0
Tenn.	*	*	-	-	*	*	*	*	*	*	*	.1	.2	.7	14.3	26.2	85.3	72.9	100.0	100.0
Tex.	.4	.1	.2	*	.8	.1	.3	.1	.3	.1	.5	.2	1.2	1.5	43.0	42.1	53.3	55.8	100.0	100.0
Va.	-	-	-	-	-	-	-	.8	-	-	-	.8	1.0	3.0	32.4	43.6	66.6	51.8	100.0	100.0
American-Egyptian																				
Ariz.	-	.4	-	-	-	.4	.2	-	-	-	.4	1.5	16.7	16.1	79.2	73.5	3.5	8.1	100.0	100.0
N. Mex.	-	-	-	-	-	-	-	-	-	-	-	-	21.2	7.7	75.8	92.3	3.0	-	100.0	100.0
Texas	-	-	-	-	-	-	-	3.8	.8	.8	3.5	1.5	19.2	7.5	61.2	70.6	15.3	15.8	100.0	100.0
U. S.	0.2	*	0.1	*	0.3	0.2	0.4	0.3	0.3	0.3	0.7	0.6	2.0	2.1	25.4	28.5	70.6	68.0	100.0	100.0

* Less than 0.05 percent.

Table 9. Percentage distribution of grades by specified frequencies, by States and United States, 1953-1954

State	Grade																					
	Below grade 00.0-39.9		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 - 104.9		105.0 - 109.9		110.0 and over		Total	
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
Upland	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	0.1	*	0.1	0.1	0.2	0.1	0.7	0.2	2.1	0.4	5.7	4.5	18.1	24.6	43.0	47.0	29.3	22.8	0.7	0.3	100.0	100.0
Ariz.	.1	0.2	*	.3	.1	.4	.3	.7	.3	2.6	1.1	4.1	6.1	7.3	16.8	20.1	51.4	37.1	23.8	27.2	100.0	100.0
Ark.	.1	.1	.1	.4	*	.1	.1	.4	.3	.8	1.2	3.7	5.9	30.2	31.5	54.7	57.8	9.5	3.0	.1	100.0	100.0
Calif.	*	.1	.3	.6	.5	.7	1.2	1.4	2.0	2.8	4.7	6.1	15.2	10.0	34.6	21.0	38.2	45.5	3.3	11.8	100.0	100.0
Fla.	1.1	-	16.7	-	8.1	1.9	12.9	-	16.1	3.8	16.7	19.2	24.7	52.0	3.2	18.3	-	2.9	.5	1.9	100.0	100.0
Ga.	1.0	*	5.3	-	2.2	*	2.9	*	4.8	.3	9.5	1.8	20.5	19.2	35.9	59.9	17.3	18.3	.6	.4	100.0	100.0
Ill.	-	-	-	.8	-	2.5	-	2.5	2.3	2.5	2.3	14.9	16.3	50.3	53.5	24.8	25.6	1.7	-	-	100.0	100.0
Ky.	-	-	-	.8	-	.8	.9	-	.9	5.7	2.6	17.9	14.9	55.3	80.7	19.5	-	-	-	-	100.0	100.0
La.	.1	.2	.3	1.3	.5	.8	1.2	1.5	2.6	2.7	4.0	6.7	10.0	32.0	33.3	43.3	43.0	11.0	5.0	.5	100.0	100.0
Miss.	.1	.1	.1	.4	.2	.2	.3	.3	1.0	.6	3.0	2.3	7.6	22.6	30.0	63.0	52.6	10.3	5.1	.2	100.0	100.0
Mo.	*	-	.3	.5	.1	.4	.2	.9	.4	2.6	2.6	10.4	9.5	38.9	48.4	41.4	36.9	4.8	1.6	.1	100.0	100.0
N. Mex.	1.4	.1	.7	-	.4	-	.5	.1	1.6	.8	5.6	2.6	10.6	4.9	16.9	11.6	28.0	25.6	34.3	54.3	100.0	100.0
N. C.	.1	.2	.2	.5	.1	.4	.1	.5	.3	2.2	1.4	11.3	10.1	45.6	55.7	30.1	30.7	9.1	1.3	.1	100.0	100.0
Okla.	.2	.1	.1	.1	.1	*	.1	*	.5	.3	8.3	2.8	40.2	33.4	41.5	52.4	8.8	10.5	.2	.4	100.0	100.0
S. C.	.2	-	.7	.1	.6	.1	1.4	.5	2.7	.9	6.8	5.5	19.6	35.5	52.0	51.6	15.8	5.8	.2	-	100.0	100.0
Tenn.	.2	*	.1	.1	-	.1	.1	.1	.1	.4	.7	1.7	4.4	11.2	29.1	60.9	56.6	25.4	8.7	.1	100.0	100.0
Tex.	.5	*	1.3	.2	.2	.3	.4	.7	1.5	2.0	9.0	6.1	28.2	19.6	36.1	35.2	17.2	27.0	5.6	8.9	100.0	100.0
Va.	.7	-	-	.8	-	-	-	3.0	-	3.8	1.0	12.8	8.9	41.3	51.9	34.5	35.5	3.8	2.0	-	100.0	100.0
American-Egyptian																						
Ariz.	-	-	-	1.5	1.5	1.1	4.8	5.5	24.3	13.2	45.8	27.5	20.6	39.8	3.0	8.8	-	2.2	-	.4	100.0	100.0
N. Mex.	-	-	-	-	3.0	-	18.2	-	24.2	15.4	33.3	46.1	15.2	38.5	6.1	-	-	-	-	-	100.0	100.0
Texas	-	-	3.9	1.5	5.9	.8	11.4	1.5	20.0	3.8	35.6	28.6	21.6	48.0	1.6	15.0	-	.8	-	-	100.0	100.0
U. S.	0.2	0.1	0.7	0.4	0.3	0.3	0.6	0.6	1.5	1.4	4.8	5.0	14.9	24.1	35.4	45.4	36.9	18.3	4.7	4.4	100.0	100.0

