

COTTONSEED QUALITY

CROP OF 1976



UNITED STATES DEPARTMENT OF AGRICULTURE

Agricultural Marketing Service Cotton Division

Memphis, Tennessee

July 1977

CONTENTS

<u>Table</u>	<u>Page</u>
Introduction	1-2
Map of classing office territories of the cotton-producing states	4
1. Cottonseed quality factors, indexes and grades, United States, 1952-1976	1
2. Examples of the computation of cottonseed quality and quantity indexes and grades, by qualities, in accordance with the Official Standards of the United States	3
3. Cottonseed: Quality factors, indexes and grades, by states and United States, 1975 and 1976	5
4. Cottonseed: Quality factors, indexes and grades, by specified periods and states, 1975 and 1976	6-9
5. Cottonseed: Quality factors, indexes and grades by classing office territories, by states, 1975 and 1976	10-11
6. Percentage distribution of quantity index by specified frequencies, by states and United States, 1975 and 1976	12
7. Percentage distribution of quality index by specified frequencies, by states and United States, 1975 and 1976	13
8. Percentage distribution of grades by specified frequencies, by states and United States, 1975 and 1976	14
9. Percentage distribution of oil by specified frequencies, by states and United States, 1975 and 1976	15
10. Percentage distribution of ammonia by specified frequencies, by states and United States, 1975 and 1976	16
11. Percentage distribution of moisture in cottonseed samples by specified frequencies, by states and United States, 1975	17
12. Percentage distribution of moisture in cottonseed samples by specified frequencies, by states and United States, 1976	18
13. Percentage distribution of free fatty acids in cottonseed samples by specified frequencies, by states and United States, 1975	19
14. Percentage distribution of free fatty acids in cottonseed samples by specified frequencies, by states and United States, 1976	20
15. Percentage distribution of foreign matter in cottonseed samples by specified frequencies, by states and United States, 1975	21
16. Percentage distribution of foreign matter in cottonseed samples by specified frequencies, by states and United States, 1976	22
17. Number of cottonseed samples by specified groups, by qualities, and number reduced in grade for specified causes, by states and United States, 1975 and 1976	23

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
MARKET NEWS SECTION - COTTON DIVISION
4841 SUMMER AVENUE - MEMPHIS, TN 38122
Telephone (901) 521-2934

Cottonseed Quality - 1976 Crop

Cottonseed from the 1976 crop was higher in grade than a year earlier, according to the Cotton Division, Agricultural Marketing Service, USDA. The average grade was 97.5, up from 96.5 for the 1975 crop and 95.5 in 1974. The quality index was 98.4 against 97.0 and 96.5 in 1975 and 1974, respectively. Free fatty acids content was lower than 1975, foreign matter content was slightly higher, and moisture content was the same. The quantity index of cottonseed from the 1976 crop was 98.93, down from 99.50 the previous year. Average oil content of seed from the 1976 crop was slightly lower than the previous year while ammonia content was higher.

Data from grade certificates covering 52,048 samples of cottonseed were used to compile the information included in this report. Averages of cottonseed quantity and quality factors, and grades are shown by states (when sufficient certificates were received), by classing office territories, by months and by specified frequencies. Average grade factors of cottonseed are shown by states in Table 3. Data from Arizona and California are included in the "all other" category because only a light volume of cottonseed from these states was officially graded. The averages in this report are arithmetic means of grade factors and indexes tabulated and averaged from the individual grade certificates issued by chemists licensed by the U. S. Department of Agriculture.

The summary of national averages appearing in Table 1 below and presented in other tables of this report are based on state quantity and quality factors, and grades weighted by the number of certificates received.

Table 1. Cottonseed grade factors, indexes and grades,
1952-1976

Year beginning August 1	Quantity Factors			Quality Factors			Quantity	Quality	Average grade	Number of samples
	Oil	Ammonia	Linters	Moisture	Free fatty acids	Foreign matter				
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Index</u>	<u>Index</u>		<u>Number</u>
1952	18.6	4.04	-	9.5	1.0	0.9	102.95	98.1	101.0	145,146
1953	18.7	4.00	-	9.0	0.7	0.8	103.46	99.0	102.5	166,916
1954	18.2	4.12	11.4	9.2	0.7	1.0	102.07	99.2	101.5	128,983
1955	18.9	3.95	10.4	10.4	0.7	0.9	102.96	98.9	102.0	101,174
1956	18.9	4.12	10.2	9.1	0.5	0.8	103.51	99.5	103.0	79,071
1957	18.8	3.78	10.0	12.5	2.5	1.3	100.81	92.9	93.5	74,016
1958	19.0	3.76	10.4	11.5	1.4	1.0	102.09	97.0	99.0	72,076
1959	18.8	3.89	10.2	11.4	1.3	0.9	102.10	97.1	100.0	87,772
1960	18.6	3.98	9.7	11.7	1.6	1.1	100.70	95.7	96.0	83,410
1961	18.8	3.83	10.1	10.9	0.9	1.2	101.16	98.0	99.5	92,251
1962	18.2	3.96	10.1	11.1	1.4	1.1	98.54	97.6	96.5	98,390
1963	18.7	4.05	10.3	9.3	0.7	1.1	103.55	99.2	103.0	86,035
1964	18.4	3.98	10.4	10.6	0.9	1.1	102.07	98.5	100.5	91,881
1965	18.0	4.00	10.3	11.1	1.2	1.2	100.49	97.9	98.5	108,828
1966	18.2	3.97	10.8	10.7	0.9	1.3	101.84	98.8	101.0	71,072
1967	18.4	3.89	10.7	10.1	0.9	1.3	101.97	98.5	100.5	45,838
1968	18.0	3.91	11.2	10.6	0.7	1.2	100.91	98.9	100.0	67,254
1969	17.9	3.97	11.1	10.6	0.9	1.3	101.03	98.3	99.5	62,522
1970	17.8	3.92	11.3	10.8	1.6	1.3	100.52	97.1	98.0	60,118
1971	17.7	3.84	11.0	11.1	1.5	1.5	99.29	96.2	95.5	57,960
1972	17.3	3.92	1/	11.9	1.6	1.6	97.67	95.7	94.0	71,210
1973	18.0	3.94	1/	11.0	1.3	1.4	100.81	96.7	98.0	62,504
1974	17.7	3.82	1/	11.0	1.6	1.6	98.42	96.5	95.5	61,114
1975	18.0	3.75	1/	10.6	1.4	1.6	99.50	97.0	96.5	44,250
1976	17.7	3.88	1/	10.6	0.7	1.8	98.93	98.4	97.5	52,048

1/ The linters factor was eliminated from official grade standards effective September 4, 1972.

Standards for Grades of Cottonseed Sold or Offered for Sale
for Crushing Purposes Within the United States

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

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

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

- (a) For Upland cottonseed the quantity index shall equal 4 times the percentage of oil plus 6 times the percentage of ammonia plus 5.
- (b) For American Pima cottonseed the quantity index shall equal 4 times the percentage of oil plus 6 times the percentage of ammonia minus 10.

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

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

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

Ex-ample 2/	Quality Factors						Quantity Factors						Grade					
	FFA 3/		FM 4/		H ₂ O 5/		Total reduc-tions 6/		Quality index		Oil			NH ₃ 8/		Sum of pro-ducts	Adjust-ment factors	Quan-tity index
	Total	Re-duction	Total	Re-duction	Total	Re-duction	Total	Re-duction	Total	Pro-duct 7/	Total	Pro-duct 7/						
Pct.	Units	Pct.	Units	Pct.	Units	Pct.	Units	Pct.	Units	Pct.	Units	Pct.	Units	Pct.	Units	Pct.	Units	
<u>PRIME QUALITY SEED</u>																		
1	0.5	0.0	0.3	0.0	10.0	0.0	0.0	0.0	0.0	100.0	19.0	76.0	3.60	21.60	97.60	+5	102.60	102.5
2	1.8	0.0	1.0	0.0	12.0	0.0	0.0	0.0	0.0	100.0	17.8	71.2	4.10	24.60	95.80	+5	100.80	101.0
3	1.2	0.0	0.8	0.0	9.6	0.0	0.0	0.0	0.0	100.0	16.2	64.8	3.97	23.82	88.62	+5	93.62	93.5
<u>BELOW PRIME QUALITY SEED</u>																		
4	1.9	0.4	1.0	0.0	12.0	0.0	0.0	0.4	99.6	18.5	74.0	3.50	21.00	95.00	+5	100.00	99.5	
5	1.8	0.0	1.1	0.1	12.0	0.0	0.0	0.1	99.9	19.7	78.8	3.75	22.50	101.30	+5	106.30	106.0	
6	1.8	0.0	1.0	0.0	12.1	0.1	0.1	0.1	99.9	17.3	69.2	4.23	25.38	94.58	+5	99.58	99.5	
7	1.9	0.4	1.1	0.1	12.1	0.1	0.1	0.6	99.4	15.8	63.2	2.98	17.88	81.08	+5	86.08	85.5	
8	2.5	2.8	3.2	2.2	7.4	0.0	5.0	24.7	98.8	4.15	24.90	4.15	24.90	123.70	-10	113.70	108.0 AP	
<u>OFF QUALITY SEED</u>																		
Treated (other than usual), Fermented, Hot																		
9	12.5	42.8	0.7	0.0	12.0	0.0	42.8	20.1	80.4	3.67	22.02	102.42	102.42	102.42	+5	107.42	61.5	
10	1.8	0.0	10.1	9.1	12.0	0.0	9.1	16.9	67.6	4.13	24.78	92.38	92.38	92.38	+5	97.38	88.5	
11	1.8	0.0	1.0	0.0	20.1	8.1	8.1	18.8	75.2	3.80	22.80	98.00	98.00	98.00	+5	103.00	94.5	
12	1.8	0.0	15.8	14.8	11.1	0.0	14.8	19.3	77.2	4.08	24.48	101.68	101.68	101.68	+5	106.68	91.0	
13	4.6	11.2	11.5	10.5	9.2	0.0	21.7	16.4	65.6	4.32	25.92	91.52	91.52	91.52	+5	96.52	75.5	
<u>BELOW GRADE SEED</u>																		
14	10.5	34.8	20.8	19.8	15.6	3.6	58.2	41.8	17.0	68.0	3.41	20.46	88.46	88.46	+5	93.46	80*	
15	17.5	62.8	0.5	0.0	14.1	2.1	64.9	35.1	19.5	78.0	3.94	23.64	101.64	101.64	+5	106.64	80*	

