



Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks

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Special Note

The *Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks* publication is a product of NASS's Current Agricultural Industrial Reports (CAIR) program. CAIR will provide a data series that was previously made available by the United States Census Bureau's Current Industrial Reports (CIR) program but discontinued in 2011. For the details on the CAIR program see, http://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Current_Agricultural_Industrial_Reports/index.asp.

Highlights

May 2015 contained 31 days.

June 2015 contained 30 days.

July 2015 contained 31 days.

August 2015 contained 31 days.

Soybeans crushed for crude oil was 4.38 million tons in August 2015, compared to 4.68 million tons in July 2015 and 4.55 million tons in June 2015. Crude oil produced was 1.64 billion pounds down 6 percent from July 2015 and down 4 percent from June 2015. Soybean once refined oil production at 1.41 billion pounds during August decreased 1 percent from July and decreased 3 percent from June.

Canola seeds crushed for crude oil was 145.3 thousand tons in August 2015, compared to 159.2 thousand tons in July 2015 and 102.3 thousand tons in June 2015. Canola crude oil produced was 118.5 million pounds down 11 percent from July 2015 but up 36 percent from June 2015. Canola once refined oil production at 127.3 million pounds during August was down 4 percent from July but up 20 percent from June. Cottonseeds crushed for crude oil was 97.7 thousand tons in August 2015, compared to 110.3 thousand tons in July 2015 and 125.8 thousand tons in June 2015. Cottonseed crude oil produced was 29.3 million pounds down 11 percent from July 2015 and down 25 percent from June 2015. Cottonseed once refined oil production at 43.9 million pounds during August was down 15 percent from July and down 10 percent from June.

Edible tallow production was 57.3 million pounds during August 2015, down 5 percent from July 2015 and down 11 percent from June 2015. Inedible tallow production was 268 million pounds during August 2015, up 6 percent from July 2015 but down 6 percent from June 2015. Technical tallow production was 100.3 million pounds during August 2015, up 17 percent from July 2015 and up 16 percent from June 2015. Choice white grease production at 106.3 million pounds during August decreased slightly from July and decreased 8 percent from June.

Soybean Crushing, Production, Consumption and Stocks – United States: May 2015 - August 2015

Item	May 2015	June 2015	July 2015	August 2015
Crush				
Soybeans crushed tons	4,682,322	4,549,103	4,680,979	4,382,895
Crude oil produced 1,000 pounds	1,754,179	1,708,286	1,740,224	1,643,322
Cake and meal produced tons	3,472,958	3,380,130	3,472,710	3,187,881
For animal feed tons	3,432,552	3,332,573	3,416,487	3,106,490
For edible protein products tons	40,406	47,557	56,223	81,391
Millfeed produced tons	235,330	226,653	236,314	297,000
Refine				
Crude oil processed in refining 1,000 pounds	1,439,683	1,499,818	1,463,674	1,439,350
Once refined oil produced 1,000 pounds	1,400,207	1,458,282	1,427,344	1,408,036
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	117,061
Once refined oil removed for use in processing 1,000 pounds	1,348,234	1,448,372	1,411,262	1,395,946
Removed for edible use in processing 1,000 pounds	1,078,712	1,158,925	1,089,432	1,119,210
Removed for inedible use in processing 1,000 pounds	269,522	289,447	321,830	276,736
Stocks				
Cake and meal on hand end of month tons	456,016	300,225	307,850	305,920
Millfeed on hand end of month tons	51,724	34,400	36,616	32,616
Crude oil on hand end of month 1,000 pounds	1,350,252	1,278,576	1,218,631	1,296,675
Crusher 1,000 pounds	1,054,953	1,027,209	950,159	955,546
Refiner 1,000 pounds	163,049	167,724	149,785	250,678
Offsite 1,000 pounds	132,250	83,643	118,687	90,451
Once refined oil on hand end of month 1,000 pounds	376,449	380,046	354,715	338,446

(D) Withheld to avoid disclosing data for individual operations.