* Less than 0.05 percent.

Table 10. Percentage of oil by specified frequencies, by States and United States, 1953-54

State	Oil																							
	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		Total	
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
Upland	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	0.1	0.4	1.7	1.4	5.9	4.5	12.3	9.6	13.2	14.1	17.7	19.9	24.8	24.7	18.0	24.4	6.3	0.8	*	*	*	100.0	100.0
Ariz.	.3	.8	.2	.1	.1	.3	.4	.8	.8	2.2	2.5	4.5	5.0	7.6	8.1	11.4	41.2	33.0	36.5	30.9	4.9	8.4	100.0	100.0
Ark.	.2	.3	.1	.2	.2	1.4	.5	7.1	1.4	19.5	3.6	28.0	10.3	25.5	23.1	13.4	53.5	4.5	6.8	.1	.3	*	100.0	100.0
Calif.	.3	.4	1.3	1.1	1.4	1.7	2.2	2.6	4.0	4.6	8.2	6.1	13.0	8.6	18.9	10.4	40.4	39.5	9.7	23.1	.6	1.9	100.0	100.0
Fla.	3.8	1.9	12.9	6.7	15.1	17.3	21.4	26.0	19.4	27.9	16.1	6.7	6.5	7.7	2.2	1.0	.5	2.9	1.6	1.9	.5	-	100.0	100.0
Ga.	.2	.1	.2	.4	.6	2.3	2.5	8.5	7.4	20.9	16.7	28.8	25.6	22.6	23.7	11.4	21.4	4.9	1.6	.1	.1	*	100.0	100.0
Ill.	-	-	-	1.7	-	3.3	2.3	9.1	7.0	21.5	9.3	42.9	14.0	15.7	25.6	4.1	41.8	1.7	-	-	-	-	100.0	100.0
Ky.	-	.8	.9	2.4	.9	8.9	1.8	21.1	2.6	31.0	16.7	26.9	32.5	7.3	40.2	-	4.4	1.6	-	-	-	-	100.0	100.0
La.	.5	.4	.8	.7	1.7	2.0	2.9	10.6	5.5	23.1	9.8	22.4	16.3	16.6	20.2	12.5	34.1	11.1	7.7	.6	.5	*	100.0	100.0
Miss.	.3	.3	.2	.3	.7	1.0	2.0	5.4	4.1	17.1	6.8	28.7	11.8	29.0	21.6	14.1	44.8	3.9	7.5	.2	.2	*	100.0	100.0
Mo.	.2	.1	.5	.5	.5	2.6	1.6	9.9	2.9	23.2	8.4	30.6	17.4	20.4	28.0	9.2	34.0	3.4	6.1	.1	.4	-	100.0	100.0
N. Mex.	1.3	.5	.7	.1	.4	.1	.9	.7	1.7	.7	3.1	1.4	5.6	2.9	10.4	3.1	22.3	15.8	23.4	27.7	30.2	47.0	100.0	100.0
N. C.	.3	.3	.1	2.7	.2	8.0	.7	20.3	3.3	24.0	10.9	18.6	26.5	13.6	30.4	8.4	26.0	4.0	1.6	.1	*	-	100.0	100.0
Okla.	.2	.1	2.8	.5	8.9	3.1	18.0	14.3	21.3	25.2	19.8	23.8	15.8	15.9	8.2	10.5	4.8	6.2	.2	.4	-	-	100.0	100.0
S. C.	.5	.2	.2	1.4	.6	6.2	1.7	17.4	6.2	28.4	17.5	27.8	29.0	12.5	28.0	4.2	16.1	1.9	.2	*	-	-	100.0	100.0
Tenn.	.3	.1	*	.1	*	.3	.2	1.8	.7	5.8	2.6	17.7	8.5	32.0	16.8	30.1	49.8	12.0	20.2	.1	.9	*	100.0	100.0
Tex.	.4	.5	1.7	2.1	2.8	3.4	6.2	6.2	10.5	9.0	13.4	9.7	14.3	9.5	13.2	10.8	20.9	24.6	10.5	15.5	6.1	8.7	100.0	100.0
Va.	-	1.5	-	2.3	-	6.0	.3	16.5	4.8	27.8	12.6	29.4	20.8	12.0	32.9	3.0	28.3	1.5	.3	-	-	-	100.0	100.0
American-Egyptian																								
Ariz.	.2	-	-	-	-	-	-	-	-	-	-	.4	.2	-	.2	.4	1.1	6.2	6.9	19.0	91.4	74.0	100.0	100.0
N. Mex.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	-	9.1	-	87.9	100.0	100.0	100.0
Texas	-	1.5	-	-	-	-	-	.8	-	.8	.4	-	-	-	-	1.5	4.7	-	9.0	2.3	85.9	93.1	100.0	100.0
U. S.	0.3	0.3	0.7	0.9	1.4	2.5	3.2	7.5	5.8	15.1	9.6	20.0	14.8	18.9	19.7	12.8	33.8	12.7	8.4	6.3	2.3	3.0	100.0	100.0