1/ Important key figures that determine the range of various qualities of cottonseed are underscored.
2/ Example "8", demonstration of application of grading system on American Pima seed; all others relate to upland cottonseed.
3/ Free fatty acids in the oil in the seed.
4/ Foreign matter in the seed.
5/ Moisture in the seed.
6/ Reductions are the adjustments made in the quality index for excesses of free fatty acids, foreign matter, and moisture above or below tolerances.
7/ "Products" are percentages of oil and ammonia in the seed multiplied by the factor used in computing the quantity index.
8/ Ammonia in the seed.
* Below grade 40. No numerical grade is indicated.

Table 3. Cottonseed: Quality factors, indexes and grades, by states and United States, 1975 and 1976

State	Cottonseed analysis												Average index				Average grade	
	Oil		Ammonia		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1975	1976		
	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976				
NC	Pct. 19.3	Pct. 19.2	Pct. 4.09	Pct. 4.28	Pct. 11.3	Pct. 10.5	Pct. 7.3	Pct. 0.7	Pct. 1.2	Pct. 1.0	106.95	107.43	76.6	99.4	81.5	107.0		
SC	19.4	19.8	4.08	4.20	11.0	10.4	5.6	0.9	1.2	1.1	107.50	109.86	84.0	98.8	90.5	109.0		
GA	19.8	19.9	3.90	4.17	11.0	10.4	5.7	3.2	0.9	0.7	107.93	109.81	84.3	93.8	90.5	103.0		
AL	18.9	18.1	3.64	3.89	11.8	11.7	3.1	1.0	1.6	1.7	102.43	100.90	93.3	98.0	95.5	99.0		
MS	18.1	16.6	3.59	3.82	12.2	11.8	1.1	0.5	1.2	1.4	98.72	94.22	98.4	98.8	97.5	93.5		
TN	18.4	17.3	3.55	3.71	12.7	11.9	1.2	0.5	1.1	2.1	99.72	96.22	98.4	98.3	98.5	95.0		
MO	17.6	16.6	3.61	3.89	12.5	11.7	1.1	0.5	1.1	1.3	96.90	94.52	98.5	98.8	96.0	94.0		
AR	17.5	16.6	3.68	3.90	11.9	11.5	0.8	0.4	0.8	1.0	97.17	94.44	99.0	99.3	96.5	94.0		
LA	18.6	17.4	3.52	3.82	11.7	10.8	1.0	0.5	0.7	0.9	100.34	97.50	99.1	99.6	99.5	97.5		
OK	18.4	18.4	3.89	4.18	9.3	9.0	0.6	0.6	2.3	1.8	101.76	103.85	98.6	99.2	100.5	103.0		
TX	17.6	18.3	3.90	3.86	8.3	9.2	0.7	0.6	2.5	2.7	98.61	101.41	97.9	98.0	97.0	99.5		
NM	19.2	19.6	3.85	3.77	7.4	8.7	0.4	0.6	2.2	2.5	104.56	106.29	98.7	98.2	103.5	105.0		
All other	18.8	18.5	3.96	3.98	8.1	8.6	1.4	0.8	1.2	1.4	103.77	102.82	96.5	99.2	100.5	102.5		
U. S.	18.0	17.7	3.75	3.88	10.6	10.6	1.4	0.7	1.6	1.8	99.50	98.93	97.0	98.4	96.5	97.5		

Table 4. Cottonseed: Quality factors, indexes and grades, by specified periods and states, 1975 and 1976

NORTH CAROLINA

Month	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1975	1976	No.	No.		
	1975	1976	Pct.	Pct.	1975	1976	Pct.	Pct.	1975	1976	Pct.	Pct.	1975	1976	1975	1976	1975	1976		
Sept.	17.5	20.7	4.07	4.07	12.9	9.6	1.2	8.0	0.7	0.9	98.83	112.50	99.1	77.5	98.5	87.5	6	2		
Oct.	19.3	18.9	4.15	4.25	11.6	11.9	8.4	0.5	0.9	0.5	107.36	106.44	74.1	99.2	78.5	106.0	138	102		
Nov.	19.4	19.2	4.06	4.29	11.3	10.1	7.7	0.5	1.3	1.0	106.91	107.55	74.3	99.7	80.0	107.5	316	310		
Dec.	19.3	19.1	4.08	4.26	11.0	10.6	5.5	0.7	1.2	1.4	106.92	107.12	83.7	99.3	88.0	106.5	98	126		
Jan.	19.2	19.2	4.20	4.38	10.1	11.0	4.2	0.8	2.0	1.4	107.57	107.66	90.0	99.2	96.5	107.5	14	22		
Feb.	18.9	19.2	3.92	4.31	10.6	9.6	6.9	1.2	1.0	1.5	104.67	107.58	80.1	98.9	85.5	107.0	6	20		
Mar. and later	20.0	20.1	4.30	4.34	9.1	9.4	7.6	1.3	2.2	1.1	110.63	110.77	76.8	99.2	83.0	110.0	4	26		

Season	19.3	19.2	4.09	4.28	11.3	10.5	7.3	0.7	1.2	1.0	106.95	107.43	76.6	99.4	81.5	107.0	582	608
--------	------	------	------	------	------	------	-----	-----	-----	-----	--------	--------	------	------	------	-------	-----	-----

SOUTH CAROLINA

Sept.	19.0	18.8	4.00	4.18	11.8	10.7	2.2	3.2	1.7	0.9	105.14	105.29	92.0	88.6	98.5	96.0	44	34
Oct.	19.1	19.4	4.06	4.17	11.6	11.9	6.4	0.6	1.1	0.6	105.90	108.08	80.3	99.1	84.5	107.5	286	280
Nov.	19.5	19.9	4.07	4.23	11.4	10.1	6.1	0.6	1.1	1.0	107.81	110.21	81.9	99.5	88.5	110.0	316	494
Dec.	19.7	19.9	4.07	4.15	10.2	10.6	4.1	0.8	1.1	1.4	108.76	109.64	90.5	99.1	98.5	109.0	182	284
Jan.	19.4	20.2	4.18	4.22	10.1	10.1	5.9	1.2	1.3	1.0	107.99	111.61	84.4	98.6	91.0	110.0	74	118
Feb.	19.8	20.3	4.09	4.26	9.5	8.9	5.1	1.2	1.7	1.3	108.84	111.97	86.3	99.3	94.5	111.5	58	90
Mar. and later	20.1	20.2	4.18	4.23	9.1	9.0	5.8	2.0	1.6	1.3	110.56	111.27	85.1	97.1	93.0	108.0	40	102

Season	19.4	19.8	4.08	4.20	11.0	10.4	5.6	0.9	1.2	1.1	107.50	109.86	84.0	98.8	90.5	109.0	1,000	1,402
--------	------	------	------	------	------	------	-----	-----	-----	-----	--------	--------	------	------	------	-------	-------	-------

