

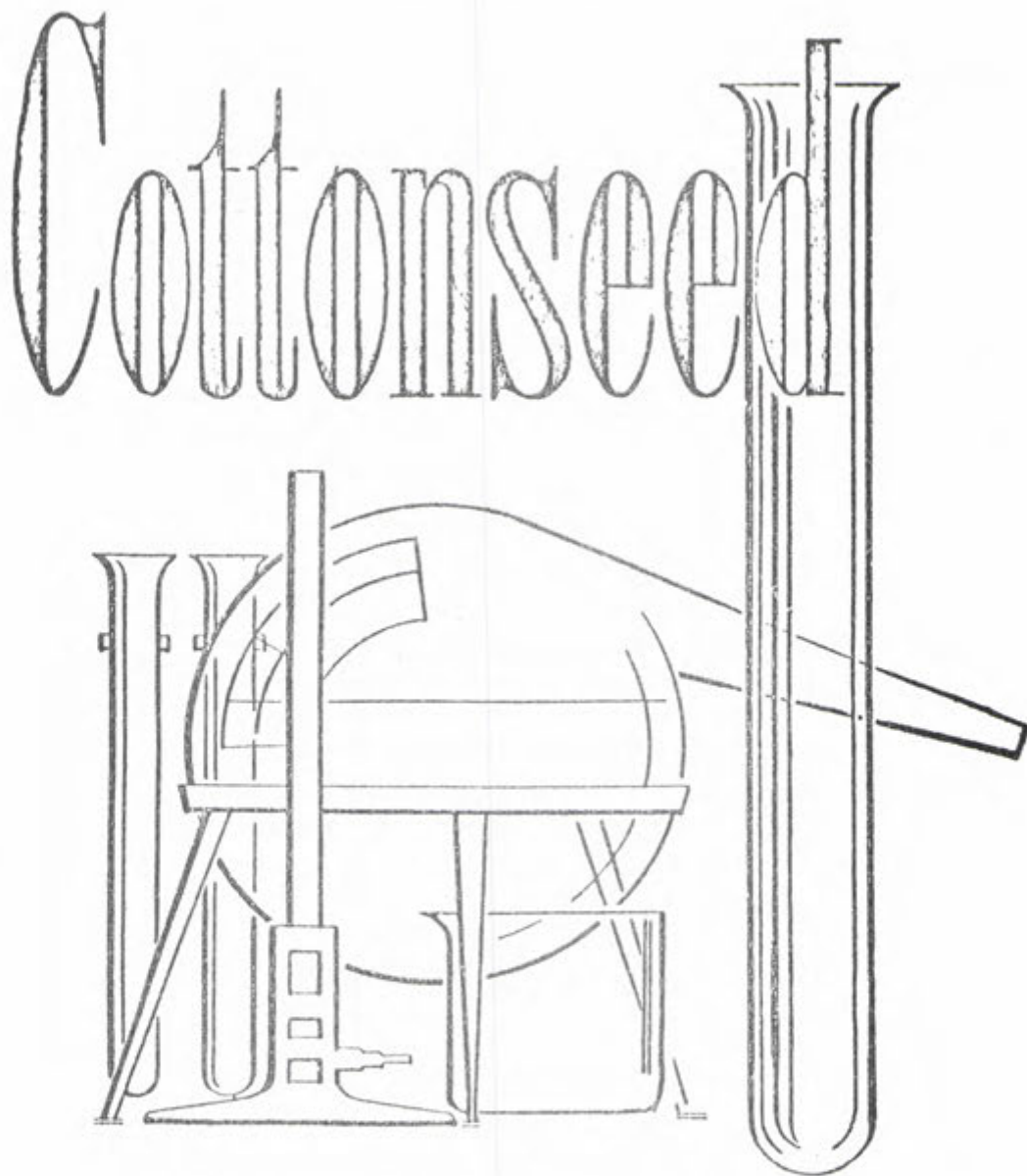
Cottonseed

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UNITED STATES DEPARTMENT OF AGRICULTURE

Agricultural Marketing Service

Cotton Division



COTTONSEED QUALITY
CROPS OF 1954 & 1955

Memphis, Tennessee

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COTTONSEED QUALITY IN THE UNITED STATES
CROP OF 1955

This report presents quality data for cottonseed graded from the 1955 crop. Averages of cottonseed quality factors and grades are shown by states, districts, months, and specified frequencies. Comparative data are shown for the 1954 crop. The data furnished herein were compiled from official cottonseed grade certificates issued by licensed chemists. These chemists under the supervision of the Department of Agriculture issued official certificates covering 101,194 samples of cottonseed during the 1955-56 season. These samples were drawn from cottonseed delivered to crushing mills throughout the season.

There were six basic factors used in determining the grade of cottonseed in 1955-56 in accordance with the United States Official Standards for Grades. These factors were (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 in the seed). Of these six factors, the first three were combined to form an index for quantity and the last three an index for quality. The two indexes are multiplied to determine the grade of cottonseed. The lint content of cottonseed was used optionally as a quantity factor for the 1954 crop. The lint content was determined and was shown on practically all of the 1954-55 grade certificates but it was used only in western portions of Texas and Oklahoma and for American-Egyptian seed. Provision was made for the mandatory use of linters in determining the official grade of cottonseed produced from the 1955 crop.

The table presented below contains quality data indicating that cottonseed produced from the 1955 crop averaged slightly higher in grade than that of a year earlier and was the second highest since quality information was first compiled in 1944. The average oil content of seed was the second highest on record and the average ammonia content was the lowest since 1951. The average lint content in 1955 was smaller than that of a year earlier. Of the three quality factors, the percentage of moisture was up from a year earlier, foreign matter was slightly lower and the percentage of free fatty acid was the same as in the preceding season.

Table 1. Cottonseed quality factors, indexes, and grades,
United States, 1945-55

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	101,194

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 decreased sharply in a number of states in the 1955-56 season. Those states in which a very limited number of grade certificates were issued have been combined and quality data are shown under "All Other" in this report.

Quantity Index

The average quantity index for cottonseed graded in 1955-56 was 102.96. This compares with the 1954-55 average of 102.07 and the five-year 1950-1954 average of 102.21. 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 was 98.9 in 1955-56 compared with 99.2 in 1954-55, the record high. The decrease in 1955-56 was the first since 1950. The quality index had risen for four successive years prior to 1955-56. A percentage distribution of quality indexes by specified frequencies and by states is shown in Table 7, page 15. 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.

Average Grade

The average grade of cottonseed in the 1955-56 season was 102.0 compared with 101.5 in 1954-55 and 102.5 two years ago. The grade of cottonseed is calculated 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.

Oil Content

The average percentage of oil in the samples graded during 1955-56 was 18.9, the second highest percentage on record. This compares with 18.2 percent a year earlier and 18.7 two years ago. In the last ten years, average oil content has ranged from a high of 19.1 percent in 1949-50 to a low of 18.2 percent in 1954-55. A distribution of percentages of oil, by specified frequencies and by states, appears in Table 9, page 17.

Ammonia Content

The average percentage of ammonia was the lowest since the 1951-52 season. The 1955-56 average for the samples graded was 3.95 compared with 4.12 percent a year earlier and 4.00 two years ago. In the last ten years, average ammonia content has ranged from a low of 3.61 percent in 1946-47 to a high of 4.12 percent in 1954-55. A distribution of percentages of ammonia, by specified frequencies and by states, is shown in Table 10, page 18.

Linters Content

The average linters content for seed graded in 1955-56 was 10.4 percent against 11.4 percent in the 1954-55 season. A distribution of percentages of linters, by specified frequencies and by states, is shown in Table 11, page 19.

Moisture Content

The average moisture content in the samples graded in 1955-56 was 10.4. This is the highest percentage since 1951-52 and compares with the 1954-55 average of 9.2 percent and 9.0 two years ago. In the last ten years, average moisture content ranged from a high of 12.8 percent in 1950-51 to a low of 9.0 percent in 1953-54. Distributions of percentages of moisture by specified frequencies and by states are shown in Tables 12 and 13, page 20.

Free Fatty Acids

The free fatty acid content of cottonseed oil averaged 0.7 percent in the 1955-56 season. This is the third successive season in which free fatty acid has averaged 0.7 percent. In the last ten seasons, average percentages of free fatty acids ranged from a high of 2.6 percent in 1945-46 to a low of 0.7 percent in each of the last three seasons. Distribution of percentages of free fatty acids, by specified frequencies and by states are shown in Tables 14 and 15, page 21.

Foreign Matter

The average percentage of foreign matter in cottonseed graded in the 1955-56 season was 0.9 percent. This compares with 1.0 percent a year earlier and 0.8 percent two years ago. In the last ten seasons, the foreign matter content of seed ranged from a low of 0.8 percent to a high of 1.1 percent. Distributions of percentages of foreign matter by specified frequencies and by states are shown in Tables 16 and 17, page 22.