* Less than 0.05 percent.

Table 11. Percentage of ammonia by specified frequencies, by States and United States, 1953-54

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		Total	
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
Upland	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	0.1	0.1	•	-	0.1	-	0.9	•	2.8	.1	5.6	.1	13.3	.3	25.3	1.7	29.6	10.5	22.3	87.2	100.0	100.0
Ariz.	.1	.5	0.1	.1	.1	-	.5	.1	1.6	.6	3.7	3.1	16.3	10.8	34.6	26.3	30.0	31.2	13.0	27.3	100.0	100.0
Ark.	.1	.1	•	•	.1	-	.7	•	1.7	•	5.4	.4	15.3	2.1	26.0	12.6	27.9	36.3	22.8	48.5	100.0	100.0
Calif.	.2	.2	.2	.1	.9	.2	3.8	1.7	8.9	7.0	16.6	16.3	21.7	23.7	26.0	25.7	17.1	18.2	4.6	6.9	100.0	100.0
Fla.	.5	-	.5	1.0	7.0	-	15.6	-	19.9	-	23.7	1.0	25.3	4.8	7.0	11.5	.5	46.1	-	35.6	100.0	100.0
Ga.	.1	.1	•	-	.2	-	1.3	•	5.6	•	12.9	-	21.3	.3	30.5	1.5	20.9	6.6	7.2	91.5	100.0	100.0
Ill.	-	-	-	-	-	-	-	.8	2.3	4.1	11.6	6.6	32.6	16.5	30.2	33.9	9.3	33.1	14.0	5.0	100.0	100.0
Ky.	-	-	-	-	-	-	.9	-	-	-	7.9	-	18.4	2.4	38.6	17.9	24.6	61.8	9.6	17.9	100.0	100.0
La.	.2	.1	•	•	.1	•	.8	.3	1.4	.8	4.7	2.3	11.1	7.0	17.6	15.3	24.7	23.7	39.4	50.5	100.0	100.0
Miss.	.1	.2	•	•	.1	•	.8	.1	1.3	.1	3.2	.3	9.1	1.8	21.0	8.0	31.8	27.8	32.6	61.7	100.0	100.0
Mo.	.2	.1	•	•	.6	-	1.9	-	2.8	.5	9.1	1.9	16.9	8.6	23.6	27.8	27.4	38.2	17.5	22.9	100.0	100.0
N. Mex.	.3	.3	-	-	.8	.1	5.6	1.2	12.6	5.8	30.4	25.0	27.9	41.9	14.6	21.2	5.6	3.7	2.2	.8	100.0	100.0
N. C.	.1	•	•	•	-	-	.1	.1	.6	.2	3.2	1.1	11.3	8.8	26.2	23.3	33.3	29.3	25.2	37.2	100.0	100.0
Okla.	.2	.1	•	-	-	-	.1	.1	.1	•	1.1	.3	3.2	.9	9.3	7.6	21.8	21.5	64.2	69.5	100.0	100.0
S. C.	.1	.1	.1	-	.1	-	.7	-	2.1	•	6.5	•	14.9	.6	24.0	2.4	26.8	13.8	24.7	83.1	100.0	100.0
Tenn.	.2	.1	.1	-	•	-	.5	•	2.7	.1	7.1	.2	22.0	1.3	33.4	9.5	24.5	35.7	9.5	53.1	100.0	100.0
Tex.	.2	.2	•	•	.1	•	.5	.2	1.5	.7	3.7	2.6	8.1	7.1	17.3	14.2	24.6	24.6	44.0	50.4	100.0	100.0
Va.	.3	.8	-	-	-	-	-	-	-	-	-	.8	3.4	8.3	14.0	23.3	29.7	42.7	52.6	24.1	100.0	100.0
American Egyptian																						
Ariz.	-	1.5	-	-	-	-	-	-	1.7	-	11.7	2.9	23.9	12.5	32.3	30.4	16.5	22.7	13.9	30.0	100.0	100.0
N. Mex.	-	-	-	-	-	-	3.0	-	30.3	-	33.4	-	24.2	7.7	9.1	50.0	-	26.9	-	15.4	100.0	100.0
Tex.	0.4	1.5	-	-	0.8	-	5.5	-	20.0	1.5	30.9	8.3	26.7	15.0	13.7	28.6	1.6	30.1	.4	15.0	100.0	100.0
U. S.	0.1	0.2	•	•	0.2	•	0.9	0.2	2.4	0.8	6.0	2.4	13.2	5.8	23.0	13.4	26.3	26.3	27.9	50.9	100.0	100.0

• Less than 0.05 percent.