GEORGIA

Aug.	-	19.7	-	4.07	-	9.6	-	6.0	-	0.9	-	108.75	-	87.5	-	91.0	-	2
Sept.	19.3	19.3	4.13	4.02	10.0	10.6	6.4	7.7	1.2	1.9	107.29	105.88	80.8	64.7	87.0	73.5	14	12
Oct.	19.6	19.3	3.91	4.17	11.4	11.4	6.4	2.1	0.8	0.6	107.31	107.71	81.5	97.4	87.0	105.0	266	310
Nov.	19.9	20.0	3.88	4.19	11.4	10.0	6.5	2.6	0.7	0.6	108.01	110.38	81.1	96.2	87.0	106.5	548	742
Dec.	20.0	19.7	3.90	4.13	10.7	10.8	4.9	3.1	0.8	0.7	108.46	109.02	87.2	94.1	94.5	102.5	386	358
Jan.	19.6	20.0	3.92	4.16	11.0	11.0	3.8	4.3	1.1	0.9	107.39	110.34	91.9	89.9	99.0	99.5	120	128
Feb.	19.4	20.4	4.00	4.19	9.8	9.4	4.9	5.1	1.9	1.0	107.01	112.17	85.9	87.2	92.5	97.5	54	138
Mar. and later	19.8	20.2	4.02	4.20	10.1	9.1	4.0	6.0	1.2	1.6	108.52	111.47	91.3	82.3	99.0	92.5	60	100

Season	19.8	19.9	3.90	4.17	11.0	10.4	5.7	3.2	0.9	0.7	107.93	109.81	84.3	93.8	90.5	103.0	1,448	1,790
--------	------	------	------	------	------	------	-----	-----	-----	-----	--------	--------	------	------	------	-------	-------	-------

Table 4. Cottonseed: Quality factors, indexes and grades, by specified periods and states, 1975 and 1976 (Continued)

ALABAMA

Month	Cottonseed analysis										Average index				Average grade		Samples	
	Oil		Ammonia		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1975		1976	
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	1975	1976	1975	1976	No.	No.	1975	1976
Sept.	18.0	18.5	3.77	3.86	12.3	11.7	4.3	5.7	2.3	1.7	99.75	102.09	89.2	83.5	89.5	85.0	10	28
Oct.	18.8	18.1	3.61	4.01	12.2	11.5	3.4	1.2	1.3	1.2	101.80	101.66	92.3	98.3	94.0	100.5	442	596
Nov.	18.9	18.3	3.64	3.91	12.1	11.6	3.1	0.6	1.5	1.4	102.49	101.60	93.2	99.0	95.5	101.0	978	1,104
Dec.	19.2	17.8	3.65	3.79	11.6	12.4	2.6	0.8	1.8	1.8	102.95	98.95	95.0	98.0	98.0	97.5	744	646
Jan.	18.8	17.9	3.67	3.84	11.4	12.6	3.3	1.1	1.8	2.2	102.22	99.52	92.5	96.6	94.5	97.0	254	236
Feb.	18.7	18.6	3.70	3.82	10.6	10.8	3.6	1.3	1.9	2.9	101.98	102.29	91.6	96.9	93.5	99.5	128	126
Mar. and later	18.8	18.4	3.66	3.90	10.9	10.4	4.4	1.9	2.2	2.9	101.86	101.88	88.6	95.7	90.5	98.0	70	142
Season	18.9	18.1	3.64	3.89	11.8	11.7	3.1	1.0	1.6	1.7	102.43	100.90	93.3	98.0	95.5	99.0	2,626	2,878

MISSISSIPPI

Aug.	-	19.0	-	3.70	-	9.6	-	7.2	-	2.2	-	103.00	-	77.7	-	79.5	-	4
Sept.	17.1	16.3	3.82	4.06	12.3	11.0	6.9	2.0	2.5	1.0	96.08	94.28	61.5	95.6	71.5	90.0	20	84
Oct.	18.2	16.4	3.63	3.91	12.2	11.8	1.0	0.4	0.9	1.0	99.66	94.12	98.5	99.2	98.5	93.5	1,866	3,954
Nov.	18.5	16.8	3.60	3.78	12.1	11.6	0.9	0.4	1.1	1.4	100.49	94.81	99.0	99.0	100.0	94.5	3,476	3,490
Dec.	17.6	16.4	3.56	3.67	12.6	12.4	1.0	0.6	1.4	2.1	96.75	92.54	98.6	98.0	96.0	91.0	2,274	1,002
Jan.	17.3	16.6	3.53	3.65	12.5	12.0	1.3	0.7	1.7	3.4	95.13	93.16	98.1	97.0	93.5	90.5	528	168
Feb.	17.5	16.7	3.58	3.71	11.7	11.6	1.7	1.1	2.2	3.6	96.15	94.05	97.5	96.1	94.0	90.0	372	198
Mar. and later	17.6	17.0	3.58	3.75	11.6	10.7	2.9	1.3	2.8	3.2	96.71	95.29	92.7	96.9	90.0	92.5	240	174
Season	18.1	16.6	3.59	3.82	12.2	11.8	1.1	0.5	1.2	1.4	98.72	94.22	98.4	98.8	97.5	93.5	8,776	9,074

TENNESSEE

Sept.	17.8	19.7	3.41	3.62	15.7	10.6	1.5	4.5	0.9	1.3	96.50	106.25	96.1	91.2	92.0	96.0	10	2
Oct.	18.1	17.2	3.53	3.76	12.9	11.9	0.9	0.5	0.7	0.9	98.41	96.11	98.8	99.4	97.5	96.0	896	464
Nov.	18.5	17.5	3.55	3.75	12.8	11.6	1.2	0.4	1.3	1.7	100.35	97.41	98.2	98.8	99.0	96.5	766	1,052
Dec.	18.9	17.0	3.62	3.66	11.8	12.3	1.2	0.5	1.5	2.8	102.29	94.98	99.1	97.3	101.5	93.0	270	518
Jan.	18.5	16.8	3.64	3.61	11.8	12.5	2.3	0.8	1.8	3.7	100.53	93.89	96.4	96.1	97.0	90.0	46	110
Feb.	18.2	17.1	3.67	3.61	11.6	11.8	2.7	0.8	2.0	4.1	99.79	94.90	95.6	96.4	95.5	92.0	28	58
Mar. and later	18.1	16.6	3.58	3.60	11.8	10.9	3.4	1.3	2.8	4.8	99.02	93.02	91.4	95.2	89.0	89.0	24	78
Season	18.4	17.3	3.55	3.71	12.7	11.9	1.2	0.5	1.1	2.1	99.72	96.22	98.4	98.3	98.5	95.0	2,040	2,282

Table 4. Cottonseed: Quality factors, indexes and grades, by specified periods and states, 1975 and 1976 (Continued)

MISSOURI

Month	Cottonseed analysis												Average index				Average grade		Samples	
	Oil		Ammonia		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1975	1976	1975	1976	No.	No.
	1975	1976	Pct.	Pct.	1975	1976	Pct.	Pct.	1975	1976	Pct.	Pct.	1975	1976						
Sept.	17.5	17.2	3.68	3.92	14.6	10.6	1.7	6.0	1.0	3.6	97.21	98.75	93.1	82.4	91.0	77.5	48	2		
Oct.	17.8	16.5	3.65	3.96	12.2	12.0	1.0	0.6	1.0	1.0	97.77	94.37	99.0	98.7	97.0	94.0	996	616		
Nov.	17.3	16.8	3.54	3.90	13.0	11.5	1.1	0.4	1.1	1.2	95.30	95.42	98.5	99.3	94.0	95.0	448	746		
Dec.	17.5	16.3	3.55	3.78	12.1	11.7	1.2	0.4	1.3	2.1	96.21	92.80	98.8	98.3	95.5	91.5	138	202		
Jan.	17.3	16.1	3.45	3.63	12.9	12.5	1.7	0.9	1.3	2.3	94.76	90.91	97.4	97.8	93.0	89.0	38	22		
Feb.	17.4	16.8	3.65	3.65	11.9	11.9	1.9	1.5	1.4	3.8	96.23	92.80	97.1	94.3	93.5	86.5	22	20		
Mar. and later	17.8	16.3	3.64	3.67	11.1	10.6	3.0	1.0	2.1	4.1	97.61	91.97	92.9	96.2	91.5	88.5	38	48		

Season	17.6	16.6	3.61	3.89	12.5	11.7	1.1	0.5	1.1	1.3	96.90	94.52	98.5	98.8	96.0	94.0	1,728	1,656
--------	------	------	------	------	------	------	-----	-----	-----	-----	-------	-------	------	------	------	------	-------	-------

