

Fats and Oils: Production, Consumption, and Stocks: 2005

Issued June 2006

Summary

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SUMMARY OF FINDINGS

For the 2005 calendar year, production of refined soybean oil and consumption of soybean oil in

both edible and inedible products increased. The production of refined soybean oil increased 2.8 percent, from 15,181.5 million pounds in 2004 to 15,601.7 million pounds in 2005. Consumption of soybean oil in edible and inedible products had an overall increase of 2.1 percent, from 17,759.2 million pounds in 2004 to 18,129.0 million pounds in 2005. Production of refined cottonseed oil increased 15.3 percent, from 695.5 million pounds in 2004 to 801.7 million pounds in 2005.

For the industry as a whole, there was a 4.9 percent increase in edible oils consumed in products, from 21,415.9 million pounds in 2004 to 22,471.5 million pounds in 2005. There was a 7.4 percent increase in inedible oils consumed in products, from 6,402.6 million pounds in 2004 to 6,873.5 million pounds in 2005.

For general CIR information, explanation of general terms and historical note, see the appendix.

Address inquiries concerning these data to Consumer Goods Industries Branch, Manufacturing and Construction Division, (MCD), Washington, DC 20233-6900, or call James Day, 301-763-3429.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-763-4673.

U S C E N S U S B U R E A U

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Table 1a. Selected Items of Fats and Oils Consumption, Seasonally Adjusted: 2005 and 2004
 [Millions of pounds]

Year and month	Edible oils consumed in--					Other edible products	Total inedible oils consumed
	Total	Baking or frying fats	Margarine	Salad or cooking oil			
2005							
December.....	1,842.1	697.2	66.3	1,042.7	35.9	r/	603.6
November.....	1,847.5	683.0	71.6	1,043.8	49.1	r/	583.5
October.....	1,898.8	693.4	73.0	1,084.3	48.1		580.1
September.....	1,857.5	703.3	73.0	1,035.3	45.9	r/	558.4
August.....	1,865.5	722.3	73.1	1,025.2	44.9	r/	561.8
July.....	1,909.0	783.2	70.8	1,017.0	38.0	r/	567.5
June.....	1,850.7	777.4	74.8	964.4	34.1	r/	576.8
May.....	1,892.5	772.8	78.1	1,001.7	39.9	r/	577.5
April.....	1,950.0	794.1	70.9	r/ 1,049.6	35.4	r/	576.1
March.....	1,915.1	809.6	85.5	985.2	34.8	r/	573.9
February.....	1,887.1	789.3	82.8	982.6	32.4	r/	582.4
January.....	1,802.0	722.0	83.7	954.9	41.4	r/	590.4
2004							
December.....	1,774.3	711.3	75.0	941.8	46.2		514.2
November.....	1,819.2	706.2	109.6	956.2	47.2		534.9
October.....	1,748.0	694.8	95.8	923.1	34.3		551.6
September.....	1,812.3	720.1	110.1	945.5	36.6		523.9
August.....	1,754.2	722.3	112.7	883.8	35.4		538.5
July.....	1,797.9	751.7	112.6	897.2	36.4		530.3
June.....	1,767.5	710.1	108.4	914.8	34.2		552.6
May.....	1,814.3	820.8	99.9	857.0	36.6		537.9
April.....	1,817.8	764.0	110.6	908.7	34.5		524.0
March.....	1,804.5	773.3	108.9	887.1	35.2		540.9
February.....	1,868.3	814.6	108.4	915.8	29.5		496.7
January.....	1,757.8	779.1	115.6	833.7	29.4		507.5

r/Revised by 5 percent or more from previously published data.

Note: Total may not equal the sum of the detail due to independent rounding.

Table 1b. Selected Items of Fats and Oils Consumption, Not Seasonally Adjusted: 2005 and 2004
 [Millions of pounds]

Year and month	Edible oils consumed in--					Total inedible oils consumed
	Total	Baking or frying fats	Margarine	Salad or cooking oil	Other edible products	
2005						
Total.....	22,471.5	8,918.2	896.3	12,177.0	480.0	r/ 6,873.5
December.....	1,797.1	671.4	74.8	1,014.9	35.9	r/ 583.8
November.....	1,939.6	721.3	84.7	1,084.4	49.1	r/ 544.2
October.....	2,016.1	746.3	79.3	1,142.4	48.1	r/ 581.2
September.....	1,901.8	729.1	77.0	1,049.8	45.9	r/ 565.9
August.....	1,928.0	759.8	75.1	1,048.1	44.9	r/ 589.4
July.....	1,856.6	764.3	61.0	993.3	38.0	r/ 561.0
June.....	1,813.6	749.0	71.1	959.4	34.1	r/ 590.0
May.....	1,912.4	778.5	72.3	1,021.7	39.9	r/ 590.4
April.....	1,918.3	766.1	67.5	r/ 1,049.4	35.4	r/ 571.0
March.....	1,977.3	833.6	86.3	1,022.5	34.8	r/ 600.9
February.....	1,719.3	715.1	71.9	900.0	32.4	r/ 539.3
January.....	1,691.5	683.6	75.3	891.2	41.4	r/ 556.5
2004						
Total.....	21,415.9	8,933.9	1,262.0	10,784.4	435.6	6,402.6
December.....	1,754.4	693.3	88.4	926.5	46.2	508.0
November.....	1,935.6	752.3	134.5	1,001.6	47.2	540.7
October.....	1,877.1	758.3	109.1	975.3	34.3	563.1
September.....	1,829.4	740.9	112.6	939.4	36.6	497.6
August.....	1,791.5	738.0	116.3	901.7	35.4	563.2
July.....	1,761.4	733.1	96.6	895.3	36.4	556.6
June.....	1,754.3	692.2	106.1	921.8	34.2	550.9
May.....	1,755.2	805.0	84.2	829.5	36.6	529.1
April.....	1,797.8	740.6	107.2	915.6	34.5	543.5
March.....	1,830.8	801.1	103.5	890.9	35.2	572.5
February.....	1,692.3	744.4	93.8	824.6	29.5	477.7
January.....	1,636.1	734.6	109.9	762.1	29.4	499.6