Table 12. Percentage of linters by specified frequencies, by States and United States, 1954.

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
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Upland										
Ala.	6.3	0.3	3.8	21.3	25.8	15.4	13.2	13.0	0.9	100.0
Ariz.	.7	.3	1.3	4.5	17.0	38.5	27.2	10.0	.5	100.0
Ark.	.5	1.6	15.3	39.8	30.7	9.7	1.8	.5	.1	100.0
Calif.	.2	.1	.1	.4	2.4	14.0	33.6	47.5	1.7	100.0
Fla.	2.9	1.0	-	1.0	4.8	10.6	20.2	49.9	9.6	100.0
Ga.	.1	•	.7	4.4	14.3	29.0	29.8	20.0	1.7	100.0
Ill.	-	-	2.5	15.7	56.2	21.5	4.1	-	-	100.0
Ky.	-	-	2.4	30.9	55.3	10.6	.8	-	-	100.0
La.	11.3	9.4	37.0	31.7	8.6	1.6	.3	.1	•	100.0
Miss.	.8	2.0	20.4	45.6	22.3	6.8	1.7	.3	.1	100.0
Mo.	.5	.5	1.8	14.3	42.6	32.7	7.0	.6	•	100.0
N. Mex.	.4	3.0	9.1	26.0	36.3	20.2	4.4	.5	.1	100.0
N. C.	.2	-	.1	1.1	6.2	17.0	22.2	44.0	9.2	100.0
Okla.	.1	.8	5.7	18.2	30.4	30.2	12.2	2.3	.1	100.0
S. C.	•	-	.1	1.3	5.9	19.8	32.8	38.4	1.7	100.0
Tenn.	.9	.2	9.3	46.8	33.6	8.1	1.1	•	•	100.0
Tex.	4.4	18.2	13.9	18.8	18.7	14.7	7.6	3.3	.4	100.0
Va.	-	-	.8	4.5	9.0	36.1	26.3	21.8	1.5	100.0
American Egyptian										
Ariz.	99.2	-	-	-	.4	-	-	.4	-	100.0
N. Mex.	88.5	-	-	-	11.5	-	-	-	-	100.0
Texas	94.6	-	-	2.3	2.3	-	.8	-	-	100.0
U. S.	2.5	4.9	11.8	25.2	21.3	14.5	10.0	9.0	0.8	100.0

• Less than 0.05 percent.

Table 15. Percentage of free fatty acid in cottonseed samples, by specified frequencies, by States and United States, 1953.

State	Free fatty acid														
	Prime quality 0-1.8	Below prime quality 1.9-12.4	Off quality 12.5 and over	0-0.4	0.5 - 0.9	1.0 - 1.4	1.5 - 1.8	1.9 - 2.9	3.0 - 4.9	5.0 - 6.9	7.0 - 8.9	9.0 - 10.9	11.0 - 12.4	12.5 and over	Total
Upland	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	95.8	4.2	*	25.8	53.2	12.2	4.6	2.9	1.1	0.1	0.1	*	-	*	100.0
Ariz.	96.7	3.2	*	48.2	35.0	10.7	2.8	2.5	.6	.1	*	*	-	*	100.0
Ark.	99.3	.6	*	85.0	12.9	1.0	.4	.3	.2	.1	*	*	-	*	100.0
Calif.	97.8	2.2	-	34.1	56.9	5.4	1.4	1.5	.5	.1	.1	*	-	-	100.0
Fla.	36.6	61.8	1.6	.5	5.4	9.7	21.0	30.6	12.9	10.2	4.3	1.6	2.2	1.6	100.0
Ga.	68.1	29.7	2.2	6.6	38.2	16.5	6.8	9.9	9.0	4.8	3.3	1.9	.8	2.2	100.0
Ill.	100.0	-	-	67.4	32.6	-	-	-	-	-	-	-	-	-	100.0
Ky.	100.0	-	-	71.9	28.1	-	-	-	-	-	-	-	-	-	100.0
La.	91.7	8.2	.1	65.1	19.2	4.9	2.5	3.8	3.4	.7	.1	.1	.1	.1	100.0
Miss.	97.1	2.8	.1	65.4	25.8	4.0	1.9	1.8	.8	.1	*	.1	*	.1	100.0
Mo.	99.3	.7	-	79.6	18.9	.5	.3	.2	.3	.1	.1	*	-	-	100.0
N. Mex.	99.7	.3	-	57.3	38.8	3.1	.5	.1	.1	-	-	.1	-	-	100.0
N. C.	96.4	3.5	.1	24.3	56.7	12.2	3.2	2.3	.9	.1	.1	.1	*	.1	100.0
Okla.	99.7	.3	*	70.4	28.1	.9	.3	.1	.1	-	-	.1	-	*	100.0
S. C.	76.3	23.5	.2	15.3	34.6	17.6	8.8	11.1	8.0	2.8	1.0	.4	.2	.2	100.0
Tenn.	99.5	.5	-	84.1	14.9	.4	.1	.2	.2	.1	*	*	-	-	100.0
Tex.	96.4	2.9	.7	44.1	46.3	5.0	1.0	1.0	.6	.4	.3	.3	.3	.7	100.0
Va.	99.0	1.0	-	21.8	63.5	12.3	1.4	1.0	-	-	-	-	-	-	100.0
American-Egyptian															
Arizona	100.0	-	-	28.8	64.9	5.4	.9	-	-	-	-	-	-	-	100.0
N. Mex.	100.0	-	-	6.1	63.6	27.3	3.0	-	-	-	-	-	-	-	100.0
Texas	99.6	.4	-	8.6	51.0	36.5	3.5	.4	-	-	-	-	-	-	100.0
U. S.	94.8	4.9	0.3	53.7	33.1	5.9	2.1	2.3	1.5	0.5	0.3	0.2	0.1	0.3	100.0