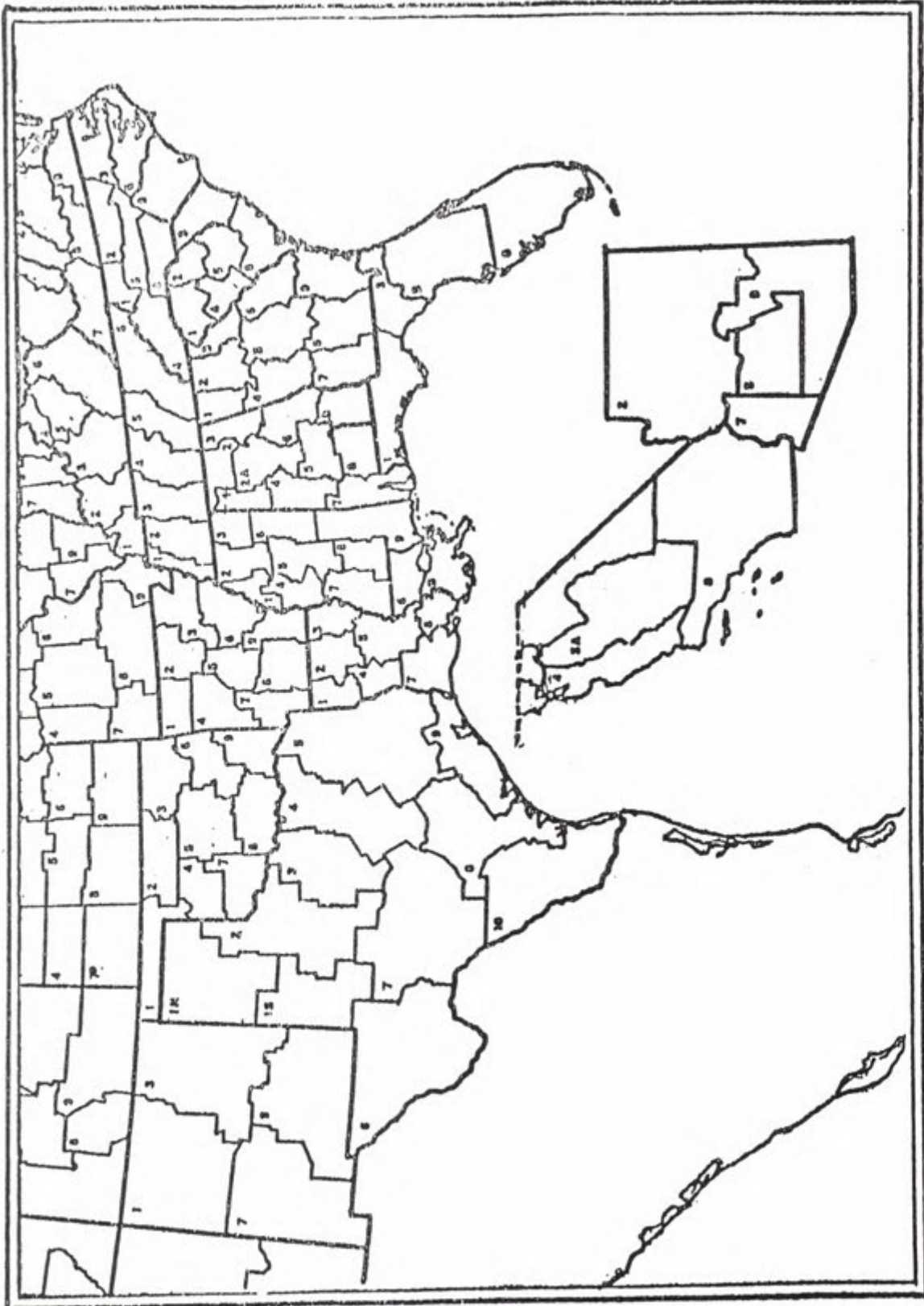
Number of Certificates by Qualities and Reductions

The total number of official cottonseed grade certificates issued in 1955-56 is stratified by specified quality groups and by states in Table 18, page 23. 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, 1954 and 1955

State	Production of cottonseed		Deliveries to oil mills		Certificates issued	
	1954	1955	1954	1955	1954	1955
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Number	Number
Alabama	297	413	270	380	6,682	6,455
Arkansas	565	678	495	625	20,450	23,876
Louisiana	236	233	220	220	7,361	7,243
Mississippi	654	821	580	750	20,844	27,416
Missouri	197	174	180	160	6,410	6,259
Oklahoma	122	188	105	165	3,387	4,085
Tennessee	223	250	205	235	7,806	9,797
Texas	1,647	1,687	1,520	1,540	25,884	15,446
Other States ^{1/}	1,768	1,594	1,654	1,480	30,159	741
Total	5,709	6,038	5,229	5,555	128,983	101,194

^{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, 1954-55

State	Cottonseed analysis											Average index				Average grade		
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1954	1955
	1954	1955	Pct.	Pct.	1954	1955	Pct.	Pct.	1954	1955	Pct.	Pct.	1954	1955	1954	1955		
<u>Upland</u>	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	17.8	19.0	4.27	3.92	12.1	10.9	8.4	10.0	0.5	0.6	0.6	0.6	101.65	103.82	99.9	99.6	101.5	103.5
Ark.	17.8	18.9	4.13	3.98	10.8	10.3	10.0	10.6	.6	.5	1.2	1.0	101.08	103.12	99.2	99.4	100.5	102.5
Fla.	17.0	16.9	4.09	3.61	14.1	13.1	10.0	14.6	.9	2.0	.4	.7	97.30	95.76	99.7	95.4	97.0	91.5
Ill.	17.6	18.5	3.93	3.63	11.5	11.2	12.1	12.0	.8	.6	1.6	.9	98.69	100.59	97.9	99.0	96.5	99.5
Ky.	17.1	18.3	4.06	3.69	11.2	11.1	12.0	12.3	.5	.4	1.1	.9	97.52	99.61	98.7	98.9	96.5	99.0
La.	17.8	18.9	4.11	3.92	10.0	9.8	10.3	11.5	1.1	2.2	.7	.6	100.95	102.14	98.0	95.5	99.0	98.0
Miss.	17.9	18.8	4.17	4.00	10.6	10.3	9.4	10.8	.6	.8	.7	.7	101.52	102.88	99.4	99.2	101.0	102.0
Mo.	17.7	18.7	4.03	3.78	11.7	11.5	11.5	11.1	.6	.5	1.0	1.0	99.88	102.37	98.7	99.1	98.5	101.5
Okla.	17.7	18.1	4.21	4.21	11.7	10.7	8.0	9.5	.4	.7	.8	1.0	100.80	101.65	99.8	99.5	100.5	101.0
Tenn.	18.3	19.2	4.14	3.76	10.9	10.4	10.3	11.7	.4	.4	.8	1.0	103.00	103.22	99.6	99.0	102.5	102.0
Tex.	18.8	19.0	4.12	4.00	10.6	10.2	7.9	8.0	.6	.8	1.4	1.6	103.05	103.23	99.1	98.8	102.5	102.0
All Other <u>1/</u>	18.4	19.7	4.06	3.79	13.4	11.5	8.8	8.7	.8	2.6	.9	1.5	103.14	106.27	99.1	92.1	102.5	98.0
All Upland	18.2	18.9	4.12	3.95	11.4	10.4	9.2	10.4	.7	.7	1.0	.9	102.08	102.96	99.2	98.9	101.5	102.0
American- <u>Egyptian</u>	22.0	22.0	3.97	4.20	2.9	2.7	7.1	8.5	.9	.9	3.7	2.0	96.84	103.35	96.7	98.9	94.0	93.0
Total <u>1/</u>	18.2	18.9	4.12	3.95	11.4	10.4	9.2	10.4	0.7	0.7	1.0	0.9	102.07	102.96	99.2	98.9	101.5	102.0

1/ Includes Arizona, California, New Mexico, North Carolina, South Carolina, Georgia, and Virginia. A very limited number of official cottonseed grade certificates were received for these states during the 1955 season.

Table 4. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1954-55

ALABAMA

Month	Oil		Cottonseed analysis										Average index				Average grade		Samples	
			Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1954	1955	1954	1955
			1954	1955	Pct.	Pct.	1954	1955	Pct.	Pct.	1954	1955	Pct.	Pct.	1954	1955				
Aug.	17.6	17.8	4.19	3.67	12.6	11.2	10.0	15.2	0.7	1.3	0.4	0.7	100.47	97.85	99.5	96.1	100.0	94.5	535	125
Sept.	17.7	19.0	4.27	3.82	12.6	11.3	7.8	10.4	.5	.7	.5	.4	101.28	103.87	100.0	99.5	101.5	103.5	2,793	1,454
Oct.	18.0	19.0	4.29	3.93	11.5	10.8	8.6	9.9	.5	.5	.5	.4	102.67	103.91	99.9	99.9	102.5	104.0	2,274	2,716
Nov.	17.7	19.0	4.28	4.01	11.9	10.8	8.8	9.1	.5	.5	.8	.6	101.32	104.32	99.8	99.8	101.0	104.0	747	1,371
Dec.	17.5	18.8	4.27	3.92	11.9	10.9	9.2	10.5	.6	.6	1.0	1.0	100.56	103.22	99.6	99.5	100.0	102.5	231	497
Jan.	17.1	18.9	4.24	3.94	12.3	10.8	9.8	10.3	.7	.7	.9	1.4	98.80	103.94	99.5	99.2	98.5	103.0	37	138
Feb.	17.5	19.0	4.16	3.93	10.9	11.2	9.8	10.6	.6	.9	2.0	1.6	99.76	104.01	98.9	98.4	99.0	103.0	9	64
Mar.-July	17.7	18.9	4.26	3.98	11.1	11.0	9.2	9.5	.7	1.3	1.5	1.6	101.37	104.20	99.2	98.0	100.5	102.0	56	90
Season	17.8	19.0	4.27	3.92	12.1	10.9	8.4	10.0	0.5	0.6	0.6	0.6	101.65	103.82	99.9	99.6	101.5	103.5	6,682	6,455