r/Revised by 5 percent or more from previously published data.

Note: Total may not equal the sum of the detail due to independent rounding.

Table 3a. Total Quantity of Consumption of Fats and Oils in Edible and Inedible Products: 2005 and 2004
[Millions of pounds]

Product description	Total	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.
2005													
Consumption in edible													
products 1/.....	22,471.5	1,797.1	1,939.6	2,016.1	1,901.8	1,928.0	1,856.6	1,813.6	1,912.4	1,918.3	1,977.3	1,719.3	1,691.5
Baking or frying fats.....	8,918.2	671.4	721.3	746.3	729.1	759.8	764.3	749.0	778.5	766.1	833.6	715.1	683.6
Margarine.....	896.3	74.8	84.7	79.3	77.0	75.1	61.0	71.1	72.3	67.5	86.3	71.9	75.3
Salad or cooking oil.....	12,177.0	1,014.9	1,084.4	1,142.4	1,049.8	1,048.1	993.3	959.4	1,021.7	r/ 1,049.4	1,022.5	900.0	891.2
Other edible products 2/.....	480.0	35.9	49.1	48.1	45.9	44.9	38.0	34.1	39.9	35.4	34.8	32.4	41.4
Consumption in inedible													
products 1/.....	r/ 6,873.5	r/ 583.8	r/ 544.2	r/ 581.2	r/ 565.9	r/ 589.4	r/ 561.0	r/ 590.0	r/ 590.4	r/ 571.0	r/ 600.9	r/ 539.3	r/ 556.5
Fatty acids.....	2,270.8	r/ 191.1	178.1	202.2	170.0	193.2	176.8	200.9	r/ 205.4	183.2	194.5	174.4	201.0
Feed.....	3,222.6	r/ 274.0	r/ 254.7	r/ 257.4	r/ 277.6	278.5	261.9	269.8	r/ 268.8	r/ 274.0	r/ 291.4	r/ 256.6	r/ 257.7
Lubricants.....	364.4	r/ 29.8	r/ 30.7	r/ 30.7	r/ 31.1	r/ 30.8	r/ 30.1	r/ 30.4	r/ 30.1	r/ 30.3	r/ 30.2	r/ 30.1	r/ 30.2
Paint and varnish.....	104.2	9.8	9.1	10.2	9.3	10.8	11.6	8.1	10.2	6.1	9.2	4.8	5.0
Resins and plastics.....	156.7	r/ 9.4	r/ 11.6	r/ 13.2	r/ 13.2	r/ 12.1	r/ 14.2	r/ 14.9	r/ 14.3	r/ 13.6	r/ 12.5	r/ 15.1	r/ 12.6
Soap.....	257.0	r/ 23.1	r/ 18.7	24.8	21.3	19.9	19.5	22.8	22.2	21.7	25.7	20.7	16.5
Other inedible products.....	497.7	46.6	41.3	42.6	43.3	44.0	46.9	43.0	39.4	42.1	37.3	37.7	33.6
2004													
Consumption in edible													
products 1/.....	21,415.9	1,754.4	1,935.6	1,877.1	1,829.4	1,791.5	1,761.4	1,754.3	1,755.2	1,797.8	1,830.8	1,692.3	1,636.1
Baking or frying fats.....	8,933.9	693.3	752.3	758.3	740.9	738.0	733.1	692.2	805.0	740.6	801.1	744.4	734.6
Margarine.....	1,262.0	88.4	134.5	109.1	112.6	116.3	96.6	106.1	84.2	107.2	103.5	93.8	109.9
Salad or cooking oil.....	10,784.4	926.5	1,001.6	975.3	939.4	901.7	895.3	921.8	829.5	915.6	890.9	824.6	762.1
Other edible products 2/.....	435.6	46.2	47.2	34.3	36.6	35.4	36.4	34.2	36.6	34.5	35.2	29.5	29.4
Consumption in inedible													
products 1/.....	6,402.6	508.0	540.7	563.1	497.6	563.2	556.6	550.9	529.1	543.5	572.5	477.7	499.6
Fatty acids.....	2,373.7	175.6	202.9	204.0	154.2	212.2	221.6	231.0	210.1	196.4	217.3	171.7	176.6
Feed.....	2,962.8	257.5	250.5	270.7	255.7	255.1	250.0	227.7	229.9	249.6	257.8	219.6	238.6
Lubricants.....	111.7	8.7	9.3	9.6	9.6	9.2	9.7	9.6	9.3	9.3	9.3	9.1	9.0
Paint and varnish.....	91.3	7.2	7.1	5.8	5.9	6.4	8.6	9.4	6.7	12.1	9.7	5.9	6.5
Resins and plastics.....	161.4	10.1	11.0	13.2	13.8	15.8	10.5	16.9	16.0	14.6	14.4	14.4	10.6
Soap.....	249.8	19.1	20.2	24.4	22.0	23.0	18.3	19.8	20.0	20.0	24.4	20.7	18.1
Other inedible products.....	452.0	29.8	39.8	35.4	36.4	41.4	37.8	36.5	37.3	41.6	39.5	36.3	40.2