Table 16. Percentage of free fatty acid in cottonseed samples by specified frequencies, by States and United States, 1954.

State	Free fatty acid														
	Prime quality 0-1.8	Below prime quality 1.9-12.4	Off quality 12.5 and over	0-0.4	0.5 - 0.9	1.0 - 1.4	1.5 - 1.8	1.9 - 2.9	3.0 - 4.9	5.0 - 6.9	7.0 - 8.9	9.0 - 10.9	11.0 - 12.4	12.5 and over	Total
Upland	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	99.7	.3	*	39.6	57.5	2.2	0.4	0.2	*	0.1	-	*	-	*	100.0
Ariz.	66.3	33.5	0.2	7.8	19.9	23.4	15.2	22.7	9.0	1.4	0.3	0.1	*	0.2	100.0
Ark.	98.0	2.0	*	43.9	49.7	3.0	1.4	1.0	.6	.2	.1	.1	*	*	100.0
Calif.	94.8	5.1	.1	47.5	42.5	3.3	1.5	2.4	1.8	.6	.2	.1	*	.1	100.0
Fla.	98.1	1.9	-	-	72.2	22.1	3.8	1.9	-	-	-	-	-	-	100.0
Ga.	99.1	.9	-	15.2	78.9	4.1	.9	.7	.2	*	-	-	-	-	100.0
Ill.	94.3	5.7	-	44.7	42.2	6.6	.8	3.3	.8	.8	-	.8	-	-	100.0
Ky.	98.4	1.6	-	55.3	41.5	1.6	-	.8	-	-	.8	-	-	-	100.0
La.	86.3	13.4	.3	39.0	30.9	11.9	4.5	6.2	4.0	1.6	.8	.5	0.3	.3	100.0
Miss.	96.7	3.2	.1	61.5	31.1	3.1	1.0	1.4	1.0	.4	.2	.1	.1	.1	100.0
Mo.	97.4	2.6	*	59.8	33.5	3.1	1.0	1.3	.6	.3	.1	.2	.1	*	100.0
N. Mex.	99.3	.7	-	54.6	40.5	3.9	.3	.5	.1	.1	-	-	-	-	100.0
N. C.	97.5	2.5	*	28.9	60.4	6.0	2.2	1.4	.8	.2	.1	*	-	*	100.0
Okla.	99.8	.2	-	65.8	32.7	1.0	.3	.1	.1	-	-	-	-	-	100.0
S. C.	96.4	3.6	*	62.0	27.1	4.7	2.6	2.5	1.0	.1	*	-	-	*	100.0
Tenn.	99.7	.2	*	79.1	19.8	.6	.2	.1	.1	*	*	*	-	*	100.0
Tex.	99.4	.5	*	42.5	51.8	4.6	.5	.3	.1	.1	*	*	*	*	100.0
Va.	92.4	7.6	-	9.0	65.3	14.3	3.8	6.8	.8	-	-	-	-	-	100.0
American-Egyptian															
Arizona	96.7	3.3	-	6.2	75.8	13.2	1.5	2.9	.4	-	-	-	-	-	100.0
N. Mex.	100.0	-	-	7.7	15.4	73.1	3.8	-	-	-	-	-	-	-	100.0
Texas	98.4	1.6	-	5.3	39.1	45.0	9.0	-	.8	-	-	.8	-	-	100.0
U. S.	96.2	3.7	.1	47.6	42.0	4.8	1.8	2.1	1.1	.3	.1	.1	*	.1	100.0

* Less than 0.05 percent.