ARKANSAS

Aug.	-	18.2	-	3.70	-	10.6	-	1.9	-	0.9	-	100.13	-	99.7	-	100.0	-	4
Sept.	16.9	18.3	3.71	3.96	14.7	11.4	1.1	1.1	0.7	0.8	94.68	102.16	95.9	99.0	91.5	102.0	178	16
Oct.	17.5	16.5	3.74	3.98	11.6	11.4	0.7	0.4	0.6	0.6	97.47	94.59	99.4	99.6	97.0	94.5	3,280	3,156
Nov.	17.7	16.8	3.63	3.89	12.3	11.5	0.7	0.4	0.8	0.9	97.54	95.34	98.9	99.4	97.0	95.0	2,236	3,462
Dec.	17.4	16.3	3.61	3.77	11.9	12.0	0.8	0.5	1.1	1.4	96.17	92.32	99.1	98.9	95.5	91.5	790	1,084
Jan.	17.1	16.0	3.63	3.74	12.5	12.1	1.1	0.6	1.4	2.3	95.20	91.35	98.3	98.1	93.5	89.5	224	250
Feb.	16.9	16.2	3.66	3.77	12.7	11.8	1.8	0.8	1.7	3.2	94.53	92.08	96.2	96.7	91.0	89.0	118	204
Mar. and later	18.0	16.4	3.66	3.85	10.8	11.0	1.6	0.8	1.1	2.4	98.75	93.43	98.1	97.8	97.0	91.5	110	184

Season	17.5	16.6	3.68	3.90	11.9	11.5	0.8	0.4	0.8	1.0	97.17	94.44	99.0	99.3	96.5	94.0	6,936	8,360
--------	------	------	------	------	------	------	-----	-----	-----	-----	-------	-------	------	------	------	------	-------	-------

LOUISIANA

Sept.	18.4	16.1	3.52	4.09	11.2	11.1	3.3	0.6	0.7	0.7	99.13	93.87	90.7	99.7	93.0	94.0	12	150
Oct.	18.7	17.5	3.49	3.92	11.6	10.7	1.1	0.4	0.7	0.6	100.75	98.62	98.7	99.8	99.5	98.5	794	1,900
Nov.	18.7	17.6	3.51	3.74	12.0	10.7	0.9	0.4	0.7	0.8	101.01	97.71	99.2	99.7	100.5	98.0	1,314	1,406
Dec.	18.0	16.9	3.57	3.64	11.3	11.4	0.9	0.6	0.9	1.6	98.59	94.42	99.6	98.9	98.5	93.5	476	388
Jan.	17.8	16.6	3.52	3.61	12.0	11.7	1.2	0.9	1.0	2.2	96.94	92.89	99.1	98.4	96.0	91.0	64	74
Feb.	16.9	16.6	3.51	3.64	11.6	11.2	1.4	0.9	1.5	2.8	93.21	92.50	99.1	97.7	92.5	91.5	14	32
Mar. and later	18.2	17.0	3.56	3.69	10.9	10.4	1.5	1.4	0.6	2.4	99.10	95.05	99.2	97.4	98.0	92.5	26	74

Season	18.6	17.4	3.52	3.82	11.7	10.8	1.0	0.5	0.7	0.9	100.34	97.50	99.1	99.6	99.5	97.5	2,700	4,024
--------	------	------	------	------	------	------	-----	-----	-----	-----	--------	-------	------	------	------	------	-------	-------

Table 4. Cottonseed: Quality factors, indexes and grades, by specified periods and states, 1975 and 1976 (Continued)

OKLAHOMA

Month	Cottonseed analysis														Average index		Average grade		Samples	
	Oil		Ammonia		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1975	1976	No.	No.		
	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976						
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.										
Oct.	18.2	17.8	3.98	4.07	10.2	9.4	1.1	0.6	1.5	1.4	102.00	100.56	97.5	99.4	99.5	100.5	16	24		
Nov.	18.3	18.5	3.97	4.21	10.0	9.0	0.5	0.5	1.3	1.7	102.05	104.24	99.5	99.2	101.5	103.5	54	462		
Dec.	18.4	18.5	3.94	4.16	9.0	9.0	0.5	0.6	2.2	1.8	102.18	103.81	98.7	99.2	101.0	103.0	654	384		
Jan.	18.3	18.2	3.79	4.20	9.6	9.1	0.6	0.7	2.7	1.8	101.01	103.04	98.3	99.1	99.5	102.5	290	14		
Feb.	18.1	18.1	3.79	4.10	9.2	9.6	0.9	0.7	3.2	2.1	100.27	101.71	97.6	98.8	98.0	100.5	46	34		
Mar. and later	18.2	18.2	3.70	3.77	9.1	8.6	1.7	1.1	2.6	3.6	100.13	101.50	98.5	97.5	98.5	98.5	4	2		

Season	18.4	18.4	3.89	4.18	9.3	9.0	0.6	0.6	2.3	1.8	101.76	103.85	98.6	99.2	100.5	103.0	1,064	920
--------	------	------	------	------	-----	-----	-----	-----	-----	-----	--------	--------	------	------	-------	-------	-------	-----

TEXAS

Aug.	17.6	18.7	3.78	3.70	11.2	10.8	1.6	0.7	1.2	0.9	97.76	101.71	98.1	99.3	96.5	101.0	834	1,510
Sept.	16.9	17.0	3.78	3.74	11.0	10.8	1.8	0.9	1.7	1.8	95.10	94.99	95.7	98.2	91.5	93.5	1,034	988
Oct.	16.5	17.5	3.95	3.86	9.1	10.5	1.4	0.9	2.0	2.3	94.74	98.14	95.7	98.1	91.5	96.5	892	1,322
Nov.	17.4	18.7	3.96	3.89	8.2	9.3	0.5	0.5	2.0	2.6	98.27	103.05	98.9	98.3	97.5	101.5	3,216	4,752
Dec.	17.8	18.5	3.92	3.90	7.4	8.6	0.5	0.5	2.6	2.9	99.80	102.23	98.4	98.0	98.5	100.5	5,726	6,796
Jan.	17.8	18.2	3.85	3.88	8.5	8.5	0.5	0.7	3.3	3.6	99.19	100.88	97.7	97.3	97.0	98.5	2,220	2,220
Feb.	17.9	17.9	3.83	3.78	7.9	9.6	0.8	0.9	3.4	4.6	99.58	99.17	97.4	95.3	97.5	94.5	506	626
Mar. and later	17.9	17.9	3.90	3.79	7.8	8.8	1.3	1.2	3.9	5.2	99.58	98.97	94.9	92.8	94.5	92.5	258	250

Season	17.6	18.3	3.90	3.86	8.3	9.2	0.7	0.6	2.5	2.7	98.61	101.41	97.9	98.0	97.0	99.5	14,686	18,464
--------	------	------	------	------	-----	-----	-----	-----	-----	-----	-------	--------	------	------	------	------	--------	--------

NEW MEXICO

Oct.	20.5	20.6	3.72	3.73	9.2	9.2	0.4	0.4	0.7	1.1	110.36	110.90	99.9	99.5	110.5	110.5	32	78
Nov.	20.0	20.0	3.85	3.75	7.6	8.6	0.4	0.5	1.5	1.7	107.92	107.89	99.3	99.2	107.5	108.0	168	118
Dec.	18.6	19.3	3.87	3.80	6.9	8.5	0.4	0.5	2.5	2.6	102.22	105.10	98.4	98.3	101.0	103.5	170	128
Jan.	18.1	18.5	3.86	3.77	7.4	8.6	0.5	0.9	3.5	4.4	100.28	101.67	97.5	95.3	98.0	97.0	76	52
Feb.	18.9	18.1	3.92	3.80	7.4	8.6	0.5	0.9	3.1	5.7	103.56	100.43	98.0	95.1	102.0	96.5	16	20
Mar. and later	18.2	17.7	4.03	3.70	7.3	9.1	0.6	1.4	2.8	6.4	103.19	97.00	98.0	93.3	101.0	93.0	8	4

Season	19.2	19.6	3.85	3.77	7.4	8.7	0.4	0.6	2.2	2.5	104.56	106.29	98.7	98.2	103.5	105.0	470	400
--------	------	------	------	------	-----	-----	-----	-----	-----	-----	--------	--------	------	------	-------	-------	-----	-----

Table 5. Cottonseed: Quality factors, indexes and grades by classing office territories, by states, 1975 and 1976

SOUTHEASTERN

Classing Office	Cottonseed analysis										Average index				Average grade		Samples			
	Oil		Ammonia		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		1975		1976			
	1975	1976	Pct.	Pct.	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976	No.	No.	1975	1976		
Raleigh NC	19.3	19.2	4.09	4.28	11.3	10.4	7.3	0.7	1.2	1.0	106.96	107.45	76.7	99.4	82.0	107.0	592	1/	616	1/
Columbia SC	19.4	19.8	4.08	4.20	11.0	10.4	5.6	0.9	1.2	1.1	107.50	109.86	84.0	98.8	90.5	109.0	1,000		1,402	
Macon GA	19.8	19.9	3.90	4.17	11.0	10.4	5.7	3.2	0.9	0.7	107.93	109.81	84.3	93.8	90.5	103.0	1,448		1,790	
Birmingham AL	18.7	18.1	3.55	3.79	12.0	12.1	2.6	0.8	1.5	1.8	100.88	99.95	94.9	97.9	96.0	98.0	1,688		1,714	
Montgomery AL	19.3	18.3	3.81	4.04	11.4	11.1	4.0	1.2	1.7	1.5	105.14	102.32	90.2	98.3	95.0	101.0	968	2/	1,222	2/