r/Revised by 5 percent or more from previously published data.

1/Includes hydrogenated fats (vegetable and animal) and other fats and oils in process.

2/Includes confectioner's fats.

Table 3b. Selected Fats and Oils Consumed in End Products: 2005
[Millions of pounds]

Product description	Total all fats and oils	Castor	Coconut	Corn	Cottonseed	Edible tallow	Fish															
Total.....	29,345.0	23.3	620.4	(D)	(D)	402.0	2.7															
Consumption in edible products.....	22,471.5	-	337.3	1,644.8	620.4	223.4	-															
Baking and frying fats.....	8,918.2	-	(D)	(D)	212.8	(D)	-															
Margarine.....	896.3	-	-	(D)	(D)	(D)	-															
Salad or cooking oil.....	12,177.0	-	(D)	1,407.3	389.5	(NA)	-															
Other edible products.....	480.0	-	(D)	(D)	(D)	(D)	-															
Consumption in inedible products.....	6,873.5	23.3	283.1	(D)	(D)	178.6	2.7															
Fatty acids.....	2,270.8	-	(D)	-	-	(D)	-															
Feed.....	3,222.6	(NA)	(D)	(D)	(D)	(D)	(D)															
Lubricants.....	364.4	(D)	(D)	-	(D)	-	(D)															
Paint and varnish.....	104.2	(S)	(D)	-	-	(NA)	(D)															
Resins and plastics.....	156.7	(S)	(D)	-	-	-	-															
Soap.....	257.0	(D)	54.7	-	(D)	(D)	(NA)															
Other inedible products.....	497.7	21.6	(D)	(D)	(D)	(D)	(D)															
								Inedible tallow and grease	Lard	Linseed	Palm	Palm kernel	Peanut	Rapeseed								
Total.....	3,917.7	235.0	67.0	(D)	(D)	(D)	(D)															
Consumption in edible products.....	-	175.4	-	(D)	(D)	(D)	1,274.7															
Baking and frying fats.....	-	(D)	-	(D)	(D)	(D)	(D)															
Margarine.....	-	(D)	-	(D)	-	-	(D)															
Salad or cooking oil.....	-	(NA)	-	(D)	(D)	(D)	1,137.5															
Other edible products.....	-	-	-	(D)	(D)	(D)	-															
Consumption in inedible products.....	3,917.7	59.6	67.0	(D)	(D)	(D)	(D)															
Fatty acids.....	606.2	(D)	(D)	(D)	-	-	(D)															
Feed.....	2,824.8	(D)	(NA)	-	-	-	(D)															
Lubricants.....	(D)	(D)	-	-	-	-	(D)															
Paint and varnish.....	(NA)	(NA)	(D)	-	(NA)	-	(D)															
Resins and plastics.....	(NA)	(NA)	44.3	-	(NA)	(NA)	(D)															
Soap.....	(D)	-	(NA)	(D)	-	-	(D)															
Other inedible products.....	(D)	(D)	(D)	-	(D)	(D)	(D)															
								Safflower	Soybean	Sunflower	Tall	Tung	Vegetable foots	Other fats and oils								
Total.....	(D)	18,129.0	(D)	1,533.4	1.9	37.0	(D)															
Consumption in edible products.....	(D)	17,443.8	(D)	-	-	-	(D)															
Baking and frying fats.....	-	7,799.0	(D)	-	-	-	(D)															
Margarine.....	(D)	848.2	-	-	-	-	(D)															
Salad or cooking oil.....	(D)	8,657.4	(D)	-	-	-	(D)															
Other edible products.....	-	139.2	-	-	-	-	(D)															
Consumption in inedible products.....	(D)	685.2	(D)	1,533.4	1.9	37.0	(D)															
Fatty acids.....	-	(D)	(D)	1,408.3	(NA)	-	(D)															
Feed.....	-	(NA)	-	(NA)	(NA)	(D)	(D)															
Lubricants.....	-	(NA)	-	27.8	-	(D)	(D)															
Paint and varnish.....	(D)	88.6	-	(D)	(D)	-	(D)															
Resins and plastics.....	-	89.8	(D)	(D)	(D)	-	(D)															
Soap.....	-	(D)	-	(D)	(NA)	-	(D)															
Other inedible products.....	(D)	429.3	(D)	(D)	(D)	-	(D)															

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available.
S Does not meet publication standards.

Note: Total may not equal the sum of the detail due to independent rounding.