Soybean Crushing – Regional: May 2015 - August 2015

Region	Soybeans crushed							
	May 2015		June 2015		July 2015		August 2015	
	(tons)		(tons)		(tons)		(tons)	
Illinois	527,050		606,566		553,006		592,782	
Iowa	999,851		1,042,505		963,713		924,771	
North and East ¹	1,122,112		1,069,307		1,107,382		967,985	
North Central ²	586,822		515,011		662,728		686,391	
South, West and Pacific ³	630,186		551,190		615,424		538,922	
West Central ⁴	816,301		764,524		778,726		672,044	
Region	Crude oil produced				Crude oil stocks at crusher			
	May 2015	June 2015	July 2015	August 2015	May 2015	June 2015	July 2015	August 2015
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	199,753	229,969	210,218	229,564	263,758	260,325	182,384	186,815
Iowa	373,025	384,007	355,836	343,825	154,548	176,662	159,745	148,111
North and East ¹	411,841	395,927	405,282	356,274	233,055	210,258	193,378	242,941
North Central ²	221,107	198,012	244,417	255,895	220,252	177,279	185,604	244,594
South, West and Pacific ³	235,004	207,559	230,382	202,043	52,299	61,165	77,866	43,887
West Central ⁴	313,449	292,812	294,089	255,721	131,041	141,520	151,182	89,198
Region	Cake and meal produced				Cake and meal stocks			
	May 2015	June 2015	July 2015	August 2015	May 2015	June 2015	July 2015	August 2015
	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)
Illinois	384,474	443,421	402,832	437,569	74,899	61,107	64,068	57,547
Iowa	741,843	771,184	713,971	679,922	93,268	62,259	54,557	46,941
North and East ¹	836,302	800,609	823,075	716,415	105,526	69,294	94,817	78,902
North Central ²	447,321	391,598	501,675	507,854	57,914	21,242	28,561	31,862
South, West and Pacific ³	458,922	405,561	449,432	354,849	50,768	53,669	42,802	41,589
West Central ⁴	604,096	567,757	581,725	491,272	73,641	32,654	23,045	49,079

¹ North and East includes Indiana, Kentucky, Maryland, Ohio, Pennsylvania and Virginia.

² North Central includes Michigan, Minnesota, North Dakota and South Dakota.

³ South, West, and Pacific includes Alabama, Arkansas, California, Georgia, Louisiana, North Carolina and South Carolina.

⁴ West Central includes Kansas, Missouri and Nebraska.

**Selected Oilseed Crushing, Production, Consumption and Stocks – United States:
May 2015 - August 2015**

Item	May 2015	June 2015	July 2015	August 2015
Canola				
Crush				
Seeds crushed tons	112,135	102,281	159,241	145,328
Crude oil produced1,000 pounds	94,626	87,396	133,462	118,497
Cake and meal produced tons	64,406	58,947	90,983	80,766
Refine				
Crude oil processed in refining1,000 pounds	139,820	109,253	143,818	130,974
Once refined oil produced1,000 pounds	136,406	105,896	132,069	127,341
Consumption				
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	132,078	120,085	138,638	131,203
Removed for edible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month tons	(D)	(D)	37,071	(D)
Crude oil on hand end of month1,000 pounds	70,155	52,991	71,721	69,098
Once refined oil on hand end of month1,000 pounds	66,095	73,554	74,327	83,440
Cottonseed				
Crush				
Seeds crushed tons	141,846	125,787	110,345	97,738
Crude oil produced1,000 pounds	43,639	38,971	33,035	29,271
Cake and meal produced tons	64,958	55,528	49,101	(D)
Refine				
Crude oil processed in refining1,000 pounds	54,697	49,090	52,009	45,192
Once refined oil produced1,000 pounds	53,547	48,705	51,578	43,886
Consumption				
Crude oil removed for inedible use in processing1,000 pounds	-	-	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	51,442	55,723	59,450	43,476
Removed for edible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month tons	53,074	56,310	58,230	46,450
Crude oil on hand end of month1,000 pounds	43,475	(D)	(D)	(D)
Once refined oil on hand end of month1,000 pounds	39,934	43,662	36,572	36,458

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

Selected Oils Production, Consumption and Stocks – United States: May 2015 - August 2015