ARKANSAS

Aug.	18.4	18.1	4.07	4.09	10.0	10.4	10.4	11.5	0.7	2.3	0.7	2.0	102.92	100.46	99.2	93.2	102.0	93.5	273	48
Sept.	17.9	19.2	4.20	3.97	11.2	10.3	8.5	10.0	.5	.4	.5	.5	102.00	104.26	99.9	99.7	102.0	104.0	5,796	4,511
Oct.	17.8	18.9	4.10	3.94	10.8	10.2	10.4	11.3	.5	.4	.8	.6	100.60	102.55	99.6	99.5	100.0	102.0	7,140	8,616
Nov.	17.9	19.0	4.14	4.05	10.6	10.3	10.5	9.6	.5	.4	1.5	1.0	101.29	104.07	99.2	99.8	100.5	104.0	4,446	6,332
Dec.	17.7	18.6	4.12	3.92	10.8	10.4	10.8	11.5	.9	.5	2.6	1.8	100.61	101.65	97.9	98.8	99.0	100.5	1,738	2,285
Jan.	17.4	18.5	4.02	3.93	10.9	10.5	12.1	10.8	1.3	.7	3.4	2.6	98.84	101.70	95.9	98.3	95.0	100.0	479	1,135
Feb.	17.1	18.2	3.98	3.90	10.9	10.4	12.8	11.7	2.1	1.0	4.1	3.2	96.91	100.06	92.7	97.2	90.0	97.5	243	282
Mar.-July	17.7	18.7	4.06	4.03	10.8	10.3	11.2	10.4	2.1	1.5	3.1	2.0	99.66	102.51	93.5	97.0	93.0	99.5	335	667
Season	17.8	18.9	4.13	3.98	10.8	10.3	10.0	10.6	0.6	0.5	1.2	1.0	101.08	103.12	99.2	99.4	100.5	102.5	20,450	23,876

Table 4. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1954-55. (Continued)

FLORIDA

Month	Cottonseed analysis														Average index		Average grade		Samples			
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1954	1955	1954	1955	No.	No.
	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	No.	No.		
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	No.	No.	
Aug.	17.2	16.7	4.05	3.51	13.8	12.6	11.2	16.7	0.7	1.2	0.3	0.7	97.99	94.06	99.4	96.5	97.5	91.0	38	15		
Sept.	16.8	16.8	4.13	3.66	14.7	13.7	9.6	13.6	.9	2.1	.4	.5	96.57	96.12	99.9	97.5	96.5	93.5	49	11		
Oct.	16.9	17.2	4.06	3.76	13.6	13.3	9.1	12.1	1.0	3.0	.5	.8	97.01	98.29	99.8	95.1	97.0	93.5	14	4		
Nov.-July	17.8	17.7	4.26	3.70	9.7	13.0	6.3	11.1	1.3	4.3	.2	1.7	101.89	99.52	99.7	82.5	101.5	82.0	3	3		
Season	17.0	16.9	4.09	3.61	14.1	13.1	10.0	14.6	0.9	2.0	0.4	0.7	97.30	95.76	99.7	95.4	97.0	91.5	104	33		

ILLINOIS

Sept.	19.2	-	3.97	-	9.8	-	11.1	-	0.4	-	0.3	-	103.42	-	99.8	-	103.5	-	2	
Oct.	17.7	18.9	3.90	3.65	11.5	10.5	13.0	13.2	0.4	.4	0.2	.4	99.27	101.47	98.7	98.6	98.0	100.0	30	9
Nov.	17.6	18.8	4.01	3.68	11.3	11.2	11.4	11.5	.5	.4	1.6	.7	99.32	101.95	99.1	99.9	98.5	102.0	69	16
Dec.	17.0	18.0	3.70	3.58	12.0	11.5	13.5	12.8	.9	.6	3.1	1.2	94.63	98.45	96.2	98.8	91.5	97.5	11	9
Jan.	16.9	17.8	3.73	3.48	12.3	12.1	14.3	11.7	1.1	.6	3.4	1.8	94.76	97.50	95.3	98.8	90.5	96.5	2	5
Feb.	17.4	-	3.60	-	12.4	-	14.1	-	2.2	-	4.6	-	96.07	-	92.4	-	88.5	-	4	-
Mar.-July	18.0	18.5	3.70	3.55	12.5	11.9	12.1	10.8	4.8	2.1	3.1	1.5	99.03	100.47	84.6	96.5	84.0	97.0	5	4
Season	17.6	18.5	3.93	3.63	11.5	11.2	12.1	12.0	0.8	0.6	1.6	0.9	98.69	100.59	97.9	99.0	96.5	99.5	121	45

KENTUCKY

Sept.	17.4	19.0	4.09	3.64	11.4	10.5	10.8	12.6	0.5	0.4	0.3	0.3	98.78	101.72	99.9	99.4	99.0	101.0	34	15
Oct.	16.9	18.4	4.03	3.70	11.2	11.1	12.9	12.2	.4	.4	.5	.6	97.21	100.55	98.9	99.1	96.0	99.5	44	85
Nov.	17.3	18.1	4.09	3.85	11.0	10.8	11.9	11.4	.5	.3	1.6	.7	97.23	94.87	98.8	99.9	97.0	100.0	34	6
Dec.	17.0	17.6	4.02	3.67	11.3	11.1	12.8	13.1	.9	.5	4.3	1.5	95.27	96.95	95.8	98.3	91.0	95.5	10	19
Jan.	-	17.4	-	3.66	-	11.6	-	12.2	-	.7	-	3.1	-	96.72	-	97.2	-	94.0	-	10
Feb.	-	17.2	-	3.51	-	12.4	-	13.1	-	.8	-	4.4	-	95.76	-	95.5	-	91.5	-	1
Mar.-July	18.1	-	3.83	-	11.6	-	11.6	-	8.5	-	2.9	-	100.38	-	71.3	-	71.5	-	1	-
Season	17.1	18.3	4.06	3.69	11.2	11.1	12.0	12.3	0.5	0.4	1.1	0.9	97.52	99.61	98.7	98.9	96.5	99.0	123	136

Table 4. Cottonseed: Quality factors, indexes, and grades, by specific periods and States, 1954-55 (Continued)

LOUISIANA

Month	Cottonseed analysis												Average index				Samples			
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1954	1955	No.	No.
	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955
Aug.	17.6	18.3	3.94	3.61	9.5	9.1	13.7	17.0	0.9	2.3	0.7	0.6	98.59	96.50	96.3	91.4	95.5	89.0	703	468
Sept.	18.1	19.0	4.15	3.77	10.1	9.7	9.0	12.7	.6	2.2	.6	.5	102.30	101.50	99.5	94.3	102.0	96.0	2,794	2,326
Oct.	17.7	19.0	4.09	3.98	10.0	9.9	10.8	10.8	1.0	2.1	.6	.6	100.18	103.04	98.7	96.3	99.0	99.5	2,385	2,486
Nov.	17.7	19.0	4.16	4.12	9.9	9.8	10.7	9.2	2.2	2.0	.8	.7	100.48	103.57	95.6	97.2	96.5	101.0	1,068	1,340
Dec.	17.8	18.7	4.18	4.07	9.9	9.9	10.0	10.2	3.2	2.1	1.2	.9	101.74	102.22	91.8	97.1	93.0	99.0	303	440
Jan.	17.7	18.8	4.23	4.02	10.1	10.0	9.7	10.1	2.8	2.7	1.2	1.5	101.31	102.45	93.2	94.4	94.5	97.0	51	97
Feb.	17.8	18.3	4.21	4.01	10.4	10.3	9.6	11.5	2.3	2.8	1.8	1.3	101.29	100.92	94.4	93.4	94.0	93.5	22	32
Mar.-July	17.5	18.0	4.24	4.17	10.7	9.6	9.7	9.7	2.3	2.9	.8	1.0	100.33	101.52	95.1	94.5	95.5	94.5	35	54
Season	17.8	18.9	4.11	3.92	10.0	9.8	10.3	11.5	1.1	2.2	0.7	0.6	100.95	102.14	98.0	95.5	99.0	98.0	7,361	7,243

MISSISSIPPI

Aug.	17.9	18.5	4.10	3.87	10.6	9.3	9.8	14.3	0.6	1.3	0.4	0.6	101.03	99.24	99.9	96.8	101.0	96.0	852	639
Sept.	17.8	18.9	4.21	3.96	10.8	10.4	8.2	11.1	.5	.8	.4	.4	101.60	103.07	99.9	99.0	101.5	102.0	7,629	7,927
Oct.	17.9	18.8	4.15	3.98	10.6	10.3	9.9	11.1	.5	.7	.5	.5	101.49	102.71	99.7	99.3	101.5	102.0	6,833	9,542
Nov.	17.9	18.9	4.16	4.11	10.3	10.2	10.3	9.4	.7	.7	1.0	.8	101.81	103.85	98.9	99.6	100.5	103.5	3,464	5,655
Dec.	17.8	18.6	4.14	4.01	10.4	10.2	10.9	11.2	1.1	.9	1.6	1.2	101.08	101.97	97.8	99.1	99.0	101.0	1,453	2,082
Jan.	17.6	18.6	4.09	4.04	10.4	10.1	11.3	10.7	1.6	1.1	1.9	1.7	99.83	102.01	95.9	98.7	96.0	100.5	252	804
Feb.	17.9	18.3	4.14	4.03	10.4	10.1	10.7	11.5	1.3	1.5	1.7	1.8	101.20	100.78	97.2	97.1	98.5	98.0	109	198
Mar.-July	17.9	18.6	4.14	4.17	10.7	10.1	9.9	9.9	1.5	1.5	1.5	1.1	101.30	102.81	96.9	97.7	98.0	100.5	252	569
Season	17.9	18.8	4.17	4.00	10.6	10.3	9.4	10.8	0.6	0.8	0.7	0.7	101.52	102.88	99.4	99.2	101.0	102.0	20,844	27,416