Table 4b. Production, Consumption, and Factory and Warehouse Stocks of Selected Fats and Oils: 2004
 [Millions of pounds]

Product code	Product description	Total	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.
Other fats and oils:														
Consumption:														
311223D195	Selected edible and inedible products 1/.....	22.7	1.8	2.0	1.8	1.8	2.2	2.0	2.4	1.8	1.7	1.7	1.8	1.7
311223D195 pt.	Edible products.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
311223D195 pt.	Inedible products.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
311223D195	Stocks, end of month.....	(X)	0.9	1.2	1.1	0.9	1.0	1.8	1.2	1.4	1.4	1.1	1.2	1.2

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. pt. Part. X Not applicable. Z Less than 50 thousand pounds.

- 1/Includes hydrogenated fats (vegetable and animal) and other fats and oils in process (e.g., refined cottonseed includes stocks of stearin).
- 2/Production of refined oils covers only once-refined oils. Degummed soybean oil is reported as crude oil.
- 3/Consumption in feed is reported by renderers and fat reprocessors as shipments for consumption of inedible tallow and grease for use in livestock and poultry feed. Data are not collected regarding other oils provided for or consumed in margarine for 2004.
- 4/5.6 million pounds of lard and edible tallow consumed in margarine for 2004.
- 5/Includes raw and boiled linseed oil.
- 6/Includes linseed oil other than raw and boiled.
- 7/The use of whole or crude tall oil in the distillation or fractionization process is reported as consumed in fatty acids. The production represents refined tall oil and distilled tall oil containing less than 90 percent free fatty acids not including resin acids.

Table 5. Production and Producers' and Warehouse Stocks of Selected Fats and Oils Products: 2005 and 2004
 [Millions of pounds]