Table 13. Percentage of moisture in cottonseed samples by specified frequencies, by States and United States, 1953

State	Moisture														
	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	Total
Upland	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	89.1	10.8	0.1	0.1	3.9	48.2	22.3	10.3	4.3	4.9	3.4	1.8	0.7	0.1	100.0
Ariz.	99.1	.9	-	2.1	75.9	17.8	2.0	.6	.7	.8	.1	*	-	-	100.0
Ark.	96.1	3.9	*	.1	5.6	65.1	13.0	7.1	5.2	3.4	.4	.1	*	*	100.0
Calif.	79.6	20.3	.1	.1	6.9	37.7	12.5	12.2	10.2	13.0	5.3	1.7	.3	.1	100.0
Fla.	43.5	53.8	2.7	.5	-	3.8	17.7	9.7	11.8	16.1	12.4	15.6	9.7	2.7	100.0
Ga.	78.5	21.4	.1	.1	*	11.2	25.7	27.6	13.9	14.2	5.5	1.4	.3	.1	100.0
Ill.	97.7	2.3	-	2.3	-	53.6	30.2	9.3	2.3	2.3	-	-	-	-	100.0
Ky.	98.2	1.8	-	-	.9	80.7	9.6	6.1	.9	1.8	-	-	-	-	100.0
La.	88.4	11.2	.4	.3	8.7	47.8	16.1	9.4	6.1	6.0	2.8	1.5	.9	.4	100.0
Miss.	91.5	8.3	.2	.2	6.8	60.3	13.9	6.5	3.8	3.9	2.5	1.2	.7	.2	100.0
Mo.	96.3	3.7	*	.1	5.5	70.9	11.1	5.1	3.6	3.2	.5	-	--	*	100.0
N. Mex.	99.7	.3	-	.2	31.6	55.9	8.2	3.1	.7	.2	.1	-	-	-	100.0
N. C.	92.7	7.2	.1	.3	.3	22.4	30.1	26.8	12.8	6.1	.9	.2	*	.1	100.0
Okla.	94.5	5.4	.1	.3	10.0	34.1	17.9	18.6	13.6	5.1	.3	*	*	.1	100.0
S. C.	87.5	12.4	.1	.3	.2	21.4	33.3	21.8	10.5	7.8	3.1	1.1	.4	.1	100.0
Tenn.	96.1	3.8	*	.1	4.1	63.7	16.9	7.2	4.1	3.5	.3	*	*	*	100.0
Tex.	98.0	1.9	*	.3	20.7	52.9	14.0	6.9	3.2	1.6	.3	*	*	*	100.0
Va.	82.3	17.7	-	-	-	11.3	26.6	25.6	18.8	14.0	3.1	.3	.3	-	100.0
American-Egyptian															
Arizona	99.8	.2	-	2.4	52.9	40.8	3.3	.2	.2	.2	-	-	-	--	100.0
N. Mex.	100.0	-	-	3.0	39.4	39.4	9.1	9.1	-	-	-	-	-	-	100.0
Texas	98.8	1.2	-	-	6.7	51.7	25.1	13.3	2.0	1.2	-	-	-	-	100.0
U. S.	92.5	7.4	0.1	0.3	11.1	48.9	16.3	10.1	5.8	4.7	1.7	0.7	0.3	0.1	100.0

Table 14. Percentage of moisture in cottonseed samples by specified frequencies, by States and United States, 1954

State	Moisture														
	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	Total
Upland	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	98.4	1.5	0.1	0.2	9.4	67.1	16.5	4.0	1.2	0.9	0.4	0.1	0.1	0.1	100.0
Ariz.	99.1	.9	-	2.5	56.7	26.5	7.1	4.6	1.7	.8	.1	*	*	-	100.0
Ark.	87.9	12.1	*	.1	3.2	26.7	22.6	21.2	14.1	10.1	1.8	.2	*	*	100.0
Calif.	83.1	16.7	.2	.3	14.7	43.7	9.4	8.5	6.5	8.9	4.9	2.2	.7	.2	100.0
Fla.	88.5	11.5	-	1.0	4.8	29.9	20.2	16.3	16.3	5.8	3.8	1.9	-	-	100.0
Ga.	98.8	1.2	*	*	7.5	67.0	18.4	4.3	1.6	.9	.2	.1	-	*	100.0
Ill.	57.0	43.0	-	-	-	2.5	3.3	17.4	33.8	28.1	12.4	1.7	.8	-	100.0
Ky.	53.6	46.4	-	-	-	1.6	13.0	13.0	26.0	31.8	14.6	-	-	-	100.0
La.	80.0	19.2	.8	.2	8.2	24.8	18.1	17.5	11.2	11.7	3.7	2.4	1.4	.8	100.0
Miss.	93.9	6.1	*	.2	3.9	40.6	22.3	17.3	9.6	5.3	.7	.1	*	*	100.0
Mo.	63.7	36.2	.1	.1	.2	9.8	13.9	20.8	18.9	24.7	9.3	2.0	.2	.1	100.0
N. Mex.	98.6	1.4	-	.5	19.5	64.1	7.3	4.6	2.6	.9	.4	-	.1	-	100.0
N. C.	92.0	7.8	.2	.1	.6	45.7	24.6	13.5	7.5	6.1	1.1	.4	.2	.2	100.0
Okla.	99.5	.5	-	.1	18.0	66.1	10.7	3.7	.9	.5	-	-	-	-	100.0
S. C.	97.3	2.7	-	.3	1.7	56.7	22.6	11.1	4.9	2.2	.4	.1	*	-	100.0
Tenn.	87.4	12.5	.1	.1	.1	23.4	24.9	22.9	16.0	10.4	1.5	.5	.1	.1	100.0
Tex.	97.0	3.0	*	.3	32.1	52.9	7.0	3.2	1.5	1.7	.8	.4	.1	*	100.0
Va.	81.1	18.1	.8	-	-	4.5	29.2	26.3	21.1	9.8	4.5	3.0	.8	.8	100.0
American-Egyptian															
Arizona	100.0	-	-	3.7	66.3	25.6	2.9	1.1	.4	-	-	-	-	-	100.0
N. Mex.	100.0	-	-	3.8	34.6	46.3	11.5	3.8	-	-	-	-	-	-	100.0
Texas	99.2	.8	-	2.3	22.5	60.8	4.5	6.8	2.3	.8	-	-	-	-	100.0
U. S.	90.9	9.0	0.1	0.3	12.9	40.8	16.5	12.5	7.9	6.4	1.8	0.6	0.2	0.1	100.0