Table 4. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1954-55 (Continued)

MISSOURI

Month	Cottonseed analysis														Average Index			Average grade		Samples				
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1954	1955	1954	1955	1954	1955	No.	No.
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	1954	1955	1954	1955	1954	1955	No.	No.
Aug.	18.5	18.1	3.94	4.04	10.5	11.9	9.1	11.2	2.1	4.0	2.4	1.6	102.56	101.99	95.2	87.7	99.0	92.0	14	12			14	12
Sept.	17.8	19.4	4.14	3.83	11.8	11.2	9.8	9.8	.5	.6	.4	.5	101.11	105.23	99.9	99.2	101.0	104.5	1,864	1,188			1,864	1,188
Oct.	17.6	18.7	4.00	3.76	11.6	11.3	12.4	11.6	.4	.4	.5	.5	99.55	102.21	99.0	99.5	98.5	102.0	2,304	2,433			2,304	2,433
Nov.	17.7	18.6	4.02	3.82	11.7	11.5	11.6	10.4	.5	.4	1.5	.9	100.00	102.53	99.0	99.7	99.0	102.0	1,372	1,482			1,372	1,482
Dec.	17.4	17.9	3.91	3.68	12.0	11.7	12.4	12.8	.8	.5	2.7	1.9	98.15	98.96	97.2	98.0	96.0	97.0	499	585			499	585
Jan.	17.1	18.1	3.77	3.71	12.2	12.1	14.7	11.3	1.4	.7	3.4	2.9	95.71	100.34	94.4	97.9	90.5	98.0	136	339			136	339
Feb.	17.5	17.8	3.77	3.66	12.5	12.3	13.6	12.0	2.0	.8	3.7	3.5	97.57	98.87	93.6	97.3	91.5	96.5	102	67			102	67
Mar.-July	17.8	18.1	3.90	3.77	12.0	12.1	12.1	11.0	3.5	2.0	3.0	3.2	99.64	100.31	88.9	94.4	89.0	95.0	119	153			119	153
Season	17.7	18.7	4.03	3.78	11.7	11.5	11.5	11.1	0.6	0.5	1.0	1.0	99.88	102.37	98.7	99.1	98.5	101.5	6,410	6,259			6,410	6,259

OKLAHOMA

Aug.	17.3	17.3	4.25	4.22	11.2	10.5	7.0	10.7	0.4	.5	0.7	1.0	99.17	99.8	99.8	99.7	100.5	98.0	2	2					2	2
Sept.	17.4	17.3	4.32	4.22	11.7	10.5	7.0	10.7	0.4	.5	0.7	.7	100.33	98.32	99.9	99.9	100.5	98.0	559	395					559	395
Oct.	17.6	17.6	4.20	4.19	11.6	10.6	8.2	10.9	.4	.6	.6	.7	100.72	99.39	99.9	99.5	100.5	99.0	1,373	1,361					1,373	1,361
Nov.	17.9	18.5	4.18	4.26	11.8	10.8	8.2	8.4	.4	.6	.8	.9	101.23	103.79	99.9	99.8	101.0	103.5	1,024	1,467					1,024	1,467
Dec.	17.8	18.6	4.17	4.16	12.1	11.1	7.8	8.4	.6	.8	1.2	1.4	101.30	103.87	99.6	99.3	101.0	103.5	308	577					308	577
Jan.	17.5	18.4	4.14	4.17	12.0	10.5	8.7	8.6	.6	1.1	1.4	2.2	99.63	102.22	99.5	98.4	99.0	99.5	71	199					71	199
Feb.	17.1	17.9	4.04	4.15	12.8	10.8	8.7	9.6	.9	1.1	2.0	2.2	97.54	99.30	98.4	98.1	96.0	99.0	36	68					36	68
Mar.-July	17.5	17.5	4.17	4.24	12.8	11.3	8.7	8.2	1.0	1.1	2.0	1.5	99.89	102.59	98.4	99.3	98.0	102.0	16	16					16	16
Season	17.7	18.1	4.21	4.21	11.7	10.7	8.0	9.5	0.4	0.7	0.8	1.0	100.80	101.65	99.8	99.5	100.5	101.0	3,387	4,085					3,387	4,085

Table 4. Cottonseed: Quality factors, indexes, and grades, by specified periods and States, 1954-55. (Continued)

TENNESSEE

Month	Cottonseed analysis												Average index			Average grade		Samples				
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1954	1955	1954	1955	No.	No.
	1954	1955	Pct.	Pct.	1954	1955	Pct.	Pct.	1954	1955	Pct.	Pct.	1954	1955	1954	1955						
Aug.	18.6	17.4	3.82	4.02	10.7	11.3	10.3	11.4	1.7	2.6	4.2	5.5	102.29	98.32	94.1	91.9	96.5	90.5	15	2		
Sept.	18.4	19.7	4.15	3.78	11.2	10.3	9.2	10.6	.4	.4	.4	.4	103.61	105.18	99.9	99.8	103.5	105.0	2,433	1,191		
Oct.	18.3	19.1	4.13	3.69	10.8	10.3	10.7	13.0	.4	.4	.5	.4	103.11	102.23	99.8	98.6	103.0	101.0	3,036	3,519		
Nov.	18.2	19.4	4.17	3.85	10.7	10.4	10.6	10.5	.4	.4	1.2	.8	102.78	104.54	99.5	99.8	102.5	104.5	1,673	3,034		
Dec.	17.9	18.8	4.11	3.72	10.9	10.5	11.2	12.5	.5	.5	2.0	2.1	101.02	101.67	98.7	98.2	100.0	100.0	544	1,285		
Jan.	17.5	18.9	4.02	3.76	11.1	10.7	12.7	11.2	.9	.6	2.6	2.8	99.19	102.39	96.9	98.0	96.0	100.5	54	602		
Feb.	17.3	18.8	4.15	3.74	11.0	10.8	11.5	12.0	1.1	.7	3.2	3.8	101.64	100.56	96.4	96.7	97.0	98.5	28	79		
Mar.-July	17.9	19.1	4.07	3.81	10.9	10.1	10.5	11.2	1.1	1.6	2.8	3.7	100.67	101.89	97.0	95.3	98.0	97.0	23	85		
Season	18.3	19.2	4.14	3.76	10.9	10.4	10.3	11.7	0.4	0.4	0.8	1.0	103.00	103.22	99.6	99.0	102.5	102.0	7,806	9,797		

TEXAS

Aug.	18.0	18.1	4.20	4.19	11.9	9.8	8.0	10.4	0.7	0.8	0.6	0.7	102.29	100.08	99.8	99.3	102.0	99.5	2,462	408
Sept.	18.0	17.7	4.23	4.16	11.8	11.2	7.0	9.0	.6	1.0	.9	.8	101.78	100.28	99.6	98.8	101.5	99.0	3,509	1,587
Oct.	19.0	19.0	4.12	4.09	10.9	9.8	8.1	9.8	.5	.8	.8	.7	104.55	103.30	99.8	98.9	104.5	102.0	6,314	3,270
Nov.	19.6	19.9	4.12	4.01	10.0	9.9	7.5	7.3	.5	.6	1.3	1.2	105.45	106.32	99.4	99.5	105.0	106.0	6,280	5,621
Dec.	19.1	18.7	4.07	3.84	9.4	10.4	7.0	7.0	.6	.8	2.6	2.7	101.56	101.27	98.0	97.9	100.0	99.5	3,866	3,466
Jan.	18.1	18.0	3.99	3.88	9.7	10.8	8.2	7.0	.8	.9	3.4	3.4	97.33	98.98	97.4	97.2	95.0	96.0	888	757
Feb.	17.5	17.6	3.94	3.85	9.9	10.8	8.3	8.1	.9	1.2	3.5	3.5	95.28	96.85	97.4	96.4	93.0	93.5	565	159
Mar.-July	18.3	18.3	4.02	3.88	10.5	10.1	11.2	7.1	.7	1.6	1.1	4.1	101.41	99.93	98.2	100.2	100.0	95.0	1,867	172
Season	18.8	19.0	4.12	4.00	10.6	10.2	7.9	8.0	0.6	0.8	1.4	1.6	103.05	103.23	99.1	98.8	102.5	102.0	25,751	15,440

Table 5. Cottonseed: Quality factors, indexes, and grades, by crop-reporting districts and States, 1954-55

ALABAMA

Dist. No.	Cottonseed analysis														Average index				Samples	
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Average index		Average grade		Samples			
	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955		
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Quantity	Quality			No.	No.		
1	17.9	19.2	4.26	3.84	11.3	10.7	8.5	9.9	0.5	0.4	0.6	0.6	102.20	104.10	99.9	99.9	102.0	104.0	518	689
2	18.2	19.2	4.31	3.96	11.2	10.6	8.4	9.7	.5	.5	.6	.6	103.82	104.62	99.9	99.8	104.0	104.5	2,895	3,844
3	18.3	18.9	4.29	3.97	11.2	10.3	8.9	10.2	.5	.5	.4	.5	104.12	103.18	100.0	99.8	104.0	103.0	644	449
4	17.0	18.5	4.27	3.85	12.3	12.0	7.8	9.6	.5	.6	.5	.5	98.65	102.81	100.0	99.9	98.5	102.5	426	643
5	16.8	18.3	4.30	3.87	13.5	12.3	7.6	10.5	.6	1.2	.6	.7	97.80	102.33	99.9	99.3	98.0	101.5	512	332
6	17.4	18.1	4.24	3.86	13.3	12.2	8.4	11.3	.6	1.0	.4	.5	99.81	101.44	99.9	99.0	100.0	100.5	466	204
7	17.0	18.4	4.14	3.69	12.8	12.2	8.5	11.9	.5	1.9	.4	.4	97.68	101.56	100.0	96.6	97.5	98.0	99	49
8	17.0	17.8	4.16	3.64	13.9	12.4	8.3	13.4	.7	2.0	.6	.8	97.80	99.03	99.8	96.7	97.5	96.0	620	171
9	17.3	17.4	4.16	3.57	13.7	12.9	9.2	13.3	.7	2.0	.5	.9	99.17	98.51	99.4	96.4	98.5	94.0	502	74
State	17.8	19.0	4.27	3.92	12.1	10.9	8.4	10.0	0.5	0.6	0.6	0.6	101.65	103.82	99.9	99.6	101.5	103.5	6,682	6,455