Product description	Total	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.
2005													
Production:													
Baking or frying fats, including shortening.....	8,727.7	667.1	720.0	r/ 720.9	729.9	r/ 730.3	716.9	r/ 725.9	748.9	742.6	804.1	705.5	r/ 715.7
100 percent vegetable oil.....	8,335.7	634.2	684.6	689.0	694.6	r/ 696.6	690.8	689.8	718.3	709.6	767.6	676.9	683.9
Other baking or frying fats.....	392.0	32.9	35.4	r/ 31.9	35.3	r/ 33.7	r/ 26.1	36.1	r/ 30.6	r/ 33.0	r/ 36.6	r/ 28.6	r/ 31.9
Margarine.....	1,239.1	r/ 111.0	r/ 124.3	106.8	102.7	112.2	85.6	93.8	100.6	89.2	118.2	97.8	96.8
Salad and cooking oil.....	11,797.7	1,004.6	1,077.5	1,068.6	988.3	1,008.2	959.0	914.1	1,006.9	1,027.6	990.5	882.4	870.0
Soybean salad and cooking oil.....	8,633.9	702.5	768.2	799.6	727.3	737.8	701.4	677.6	751.0	770.3	725.3	640.7	632.1
Other salad and cooking oil.....	3,163.8	302.1	r/ 309.3	268.9	261.1	270.5	257.6	236.4	255.9	257.2	265.2	241.7	237.9
Other.....	2,206.8	168.8	186.3	176.5	165.3	175.8	176.5	182.8	221.2	206.9	207.4	161.0	178.4
Glycerin.....	568.7	39.9	49.9	33.9	35.4	35.1	40.7	41.4	76.1	66.0	68.1	r/ 37.2	45.2
Crude (100 percent basis).....	228.4	18.7	23.6	r/ 13.8	r/ 17.4	16.8	20.3	17.3	20.7	17.4	25.7	15.4	21.3
Refined (all grades, 100 percent basis)....	340.3	r/ 21.2	26.3	20.0	18.0	18.3	20.4	24.1	55.4	48.6	42.4	r/ 21.8	23.9
Fatty acids (all grades).....	1,638.0	128.9	136.5	142.6	129.9	140.7	135.8	141.4	145.1	140.9	139.2	123.8	133.2
Crude glycerin consumed in refining.....	354.8	22.2	r/ 26.4	19.9	19.4	18.8	21.1	27.6	57.1	49.4	43.4	22.0	27.5
Producers' and warehouse stocks:													
Baking or frying fats, including shortening.....	(X)	132.6	121.7	134.1	r/ 141.2	r/ 122.5	154.7	111.0	r/ 127.6	118.9	121.5	121.2	126.3
100 percent vegetable oil.....	(X)	126.7	115.3	121.0	127.1	108.8	142.2	106.2	115.7	112.6	114.4	113.7	120.9
Other baking or frying fats.....	(X)	5.9	6.4	r/ 13.1	r/ 14.2	r/ 13.6	r/ 12.5	4.8	r/ 11.8	6.3	7.1	7.4	5.4
Margarine.....	(X)	17.7	22.7	29.4	r/ 27.3	r/ 26.2	r/ 23.7	20.1	22.5	r/ 23.4	r/ 25.5	r/ 23.9	r/ 23.1
Salad and cooking oil.....	(X)	140.5	163.1	145.8	127.7	136.6	173.1	133.0	143.2	146.9	122.6	130.1	138.5
Soybean salad and cooking oil.....	(X)	82.7	91.1	82.4	73.4	78.6	102.3	81.4	81.4	84.4	68.1	78.0	89.1
Other salad and cooking oil.....	(X)	57.8	72.0	63.4	54.3	58.0	70.7	51.6	61.8	62.5	54.4	52.2	49.4
Other.....	(X)	313.1	296.5	297.1	295.9	299.8	304.2	295.7	298.1	283.7	239.2	278.7	290.5
Glycerin.....	(X)	108.1	90.8	92.7	90.7	107.4	96.6	99.2	108.8	109.3	99.3	105.2	111.6
Crude (100 percent basis).....	(X)	63.1	53.7	50.5	48.0	r/ 63.7	51.1	55.3	57.3	61.1	49.8	57.5	r/ 57.2
Refined (all grades, 100 percent basis)....	(X)	45.1	37.1	42.2	42.7	43.6	45.6	43.9	51.4	48.2	49.6	47.7	54.4
Fatty acids (all grades).....	(X)	204.9	205.7	204.3	205.3	192.4	207.6	196.6	189.3	174.4	139.9	173.5	178.9
2004													
Production:													
Baking or frying fats, including shortening.....	9,671.1	788.8	835.8	845.2	811.9	809.5	804.8	781.5	836.9	779.0	837.1	772.8	767.6
100 percent vegetable oil.....	9,205.8	745.0	794.6	805.1	774.3	771.5	765.2	744.2	800.8	741.0	794.8	737.2	732.2
Other baking or frying fats.....	465.3	43.8	41.2	40.1	37.6	38.1	39.6	37.4	36.2	38.0	42.4	35.6	35.4
Margarine.....	1,567.0	117.4	168.0	133.8	132.5	138.5	122.9	135.0	108.9	136.7	138.4	117.2	117.8
Salad and cooking oil.....	10,783.8	895.0	975.9	1,002.7	927.1	893.7	890.5	902.1	856.9	892.2	915.9	853.5	778.3
Soybean salad and cooking oil.....	7,756.1	623.8	683.6	719.0	656.5	648.1	635.9	649.2	646.4	648.0	669.5	613.3	562.8
Other salad and cooking oil.....	3,027.6	271.3	292.3	283.7	270.5	245.6	254.5	252.9	210.4	244.2	246.4	240.2	215.4
Other.....	2,387.0	178.2	192.4	207.4	195.1	194.3	202.9	228.9	214.5	201.4	187.6	191.4	192.8
Glycerin.....	670.2	42.1	45.2	57.9	46.4	53.7	61.0	68.1	58.8	58.0	62.6	58.1	58.3
Crude (100 percent basis).....	292.3	20.1	22.2	25.2	20.3	25.6	21.6	24.7	27.2	26.6	28.1	24.7	26.0
Refined (all grades, 100 percent basis)....	377.9	22.0	23.0	32.7	26.1	28.1	39.4	43.4	31.6	31.4	34.6	33.4	32.2
Fatty acids (all grades).....	1,716.8	136.1	147.2	149.6	148.7	140.5	141.9	160.9	155.7	143.5	125.0	133.3	134.5
Crude glycerin consumed in refining.....	396.9	23.8	25.2	33.8	27.1	29.6	42.0	45.9	32.5	32.6	35.8	33.8	34.7
Producers' and warehouse stocks:													
Baking or frying fats, including shortening.....	(X)	127.0	120.7	129.8	119.9	130.5	119.7	117.4	144.1	122.7	126.7	134.1	131.2
100 percent vegetable oil.....	(X)	122.4	115.6	124.1	114.8	124.2	115.3	109.7	135.9	115.1	118.1	127.4	123.3
Other baking or frying fats.....	(X)	4.5	5.1	5.8	5.1	6.3	4.3	7.7	8.2	7.6	8.6	6.7	7.9
Margarine.....	(X)	16.6	32.9	38.1	45.0	42.2	44.3	38.7	26.3	28.5	29.6	31.2	28.8
Salad and cooking oil.....	(X)	136.7	129.3	159.6	143.3	126.1	140.3	147.4	155.5	149.4	147.2	165.0	146.3
Soybean salad and cooking oil.....	(X)	87.3	85.4	95.7	85.3	64.6	91.5	87.4	100.2	83.2	86.4	99.1	86.3
Other salad and cooking oil.....	(X)	49.5	43.9	63.9	57.9	61.6	48.8	59.9	55.2	66.2	60.8	65.9	60.0
Other.....	(X)	312.2	294.7	306.2	315.1	286.4	265.3	299.7	302.4	277.6	308.0	262.6	262.7
Glycerin.....	(X)	115.5	103.6	116.1	109.5	100.0	90.1	93.4	100.1	88.3	106.7	75.9	68.0
Crude (100 percent basis).....	(X)	54.9	44.7	55.5	50.9	43.3	41.6	42.2	47.0	38.3	40.3	35.2	25.5
Refined (all grades, 100 percent basis)....	(X)	60.7	58.8	60.6	58.6	56.7	48.4	51.2	53.2	50.0	66.4	40.7	42.5
Fatty acids (all grades).....	(X)	196.6	191.1	190.1	205.6	186.4	175.2	206.3	202.3	189.3	201.3	186.7	194.7

r/Revised by 5 percent or more from previously published data. X Not applicable.