* Less than 0.05 percent.

Table 17. Percentage of foreign matter in cottonseed samples by specified frequencies, by States and United States, 1953.

State	Foreign Matter													
	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	Total
Upland	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	92.4	7.6	*	61.0	31.4	6.3	0.9	0.2	0.1	0.1	*	*	*	100.0
Ariz.	55.2	44.5	.3	26.9	28.3	21.0	12.3	5.7	3.5	1.4	0.4	0.2	0.3	100.0
Ark.	85.2	14.7	.1	53.6	31.6	8.7	3.1	1.4	.9	.3	.2	.1	.1	100.0
Calif.	78.6	21.3	.1	45.9	32.7	15.4	3.5	1.2	.7	.3	.2	*	.1	100.0
Fla.	81.8	18.2	-	43.6	38.2	17.7	.5	-	-	-	-	-	-	100.0
Ga.	83.4	16.5	.1	56.7	26.7	12.8	2.4	.7	.5	.1	*	*	.1	100.0
Ill.	86.1	13.9	-	62.8	23.3	11.6	2.3	-	-	-	-	-	-	100.0
Ky.	84.2	15.8	-	61.4	22.8	8.8	4.4	-	2.6	-	-	-	-	100.0
La.	88.9	11.1	*	58.2	30.7	9.5	1.1	.3	.2	*	*	*	*	100.0
Miss.	92.0	7.9	*	67.5	24.5	6.1	1.4	.3	.1	*	*	*	*	100.0
Mo.	80.0	19.8	.2	54.3	25.7	12.1	4.3	1.8	1.1	.3	.1	.1	.2	100.0
N. Mex.	37.1	62.1	.8	8.9	28.2	31.3	10.7	5.6	7.0	4.1	1.9	1.5	.8	100.0
N. C.	87.4	12.6	*	59.2	28.2	11.0	1.3	.2	.1	-	*	*	*	100.0
Okla.	72.9	27.0	.1	28.5	44.4	21.9	3.6	1.1	.4	*	*	*	.1	100.0
S. C.	92.6	7.3	*	65.5	27.1	6.5	.5	.2	.1	*	*	*	*	100.0
Tenn.	86.2	13.8	*	64.7	21.5	9.1	3.0	1.0	.4	.2	*	.1	*	100.0
Tex.	56.9	43.0	.1	27.2	29.7	24.9	9.7	4.5	2.8	.8	.2	.1	.1	100.0
Va.	83.0	17.0	-	45.1	37.9	15.4	1.0	.3	.3	-	-	-	-	100.0
American-Egyptian														
Arizona	3.9	95.7	.4	0.9	3.0	6.3	14.5	19.5	30.2	16.7	6.3	2.2	.4	100.0
N. Mexico	3.0	94.0	3.0	-	3.0	30.3	27.3	9.1	9.1	15.2	3.0	-	3.0	100.0
Texas	16.1	77.6	6.3	5.5	10.6	16.1	19.9	9.0	13.3	6.7	5.9	6.7	6.3	100.0
U. S.	79.0	20.9	0.1	50.2	28.8	13.1	4.1	1.8	1.2	0.4	0.2	0.1	0.1	100.0

* Less than 0.05 percent.

Table 18. Percentage of foreign matter in cottonseed samples by specified frequencies, by States and United States, 1954.