SOUTH CENTRAL

Greenwood MS	17.9	16.6	3.61	3.85	12.2	11.7	1.0	0.5	1.2	1.4	98.03	94.21	98.4	98.8	97.0	93.5	6,458		6,016	
Jackson MS	18.7	17.2	3.55	3.84	12.2	11.2	1.4	0.5	1.1	1.3	101.15	96.68	98.4	99.0	100.0	96.0	1,012		1,230	
Memphis TN	18.3	16.8	3.57	3.74	12.5	12.0	1.1	0.5	1.1	1.7	99.36	94.44	98.5	98.5	98.0	93.5	3,814		4,778	
AR	18.4	17.3	3.55	3.71	12.7	11.9	1.2	0.5	1.1	2.1	99.72	96.22	98.4	98.3	98.5	95.0	2,040		2,282	
MS	16.9	16.2	3.80	3.92	12.4	11.7	0.8	0.5	0.8	0.8	95.25	93.43	98.9	99.3	94.5	93.0	468		668	
Hayti MO	18.6	16.4	3.51	3.71	12.2	12.3	1.1	0.5	1.3	1.6	100.26	92.59	98.4	98.5	99.0	91.5	1,306		1,828	
Blytheville AR	17.6	16.6	3.61	3.89	12.5	11.7	1.1	0.5	1.1	1.3	96.90	94.52	98.5	98.8	96.0	94.0	1,728		1,656	
Little Rock AR	17.0	16.3	3.70	3.92	12.8	11.7	1.0	0.4	0.8	1.1	94.86	93.69	98.5	99.0	93.5	93.0	2,378		3,050	
Winnsboro LA	18.0	16.7	3.66	3.89	11.4	11.4	0.6	0.4	0.7	0.9	98.73	95.08	99.4	99.4	98.5	95.0	4,090		4,642	
Alexandria LA	18.5	17.3	3.52	3.87	11.8	10.8	0.9	0.5	0.7	0.9	100.30	97.17	99.1	99.6	99.5	97.0	2,190		3,052	
	18.6	17.9	3.50	3.67	11.4	10.9	1.0	0.6	0.7	0.8	100.52	98.56	99.1	99.6	99.5	98.5	510		972	

1/ Includes 10 certificates in 1975 and 8 certificates in 1976 for Virginia.

2/ Includes 30 certificates in 1975 and 58 certificates in 1976 for Florida.

Table 5. Cottonseed: Quality factors, indexes and grades by classing office territories, by states, 1975 and 1976 (Continued)

SOUTHWESTERN

Classing Office	Cottonseed analysis														Average index				Samples	
	Oil		Ammonia		Moisture		Free fatty acids		Foreign matter		Quantity		Quality		Average grade		No.			
	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976		
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.							No.	No.		
Altus	18.2	18.6	3.88	4.12	8.6	8.7	0.6	0.6	2.3	2.0	100.88	104.27	98.7	98.9	99.5	103.5	2,456	2,256		
OK	18.4	18.5	3.90	4.18	9.2	9.0	0.6	0.6	2.3	1.8	101.76	103.98	98.6	99.2	100.5	103.5	1,020	850		
TX	18.0	18.7	3.87	4.09	8.2	8.6	0.7	0.6	2.2	2.1	100.26	104.44	98.7	98.8	99.0	103.5	1,436	1,406		
Dallas	16.5	16.9	3.98	3.96	9.0	10.5	0.8	0.9	2.1	2.5	94.53	96.55	98.4	98.1	93.5	95.0	850	886		
TX	16.4	16.8	3.99	3.97	9.0	10.6	0.8	0.9	2.1	2.6	94.13	96.07	98.4	98.0	93.0	94.5	806	816		
OK	18.6	18.1	3.78	4.15	9.6	9.4	0.7	0.5	1.8	1.5	101.78	102.21	99.1	99.4	101.5	102.0	44	70		
Austin	17.0	17.3	3.72	3.74	10.9	10.7	1.4	0.9	1.7	1.9	95.17	96.47	97.0	98.4	92.5	95.5	886	1,206		
TX	17.7	18.0	3.82	3.72	11.5	10.6	2.2	0.9	1.3	1.3	98.41	98.97	94.5	98.8	94.5	98.0	568	874		
Corpus Christi	17.2	18.5	3.74	3.72	11.6	11.4	2.7	0.8	0.9	0.8	95.90	101.15	95.4	98.7	92.5	100.0	420	938		
TX	18.0	18.4	3.94	3.96	8.2	9.5	0.6	0.5	2.7	2.5	100.59	102.23	98.3	98.4	99.0	101.0	2,702	2,718		
Labbock	17.5	18.5	3.92	3.84	7.6	8.7	0.5	0.5	2.7	3.3	98.49	101.93	98.1	97.6	97.0	99.5	7,778	10,262		
TX	17.5	18.5	3.92	3.84	7.6	8.7	0.5	0.5	2.7	3.3	98.49	101.92	98.1	97.6	97.0	99.5	7,732	10,230		
NM	17.5	19.3	3.99	3.80	7.1	8.4	0.4	0.6	2.0	3.1	98.71	105.19	99.0	97.8	98.0	103.0	46	32		
El Paso	19.9	19.8	3.73	3.70	7.6	8.7	0.5	0.7	2.2	2.9	106.48	107.03	98.4	97.2	105.0	104.5	422	446		
TX	20.1	19.9	3.68	3.71	7.9	8.7	0.5	0.7	2.6	3.4	106.63	107.35	97.6	96.0	104.5	103.5	136	182		
NM	20.0	20.1	3.71	3.67	7.7	8.8	0.4	0.6	2.1	2.4	107.00	108.10	98.8	98.1	106.0	106.5	216	218		

WESTERN

Carlsbad	18.6	18.6	3.98	3.91	7.2	8.9	0.4	0.6	2.3	2.5	103.32	102.58	98.5	98.4	102.0	101.5	208	244
NM	18.3	18.5	4.12	4.11	7.6	7.4	0.4	0.4	0.6	0.7	103.02	103.47	100.0	100.0	103.5	103.5	84	78

3/ Includes 70 certificates in 1975 and 46 certificates in 1976 for Arizona.
 4/ Includes 94 certificates for Texas.

Table 6. Percentage distribution of quantity index by specified frequencies, by states and United States, 1975 and 1976

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	
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
NC	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.7	2.1	1.9	20.5	17.1	77.1	80.3	100.0	100.0
SC	-	-	-	-	-	-	-	-	-	-	-	-	0.8	0.1	1.4	1.4	22.6	8.6	75.2	89.9	100.0	100.0
GA	-	-	-	-	-	-	-	-	-	-	0.1	-	0.3	0.2	1.4	0.5	16.6	8.0	81.6	91.3	100.0	100.0
AL	-	-	-	-	-	-	-	-	0.2	0.1	0.8	0.8	3.0	8.7	22.6	28.9	49.4	43.6	24.9	17.8	100.0	100.0
MS	*	*	*	*	*	*	0.1	0.2	0.4	1.6	2.8	12.3	14.9	39.6	39.1	37.9	36.3	7.9	6.4	0.4	100.0	100.0
TN	-	-	-	-	-	-	-	0.1	0.1	1.1	0.3	6.1	7.1	25.2	43.5	50.3	42.8	16.1	6.2	1.1	100.0	100.0
MO	-	0.1	-	-	-	-	-	-	-	0.4	1.9	7.6	24.2	43.8	55.4	41.8	17.7	6.2	0.8	0.1	100.0	100.0
AR	*	-	*	0.1	0.1	0.1	0.1	0.1	0.4	1.9	4.2	11.1	23.4	39.7	44.8	36.8	23.3	9.5	3.7	0.7	100.0	100.0
LA	-	-	-	-	-	-	-	-	0.1	0.2	0.7	2.5	5.8	20.7	34.6	50.1	52.4	24.4	6.4	2.1	100.0	100.0
OK	-	-	-	-	-	-	-	-	-	-	0.4	-	2.4	0.7	23.4	9.6	60.1	52.0	13.7	37.7	100.0	100.0
TX	*	-	*	-	*	-	*	0.1	0.3	0.3	2.1	1.5	16.8	8.8	40.9	24.5	33.9	40.7	6.0	24.1	100.0	100.0
NM	-	-	-	-	-	-	-	-	0.4	-	0.9	-	4.7	2.0	11.9	11.0	32.4	30.5	49.7	56.5	100.0	100.0
All other	-	-	-	-	-	-	-	-	-	-	-	1.1	2.1	2.1	11.4	7.4	54.5	66.2	32.0	23.2	100.0	100.0
U. S.	*	*	*	*	*	*	*	0.1	0.3	0.8	2.1	5.2	14.2	21.1	36.8	30.6	34.3	24.6	12.3	17.6	100.0	100.0

* Less than 0.05 percent.

