Supply/Demand Data for COTTONSEED OIL

and Competing Products

1978-1982 Marketing Years



Economic Services National Cotton Council of America Supply/Demand Data for COTTONSEED OIL and Competing Products

1978-1982 Marketing Years

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Economic Services National Cotton Council of America

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INTRODUCTION

This report presents annual data on production, stocks, offtake, and prices of cottonseed oil and major competing commodities. It is patterned after a series of annual reports titled, "Cottonseed and Competing Materials," the last of which was published in 1969.

While data in the previous publications were for calendar years, this report uses the October-September marketing year wherever possible. This is appropriate for cottonseed, as well as most of the competing oilseeds. Any exceptions to the use of the cottonseed marketing year are indicated either in the title or footnotes of each table.

The factory production and consumption data result from census surveys of both refiners and processors which use once-refined fats and oils to obtain various end-products; e.g., salad oil, cooking oil, etc. Explanation of estimation methods used is contained in the reference sources.

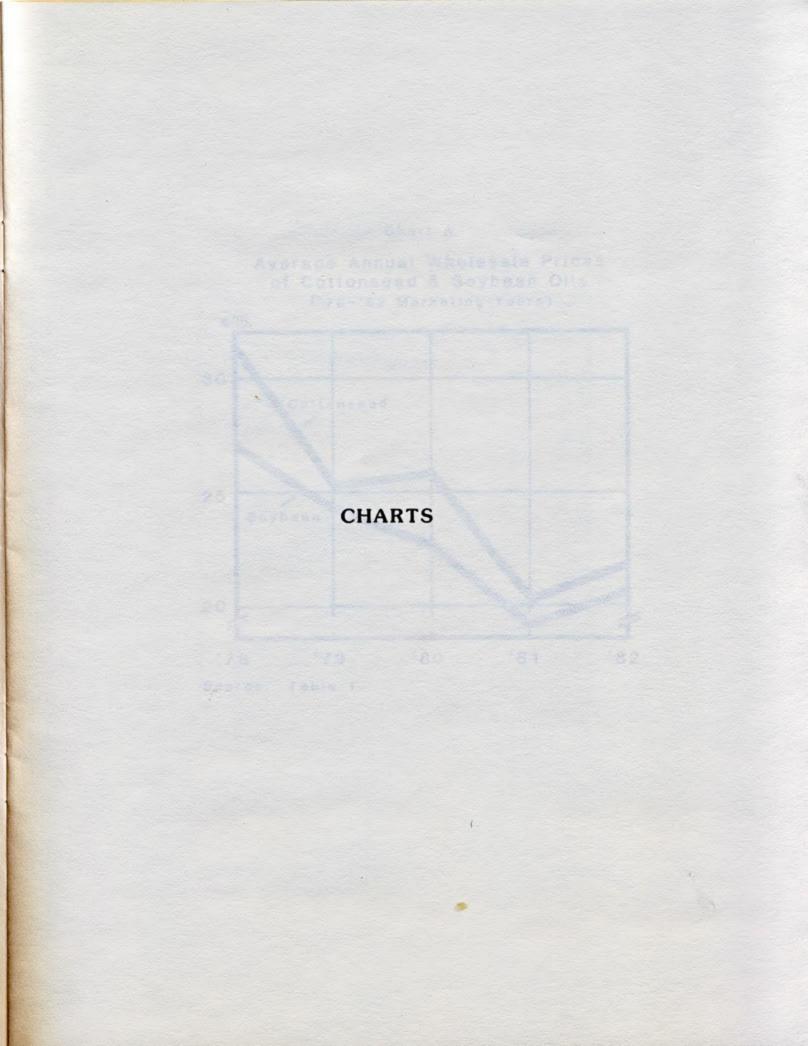
SUMMARY

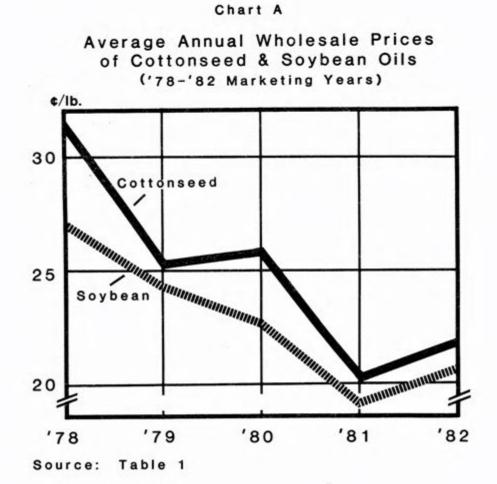