ARKANSAS

1	-	19.0	-	3.90	-	10.9	-	9.0	-	0.4	-	1.2	-	103.90	-	99.8	-	103.5	-	8
2	16.9	18.2	4.28	4.09	11.2	10.2	8.4	10.7	0.5	.5	1.1	.7	98.11	100.91	99.6	99.7	98.0	100.5	95	85
3	17.8	18.9	4.11	3.92	10.9	10.4	10.5	10.7	.5	.4	1.2	1.1	100.68	102.85	99.2	99.3	100.0	102.0	8,335	9,268
4	17.2	18.6	4.19	4.17	10.9	10.6	8.9	9.2	.6	.5	1.4	1.0	98.79	103.31	99.4	99.5	98.5	103.0	289	430
5	17.2	18.4	4.18	4.15	10.5	10.1	9.6	10.1	1.0	.5	1.5	1.3	98.95	101.77	98.3	99.2	97.0	101.0	517	518
6	18.1	19.0	4.15	3.98	10.9	10.1	9.7	10.8	.5	.5	1.0	.9	102.10	103.17	99.3	99.3	101.5	102.5	7,957	9,131
7	17.7	19.0	4.17	4.03	10.8	10.4	8.1	9.6	.6	.8	1.1	.7	100.60	103.82	99.3	99.7	100.5	103.5	400	621
8	17.1	19.0	4.17	3.93	11.7	11.4	8.3	9.4	.6	.5	1.3	.8	98.17	104.22	99.3	99.7	97.5	104.0	302	530
9	17.7	18.9	4.12	4.08	10.4	10.1	10.2	10.1	.8	.5	1.2	.9	100.40	103.67	99.0	99.7	99.5	103.5	2,555	3,285
State	17.8	18.9	4.13	3.98	10.8	10.3	10.0	10.6	0.6	0.5	1.2	1.0	101.08	103.12	99.2	99.4	100.5	102.5	20,450	23,876

Table 5. Cottonseed: Quality factors, indexes, and grades, by crop-reporting districts and States, 1954-55

LOUISIANA

Dist. No.	Cottonseed analysis														Average index				Average grade		Samples			
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1954	1955	1954	1955	1954	1955	No.	No.
	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955
1	17.3	18.8	4.29	4.17	10.1	9.6	8.3	9.9	0.5	1.4	0.5	0.5	99.90	102.77	99.5	99.3	99.5	102.0	99.5	102.0	982	1,191		
2	17.3	19.1	4.24	3.86	10.4	10.5	8.8	10.3	.5	1.1	.7	.7	99.50	103.25	99.8	99.5	99.8	103.0	99.0	103.0	460	455		
3	17.8	19.2	4.18	3.95	9.9	9.9	9.7	10.5	.8	1.2	.6	.6	101.10	103.70	99.3	98.9	98.9	100.5	102.5	102.5	2,716	3,022		
4	17.6	19.0	4.26	4.08	10.3	9.7	8.7	10.4	.7	2.5	.6	.6	100.77	103.43	99.3	96.3	96.3	100.0	99.5	100.0	403	338		
5	18.3	18.6	3.97	3.75	9.7	9.5	12.0	13.8	1.8	4.0	.7	.8	101.87	99.38	95.8	88.0	88.0	88.0	88.0	88.0	2,391	1,765		
6	17.7	18.3	3.86	3.75	10.5	10.2	12.2	13.7	2.6	3.9	.5	.4	99.14	99.45	94.4	89.1	89.1	93.5	88.5	88.5	144	245		
7	17.5	18.3	3.99	3.55	10.2	9.8	12.0	15.9	1.5	4.5	.8	.6	98.91	97.49	95.5	85.2	85.2	96.5	83.0	83.0	80	106		
8	17.7	18.5	3.87	3.65	9.9	9.8	14.3	15.1	1.7	3.8	.5	.6	98.69	98.70	95.1	87.4	87.4	94.5	86.0	86.0	175	98		
9	18.5	19.0	3.85	3.75	9.6	9.6	11.9	13.0	4.0	6.2	.7	.5	102.11	101.23	89.9	80.9	80.9	91.5	82.0	82.0	10	23		
State	17.8	18.9	4.11	3.92	10.0	9.8	10.3	11.5	1.1	2.2	0.7	0.6	100.95	102.14	98.0	95.5	98.0	99.0	98.0	98.0	7,361	7,243		

MISSISSIPPI

1	18.0	18.4	4.21	4.16	10.4	9.9	9.5	10.8	0.5	0.6	0.8	0.8	102.21	101.70	99.6	99.4	99.6	102.0	101.0	102.0	4,365	6,684
2	18.1	19.2	4.16	3.83	10.5	10.1	9.7	11.4	.5	.6	.8	1.0	102.21	103.10	99.6	99.1	99.6	102.0	102.0	102.0	3,149	3,894
3	18.1	19.5	4.16	3.76	10.7	10.3	8.9	10.7	.4	.4	.6	.5	102.36	104.22	99.9	99.6	99.9	102.5	104.0	104.0	1,704	1,926
4	18.1	18.8	4.16	4.19	10.5	10.2	9.7	10.0	.6	.6	.7	.6	102.28	103.85	99.5	99.7	99.5	102.0	103.5	103.5	4,711	6,734
5	17.7	18.8	4.22	3.95	10.8	10.5	8.9	10.6	.5	.7	.5	.4	101.02	103.10	99.9	99.6	99.6	101.0	103.0	103.0	2,359	2,964
6	17.4	18.9	4.22	3.86	10.8	10.8	8.4	10.4	.5	.5	.6	.4	99.97	102.94	99.8	99.8	99.8	100.0	103.0	103.0	1,170	1,483
7	17.6	18.8	4.09	3.88	10.4	10.3	10.5	11.7	1.7	2.0	.6	.5	100.13	102.00	96.6	96.6	96.6	96.5	98.5	98.5	1,181	1,279
8	17.5	18.9	4.07	3.78	11.0	10.6	9.4	12.1	1.0	2.0	.6	.6	99.29	102.22	98.9	96.7	96.7	98.0	99.0	99.0	1,521	1,748
9	17.2	18.7	4.11	3.77	11.8	11.3	8.6	11.9	.6	1.4	.5	.4	98.21	102.31	99.7	98.6	98.6	98.0	101.0	101.0	694	704
State	17.9	18.8	4.17	4.00	10.6	10.3	9.4	10.8	0.6	0.8	0.7	0.7	101.52	102.88	99.4	99.2	99.4	101.0	102.0	102.0	20,844	27,416

Table 5. Cottonseed: Quality factors, indexes, and grades, by crop-reporting districts and States, 1954-55 (Continued)

OKLAHOMA

Dist. No.	Cottonseed analysis												Average index				Samples			
	Oil		Ammonia		Linters		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		Average grade		No.	
	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955
2	16.9	17.4	4.33	4.26	10.6	11.7	9.3	9.3	0.5	0.5	1.2	1.7	98.58	100.31	99.8	99.3	98.5	99.5	3	5
3	17.4	17.5	4.34	4.27	10.6	10.3	8.6	10.1	.5	.7	.8	1.0	100.54	99.27	99.9	99.4	100.5	99.0	80	126
4	18.0	18.3	4.28	4.25	11.3	10.6	7.8	8.7	.4	.6	.8	1.1	102.11	102.66	99.8	99.5	102.5	102.0	688	828
5	17.1	17.8	4.25	4.25	11.5	10.7	8.0	9.6	.4	.8	.8	1.1	98.73	100.49	99.9	99.3	98.5	100.0	310	444
6	17.2	17.4	4.21	4.17	10.9	10.2	8.3	10.9	.5	.7	1.2	1.0	99.04	97.99	99.6	99.4	98.5	97.5	425	818
7	17.9	18.6	4.15	4.20	12.4	11.2	7.9	8.9	.4	.7	.7	.8	101.46	104.00	99.9	99.6	101.5	103.5	1,486	1,507
8	17.3	17.7	4.26	4.28	11.6	10.7	8.0	8.8	.4	.6	.7	.7	99.86	100.33	99.9	99.8	99.0	100.0	332	206
9	17.2	17.9	4.15	4.13	10.7	10.1	9.1	10.8	.6	.5	1.4	1.1	98.57	99.69	99.5	99.5	98.0	99.0	63	151
State	17.7	18.1	4.21	4.21	11.7	10.7	8.0	9.5	0.4	0.7	0.8	1.0	100.80	101.65	99.8	99.5	100.5	101.0	3,387	4,085