Table 6. Warehouse Stocks of Selected Fats and Oils Products: 2005 and 2004
 [Millions of pounds]

Product code	Product description	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.
2005													
3112251XXX	Baking or frying fats, including shortening.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
31122XXXXX	Cottonseed and soybean oil (all grades except salad or cooking oil).....	734.6	568.5	649.8	620.3	617.6	643.7	548.6	586.7	522.4	458.6	386.0	425.2
3116131121	Grease (other than wool grease).....	11.5	10.7	11.1	17.2	22.3	17.4	12.5	12.7	13.7	14.7	12.6	11.7
3116131111	Inedible tallow, including inedible animal stearin.....	120.3	65.9	87.4	75.8	74.4	88.6	54.5	41.3	37.6	77.1	57.1	75.7
311611D131	Lard.....	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Salad and cooking oil.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3112251445	Soybean salad and cooking oil.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3112251585	Other salad and cooking oil.....	-	-	-	-	-	-	-	-	-	-	(D)	(D)
2004													
3112251XXX	Baking or frying fats, including shortening.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
31122XXXXX	Cottonseed and soybean oil (all grades except salad or cooking oil).....	291.7	301.9	307.9	260.5	381.9	438.7	510.3	525.5	508.8	610.5	619.2	556.7
3116131121	Grease (other than wool grease).....	10.4	7.2	9.2	10.4	9.3	9.0	12.3	11.2	19.6	26.8	18.0	(D)
3116131111	Inedible tallow, including inedible animal stearin.....	92.7	90.1	88.3	121.9	94.7	125.6	94.6	117.0	133.7	138.6	116.6	106.9
311611D131	Lard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Salad and cooking oil.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3112251445	Soybean salad and cooking oil.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3112251585	Other salad and cooking oil.....	-	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

- Represents zero. D Withheld to avoid disclosing data for individual companies.

Note: Includes all stocks reported on Census form M311H, which covers public warehouses, port terminals and warehouses of companies producing fats and products, except wholesale branches of meat packers. Does not include stock held retail stores, bakeries, restaurants, or private warehouses of retail and wholesale distributors. Does not include stock reports on Census form M311J, M311M, and M311N, which cover crushing mills, refineries, and certain consuming establishments.

Table 7. Shipments, Exports, Imports, Stocks, and Apparent Consumption of Animal and Vegetable Fats and Oils: 2005 and 2004

[Millions of kilograms]

Product description	Beginning stock	Quantity produced	Imports for consumption 1/	Ending stock	Exports of domestic merchandise 2/	Apparent consumption 3/
2005						
Corn oil.....	36.1	(D)	2.0	27.1	188.1	(D)
Crude.....	11.2	1,096.3	1.4	9.8	160.7	938.5
Refined.....	24.9	(D)	0.5	17.3	27.4	(D)
Cottonseed oil.....	50.0	809.9	4.7	34.3	4.7	825.7
Crude.....	7.4	446.2	4.7	2.8	4.7	450.8
Refined.....	42.6	363.7	-	31.5	-	374.8
Edible tallow.....	10.1	822.1	0.5	11.2	131.7	689.8
Inedible tallow.....	89.7	1,758.8	25.0	102.9	643.8	1,126.8
Soybean oil.....	430.9	15,936.8	0.3	596.7	389.6	15,381.7
Crude.....	340.2	8,859.9	0.2	506.8	346.0	8,347.4
Refined.....	90.8	7,076.9	0.1	89.9	43.6	7,034.3
2004						
Corn oil.....	49.2	(D)	2.9	36.1	189.8	(D)
Crude.....	7.5	1,081.6	2.2	11.2	188.0	892.1
Refined.....	41.7	(D)	0.8	24.9	1.8	(D)
Cottonseed oil.....	30.8	714.5	-	50.0	16.7	678.6
Crude.....	3.1	399.1	-	7.4	16.7	378.1
Refined.....	27.7	315.5	-	42.6	-	300.5
Edible tallow.....	10.7	824.5	0.4	10.1	115.8	709.7
Inedible tallow.....	57.0	1,679.9	23.8	89.7	731.7	939.3
Soybean oil.....	707.7	14,764.7	126.6	430.9	315.1	14,853.0
Crude.....	621.6	7,878.4	126.6	340.2	279.6	8,006.8
Refined.....	86.1	6,886.3	-	90.8	35.5	6,846.1

- Represents zero. D Withheld to avoid disclosing data for individual companies.

1/Source: Census Bureau report IM 146, U.S. Imports for Consumption.

2/Source: Census Bureau report EM 545, U.S. Exports.

3/Source: Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturer's production plus imports, and adjusting for changes in stocks.