The average wholesale price for cottonseed oil was 21.8 cents per pound during the 1982 marketing year, up 8.5 percent from 1981 but 12.6 percent below the 5-year average. Cottonseed oil prices have averaged 2.2 cents per pound more than soybean oil prices during the 1978-82 marketing years but were only 1.2 cents per pound higher in 1982.

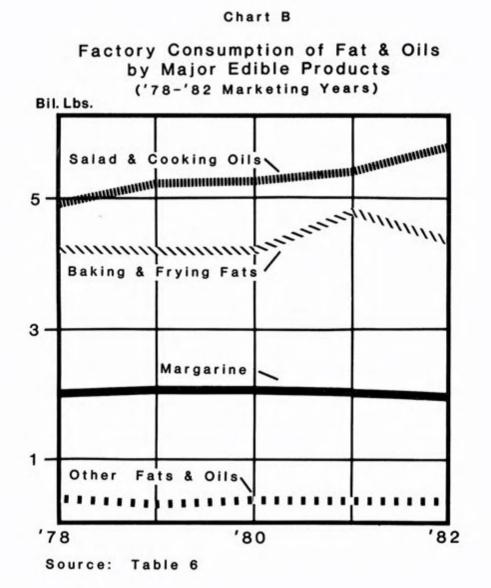
Cottonseed oil stocks generally have been between 80 and 120 million pounds; however, historically low production during the 1983 marketing year resulted in estimated ending stocks of only 50 thousand pounds on September 30, 1984. Cottonseed oil exports, which usually exceed 600 million pounds, fell to 546 million pounds in 1982 and are estimated at only 300 million in 1983.

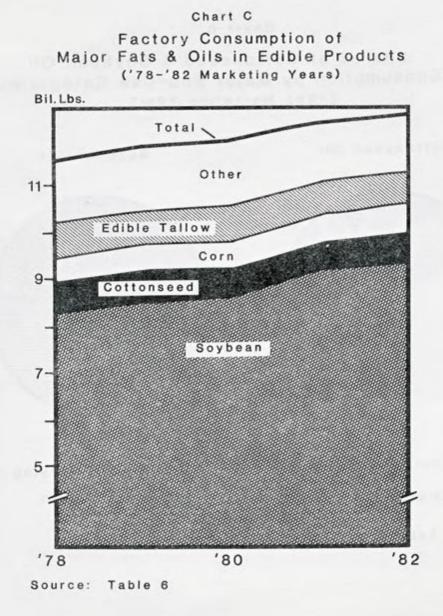
Factory consumption of all fats and oils to manufacture major edible and inedible products was 17.6 billion pounds in the 1982 marketing year. This was slightly higher than the most recent 5-year average. Soybean oil accounted for 53.9 percent of total factory consumption of fats and oils in 1982, which continued a slight uptrend in soybean oil's share. Cottonseed oil's share was 3.6 percent, equal to the average during the last five years.

Over 90 percent of cottonseed oil is used in "salad or cooking oils" and "baking or frying fats." In comparison, about 80 percent of soybean oil is used in these two end-use categories. Generally less than one percent of cottonseed oil is used in inedible products, compared with 2-3 percent of soybean oil.