TENNESSEE

1	18.2	19.1	4.10	3.77	11.0	10.4	10.7	11.8	0.5	0.4	0.7	0.9	102.34	102.64	99.5	99.0	102.0	101.5	3,185	3,934
2	18.4	19.4	4.16	3.92	10.8	10.3	10.1	11.8	.4	.4	.8	1.0	103.67	103.81	99.7	98.9	103.5	102.5	3,966	5,045
3	17.9	18.7	4.25	3.95	10.8	10.2	9.6	10.9	.4	.4	.8	.8	102.02	102.09	99.8	99.5	102.0	101.5	331	329
4	18.0	18.7	4.30	3.92	10.8	10.6	9.2	10.5	.4	.5	.8	.8	102.58	102.35	99.8	99.6	101.5	102.0	228	365
5	18.0	18.9	4.24	3.89	10.9	10.5	9.8	10.4	.5	.5	.7	.8	102.68	102.93	99.9	99.8	102.5	102.5	79	97
6	17.4	19.0	4.20	3.83	12.1	11.3	8.9	10.2	.6	.9	.9	.3	99.70	103.69	100.0	99.5	99.0	103.0	17	27
State	18.3	19.2	4.14	3.76	10.9	10.4	10.3	11.7	0.4	0.4	0.8	1.0	103.00	103.22	99.6	99.0	102.5	102.0	7,806	9,797

TEXAS

1	19.5	19.4	4.11	3.86	9.2	10.0	7.7	7.7	0.6	0.7	1.9	2.0	103.16	103.61	98.9	98.7	102.0	102.5	11,886	8,605
2	18.3	18.6	4.20	4.26	11.6	9.9	7.4	8.2	.5	.6	.8	1.0	104.39	102.55	99.7	99.6	104.0	102.0	3,974	3,768
3	17.1	17.6	4.17	4.32	12.4	11.5	8.1	7.7	.5	.6	.7	.6	99.61	101.02	99.7	99.9	99.0	101.0	252	148
4	17.0	17.4	4.23	4.23	12.9	11.6	7.1	8.2	.5	.7	.9	.8	97.99	100.02	99.6	99.8	98.0	100.0	2,369	1,183
5	17.6	19.0	4.18	3.97	11.8	10.8	7.7	9.3	.5	.9	.9	.8	100.62	104.13	99.8	99.7	100.5	104.0	919	460
6	21.0	21.1	3.74	3.76	11.4	11.2	7.3	7.3	.5	.6	2.0	1.7	111.84	111.45	98.2	99.0	110.5	110.5	1,587	673
7	17.3	17.6	4.23	4.33	12.3	9.9	7.3	7.2	.6	.8	.6	.7	102.64	99.27	99.9	99.9	102.5	99.0	203	148
8	17.8	17.1	4.25	4.19	12.0	12.3	8.0	9.0	.8	1.5	.7	.4	101.43	99.11	99.6	98.9	101.5	98.0	1,261	18
9	17.5	18.0	4.22	4.15	10.9	9.3	9.0	11.6	.7	3.5	.5	.6	100.01	98.88	99.6	89.6	100.0	87.5	594	434
10	18.3	17.3	4.07	4.32	11.2	11.3	10.2	7.5	.6	.8	.6	.8	102.47	100.07	99.1	100.0	102.0	100.0	2,706	3
State	18.8	19.0	4.12	4.00	10.6	10.2	7.9	8.0	0.6	0.8	1.4	1.6	103.05	103.23	99.1	98.8	102.5	102.0	25,751	15,440

Table 6. Percentage distribution of quantity indexes by specified frequencies, by States and United States, 1954-55

State	Quantity Index														105 and over		Total						
	Under 65		65-69		70-74		75-79		80-84		85-89		90-94		95-99		100-104		105 and over		Total		
	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	
Upland	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	0.1	-	-	-	-	-	-	0.4	0.1	4.8	0.6	25.7	6.7	48.5	58.6	20.5	34.0	100.0	100.0				
Ark.	.1	0.1	0.1	0.1	0.1	0.1	0.1	.1	1.3	1.3	.5	31.9	11.4	58.1	62.4	8.4	25.5	100.0	100.0				
Fla.	-	-	-	-	1.0	-	1.0	3.0	1.9	22.1	21.2	51.9	57.6	17.3	12.1	4.8	-	100.0	100.0				
Ill.	-	-	-	-	-	-	-	-	1.7	8.3	4.4	57.8	28.9	31.4	62.3	.8	4.4	100.0	100.0				
Ky.	.8	-	0.7	-	-	-	-	1.6	-	12.2	4.4	63.4	42.6	22.0	50.1	-	2.2	100.0	100.0				
La.	.1	0.1	0.1	0.1	0.1	0.1	0.1	.4	.6	2.4	3.8	35.4	20.1	49.0	51.6	12.5	23.7	100.0	100.0				
Miss.	.1	0.1	0.1	0.1	0.1	0.1	0.1	.1	.1	1.1	.8	24.6	14.6	65.0	59.5	9.1	24.9	100.0	100.0				
Mo.	-	0.1	0.1	0.1	0.1	0.1	0.1	.3	.3	5.0	1.7	45.1	20.0	44.8	54.2	4.6	23.6	100.0	100.0				
Okla.	.1	0.1	0.1	0.1	0.1	0.1	0.1	.1	.8	2.5	6.1	35.8	28.0	51.9	40.3	9.5	24.7	100.0	100.0				
Tenn.	.1	0.1	0.1	0.1	0.1	0.1	0.1	.1	.6	.2	10.8	12.3	64.9	58.7	23.5	28.7	100.0	100.0					
Tex.	.1	0.1	0.1	0.1	0.1	0.1	0.1	.3	1.3	4.7	4.5	19.0	20.4	37.6	35.3	36.8	38.5	100.0	100.0				
All Other	1/	.1	-	-	.1	-	.1	-	.8	.5	4.4	2.6	23.2	12.6	34.1	25.2	37.2	59.1	100.0	100.0			
American-	-	-	-	-	.5	-	2.1	-	5.6	-	22.0	-	46.7	30.0	19.9	40.0	3.2	30.0	100.0	100.0			
Egyptian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6	0.3	3.2	1.7	25.6	15.3	48.0	54.5	22.4	28.0	100.0	100.0				

* Less than 0.05 percent.

1/ See footnote on Table 18.

Table 7. Percentage distribution of quality indexes by specified frequencies, by States and United States, 1954-55

State	Quality Index																			
	Below Grade		Below prime quality																Prime quality	
	1954	1955	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	100	1954	1955	1954	1955	1954	1955	1954	1955	
Upland	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	
Ala.	-	-	-	*	*	-	*	0.2	0.1	0.3	0.3	0.3	1.2	10.9	15.2	88.7	83.1	100.0	100.0	
Ark.	*	*	*	0.2	0.1	0.3	.1	.6	.2	1.7	1.1	32.2	35.2	64.8	63.2	100.0	100.0	100.0	100.0	
Fla.	-	-	-	-	-	-	-	-	-	9.1	1.9	21.2	13.5	57.6	84.6	9.1	100.0	100.0	100.0	
Ill.	-	-	-	.8	-	-	-	.8	2.2	4.1	-	70.3	60.0	21.5	37.8	100.0	100.0	100.0	100.0	
Ky.	-	-	-	-	-	.8	-	.8	-	.8	.7	56.1	64.0	41.5	35.3	100.0	100.0	100.0	100.0	
La.	0.2	0.2	0.1	0.2	.8	.7	1.1	4.5	1.2	4.4	2.2	6.1	5.9	11.7	23.2	27.1	65.3	45.1	100.0	
Miss.	.1	*	*	*	.2	.1	.3	.2	.2	.3	.4	.6	1.0	2.3	15.4	32.8	82.4	63.7	100.0	
Mo.	*	*	-	*	.2	.2	.2	.2	.3	.2	.8	.3	3.5	1.4	45.3	40.1	49.7	57.6	100.0	
Okla.	-	-	-	-	*	.2	-	*	*	*	*	.1	.2	.6	19.9	38.0	79.9	61.1	100.0	
Tenn.	*	-	-	*	*	*	*	.1	.1	.1	.1	.1	.7	1.3	26.2	53.6	72.9	44.8	100.0	
Tex.	.1	.1	*	.1	.3	.1	.3	.1	.3	.2	.5	1.5	1.7	42.1	49.1	55.8	47.6	100.0	100.0	
All Other ^{1/}	*	2.6	*	2.6	.1	5.7	.3	2.8	.4	2.1	.9	1.3	3.1	4.4	25.5	44.1	69.7	34.4	100.0	
American- Egyptian	.2	-	-	-	.2	-	1.2	-	.2	-	1.4	-	13.0	10.0	73.8	50.0	10.0	40.0	100.0	
Total	*	0.1	*	0.2	0.2	0.3	0.5	0.3	0.5	0.6	0.8	2.1	2.3	28.5	37.1	68.0	58.5	100.0	100.0	

* Less than 0.05 percent.

^{1/} See footnote on Table 18.