Table 7. Percentage distribution of quality index by specified frequencies, by states and United States, 1975 and 1976

State	Quality Index																	
	Below grade		Below prime quality												Prime quality		Total	
	1975	Pct.	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	100	1975	Pct.	1975	Pct.	1975	Pct.		
NC	1.4	-	2.1	15.8	39.4	13.7	14.8	6.9	0.3	4.9	50.0	1.0	49.4	100.0	100.0			
SC	0.4	0.1	0.6	12.2	18.0	12.0	18.0	15.0	1.5	18.8	49.3	5.0	48.0	100.0	100.0			
GA	-	0.1	0.1	9.4	20.9	13.8	22.5	15.6	18.9	14.7	39.8	3.0	20.1	100.0	100.0			
AL	-	0.1	0.2	0.6	2.7	0.4	6.1	0.4	25.9	5.5	46.2	64.7	5.3	26.5	100.0			
MS	0.1	*	-	0.1	0.2	0.2	0.3	0.2	0.8	0.4	2.9	2.5	70.8	67.7	24.8			
TN	-	-	-	-	0.1	-	0.4	0.3	0.4	1.1	2.8	5.7	79.2	75.4	17.1			
MO	-	-	-	0.6	0.1	-	0.4	0.5	0.7	1.8	2.6	72.4	61.7	24.7	34.3			
AR	-	-	-	0.1	*	0.1	*	0.1	0.3	0.3	2.0	1.6	50.7	44.0	46.8			
LA	-	-	0.1	0.1	0.2	0.1	0.2	-	0.2	-	1.1	0.7	47.3	30.6	50.9			
OK	-	-	-	-	-	0.2	-	-	-	-	3.0	0.7	80.1	69.7	16.7			
TX	0.1	*	0.1	0.4	0.2	0.3	0.3	0.7	0.6	4.0	4.9	83.4	82.9	10.7				
NM	-	-	-	-	-	0.5	-	0.4	3.0	4.3	5.0	58.3	60.5	37.0				
All other	-	-	-	2.1	-	2.1	-	5.2	-	2.1	-	9.3	3.2	19.6				
U. S.	0.1	*	0.1	1.0	0.3	1.5	0.4	2.6	0.9	5.1	3.9	65.5	64.7	22.2				

* Less than 0.05 percent.

Table 8. Percentage distribution of grades by specified frequencies, by states and United States, 1975 and 1976

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			
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.		
NC	1.4	-	19.9	-	14.8	-	19.9	-	14.4	0.3	13.1	0.6	9.3	2.6	4.1	18.9	1.0	62.2	2.1	15.4	100.0	100.0
SC	0.4	0.1	13.2	0.3	6.6	0.1	8.4	-	12.6	0.1	14.4	0.9	14.2	3.6	15.2	10.4	8.2	40.2	6.8	44.3	100.0	100.0
GA	0.1	0.1	8.8	1.1	7.9	0.6	10.6	1.3	13.3	3.7	18.2	5.4	16.6	12.6	13.3	24.0	7.6	35.7	3.6	15.5	100.0	100.0
AL	-	0.1	1.5	0.3	1.0	0.5	3.2	1.4	9.0	3.8	22.8	13.8	36.1	29.5	20.9	34.7	4.9	15.0	0.6	0.9	100.0	100.0
MS	0.2	-	0.4	0.5	0.4	0.7	1.0	4.1	6.1	15.9	18.7	36.6	36.3	34.1	30.9	7.7	5.9	0.4	0.1	*	100.0	100.0
TN	-	-	0.1	0.4	0.3	1.1	0.3	3.2	2.3	11.0	15.9	26.8	42.9	43.1	33.1	13.9	4.9	0.5	0.2	-	100.0	100.0
MO	-	-	0.6	0.2	-	0.7	0.9	2.7	6.0	10.9	28.6	41.7	48.1	38.1	15.1	5.7	0.7	-	-	-	100.0	100.0
AR	-	-	0.3	0.6	0.3	0.7	1.2	2.9	7.4	12.2	24.8	38.1	40.1	34.9	21.8	9.8	4.0	0.7	0.1	0.1	100.0	100.0
LA	-	-	0.4	*	0.1	*	0.2	0.6	1.9	4.2	8.6	20.5	35.0	46.8	46.2	25.2	7.6	2.7	-	-	100.0	100.0
OK	-	-	-	-	-	-	0.8	-	1.1	0.4	6.4	1.5	29.0	14.6	52.4	51.0	10.3	32.3	-	0.2	100.0	100.0
TX	0.1	*	0.7	0.3	0.4	0.4	1.0	1.0	5.1	3.6	22.4	12.6	40.9	30.4	25.8	34.6	3.3	15.2	0.3	1.9	100.0	100.0
NM	-	-	-	-	-	0.5	1.3	-	1.7	1.5	7.7	6.5	16.1	15.0	28.5	25.5	29.8	24.0	14.9	27.0	100.0	100.0
All other	-	-	2.1	-	-	-	2.1	2.1	6.2	-	8.3	4.3	12.4	8.4	46.4	63.1	18.4	22.1	4.1	-	100.0	100.0
U. S.	0.1	*	1.4	0.4	0.9	0.5	1.8	1.9	6.0	7.5	20.1	22.1	37.2	31.8	26.8	22.5	5.0	10.5	0.7	2.8	100.0	100.0

* Less than 0.05 percent.

Table 9. Percentage distribution of oil by specified frequencies, by states and United States, 1975 and 1976

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	
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
NC	-	-	0.3	-	0.3	0.3	-	1.6	3.4	2.0	5.2	9.2	17.5	24.0	60.2	49.7	12.7	11.9	0.7	1.0	100.0	100.0
SC	-	-	-	-	0.6	0.1	0.4	0.6	3.0	0.7	7.2	4.7	16.0	7.6	43.0	40.4	28.6	37.6	1.2	8.3	100.0	100.0
GA	-	0.1	0.1	-	0.1	0.1	-	0.2	0.3	0.2	0.8	0.4	2.1	2.5	8.3	7.2	44.8	43.1	38.5	39.3	5.0	6.9
AL	-	0.4	0.1	0.8	0.6	3.4	1.6	7.1	3.4	10.4	6.7	18.2	15.2	21.3	23.8	18.9	38.0	17.1	10.3	2.2	0.3	0.2
MS	0.8	5.6	3.1	19.6	4.3	16.9	7.8	20.3	11.4	17.9	15.5	10.7	17.3	5.2	17.5	2.4	19.4	1.3	2.8	0.1	0.1	-
TN	0.1	1.9	0.4	7.2	1.1	8.1	3.4	14.7	6.8	22.3	16.7	23.6	24.4	13.8	22.4	6.7	22.3	1.6	2.3	0.1	0.1	-
MO	0.1	1.8	2.0	17.1	4.4	23.2	14.0	25.1	20.3	18.0	26.6	9.4	18.8	4.3	10.4	1.0	3.3	0.1	0.1	-	-	-
AR	1.3	5.8	5.7	20.4	7.6	18.4	13.1	21.6	18.6	15.4	18.0	10.0	14.9	5.0	10.9	2.4	9.2	0.9	0.7	*	-	0.1
LA	0.2	0.7	1.0	6.6	0.7	9.9	2.3	14.3	5.6	20.5	11.3	18.9	21.2	13.7	24.6	8.6	29.3	6.2	3.6	0.6	0.2	*
OK	-	-	0.8	0.4	0.8	0.2	2.4	2.0	6.4	7.2	13.7	13.3	27.4	25.7	30.1	27.9	17.8	20.7	0.6	2.6	-	-
TX	1.1	0.6	5.4	2.7	8.5	3.0	11.7	6.2	16.2	8.4	19.2	13.6	17.8	18.2	11.4	16.3	7.7	24.3	0.6	5.8	0.4	0.9
NM	0.9	-	0.9	-	2.6	0.5	3.0	3.0	4.7	2.5	8.9	7.5	8.9	8.0	14.8	14.0	21.7	20.0	20.4	19.5	13.2	25.0
All other	1.0	-	-	1.1	2.1	1.1	1.0	1.1	2.1	1.1	10.3	9.5	20.6	39.6	20.6	21.1	29.9	23.2	5.2	1.1	7.2	1.1
U. S.	0.8	2.3	3.5	9.1	5.2	9.0	8.5	12.2	12.4	12.4	15.8	12.5	16.9	12.2	15.2	10.1	17.0	14.2	4.1	5.0	0.6	1.0

* Less than 0.05 percent.