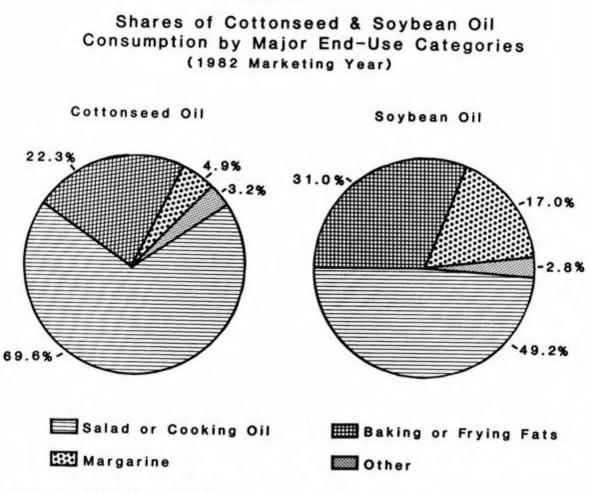


Chart D

Source: Tables 10 & 11

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	1978	1979	1980	1981	1982
		Ce	nts Per Po	ound	
Cottonseed Oil, Crude, tank					
cars, f.o.b., valley	31.6	25.3	25.9	20.1	21.8
Soybean Oil, Crude, tank					
cars, f.o.b., Decatur	27.2	24.3	22.7	19.0	20.6
Corn Oil, Crude, tank cars,					
f.o.b., Decatur 2/	36.0	32.4	26.3	23.8	23.7
Coconut Oil, Crude, f.o.b.,					
Pacific Coast 2/	34.1	48.5	32.2	25.9	22.2
Linseed Oil, raw, tank cars,					
Minneapolis 3/	24.2	30.1	30.0	30.0	25.1
Palm Oil, c.i.f., bulk, U.S.					
ports 2/	28.7	31.2	28.1	27.1	21.2
Peanut Oil, f.o.b., Southeast					
Mills 4/	41.7	27.9	39.3	31.3	25.3
Rapeseed Oil, refined					
denatured, NY 2/	39.0	39.0	46.6	58.8	56.0
Safflower Oil, tanks			1010	50.0	
New York 2/	41.3	41.5	46.5	55.2	72.5
Sunflower Oil, Crude,	41.5	41.5	40.0	33.2	1200
Minneapolis, Lard, loose,					
tanks, Chicago · · · · ·	33.0	26.0	27.0	25.0	23.9
Palm Kernel Oil, c.i.f.,	55.0	20.0	27.0	23.0	23.3
U.S. Ports 2/	36.9	42.1	42.8	42.8	29.2
Edible Tallow, loose,	50.9	42.1	42.0	42.0	27.2
Chicago · · · · · · · · · · ·	NA	21.2	21.2	21.6	NA
	MA	21.2	21.2	21.0	nun
Inedible Tallow, #1,	19.0	15.0	15.4	13.6	12.5
Chicago	19.0	15.0	13.4	13.0	12.0
Grease, white, tank cars,	10.1	21 0	17.0	17.0	
Chicago 2/	19.1	21.9	17.2	17.2	NA

Average Annual Wholesale Prices of Major Fats and Oils 1978-1982 1/

NA: Not available.

- 1/ Prices are for marketing year beginning October 1 unless otherwise noted.
- 2/ Calendar year. 3/ Marketing year
- Marketing year beginning June 1.
- 4/ Marketing year beginning August 1.

SOURCES: "Fats and Oils Situation," May 1980-August 1984, Economic Research Service, United States Department of Agriculture, Washington, D.C.

"U.S. Fats and Oils Statistics, 1965-1982," Economics, Statistics, and Cooperative Service, United States Department of Agriculture, Washington, D.C.