State	Foreign Matter													
	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	Total
Upland	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	89.6	10.4	*	62.7	26.9	8.2	1.4	0.4	0.2	0.1	0.1	*	*	100.0
Ariz.	58.0	41.7	0.3	28.0	30.0	24.2	8.5	4.4	2.7	1.2	.5	0.2	0.3	100.0
Ark.	71.4	28.0	.6	35.7	35.7	16.5	6.0	2.4	1.6	.8	.5	.2	.6	100.0
Calif.	78.7	21.2	.1	47.2	31.5	15.4	3.2	1.4	.7	.3	.1	.1	.1	100.0
Fla.	97.1	2.9	-	81.7	15.4	1.0	1.9	-	-	-	-	-	-	100.0
Ga.	88.6	11.4	-	68.6	20.0	8.7	1.9	.7	.1	*	*	*	-	100.0
Ill.	46.3	52.0	1.7	33.1	13.2	28.9	12.4	6.6	.8	2.5	.8	-	1.7	100.0
Ky.	72.3	26.9	.8	50.3	22.0	12.2	6.5	4.9	3.3	-	-	-	.8	100.0
La.	86.4	13.6	*	52.0	34.4	11.4	1.4	.5	.2	.1	*	*	*	100.0
Miss.	85.4	14.5	.1	60.5	24.9	10.0	2.8	1.0	.5	.1	.1	*	.1	100.0
Mo.	73.5	26.1	.4	51.0	22.5	13.9	5.9	2.7	1.8	1.0	.5	.3	.4	100.0
N. Mex.	34.8	65.1	.1	9.4	25.4	39.9	9.4	6.1	3.6	3.3	1.9	.9	.1	100.0
N. C.	80.1	19.5	.4	47.3	32.8	13.4	3.3	1.3	.8	.3	.3	.1	.4	100.0
Okla.	79.8	20.2	-	41.1	38.7	16.1	2.7	.9	.3	.1	.1	*	-	100.0
S. C.	92.5	7.3	.2	63.7	28.8	5.3	1.0	.5	.1	.2	.1	.1	.2	100.0
Tenn.	80.0	19.9	.1	52.3	27.7	14.0	3.7	1.2	.6	.2	.2	*	.1	100.0
Tex.	58.2	41.6	.2	32.7	25.5	20.3	10.8	5.6	3.4	.9	.4	.2	.2	100.0
Va.	66.7	33.3	-	37.4	29.3	22.6	6.8	2.3	.8	.8	-	-	-	100.0
American-Egyptian														
Arizona	7.7	90.8	1.5	3.7	4.0	15.0	16.5	17.6	18.3	18.2	3.7	1.5	1.5	100.0
N. Mex.	-	100.0	-	-	-	23.1	11.5	46.2	7.7	7.7	3.8	-	-	100.0
Texas	15.8	83.4	.8	5.3	10.5	22.5	16.5	21.0	13.5	6.8	2.3	.8	.8	100.0
U. S.	74.8	25.0	0.2	46.2	28.6	14.8	5.3	2.4	1.5	0.6	0.3	0.1	0.2	100.0

* Less than 0.05 percent.

Table 19. Number of cottonseed samples by specified groups, by qualities, and number reduced in grade for specified causes, by States and United States, 1953-54.

State	Quality						Total samples graded		Reduced due to excess					
	Prime		Below prime and off quality		Below grade				Moisture		Free fatty acids		Foreign matter	
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
Upland	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Ala.	9,033	5,926	2,286	756	5	-	11,324	6,682	1,230	106	478	23	860	693
Ariz.	3,178	2,114	2,730	2,949	5	2	5,913	5,065	53	49	196	1,706	2,652	2,124
Ark.	19,597	13,224	3,776	7,216	9	10	23,382	20,450	929	2,488	150	430	3,460	5,857
Calif.	5,798	5,631	3,298	2,629	2	1	9,098	8,261	1,846	1,396	192	429	1,943	1,759
Fla.	22	88	161	16	3	-	186	104	105	12	118	2	34	3
Ga.	3,631	3,612	3,702	526	78	1	7,411	4,139	1,590	52	2,373	39	1,230	477
Ill.	36	26	7	95	-	-	43	121	1	52	-	7	6	65
Ky.	96	51	18	72	-	-	114	123	2	57	-	2	18	34
La.	8,089	4,808	2,532	2,540	5	13	10,626	7,361	1,231	1,473	886	1,007	1,179	1,005
Miss.	22,404	17,162	4,485	3,670	10	12	26,899	20,844	2,294	1,302	784	689	2,153	3,059
Mo.	5,000	3,178	1,318	3,231	1	1	6,319	6,410	239	2,330	45	166	1,273	1,693
N. Mex.	673	515	1,146	987	-	-	1,819	1,502	4	20	3	10	1,144	979
N. C.	5,444	3,515	1,444	1,128	6	-	6,894	4,643	503	371	252	121	869	917
Okla.	4,075	2,702	1,796	685	6	-	5,877	3,387	323	17	21	5	1,591	682
S. C.	5,007	5,115	3,038	654	13	-	8,058	5,769	1,014	156	1,904	212	594	433
Tenn.	8,563	5,684	1,472	2,122	2	2	10,037	7,806	396	980	52	25	1,385	1,561
Texas	16,938	14,374	14,744	11,363	114	14	31,796	25,751	620	814	1,168	150	13,741	10,744
Va.	195	69	98	64	-	-	293	133	52	25	3	10	50	44
American-Egyptian														
Arizona	19	22	520	250	-	1	539	273	1	-	-	9	518	252
New Mexico	1	-	32	26	-	-	33	26	-	-	-	-	32	26
Texas	39	21	216	112	-	-	255	133	3	1	1	2	214	112
U. S.	117,838	87,837	48,819	41,089	259	57	166,916	128,983	12,436	11,701	8,626	5,044	34,946	32,519

* Less than 0.05 percent.

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PRODUCTION AND MARKETING ADMINISTRATION
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