Table 8. Percentage distribution of grades by specified frequencies, by States and United States, 1954-55

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			
	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955		
<u>Upland</u>	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	
Aia.	*	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.4	0.6	4.5	1.6	24.6	6.8	47.0	53.5	22.8	36.4	0.3	0.8	100.0	100.0
Ark.	0.1	*	.4	.2	.1	.1	.4	.1	.8	.4	3.7	2.2	30.2	13.9	54.7	55.5	9.5	27.1	.1	.5	100.0	100.0
Pia.	-	-	6.1	1.9	3.0	-	6.1	3.8	12.1	19.2	42.4	52.0	24.2	18.3	6.1	2.9	-	2.9	1.9	-	100.0	100.0
Ill.	-	-	.8	-	2.5	-	2.5	-	2.5	-	14.9	13.3	50.3	26.7	24.8	57.8	1.7	2.2	-	-	100.0	100.0
Ky.	-	-	.8	-	.8	-	.7	5.7	.7	17.9	15.4	55.3	35.3	19.5	45.0	-	2.9	-	-	-	100.0	100.0
La.	.2	0.1	1.3	2.8	.8	3.4	1.5	4.3	2.7	6.5	6.7	9.9	32.0	15.3	43.3	37.0	11.0	20.3	.5	.4	100.0	100.0
Miss.	.1	*	.4	.2	.2	.1	.3	.3	.6	.7	2.3	3.9	22.6	16.5	63.0	52.6	10.3	25.0	.2	.7	100.0	100.0
Mo.	-	.1	.5	.4	.4	.1	.9	.3	2.6	.8	10.4	5.1	38.9	21.0	41.4	47.3	4.8	24.3	.1	.6	100.0	100.0
Okla.	.1	.1	.1	.1	*	*	*	.1	.3	1.5	2.8	7.0	33.4	26.2	52.4	40.2	10.5	22.9	.4	1.9	100.0	100.0
Tenn.	*	.1	.1	.1	.1	*	.1	.1	.4	.2	1.7	3.6	11.2	20.6	60.9	46.3	25.4	28.7	.1	.3	100.0	100.0
Tex.	*	.2	.2	.5	.3	.3	.7	.7	2.0	1.7	6.1	6.7	19.6	20.8	35.2	33.0	27.0	27.3	8.9	8.8	100.0	100.0
All other 1/	.1	2.3	.3	8.5	.4	2.6	.7	1.0	1.9	2.6	5.7	7.2	21.3	9.0	33.3	15.4	25.5	21.6	10.8	29.8	100.0	100.0
American- Egyptian	-	10.0	1.4	-	.9	-	3.9	-	10.4	-	28.9	10.0	42.5	30.0	10.2	20.0	1.6	-	.2	30.0	100.0	100.0
Total	0.2	0.1	0.4	0.4	0.3	0.4	0.6	0.6	1.4	1.2	5.0	4.4	24.1	16.9	45.4	47.6	18.3	26.4	4.4	2.0	100.0	100.0

* Less than 0.05 percent.
1/ See footnote on Table 18.

Table 9. Percentage distribution of oil by specified frequencies, by States and United States, 1954-55

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		
	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	
Upland	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	0.1	0.2	1.7	0.1	5.9	0.2	12.3	0.7	13.2	1.7	17.7	5.2	24.8	14.3	18.0	24.6	6.3	44.3	8.5	0.2	100.0	100.0	
Ark.	.3	.1	.2	*	1.4	.1	7.1	.3	19.5	1.3	28.0	5.0	25.5	15.1	13.4	28.5	4.5	44.5	0.1	5.0	.1	100.0	100.0
Fla.	1.9	3.0	6.7	3.0	17.3	18.2	26.0	30.4	27.9	24.2	6.7	18.2	7.7	3.0	1.0	-	2.9	-	1.9	-	-	100.0	100.0
Ill.	-	1.7	-	3.3	-	9.1	4.4	21.5	8.9	42.9	13.3	15.7	6.7	4.1	31.1	1.7	35.6	-	-	-	-	100.0	100.0
Ky.	.8	-	2.4	-	8.9	.7	21.1	.7	31.0	13.2	26.9	21.3	7.3	14.7	-	32.5	1.6	16.9	-	-	-	100.0	100.0
La.	.4	.2	.7	.1	2.0	.3	10.6	.8	23.1	2.0	22.4	5.7	16.6	14.2	12.5	24.9	11.1	44.3	.6	7.2	.3	100.0	100.0
Miss.	.3	.2	.3	.1	1.0	.2	5.4	.6	17.1	2.1	28.7	7.5	29.0	18.5	14.1	26.6	3.9	39.0	.2	5.1	.1	100.0	100.0
Mo.	.1	.2	.5	.4	2.6	.6	9.9	1.9	23.2	5.9	30.6	11.2	20.4	16.9	9.2	21.9	3.4	33.2	.1	7.5	.3	100.0	100.0
Okla.	.1	*	.5	1.4	3.1	3.7	14.3	8.9	25.2	15.0	23.8	17.4	15.9	16.9	10.5	14.5	6.2	18.9	.4	3.2	.1	100.0	100.0
Tenn.	.1	.1	.1	-	.3	.1	1.8	.1	5.8	.6	17.7	2.4	32.0	9.1	30.1	21.1	12.0	51.4	.1	14.7	.4	100.0	100.0
Tex.	.5	.3	2.1	1.2	3.4	2.6	6.2	5.0	9.0	7.2	9.7	8.6	9.5	10.1	10.8	11.9	24.6	24.6	15.5	18.6	8.7	9.9	100.0
All Other 1/	.4	-	1.1	.8	3.3	.8	8.7	1.8	14.0	3.1	15.1	9.8	11.7	10.8	8.8	9.0	19.3	17.5	13.2	18.3	4.4	28.1	100.0
American- Egyptian	.5	-	-	-	-	-	.2	-	.2	-	.2	-	-	-	.7	-	3.9	-	12.7	10.0	81.6	90.0	100.0
Total	0.3	0.2	0.9	0.3	2.5	0.7	7.5	1.6	15.1	3.3	20.0	7.0	18.9	14.7	12.8	23.2	12.7	38.7	6.3	8.5	3.0	1.8	100.0

* Less than 0.05 percent.
1/ See footnote on Table 18.

Table 10. Percentage distribution of ammonia by specified frequencies, by States and United States, 1954-55

State	Ammonia														Total									
	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		4.15 and over					
	1954	Pct.	1955	Pct.	1954	Pct.	1955	Pct.	1954	Pct.	1955	Pct.	1954	Pct.	1955	Pct.	1954	Pct.	1955	Pct.	1954	Pct.	1955	Pct.
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.	0.1	0.1	-	*	0.1	*	0.7	0.1	2.3	0.1	7.2	0.3	20.2	1.7	33.6	10.5	28.3	87.2	7.5	100.0	100.0	100.0	100.0	
Ark.	.1	.1	*	*	.1	*	.1	*	.8	.4	5.0	2.1	16.8	12.6	29.5	36.3	28.8	48.5	18.9	100.0	100.0	100.0	100.0	
Fla.	-	3.0	1.0	-	-	-	6.1	-	12.1	1.0	39.4	4.8	33.3	11.5	6.1	46.1	-	35.6	-	100.0	100.0	100.0	100.0	
Ill.	-	-	-	-	-	-	0.8	-	4.1	28.9	6.6	51.1	16.5	8.9	33.9	6.7	33.1	-	5.0	4.4	100.0	100.0	100.0	
Ky.	-	-	-	-	-	-	-	-	8.8	-	47.8	2.4	30.9	17.9	11.8	61.8	.7	17.9	-	100.0	100.0	100.0	100.0	
La.	.1	.2	*	*	.2	.3	1.7	.8	6.3	2.3	12.1	7.0	17.7	15.3	22.3	23.7	17.9	50.5	21.6	100.0	100.0	100.0	100.0	
Miss.	.2	.1	*	*	.1	.3	.1	2.2	.3	7.7	1.8	16.4	8.0	19.9	27.8	20.3	61.7	33.1	100.0	100.0	100.0	100.0	100.0	
Mo.	.1	.1	*	-	-	.6	-	.5	7.5	1.9	25.5	8.6	30.9	27.8	23.7	38.2	9.7	22.9	2.0	100.0	100.0	100.0	100.0	
Okla.	.1	*	-	-	-	.1	*	*	*	.3	.3	.9	1.9	7.6	7.9	21.5	20.9	69.5	68.9	100.0	100.0	100.0	100.0	
Tenn.	.1	.1	-	*	.1	*	1.2	.1	7.2	.2	24.0	1.3	38.1	9.5	22.4	35.7	6.1	53.1	.8	100.0	100.0	100.0	100.0	
Tex.	.2	.1	*	*	.1	.2	.4	.7	3.3	2.6	11.3	7.1	18.9	14.2	17.4	24.6	14.2	50.4	34.3	103.0	103.0	103.0	103.0	
All Other 1/	.2	-	*	-	0.1	-	.6	1.8	2.4	5.1	6.5	25.4	12.2	34.8	17.2	18.5	19.1	8.2	41.7	6.2	100.0	100.0	100.0	
American-Egyptian	1.4	-	-	-	-	-	-	.5	-	4.4	-	13.0	-	31.0	-	25.2	70.0	24.5	30.0	100.0	100.0	100.0	100.0	
Total	0.2	0.1	*	*	*	*	0.2	0.5	0.8	3.1	2.4	10.5	5.8	19.7	13.4	22.8	26.3	19.6	50.9	23.7	100.0	100.0	100.0	100.0

* Less than 0.05 percent.

1/ See footnote on Table 18.