	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
			Million	Pounds		
Beginning Stocks	85	86	122	80	104	90
Production	1,282	1,423	1,191	1,551	1,134	830
SUPPLY	1,367	1,509	1,313	1,631	1,240 2/	940 <u>2</u> /
Domestic Use	620	659	523	680	604	590
Exports	661	728	710	847	546	300
OFFTAKE	1,281	1,387	1,233	1,527	1,150	890
Ending Stocks	86	122	80	104	90	50

Supply and Offtake of Cottonseed Oil 1978-1983 Marketing Years

1/ Preliminary.

2/ Includes imports.

SOURCE: "Fats and Oils Situation," February 1983 and August 1984, Economic Research Service, United States Department of Agriculture, Washington, D.C.

TABLE 3

Supply and Offtake of Soybean Oil 1978-1983 Marketing Years

	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
			Million	Pounds		
Beginning Stocks	729	776	1,210	1,736	1,103	1,261
Production	11,323	12,105	11,270	10,979	12,040	10,714
SUPPLY	12,052	12,881	12,480	12,715	13,143	11,975
Domestic Use	8,942	8,981	9,113	9,536	9,857	9,600
Exports	2,334	2,690	1,631	2,077	2,025	1,650
OFFTAKE	11,276	11,671	10,744	11,613	11,882	11,250
Ending Stocks	776	1,210	1,736	1,103	1,261	725

1/ Preliminary.

SOURCE: "Fats and Oils Situation," February 1983 and August 1984, Economic Research Service, United States Department of Agriculture, Washington, D. C.

	1978-79	1979-80	1980-81	1981-82	1982-83			
and the second		M	tillion Pou	inds				
Cottonseed 0il	646.2	686.2	560.1	608.1	637.8			
Soybean Oil	8,535.5	8,698.2	8,812.5	9,335.4	9,487.0			
Corn 0il	544.6	579.5	624.7	594.3	639.0			
Peanut Oil	116.6	166.2	120.1	140.9	176.1			
Lard	409.5	526.9	480.2	361.2	367.5			
Edible Tallow	794.1	714.5	767.1	741.5	664.7			
Coconut 0il	804.9	663.4	789.7	749.4	800.2			
Vegetable Oil Foots	86.2	80.2	78.3	55.7	67.2			
Castor Oil	110.0	89.9	86.5	82.3	71.9			
Sunflower 0il	NA	NA	82.2	90.2	74.9			
Linseed Oil	207.5	160.0	127.6	92.7	97.6			
Palm Oil	327.8	283.4.	321.3	, 296.1	, 306.0.			
Palm Kernel Oil	110.6	107.81/	115.21/	128.9-	139.6-			
Inedible Tallow & Grease	3,169.7	2,983.6	2,984.1	2,893.8	2,808.7			
Tung 0il	13.5	15.7	16.6	14.6	12.1			
Fish Oil	33.2	25.1	19.0	15.7	17.9			
Safflower 0il	35.0	29.2	21.2	16.2	NA			
Tall Oil	1,253.7	1,312.1	1,334.0	1,185.1	1,151.2			
Other Fats & Oils	241.8	224.2	117.5	74.6	72.3			
TOTAL	17,440.4	17,346.1	17,457.9	17,476.7	17,591.9			

Factory Consumption of Fats and Oils to Manufacture Major Edible and Inedible Products 1978-1982 Marketing Years

TABLE 4

NA: Not available separately, but included in "Other Fats and Oils."

1/ Excludes a small amount of inedible oil due to disclosure problems.

SOURCE: "Fats and Oils," series M2OK, Current Industrial Reports, 1978-1982, Industry Division, Bureau of Census, United States Department of Commerce, Washington, D.C.