Item	May 2015	June 2015	July 2015	August 2015
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Coconut				
Refine				
Crude oil processed in refining	40,119	45,270	51,186	53,485
Once refined oil produced	38,530	46,882	52,447	55,403
Consumption				
Crude oil removed for inedible use in processing	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing	62,128	68,679	74,903	77,537
Removed for edible use in processing	(D)	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month	85,109	92,718	97,939	89,674
Once refined oil on hand end of month	26,409	18,312	18,994	25,624
Corn				
Refine				
Crude oil processed in refining	(S)	(S)	(S)	(S)
Once refined oil produced	(S)	(S)	(S)	(S)
Consumption				
Crude oil removed for inedible use in processing	(S)	(S)	(S)	(S)
Once refined oil removed for use in processing	(S)	(S)	(S)	(S)
Removed for edible use in processing	(S)	(S)	(S)	(S)
Removed for inedible use in processing	(S)	(S)	(S)	(S)
Stocks				
Crude oil on hand end of month	(S)	(S)	(S)	(S)
Once refined oil on hand end of month	(S)	(S)	(S)	(S)
Olives				
Crush				
Crushed for oil	-	-	-	-
Virgin oil produced	-	-	-	-
Refine				
Refined oil produced	(D)	(D)	(D)	(D)
Consumption				
Refined oil removed for use in processing	(D)	(D)	(D)	(D)
Removed for edible use in processing	(D)	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	-	-
Stocks				
Virgin oil on hand end of month	89	80	78	(D)
Refined oil on hand end of month	(D)	(D)	(D)	(D)
Palm kernel				
Consumption				
Once refined oil removed for use in processing	33,465	29,973	34,692	34,387
Removed for edible use in processing	(D)	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)	(D)
Stocks				
Once refined oil on hand end of month	90,109	84,513	97,557	81,101
Palm				
Consumption				
Once refined oil removed for use in processing	141,603	157,995	178,735	170,257
Removed for edible use in processing	136,910	147,667	165,458	164,502
Removed for inedible use in processing	4,693	10,328	13,277	5,755
Stocks				
Once refined oil on hand end of month	377,332	365,663	352,521	346,704

See footnote(s) at end of table.

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**Selected Oils Production, Consumption and Stocks – United States:
May 2015 - August 2015 (continued)**

Item	May 2015 (1,000 pounds)	June 2015 (1,000 pounds)	July 2015 (1,000 pounds)	August 2015 (1,000 pounds)
Peanut				
Refine				
Crude oil processed in refining	(D)	25,611	22,970	18,675
Once refined oil produced	(D)	23,546	21,184	16,713
Consumption				
Crude oil removed for inedible use in processing	-	(D)	(D)	(D)
Once refined oil removed for use in processing	(D)	19,820	22,219	17,761
Removed for edible use in processing	(D)	19,820	(D)	(D)
Removed for inedible use in processing	-	-	(D)	(D)
Stocks				
Crude oil on hand end of month	18,612	13,465	16,926	16,452
Once refined oil on hand end of month	10,513	(D)	(D)	(D)
Sunflower				
Refine				
Crude oil processed in refining	22,169	36,850	33,504	43,104
Once refined oil produced	20,501	35,177	31,997	40,916
Consumption				
Crude oil removed for inedible use in processing	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing	25,416	33,317	34,818	30,446
Removed for edible use in processing	(D)	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month	31,163	24,803	53,153	37,676
Once refined oil on hand end of month	23,254	23,155	18,559	45,210
Vegetable foots, raw and acidulated				
Refine				
Oil produced	(D)	(D)	(D)	27,523
Consumption				
Oil removed for inedible use in processing	(D)	(D)	(D)	(D)
Stocks				
Oil on hand end of month	23,141	24,501	28,863	16,553

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Animal Fats and Oils Production, Consumption and Stocks – United States: May 2015 - August 2015