Table 8a. Supply and Distribution of Cottonseed Oil, Soybean Oil, Corn Oil, and Palm Oil: 2005 and 2004
[Millions of pounds]

Supply and distribution	Cottonseed oil	Soybean oil	Corn oil	Palm oil
2005				
Total supply.....	1,105.4	20,844.2	2,532.5	1,009.3
Beginning stocks.....	111.3	1,311.1	111.3	92.4
Crude production.....	983.7	19,532.5	2,416.9	(X)
Imports.....	10.4	0.6	4.3	916.9
Total distribution.....	(D)	21,511.9	(D)	(D)
Ending stocks.....	75.6	2,190.5	130.0	151.2
Production of foots 1/.....	3.6	333.5	(D)	(D)
Exports 2/.....	10.4	858.9	414.6	22.2
Domestic consumption 3/.....	(D)	18,129.0	(D)	(D)
Excess supply less distribution.....	(D)	(667.7)	(D)	(D)
2004				
Total supply.....	950.6	19,705.0	2,538.7	664.2
Beginning stocks.....	70.8	2,057.3	147.6	60.8
Crude production.....	879.8	17,368.7	2,384.6	(X)
Imports.....	-	279.1	6.4	603.4
Total distribution.....	(D)	20,164.0	(D)	(D)
Ending stocks.....	111.3	1,311.1	111.3	92.4
Production of foots 1/.....	1.9	399.0	(D)	(D)
Exports 2/.....	36.8	694.6	414.4	15.8
Domestic consumption 3/.....	(D)	17,759.2	(D)	(D)
Excess supply less distribution.....	(D)	(458.9)	(D)	(D)

- Represents zero. D Withheld to avoid disclosing data for individual companies. X Not applicable.

1/Represents difference between crude oil consumed in refining and refined oil production.

2/Represents crude and once-refined oil only; excludes exports of fully refined oil.

3/Consumption of once-refined oils plus direct consumption of crude in end products.

Table 8b. Supply and Distribution of Selected Fats and Oils: 2005 and 2004
 [Millions of pounds]

Supply and distribution	Cottonseed oil		Soybean oil		Inedible tallow and grease
	Crude	Once refined 1/	Crude	Once refined 1/	
2005					
Total supply.....	1,011.3	895.7	20,643.9	15,802.0	4,131.0
Beginning stocks.....	17.2	94.0	1,111.0	200.1	197.7
Production.....	983.7	801.7	19,532.5	15,601.7	3,877.4
Imports.....	10.4	-	0.4	0.2	55.9
Total distribution.....	825.4	(D)	19,104.3	18,009.3	5,573.7
Ending stocks.....	6.2	69.4	1,992.4	198.1	226.8
Exports.....	10.4	-	762.8	96.1	1,429.2
Domestic consumption.....	808.7	(D)	16,349.1	17,715.1	3,917.7
Excess supply less distribution.....	186.0	(D)	1,539.6	(2,207.3)	(1,442.6)
2004					
Total supply.....	889.6	756.5	19,515.1	15,371.4	3,883.1
Beginning stocks.....	9.8	61.1	1,867.4	189.9	125.6
Production.....	879.8	695.5	17,368.7	15,181.5	3,703.5
Imports.....	-	-	279.0	-	53.9
Total distribution.....	754.4	(D)	17,661.9	17,436.4	5,170.4
Ending stocks.....	17.2	94.0	1,111.0	200.1	197.7
Exports.....	36.8	-	616.3	78.3	1,626.1
Domestic consumption.....	700.4	(D)	15,934.6	17,158.0	3,346.7
Excess supply less distribution.....	135.2	(D)	1,853.2	(2,065.0)	(1,287.4)

- Represents zero. D Withheld to avoid disclosing data for individual companies.

1/Includes once-refined oil consumed in making salad oil, some of which is subsequently exported.

Table 9. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
	Corn oil:		
311223J151	Crude.....	1515.21.0000	1515.21.0000
3112217125	Refined.....	1515.29.0020	1515.29.0020
	Cottonseed oil:		
3112231100	Crude.....	1512.21.0000	1512.21.0000
3112234100	Refined.....	1512.29.0020	1512.29.0020
311611T131	Edible tallow.....	1502.00.0020	1502.00.0020
31161311	Inedible tallow and grease.....	1502.00.0040 1503.00.0000	1502.00.0040 1503.00.0000
311223G1	Palm oil.....	1511.10.0000 1511.90.0000	1511.10.0000 1511.90.0000
	Soybean oil:		
3112221151	Crude.....	1507.10.0000	1507.10.0000
3112221231	Refined.....	1507.90.4020	1507.90.4020

1/Source: 2005 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (2005).

Appendix.

General CIR Survey Information, Explanation of General Terms and Historical Note

GENERAL

The CIR program has been providing monthly, quarterly, and annual measures of industrial activity for many years. Since 1904, with its cotton and fats and oils surveys, the CIR program has formed an essential part of an integrated statistical system involving the quinquennial economic census, manufacturing sector, and the annual survey of manufactures. The CIR surveys, however, provide current statistics at a more detailed product level than either of the other two statistical programs.

The primary objective of the CIR program is to produce timely, accurate data on production and shipments of selected products. The data are used to satisfy economic policy needs and for market analysis, forecasting, and decision making in the private sector. The product-level data generated by these surveys are used extensively by individual firms, trade associations, and market analysts in planning or recommending marketing and legislative strategies, particularly if their industry is significantly affected by foreign trade. Although production and shipments information are the two most common data items collected, the CIR program collects other measures also such as inventories, orders, and consumption. These surveys measure manufacturing activity in important commodity areas such as textiles and apparel, chemicals, primary metals, computer and electronic components, industrial equipment, aerospace equipment, and consumer goods.