	1978-79	1979-80	1980-81	1981-82	1982-83
			Percent-		
Cottonseed Oil	3.7	4.0	3.2	3.5	3.6
Soybean Oil	48.9	50.1	50.5	53.4	53.9
Corn Oil	3.1	3.3	3.6	3.4	3.6
Peanut Oil	.7	1.0	.7	.8	1.0
Lard	2.3	3.0	2.8	2.1	2.1
Edible Tallow	4.6	4.1	4.4	4.2	3.8
Coconut Oil	4.6	3.8	4.5	4.3	4.5
Vegetable Oil Foots	.5	.5	.4	.3	.4
Castor	.6	.5	.5	.5	.4
Sunflower Oil	NA	NA	.5	.5	.4
Linseed Oil	1.2	.9	.7	.5	.6
Palm Oil	1.9	1.6	1.8	1.7	1.7
Palm Kernel Oil	.6	.6	.7	.7	.8
Inedible Tallow and Grease	18.2	17.2	17.1	16.6	16.0
Tung Oil	.1	.1	.1	.1	.1
Fish Oil	.2	.1	.1	.1	.1
Safflower Oil	.2	.2	.1	.1	NA
Tall Oil	7.2	7.6	7.6	6.8	6.5
Other Fats and Oils	1.4	1.3	.7	.4	.4
TOTAL 1/	100.0	100.0	100.0	100.0	100.0

Shares of Factory Consumption for Fats and Oils Used to Manufacture Major Edible and Inedible Products 1978-1982 Marketing Years

TABLE 5

NA: Not available separately, but included in "Other Fats and Oils."

1/ Due to rounding, the sum of the individual percentages in each year may not equal 100.

SOURCE: Table 1.

Table 6

	1978-79	1979-80	1980-81	1981-82	1982-83
		M	illion Pou	nds	
Cottonseed 0il	640.7	677.8	555.0	602.7	634.0
Soybean Oil	8,291.9	8,493.1	8,610.2	9,132.6	9,282.3
Corn Oil	544.6	577.4	623.9	593.2	636.8
Peanut Oil	114.4	164.7	118.7	139.5	173.7
Lard	350.2	474.7	414.8	311.2	284.1
Edible Tallow	752.8	680.4	740.2	701.8	622.7
Coconut Oil	322.0	254.2	337.6	337.9	339.4
Sunflower 0il	NA	NA	78.9	88.8	73.3
Palm Oil	305.1	255.2	291.4	253.8	272.3
Palm Kernel Oil	110.6	107.8	115.2	128.9	139.6
Safflower Oil	30.5	26.2	19.2	14.0	NA
Other Fats & Oils	144.4	116.8	2.9	3.8	6.6
TOTAL	11,607.2	11,828.3	11,908.0	12,308.2	12,464.8

Factory Consumption of Fats and Oils to Manufacture Major Edible Products 1978-1982 Marketing Years

NA: Not available separately, but included in "Other Fats and Oils."

SOURCE: "Fats and Oils," series M2OK, Current Industrial Reports, 1978-1982, Industry Division, Bureau of Census, United States Department of Commerce, Washington, D.C.

	1978-79	1979-80	1980-81	1981-82	1982-83				
		Percent							
Cottonseed 0il	5.5	5.7	4.7	4.9	5.1				
Soybean Oil	71.4	71.8	72.3	74.2	74.5				
Corn Oil	4.7	4.9	5.2	4.8	5.1				
Peanut Oil	1.0	1.4	1.0	1.1	1.4				
Lard	3.0	4.0	3.5	2.5	2.3				
Edible Tallow	6.5	5.8	6.2	5.7	5.0				
Coconut 0il	2.8	2.1	2.8	2.7	2.7				
Sunflower 0il	NA	NA	.7	.7	.6				
Palm Oil	2.6	2.2	2.4	2.1	2.2				
Palm Kernel Oil	1.0	.9	1.0	1.0	1.1				
Safflower 0il	.3	.2	.2	.1	NA				
Other Fats & Oils	1.2	1.0	*	*	.1				
TOTAL1/	100.0	100.0	100.0	100.0	100.0				

Shares of Factory Consumption for Fats and Oils Used to Manufacture Major Edible Products 1978-1982 Marketing Years

TABLE 7

NA: Not available separately, but included in "Other Fats and Oils."

Less than .05.

1/ Due to rounding, the sum of the individual percentages in each year may not equal 100.