Table 10. Percentage distribution of ammonia by specified frequencies, by states and United States, 1975 and 1976

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		4.15 and over			
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.		
NC	-	-	-	-	-	-	-	-	-	-	0.7	6.9	0.3	26.8	4.6	28.4	14.5	37.2	80.6	100.0	100.0	
SC	-	-	-	0.6	-	-	1.0	0.1	2.0	0.3	5.8	2.7	20.4	9.6	32.6	23.4	37.6	63.9	100.0	100.0	100.0	
GA	-	-	-	-	0.8	-	3.3	0.3	8.6	1.2	25.6	6.7	31.0	12.7	18.8	24.2	11.9	54.9	100.0	100.0	100.0	
AL	0.1	0.1	-	1.6	0.1	9.5	1.1	22.8	4.1	27.9	13.2	20.6	24.7	12.3	25.5	4.5	17.6	0.7	13.6	100.0	100.0	
MS	0.1	-	0.2	1.7	0.2	10.7	1.0	26.9	6.1	33.0	17.3	20.3	29.4	6.0	28.6	1.0	13.5	0.1	3.9	100.0	100.0	
TN	0.1	-	0.3	-	2.5	-	15.3	1.6	33.2	8.5	27.0	33.7	16.1	39.6	5.1	15.2	0.3	1.4	0.1	-	100.0	100.0
MO	-	-	-	-	1.0	-	5.3	0.2	26.9	2.2	40.3	7.9	20.5	22.5	4.6	43.3	1.2	20.3	0.2	3.6	100.0	100.0
AR	*	-	*	-	0.2	*	2.6	0.3	15.6	2.0	37.5	9.6	27.9	22.5	13.0	36.1	3.1	23.8	0.1	5.7	100.0	100.0
LA	0.1	-	0.8	*	3.8	0.2	15.1	3.0	35.7	8.5	33.1	19.9	10.4	23.0	0.9	20.0	-	15.6	0.1	9.8	100.0	100.0
OK	-	-	-	-	-	-	0.2	3.0	1.1	8.6	1.7	25.8	5.9	33.8	8.5	23.5	16.5	5.3	66.1	100.0	100.0	100.0
TX	*	*	*	0.1	0.2	0.6	1.4	1.5	3.2	5.5	9.7	14.5	22.3	24.8	31.2	25.4	21.4	17.3	10.6	10.3	100.0	100.0
NM	-	-	0.4	-	0.5	0.4	3.0	4.3	12.5	17.9	21.0	24.3	29.0	27.5	19.0	17.9	10.0	7.3	5.0	100.0	100.0	
All other	-	-	-	-	-	-	-	7.2	-	11.3	8.4	13.4	21.1	9.3	18.9	39.3	32.6	19.5	19.0	100.0	100.0	
U. S.	*	*	0.1	*	0.9	0.3	5.5	1.1	15.2	4.8	22.9	14.0	21.2	23.8	17.7	26.0	10.8	17.3	5.7	12.7	100.0	100.0

* Less than 0.05 percent.

Table 11. Percentage distribution of moisture in cottonseed samples by specified frequencies, by states and United States, 1975

State	Moisture													Total		
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.		Pct.	Pct.
NC	74.3	25.7	-	-	0.0	5.1	7.1	9.1	10.1	11.1	12.1	14.1	16.1	18.1	20.1 and over	100.0
SC	81.0	19.0	-	-	5.0	7.0	9.0	10.0	11.0	12.0	14.0	16.0	18.0	20.0	-	100.0
GA	83.0	16.9	0.1	-	-	-	2.9	18.5	35.9	25.7	14.2	2.1	0.6	-	0.1	100.0
AL	60.4	39.6	-	-	-	-	1.1	8.2	23.1	28.0	32.3	6.4	0.7	0.2	-	100.0
MS	47.6	52.4	*	*	*	*	0.3	4.1	15.7	27.5	43.0	8.2	0.9	0.3	*	100.0
TN	36.4	63.6	-	-	-	-	0.1	2.2	10.2	23.9	46.9	14.8	1.7	0.2	-	100.0
MO	43.6	56.3	0.1	-	-	-	0.6	2.3	13.2	27.5	40.3	14.8	1.2	-	0.1	100.0
AR	56.3	43.7	-	-	-	0.1	2.7	10.6	19.2	23.7	32.1	9.7	1.4	0.5	-	100.0
LA	63.0	37.0	-	-	-	0.1	0.7	11.6	25.2	25.4	28.5	7.5	1.0	-	-	100.0
OK	99.0	1.0	-	-	-	0.2	45.9	36.7	13.0	3.2	1.0	-	-	-	-	100.0
TX	95.8	4.2	*	-	0.1	16.7	61.8	9.9	4.5	2.8	2.7	1.2	0.3	*	*	100.0
NM	99.6	0.4	-	-	-	43.0	48.5	6.0	2.1	-	0.4	-	-	-	-	100.0
All other	96.9	3.1	-	1.0	23.8	52.5	6.2	4.1	9.3	3.1	-	-	-	-	-	100.0
U. S.	70.3	29.7	*	*	6.1	23.3	9.4	14.0	17.5	23.0	5.8	0.8	0.1	*	*	100.0

* Less than 0.05 percent.

Table 12. Percentage distribution of moisture in cottonseed samples by specified frequencies, by states and United States, 1976

State	Moisture											Total			
	Prime quality 0-12.0	Below prime quality 12.1-20.0	Off quality 20.1 and over	0.0	5.1	7.1	9.1	10.1	11.1	12.1	14.1		16.1	18.1	20.1 and over
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.		Pct.	Pct.	Pct.
NC	83.8	16.2	-	-	-	16.2	28.7	25.7	13.2	13.9	2.3	-	-	-	100.0
SC	84.7	15.3	-	0.1	-	20.3	26.7	23.3	14.3	11.5	3.0	0.7	0.1	-	100.0
GA	86.7	13.3	-	-	-	20.2	25.0	25.9	15.6	11.4	1.6	0.2	0.1	-	100.0
AL	61.1	38.8	0.1	-	-	2.5	12.5	22.0	24.1	30.2	6.8	1.5	0.3	0.1	100.0
MS	61.8	38.2	*	*	-	1.7	9.8	21.7	28.6	30.7	6.6	0.9	*	*	100.0
TN	62.7	37.1	0.2	-	-	0.3	4.9	27.7	29.8	28.9	7.1	1.1	-	0.2	100.0
MO	65.3	34.7	-	-	-	0.4	6.0	30.0	28.9	28.3	5.8	0.6	-	-	100.0
AR	71.7	28.0	0.3	*	-	1.0	9.6	30.4	30.7	22.9	3.9	0.9	0.3	0.3	100.0
LA	85.0	15.0	-	-	-	4.6	25.4	32.4	22.6	13.0	1.9	0.1	*	-	100.0
OK	100.0	-	-	-	0.2	56.6	33.0	9.3	0.9	-	-	-	-	-	100.0
TX	93.7	6.3	*	*	1.6	54.4	21.4	10.5	5.8	4.5	1.4	0.3	0.1	*	100.0
NM	98.5	1.5	-	-	1.5	68.0	21.5	6.0	1.5	1.5	-	-	-	-	100.0
All other	96.7	3.3	-	1.1	13.7	48.3	10.5	16.8	6.3	2.2	1.1	-	-	-	100.0
U. S.	79.3	20.6	0.1	*	0.6	23.5	16.6	20.2	18.4	16.4	3.5	0.6	0.1	0.1	100.0

* Less than 0.05 percent.

Table 13. Percentage distribution of free fatty acids in cottonseed samples by specified frequencies, by states and United States, 1975

State	Free fatty acids													
	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 and over	Total
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
NC	2.4	92.1	5.5	-	-	1.4	1.0	3.4	13.8	23.7	33.4	13.7	4.1	100.0
SC	11.2	85.8	3.0	-	2.8	4.4	4.0	13.0	22.6	22.8	15.6	8.6	3.2	100.0
GA	4.8	94.2	1.0	-	0.4	2.1	2.3	12.5	26.4	26.3	17.7	9.4	1.9	100.0
AL	24.4	75.3	0.3	0.8	3.2	8.5	11.9	31.7	31.8	9.3	2.1	0.4	-	100.0
MS	92.6	7.2	0.2	5.2	49.9	30.1	7.4	5.2	1.6	0.3	0.1	*	-	100.0
TN	91.8	8.2	-	1.2	42.9	34.9	12.8	5.7	1.9	0.6	-	-	-	100.0
MO	93.7	6.2	0.1	1.4	49.2	34.4	8.7	4.0	1.8	-	0.1	0.2	0.1	100.0
AR	96.7	3.3	*	26.8	51.7	13.7	4.5	2.4	0.7	0.1	-	0.1	*	100.0
LA	94.8	5.1	0.1	10.0	55.0	24.8	5.0	3.9	0.8	0.1	0.2	-	0.1	100.0
OK	99.4	0.6	-	23.3	74.5	1.0	0.6	0.2	0.2	0.2	-	-	-	100.0
TX	95.2	4.5	0.3	48.9	38.2	6.4	1.7	2.5	1.2	0.5	0.1	0.1	0.1	100.0
NM	100.0	-	-	76.6	21.7	1.7	-	-	-	-	-	-	-	100.0
All other	79.4	20.6	-	64.9	10.3	2.1	2.1	2.1	6.2	7.2	4.1	-	1.0	100.0
U. S.	84.4	15.3	0.3	23.8	40.3	15.4	4.9	5.6	4.5	2.6	1.6	0.8	0.2	100.0

* Less than 0.05 percent.