The CIR program uses a unified data collection, processing, and publication system. The U.S. Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic census, manufacturing sector. The manufacturing sector provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is too large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. The CIR program includes a group of mandatory and voluntary surveys. Typically the monthly and quarterly surveys are conducted on a voluntary basis. Those companies that choose not to respond to the voluntary surveys are required to submit a mandatory annual counterpart corresponding to the more frequent survey.

NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS), 1997

The adoption of the North American Industry Classification System (NAICS) in the 1997 Economic Census has had a major impact on the comparability of current and historic data. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those that left manufacturing are logging and portions of publishing. Prominent among the industries that came into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. The net effect of the classification changes are such that if the 1997 value of shipments data for all manufacturers were tabulated on an SIC basis, it would be approximately 3 percent higher.

Listed below are the NAICS sectors:

- 21 Mining
- 22 Utilities
- 23 Construction
- 31-33 Manufacturing
- 42 Wholesale Trade
- 44-45 Retail Trade
- 48-49 Transportation and Warehousing
- 51 Information
- 52 Finance and Insurance
- 53 Real Estate and Rental and Leasing
- 54 Professional, Scientific, and Technical Services
- 55 Management of Companies and Enterprises
- 56 Administrative and Support and Waste Management and Remediation Services
- 61 Educational Services
- 62 Health Care and Social Assistance
- 71 Arts, Entertainment, and Recreation
- 72 Accommodation and Food Services
- 81 Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

FUNDING

The Census Bureau funds most of the surveys. However, a number of surveys are paid for either fully or partially by other Federal Government agencies or private trade associations. A few surveys are mandated, but all are authorized by Title 13 of the United States Code.

RELIABILITY OF DATA

Survey error may result from several sources including the inability to obtain information about all cases in the survey, response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding the reported data, and other errors of collection, response, coverage, and estimation. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to these nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is the imputing of data for nonrespondents, for late reporters, and for data that fail logic edits. Missing figures are imputed based on period-to-period movements shown by reporting firms. A figure is considered to be an impute if the value was not directly reported on the questionnaire, directly derived from other reported items, directly available from supplemental sources, or obtained from the respondent during the analytical review phase. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are suppressed or footnoted. The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is assumed to be small. The degree of uncertainty regarding the accuracy of the published data increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

DATA REVISIONS

Statistics for previous years may be revised as the result of corrected figures from respondents, late reports for which imputations were originally made, or other corrections. Data that have been revised by more than 5 percent from previously published data are indicated by footnotes.

DISCLOSURE

The Census Bureau collects the CIR data under the authority of Title 13, United States Code, which specifies that the information can only be used for statistical purposes and cannot be published or released in any manner that would identify a person, household, or establishment. "D" indicates that data in the cell have been suppressed to avoid disclosure of information pertaining to individual companies.

EXPLANATION OF GENERAL TERMS

Capacity. The maximum quantity of a product that can be produced in a plant in 1 day if operating for 24 hours. Includes the capacity of idle plants until the plant is reported to be destroyed, dismantled, or abandoned.

Consumption. Materials used in producing or processing a product or otherwise removing the product from the inventory.

Exports. Includes all types of products shipped to foreign countries, or to agents or exporters for reshipment to foreign countries.

Gross shipments. The quantity or value of physical shipments from domestic establishments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale or use. Shipments of products purchased for resale are omitted. Shipments of products made under toll arrangements are included.

Interplant transfers. Shipments to other domestic plants within a company for further assembly, fabrication, or manufacture.

Inventories. The quantity or value of finished goods, work in progress, and materials on hand.

Machinery in place. The number of machines of a particular type in place as of a particular date whether the machinery was used for production, prototype, or sampling, or was idle. Machinery in place includes all machinery set up in operating positions.

Net receipts. Derived by subtracting the materials held at the end of the previous month from the sum of materials used during the current month.

Production. The total volume of products produced, including: products sold; products transferred or added to inventory after adjustments for breakage, shrinkage, and obsolescence, plus any other inventory adjustment; and products that undergo further manufacture at the same establishment.

Quantities produced and consumed. Quantities of each type of product produced by a company for internal consumption within that same company.

Quantity and value of new orders. The sales value of orders received during the current reporting period for products and services to be delivered immediately or at some future date. Also represents the net sales value of contract change documents that increase or decrease the sales value of the orders to which they are related, when the parties concerned are in substantial agreement as to the amount involved. Included as orders are only those that are supported by binding legal documents such as signed contracts or letter contracts.

Quantity and value of shipments. The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. Shipments to a company's own branches are assigned the same value as comparable appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

Stocks. Total quantity of ending finished inventory.

Unfilled orders (backlog). Calculated by adding net new orders and subtracting net sales from the backlog at the end of the preceding year.

HISTORICAL NOTE

Prior to 1998, the surveys M20K (Fats and Oils-Production, Consumption and Stocks) and M20J (Fats and Oils-Oilseed Crushings) were published together on an annual basis. Prior to 1991, data were collected on a monthly crop year basis starting from September 1 and ending on August 31. In 1991, data were collected on a quarterly calendar year basis starting on January 1 and ending on December 31. Currently, data are collected on a monthly calendar year basis starting from January 1 and ending on December 31.

Data on fats and oils have been collected by the Census Bureau since 1919. Historical data may be obtained from the Current Industrial Reports (called Facts for Industry before 1959) available at your local Federal Depository Library.