SOURCE: Table 6.

1

	1978-79	1979-80	1980-81	1981-82	1982-83
		Mi	11ion Pour	1ds	
Cottonseed 0il	5.5	8.4	5.1	5.4	3.8
Soybean Oil	243.6	205.1	202.3	202.8	204.7
Corn Oil	0	2.1	.8	1.1	2.2
Peanut Oil	2.2	1.5	1.4	1.4	2.4
Lard	59.3	52.2	65.4	50.0	83.4
Edible Tallow	41.3	34.1	26.9	39.7	42.0
Coconut Oil	482.9	409.2	452.1	411.5	460.8
Vegetable Oil Foots	86.2	80.2	78.3	55.7	67.2
Castor Oil	111.0	89.9	86.5	82.3	71.9
Sunflower 0il	NA	NA	3.3	1.4	1.6
Linseed Oil	207.5	160.0	127.6	92.7	97.6
Palm Oil	22.7	28.2	29.9	42.3	33.7
Inedible Tallow & Grease	3,169.7	2,983.6	2,984.1	2,893.8	2,808.7
Tung Oil	13.5	15.7	16.6	14.6	12.1
Fish Oil	33.2	25.1	19.0	15.7	17.9
Safflower Oil	4.5	3.0	2.0	2.2	1.8
Tall Oil	1,253.7	1,312.1	1,334.0	1,185.1	1,151.2
Other Fats and Oils	96.4	107.4	114.6	70.8	64.1
TOTAL	5,833.2	5,517.8	5,549.9	5,168.5	5,127.1

Factory Consumption of Fats and Oils to Manufacture Major Inedible Products 1978-1982 Marketing Years

TABLE 8

NA: Not available separately, but included in "Other Fats and Oils."

SOURCE: "Fats and Oils", series M2OK, Current Industrial Reports, 1978-1983, Industry Division, Bureau of Census, United States Department of Commerce, Washington, D.C.

	1978-79	1979-80	1980-81	1981-82	1982-83
			Percent-		
Cottonseed	.1	.2	.1	.1	.1
Soybean Oil	4.2	3.7	3.6	3.9	4.0
Corn Oil	0	*	*	*	*
Peanut Oil	*	*	*	*	*
Lard	1.0	.9	1.2	1.0	1.6
Edible Tallow	.7	.6	.5	.8	.8
Coconut Oil	8.3	7.4	8.1	8.0	9.0
Vegetable Oil Foots	1.5	1.5	1.4	1.1	1.3
Castor Oil	1.9	1.6	1.6	1.6	1.4
Sunflower Oil	NA	NA	.1	*	*
Linseed Oil	3.6	2.9	2.3	1.8	1.9
Palm Oil	.4	.5	.5	.8	.7
Inedible Tallow & Grease	54.3	54.1	53.8	56.0	54.8
Tung Oil	.2	.3	.3	.3	.2
Fish Oil	.6	.5	.3	.3	.3
Safflower Oil	.1	.1	*	*	*
Tall Oil	21.5	23.8	24.0	22.9	22.5
Other Fats & Oils	1.7	1.9	2.1	1.4	1.3
TOTAL 1/	100.0	100.0	100.0	100.0	100.0

Shares of Factory Consumption for Fats and Oils Used to Manufacture Major Inedible Products 1978-1982 Marketing Years

TABLE 9

* Less than .05.

 $\frac{1}{2}$ Due to rounding the sum of the individual totals may not equal 100. SOURCE: Table 13.

	1978-79	1979-80	1980-81	1981-82	1982-83
			Percent		
Salad or Cooking Oils	65.0	65.4	68.2	66.0	69.6
Baking or Frying Fats	27.8	27.6	23.6	27.4	22.3
Margarine	4.2	3.5	4.7	3.6	4.9
Other Edible Products	2.1	2.2	2.5	2.0	2.6
Inedible Products	.9	1.2	.9	.9	.6
TOTAL1/	100.0	100.0	100.0	100.0	100.0

Shares of Cottonseed Oil Consumption by Major End-Use Categories 1978-1982 Marketing Years

1/ Due to rounding, the individual totals may not equal 100.