Item	May 2015 (1,000 pounds)	June 2015 (1,000 pounds)	July 2015 (1,000 pounds)	August 2015 (1,000 pounds)
Choice white grease				
Production	117,875	115,688	106,407	106,288
Removed for inedible use	118,362	114,100	108,268	102,643
Stocks on hand end of month	19,241	18,053	14,338	16,795
Fatty acids				
Production	(S)	(S)	(S)	(S)
Stocks on hand end of month	(S)	(S)	(S)	(S)
Feather meal				
Production	93,489	91,527	92,653	97,549
Stocks on hand end of month	17,034	15,885	17,744	17,288
Glycerin, crude				
Production	(S)	(S)	(S)	(S)
Processed in refining	(S)	(S)	(S)	(S)
Stocks on hand end of month	(S)	(S)	(S)	(S)
Glycerin, refined				
Production	(S)	(S)	(S)	(S)
Stocks on hand end of month	(S)	(S)	(S)	(S)
Lard				
Production	25,338	28,884	24,504	32,120
Removed for use in processing	25,917	28,705	29,665	43,023
Removed for edible use in processing	(D)	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)	(D)
Stocks on hand end of month	17,447	14,308	7,393	(D)
Meat meal, meat and bone meal, and dry rendered tankage				
Production	495,421	473,234	397,569	423,961
Stocks on hand end of month	89,480	66,311	63,128	73,664
Other grease				
Production	65,928	71,689	77,704	74,573
Removed for inedible use in processing	67,602	72,204	73,185	76,451
Stocks on hand end of month	(D)	(D)	(D)	(D)
Poultry fats				
Production	189,379	181,315	173,661	190,825
Removed for inedible use in processing	134,436	138,290	106,159	144,538
Stocks on hand end of month	20,372	15,850	18,658	18,194
Poultry by-product meals				
Production	247,970	233,763	226,713	251,707
Stocks on hand end of month	60,308	49,412	54,509	55,603
Tallow, edible				
Production	67,807	64,251	60,035	57,280
Removed for use in processing	77,196	65,558	70,912	78,202
Removed for edible use in processing	(D)	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)	(D)
Stocks on hand end of month	28,753	31,895	25,919	23,430
Tallow, inedible				
Production	296,905	284,102	251,530	267,812
Removed for inedible use in processing	298,733	297,329	254,916	249,391
Stocks on hand end of month	97,887	90,352	84,884	107,356
Tallow, technical				
Production	102,098	86,150	85,997	100,321
Removed for inedible use in processing	103,538	85,661	95,951	106,374
Stocks on hand end of month	(D)	(D)	25,871	29,877
Yellow grease				
Production	151,921	170,786	152,255	151,601
Removed for inedible use in processing	136,190	162,261	142,417	154,106
Stocks on hand end of month	94,455	91,928	93,019	95,754

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Statistical Methodology

Survey Procedures: *Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks* is part of the Current Agricultural Industrial Reports (CAIR) program. CAIR reports are administered under NASS's Census of Agriculture program. Response to CAIR surveys are required by law (Title 7, U.S. Code). Animal and vegetable fats and oils data are collected from all known facilities that crush, refine or render. Crushing facilities include processors that use either solvent extraction or continuous screw press.

The census universe was determined during operation profile interviews which were completed for each potential facility to identify the presence of rendering, oilseeds crushing, and crude oil refining in 2014.

In the Animal and Vegetable Fats and Oils survey questionnaire, facilities are asked for previous calendar month data on oilseed crushing, crude oil production, once refined oil production, rendering production, and end of month stocks. Facilities are mailed questionnaires with the options of completing the survey by mail or by Electronic Data Reporting (EDR). For surveys not received in a reasonable amount of time, telephone follow-up is conducted.

Estimating Procedures: Imputation is done for operations with non-response by using historical data and current data relationships. Data for reporting firms are added to estimates for non-reporting firms to obtain National totals.

Revision Policy: Data are revised the following month based on late reports or corrected data. Final figures are published in the annual summary of the following year. The first annual summary will be published in March of 2016.

Reliability: Survey data are based on a census of all known facilities and therefore, have no sampling variability. Monthly data can vary due to different firms reporting month to month. Survey data are also subject to non-sampling errors such as omissions and mistakes in reporting and in processing the data. While these errors cannot be measured directly, they are minimized by carefully reviewing all reported data for consistency and reasonableness.

Information Contacts

Listed below are the commodity statisticians in the Environmental, Economics, and Demographics Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov.

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