Table 11. Percentage distribution of linters by specified frequencies, by States and United States, 1954-55

State	Linters														Total				
	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		
	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	
<u>Upland</u>	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	
Ala.	0.1	0.1	0.3	0.3	4.1	13.6	22.7	46.9	27.6	22.0	16.4	11.1	14.0	5.1	13.9	0.9	0.9	•	100.0
Ark.	•	•	1.6	3.6	15.4	34.7	40.0	42.1	30.8	15.2	9.8	3.6	1.8	.7	.5	.1	.1	•	100.0
Fla.	1.9	-	1.0	-	-	-	1.0	-	4.9	9.1	10.7	30.3	20.4	42.4	50.4	18.2	9.7	-	100.0
Ill.	-	-	-	-	2.5	8.9	15.7	37.8	56.2	26.7	21.5	24.4	4.1	2.2	-	-	-	-	100.0
Ky.	-	-	-	-	2.4	5.9	30.9	37.5	55.3	45.6	10.6	10.3	.8	.7	-	-	-	-	100.0
La.	.3	.3	10.6	14.9	41.6	44.4	35.7	30.8	9.6	8.2	1.8	1.3	.3	.1	.1	-	-	•	100.0
Miss.	.1	.1	2.0	3.4	20.5	33.6	46.0	45.0	22.4	14.3	6.9	3.0	1.7	.4	.3	.1	.1	0.1	100.0
Mo.	.1	•	.5	.4	1.8	3.9	14.3	23.6	42.7	44.4	32.9	22.2	7.1	5.0	.6	.5	•	•	100.0
Okla.	•	.3	.8	2.8	5.7	17.4	18.2	37.8	30.5	31.0	30.2	9.5	12.2	1.2	2.3	•	.1	-	100.0
Tenn.	.1	.1	.2	.9	9.4	25.9	47.2	56.1	33.8	15.3	8.2	1.5	1.1	.1	•	•	•	.1	100.0
Tex.	3.8	2.0	18.3	18.8	14.0	22.2	18.9	25.4	18.9	19.4	14.8	8.8	7.6	2.8	3.4	.5	.4	.1	100.0
All Other ^{1/}	.2	.8	.2	3.6	.8	11.4	3.3	20.9	9.6	24.5	22.3	23.8	28.5	10.3	32.5	4.4	2.6	.3	100.0
American- Egyptian	97.3	100.0	-	-	-	-	.7	-	1.6	-	-	-	.2	-	.2	-	-	-	100.0
Total	1.2	0.4	4.9	6.0	12.0	28.3	25.5	39.7	21.6	18.1	14.7	5.8	10.2	1.5	9.1	0.2	0.8	•	100.0

• Less than 0.05 percent.
^{1/} See footnote on Table 18.

Table 12. Percentage distribution of moisture in cottonseed samples by specified frequencies, by States and United States, 1954

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	
<u>Upland</u>	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
Ark.	87.9	12.1	*	.1	3.2	26.7	22.6	21.2	14.1	10.1	1.8	.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
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
Okla.	99.5	.5	-	.1	18.0	66.1	10.7	3.7	.9	.5	-	-	-	-	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
All Other 1/	93.0	6.9	.1	.6	16.3	47.8	15.2	8.4	4.7	4.3	1.7	.7	.2	.1	100.0
American- Egyptian	99.8	.2	-	3.2	51.0	37.8	3.9	3.0	.9	.2	-	-	-	-	100.0
Total	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

Table 13. 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 - 10.1	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	
<u>Upland</u>	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
Fla.	33.3	57.6	9.1	-	-	-	-	3.0	30.3	33.3	9.1	6.1	9.1	9.1	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
Okla.	89.2	10.8	*	*	1.8	51.5	15.8	11.6	8.5	8.4	2.1	.2	.1	*	100.0
Tenn.	59.9	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/	89.2	10.3	.5	-	40.4	26.2	7.5	8.7	6.4	4.9	2.6	2.3	.5	.5	100.0
American- Egyptian	100.0	-	-	-	20.0	50.0	10.0	10.0	10.0	-	-	-	-	-	100.0
Total	80.5	19.3	0.2	*	5.5	21.7	21.2	18.4	13.7	13.4	4.4	1.2	0.3	0.2	100.0

* Less than 0.05 percent

1/ See footnote on Table 18.

Table 14. Percentage distribution of free fatty acid in cottonseed samples, by specified frequencies, by States and United States, 1954

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	
Upland	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Ala.	: 99.7	0.3	*	: 39.6	57.5	2.2	0.4	0.2	*	0.1	-	*	-	*	100.0
Ark.	: 98.0	2.0	*	: 43.9	49.7	3.0	1.4	1.0	0.6	.2	0.1	0.1	*	*	100.0
Fla.	: 98.1	1.9	-	: -	72.2	22.1	3.8	1.9	-	-	-	-	-	-	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	0.3	: 39.0	30.9	11.9	4.5	6.2	4.0	1.6	.8	.5	0.3	0.3	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
Okla.	: 99.8	.2	-	: 65.8	32.7	1.0	.3	.1	.1	-	-	-	-	-	100.0
Tenn.	: 99.8	.2	*	: 79.1	19.8	.6	.2	.1	.1	*	*	*	*	*	100.0
Tex.	: 99.5	.5	*	: 42.5	51.8	4.6	.5	.3	.1	.1	*	*	*	*	100.0
All Other 1/	: 91.5	8.4	.1	: 36.3	43.6	7.6	4.0	5.4	2.4	.5	.1	*	*	.1	100.0
American-Egyptian	: 97.4	2.6	-	: 6.0	60.9	26.6	3.9	1.9	.5	-	-	.2	-	-	100.0
Total	: 96.2	3.7	0.1	: 47.6	42.0	4.8	1.8	2.1	1.1	0.3	0.1	0.1	*	0.1	100.0

Table 15. 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	
Upland	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.	: 99.1	.9	*	: 58.8	37.5	2.1	.6	.6	.2	.1	*	*	*	*	100.0
Fla.	: 60.6	39.4	-	: -	6.1	33.3	21.2	21.2	15.2	3.0	-	-	-	-	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
Okla.	: 98.9	1.1	-	: 18.7	67.3	11.2	1.7	1.0	.1	*	-	-	-	-	100.0
Tenn.	: 99.7	.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/	: 80.0	11.3	8.7	: 25.4	44.8	6.2	3.6	3.1	1.5	2.3	2.3	1.8	.3	8.7	100.0
American-Egyptian	: 100.0	-	-	: -	70.0	30.0	-	-	-	-	-	-	-	-	100.0
Total	: 94.6	5.3	0.1	: 45.0	40.3	7.0	2.3	2.6	1.6	0.7	0.3	0.1	*	0.1	100.0

* Less than 0.05 percent.
 1/ See footnote on Table 18.

Table 16. Percentage distribution of foreign matter in cottonseed samples by specified frequencies, by States and United States, 1954.

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	
<u>Upland</u>	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
Ark.	: 71.4	28.0	0.6 :	35.7	35.7	16.5	6.0	2.4	1.6	.8	.5	0.2	0.6	100.0
Fla.	: 97.1	2.9	- :	81.7	15.4	1.0	1.9	-	-	-	-	-	-	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
Okla.	: 79.8	20.2	- :	41.1	38.7	16.1	2.7	.9	.3	.1	.1	*	-	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
All Other <u>1/</u>	: 77.2	22.6	.2 :	48.2	29.0	15.0	3.8	1.9	1.0	.5	.3	.1	.2	100.0
<u>American- Egyptian</u>	: 9.7	89.1	1.2 :	3.9	5.8	17.8	16.2	20.4	16.2	14.1	3.2	1.2	1.2	100.0
Total	: 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

Table 17. 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	
<u>Upland</u>	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
Fla.	: 90.9	9.1	- :	33.3	57.6	6.1	3.0	-	-	-	-	-	-	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.	: 86.7	13.3	* :	57.8	28.8	11.1	1.4	.5	.2	*	.1	*	*	100.0
Miss.	: 83.9	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
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>	: 55.0	44.0	1.0 :	28.8	26.2	23.9	10.3	5.9	2.8	.3	.5	.3	1.0	100.0
<u>American- Egyptian</u>	: 30.0	70.0	- :	10.0	20.0	30.0	30.0	-	-	10.0	-	-	-	100.0
Total	: 75.3	24.5	0.2 :	44.1	31.2	15.3	4.9	2.2	1.3	0.5	0.2	0.1	0.2	100.0

* Less than 0.05 percent.

1/ See footnote on Table 18.

Table 18. Number of cottonseed samples by specified groups, by qualities, and number reduced in grade for specified causes, by States and United States, 1954-55

State	Quality						Reduced due to excess							
	Prime		Below prime and off quality		Below grade		Total samples graded		Moisture		Free fatty acids		Foreign matter	
	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955
<u>Upland</u>	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Ala.	5,926	5,364	756	1,091	-	6,682	6,455	106	507	23	183	610	693	610
Ark.	13,224	15,069	7,216	8,802	10	20,450	23,876	2,488	4,133	430	250	5,654	5,857	5,654
Fla.	88	3	16	30	-	104	33	12	22	2	13	3	3	3
Ill.	26	17	95	28	-	121	45	52	20	7	1	13	65	13
Ky.	51	48	72	88	-	123	136	57	71	2	-	40	34	40
La.	4,808	3,271	2,540	3,958	13	7,361	7,243	1,473	2,304	1,007	2,833	1,005	1,005	970
Miss.	17,162	17,462	3,670	9,952	12	20,844	27,416	1,302	5,967	689	1,671	3,059	3,059	4,433
Mo.	3,178	3,600	3,231	2,656	1	6,410	6,259	2,330	1,716	166	91	1,693	1,693	1,549
Okla.	2,702	2,494	685	1,591	-	3,387	4,085	17	444	5	46	682	682	1,217
Tenn.	5,684	4,390	2,122	5,407	2	7,806	9,797	980	3,930	25	33	1,561	1,561	2,713
Texas	14,374	7,351	11,363	8,066	14	25,751	15,440	814	550	150	248	10,744	10,744	7,532
All Other ^{1/}	20,571	134	8,937	245	4	29,512	389	2,069	42	2,527	78	6,733	6,733	175
American- <u>Egyptian</u>	43	4	388	6	1	432	10	1	-	11	-	390	390	7
<u>Total</u>	87,837	59,207	41,091	41,920	57	128,983	101,184	11,701	19,706	5,044	5,447	32,519	32,519	24,916

^{1/} Includes Arizona, California, New Mexico, North Carolina, South Carolina, Georgia, and Virginia. A very limited number of official cottonseed grade certificates were received for these states in the 1955 season.

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