SOURCE: "Fats and Oils," series M2OK, Current Industrial Reports, 1978-1983, Industry Division, Bureau of Census, United States Department of Commerce, Washington, D.C.

TABLE 11

Shares of Soybean Oil Consumption by Major End-Use Categories 1978-1982 Marketing Years

				8 Y S S S S S S S S S S S S S S S S S S				
	1978-79	1979-80	1980-81	1981-82	1982-83			
	Percent							
Salad or Cooking Oils	46.3	47.7	48.0	46.8	49.2			
Baking or Frying Fats	31.1	30.6	30.4	32.0	31.0			
Margarine	19.3	18.9	18.9	18.5	17.0			
Other Edible Products	.4	.4	.5	.5	.6			
Inedible Products	2.9	2.4	2.3	2.2	2.2			
TOTAL	100.0	100.0	100.0	100.0	100.0			

SOURCE: "Fats and Oils," series M2OK, Current Industrial Reports, 1978-1983, Industry Division, Bureau of Census, United States Department of Commerce, Washington, D.C.

	1978-79	1979-80	1980-81	1981-82	1982-83			
	Million Pounds							
Cottonseed 0il	179.7	189.1	132.4	166.8	142.4			
Soybean Oil	2,653.4	2,658.2	2,675.3	2,990.7	2,943.6			
Lard	277.3	382.0	328.4	282.6	251.5			
Edible Tallow	743.4	668.9	729.6	692.7	616.1			
Coconut Oil	92.0	93.3	123.4	132.3	164.1			
Palm Oil	235.1	190.4	215.3	192.5	205.9			
Other Fats and Oils	19.5	18.9	19.8	25.0	32.3			
TOTAL	4,200.4	4,200.8	4,224.2	4,482.6	4,355.9			

Factory Consumption of Fats and Oils Used in Baking or Frying 1978-1982 Marketing Years

SOURCE: "Fats and Oils," series M2OK, Current Industrial Reports, 1978-1983, Industry Division, Bureau of Census, United States Department of Commerce, Washington, D.C.

TABLE 13

Factory Consumption of Fats and Oils Used in Salad and Cooking Oils 1978-1982 Marketing Years

	1978-79	1979-80	1980-81	1981-82	1982-83				
	Million Pounds								
Cottonseed 0il	420.2	449.0	382.0	401.6	443.9				
Soybean Oil	3,953.1	4,152.7	4,226.3	4,368.1	4,667.6				
Corn Oil	313.6	334.6	382.9	357.2	394.8				
Peanut Oil	95.9	147.6	104.9	126.5	161.6				
Palm Oil	35.4	NA	50.6	NA	NA				
Sunflower	NA	NA	68.9	82.3	NA				
Other Fats and Oils	173.3	187.1	64.4	102.4	166.6				
TOTAL	4,991.5	5,271.0	5,280.0	5,438.1	5,834.5				

NA: Not available separately, but included in "Other Fats and Oils."

SOURCE: "Fats and Oils," series M2OK, Current Industrial Reports, 1978-1983, Industry Division, Bureau of Census, United States Department of Commerce, Washington, D.C.

	1978-79	1979-80	1980-81	1981-82	1982-83			
<u>an an a</u>	Million Pounds							
Cottonseed 0il	27.2	24.3	26.5	22.0	31.0			
Soybean Oil	1,647.5	1,647.6	1,665.6	1,722.5	1,614.8			
Corn Oil	223.4	221.8	217.0	216.5	216.8			
Palm Oil	16.1	NA	4.7	NA	NA			
Lard/Edible Tallow	81.3	102.9	94.8	36.0	30.5			
Other Fats and Oils	26.5	35.6	13.8	10.1	12.9			
TOTAL	2,022.0	2,032.2	2,022.4	2,007.1	1,906.0			

Factory Consumption of Fats and Oils Used in Margarine 1978-1982 Marketing Years

NA: Not available separately, but available in "Other Fats and Oils."