Table 14. Percentage distribution of free fatty acids in cottonseed samples by specified frequencies, by states and United States, 1976

State	Free fatty acids											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
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
NC	97.4	2.6	-	38.9	49.3	7.9	1.3	2.0	0.3	-	0.3	-	-	-
SC	93.2	6.5	0.3	27.4	48.7	12.7	4.4	4.5	1.3	0.3	0.3	-	0.1	0.3
GA	27.8	72.1	0.1	1.0	7.6	5.6	13.6	30.6	26.6	9.6	3.4	1.1	0.8	0.1
AL	91.4	8.5	0.1	22.6	48.6	14.6	5.6	4.8	2.3	0.9	0.3	0.1	0.1	0.1
MS	99.1	0.9	-	66.4	28.5	3.5	0.7	0.5	0.3	0.1	*	*	*	-
TN	98.6	1.4	-	57.0	36.9	3.6	1.1	0.7	0.6	0.1	-	-	-	-
MO	97.7	2.2	0.1	79.8	16.3	1.2	0.4	0.8	0.8	0.2	0.4	-	-	0.1
AR	99.7	0.3	-	69.4	28.8	1.3	0.2	0.3	*	-	*	-	-	-
LA	99.2	0.7	0.1	69.7	25.9	3.2	0.4	0.6	0.1	*	-	-	-	0.1
OK	100.0	-	-	18.7	77.9	3.0	0.4	-	-	-	-	-	-	-
TX	98.2	1.8	*	46.2	44.5	5.9	1.6	1.3	0.4	0.1	*	*	*	*
NM	97.5	2.5	-	51.5	43.5	1.0	1.5	2.0	0.5	-	-	-	-	-
All other	95.7	4.3	-	38.9	35.7	13.7	7.4	3.2	1.1	-	-	-	-	-
U. S.	95.6	4.4	*	52.7	36.2	4.9	1.8	2.2	1.4	0.5	0.2	0.1	*	100.0

* Less than 0.05 percent.

Table 15. Percentage distribution of foreign matter in cottonseed samples by specified frequencies, by states and United States, 1975

State	Foreign matter											Total	
	Prime quality 0-1.0	Below prime quality 1.1-10.0	Off quality 10.1 and over	0	0.6	1.1	2.1	3.1	4.1	5.6	7.1		8.6
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
NC	56.7	43.3	-	16.8	39.9	31.0	8.6	2.7	0.7	0.3	-	-	100.0
SC	56.6	43.4	-	18.0	38.6	32.2	8.4	1.8	0.4	0.4	0.2	-	100.0
GA	76.4	23.6	-	31.9	44.5	21.0	1.5	0.6	0.1	0.3	-	0.1	100.0
AL	35.4	64.5	0.1	6.6	28.8	40.9	16.3	4.6	2.0	0.3	0.3	0.1	100.0
MS	53.8	45.9	0.3	18.5	35.3	36.0	6.2	1.9	1.0	0.5	0.2	0.1	100.0
TN	61.0	39.0	-	27.6	33.4	30.5	6.4	1.2	0.7	0.2	-	-	100.0
MO	61.8	38.2	-	18.2	43.6	31.2	5.1	1.5	0.2	-	0.1	0.1	100.0
AR	82.7	17.3	-	46.1	36.6	14.0	2.1	0.6	0.4	0.1	0.1	*	100.0
LA	86.6	13.4	-	43.8	42.8	11.2	1.6	0.3	0.2	0.1	-	-	100.0
OK	16.9	83.1	-	2.1	14.8	37.6	23.0	13.0	5.8	1.3	1.3	1.1	100.0
TX	14.8	84.9	0.3	2.1	12.7	33.9	26.1	13.4	7.6	2.7	0.9	0.3	100.0
NM	37.0	62.6	0.4	8.1	29.9	24.7	15.3	8.5	8.5	2.1	2.6	0.9	100.0
All other	68.1	31.9	-	15.5	52.6	20.6	4.1	1.0	3.1	2.1	1.0	-	100.0
U. S.	46.7	53.1	0.2	18.5	28.2	29.6	12.8	5.8	3.2	1.1	0.4	0.2	100.0

* Less than 0.05 percent.

Table 16. Percentage distribution of foreign matter in cottonseed samples by specified frequencies, by states and United States, 1976

State	Foreign matter											Total	
	Prime quality 0-1.0	Below prime quality 1.1-10.0	Off quality 10.1 and over	0	0.6	1.1	2.1	3.1	4.1	5.6	7.1		8.6
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
NC	63.9	36.1	-	24.7	39.2	27.3	7.2	1.6	-	-	-	-	100.0
SC	63.6	36.3	0.1	31.4	32.2	27.1	6.0	1.9	1.0	0.3	-	-	100.0
GA	84.7	15.3	-	47.6	37.1	12.1	2.3	0.7	0.1	0.1	-	-	100.0
AL	41.5	57.9	0.6	7.6	33.9	35.2	13.3	4.7	3.1	1.0	0.3	0.3	100.0
MS	45.6	53.9	0.5	10.3	35.3	40.0	8.2	2.5	1.9	0.7	0.4	0.2	100.0
TN	30.6	68.4	1.0	7.9	22.7	35.8	17.7	7.0	3.8	2.0	1.0	1.1	100.0
MO	56.8	43.0	0.2	13.4	43.4	28.4	7.7	4.0	1.9	0.6	0.2	0.2	100.0
AR	74.4	25.2	0.4	33.6	40.8	18.5	3.9	1.4	0.8	0.4	0.1	0.1	100.0
LA	81.1	18.9	-	36.8	44.3	13.3	2.7	1.8	0.7	0.4	-	-	100.0
OK	29.6	70.4	-	4.6	25.0	42.6	17.6	6.3	2.8	0.9	0.2	-	100.0
TX	14.2	84.9	0.9	4.4	9.8	26.4	27.0	16.0	9.8	4.0	1.2	0.5	100.0
NM	33.0	63.0	4.0	5.0	28.0	28.5	14.0	8.5	4.0	6.0	1.0	1.0	100.0
All other	62.0	38.0	-	6.3	55.7	25.3	1.1	4.2	4.2	2.1	-	1.1	100.0
U. S.	43.0	56.4	0.6	15.7	27.3	27.4	14.3	7.4	4.5	1.9	0.6	0.3	100.0

Table 17. Number of cottonseed samples by specified groups, by qualities, and number reduced in grade for specified causes, by states and United States, 1975 and 1976

State	Quality						Reduced due to excess							
	Prime		Below prime and off quality		Below grade		Total samples graded		Moisture		Free fatty acids		Foreign matter	
	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976
Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
NC	6	300	568	308	8	-	582	608	150	98	568	16	252	220
SC	50	670	946	730	4	2	1,000	1,402	190	216	888	94	434	510
GA	44	358	1,404	1,430	-	2	1,448	1,790	246	240	1,378	1,292	342	274
AL	138	762	2,488	2,114	-	2	2,626	2,878	1,038	1,118	1,988	244	1,696	1,684
MS	2,180	2,620	6,584	6,452	12	2	8,776	9,074	4,602	3,480	646	100	4,054	4,940
TN	348	400	1,692	1,882	-	-	2,040	2,282	1,298	848	166	28	794	1,586
MO	426	568	1,302	1,088	-	-	1,728	1,656	974	574	110	38	660	718
AR	3,234	4,500	3,702	3,860	-	-	6,936	8,360	3,030	2,368	236	36	1,196	2,142
LA	1,372	2,758	1,328	1,266	-	-	2,700	4,024	1,000	610	144	38	364	762
OK	178	272	885	648	-	-	1,064	920	10	-	6	-	884	648
TX	1,568	2,028	13,106	16,434	12	2	14,686	18,464	632	1,148	740	336	12,514	15,842
NM	174	124	296	276	-	-	470	400	2	6	-	10	296	268
All other	116	112	78	78	-	-	194	190	6	6	40	8	62	72
U. S.	9,834	15,472	34,380	36,566	36	10	44,250	52,048	13,178	10,712	6,910	2,240	23,548	29,666