SOURCE: "Fats and Oils," series M2OK, Current Industrial Reports, 1978-1983, Industry Division, Bureau of Census, United States Department of Commerce, Washington, D.C.

TABLE 15

Factory Consumption of Fats and Oils Used in Other Edible Products 1978-1982 Marketing Years

	1978-79	1979-80	1980-81	1981-82	1982-83			
	Million Pounds							
Cottonseed 0il	13.6	15.4	14.1	12.3	16.7			
Soybean Oil	37.9	34.6	43.0	51.3	56.3			
Coconut	199.9	131.6	158.5	146.3	NA			
Palm Oil	18.5	24.5	20.8	19.6	23.7			
Palm Kernel Oil	110.6	107.8	115.2	NA	NA			
Other Fats and Oils	12.8	10.4	29.8	150.9	271.7			
Other Fats and Oils	393.3	324.3	381.4	380.4	368.4			

NA: Not available separately, but included in "Other Fats and Oils."

SOURCE: "Fats and Oils," series M2OK, Current Industrial Reports, 1978-1982, Industry Division, Bureau of Census, United States Department of Commerce, Washington, D.C.

	1978	1979	1980	1981	1982		
<u></u>		M	illion Pour	nds			
Production							
Margarine	2,481	2,538	2,558	2,557	2,593		
Butter 1/	994	985	1,145	1,228	1,257		
TOTAL	3,475	3,523	3,703	3,785	3,850		
		PoundsPounds					
Per Capita Consumptio	n						
Margarine	11.2	11.2	11.3	11.2	11.1p		
Butter 1/	4.4	4.5	4.5	4.3	4.5p		
TOTAL	15.6	15.7	15.8	15.5	15.6		

Production and Per Capita Consumption of Margarine and Butter 1978-1982 Calendar Years

TABLE 16

1/ Includes whey butter.

SOURCE: "Fats and Oils," series M2OK, Current Industrial Reports, 1978-1982, Industry Division, Bureau of Census, United States Department of Commerce, Washington, D.C.

"Statistical Abstract of the United States, 1984," Bureau of Census, United States Department of Commerce, Washington, D.C.

1978	1979	1980	1981	1982	1983
		Cents Pe	r Pound		
39.8	41.5	38.7	37.3	38.5	39.5
115.4	128.5	145.5	170.0	177.7	176.9
	39.8	39.8 41.5	Cents Per 39.8 41.5 38.7	Cents Per Pound 39.8 41.5 38.7 37.3	Cents Per Pound 39.8 41.5 38.7 37.3 38.5

Wholesale Prices of Margarine and Butter 1976-1980 Calendar Years

 $\frac{1}{2}$ Yellow quarters, wholesale price per pound, f.o.b., Chicago. 2/ Creamery, Grade A, New York.

SOURCE: "Fats and Oils Situation," February 1983-May 1984, Economic Research Service, United States Department of Agriculture, Washington, D.C.

"Statistics on Oilseed and Related Data," 1965-1982, Economic Research Service, United States Department of Agriculture, Washington, D. C.

THE NATIONAL COTTON COUNCIL

The National Cotton Council (NCC) is the central organization representing all seven sectors of the U.S. cotton industry: producers, ginners, warehousemen, merchants, cottonseed crushers, cooperatives, and textile manufacturers.

It is a representative body composed of approximately 300 delegates elected through certified state, regional, and national organizations. A majority of elected delegates from each sector must approve all NCC policies, thus assuring unity of purpose and action.

The central goal of NCC is increased consumption and profitability of U.S. cotton, cottonseed, and their products. It seeks that goal through (a) industry representation on matters involving government and (b) diverse programs of domestic and foreign market development, research support, economic analysis, public relations, and technical services.

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