



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

In this issue, revisions were made to the June, July, and August 2015 data as a result of survey data received after the inaugural *Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks* publication on October 1, 2015. The established revision policy states that the previous month may be revised with late reports or corrected data, with final revisions published in the annual summary.

Highlights

June 2015 contained 30 days.

July 2015 contained 31 days.

August 2015 contained 31 days.

September 2015 contained 30 days.

Soybeans crushed for crude oil was 4.04 million tons in September 2015, compared to 4.34 million tons in August 2015 and 4.67 million tons in July 2015. Crude oil produced was 1.53 billion pounds down 6 percent from August 2015 and down 12 percent from July 2015. Soybean once refined oil production at 1.40 billion pounds during September decreased 1 percent from August and decreased 2 percent from July.

Canola seeds crushed for crude oil was 184.6 thousand tons in September 2015, compared to 145.3 thousand tons in August 2015 and 159.2 thousand tons in July 2015. Canola crude oil produced was 155.3 million pounds up 31 percent from August 2015 and up 16 percent from July 2015. Canola once refined oil production at 132.3 million pounds during September was up 4 percent from August and up slightly from July. Cottonseeds crushed for crude oil was 116.5 thousand tons in September 2015, compared to 97.7 thousand tons in August 2015 and 110.3 thousand tons in July 2015. Cottonseed crude oil produced was 36.0 million pounds up 23 percent from August 2015 and up 9 percent from July 2015. Cottonseed once refined oil production at 47.3 million pounds during September was up 8 percent from August but down 8 percent from July.

Edible tallow production was 87.7 million pounds during September 2015, up 53 percent from August 2015 and up 46 percent from July 2015. Inedible tallow production was 282 million pounds during September 2015, up 6 percent from August 2015 and up 12 percent from July 2015. Technical tallow production was 89.5 million pounds during September 2015, down 11 percent from August 2015 but up 4 percent from July 2015. Choice white grease production at 110.5 million pounds during September increased 3 percent from August and increased 3 percent from July.

**Soybean Crushing, Production, Consumption and Stocks – United States:
June 2015 - September 2015**

Item	June 2015	July 2015	August 2015	September 2015
Crush				
Soybeans crushed tons	4,549,103	4,672,921	4,337,340	4,036,896
Crude oil produced 1,000 pounds	1,708,286	1,738,053	1,626,655	1,531,282
Cake and meal produced tons	3,380,130	3,468,950	3,193,281	2,974,159
For animal feed tons	3,332,573	3,412,727	3,133,606	2,934,985
For edible protein products tons	47,557	56,223	59,675	39,174
Millfeed produced tons	226,653	235,788	223,371	200,994
Refine				
Crude oil processed in refining 1,000 pounds	1,499,818	1,462,350	1,437,891	1,435,640
Once refined oil produced 1,000 pounds	1,458,282	1,425,963	1,406,585	1,396,101
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	116,726	(D)
Once refined oil removed for use in processing 1,000 pounds	1,448,372	1,410,582	1,394,520	1,344,392
Removed for edible use in processing 1,000 pounds	1,158,925	1,088,812	1,117,803	1,098,750
Removed for inedible use in processing 1,000 pounds	289,447	321,770	276,717	245,642
Stocks				
Cake and meal on hand end of month tons	300,225	310,185	306,757	240,755
Millfeed on hand end of month tons	34,400	36,698	32,480	19,709
Crude oil on hand end of month 1,000 pounds	1,654,261	1,671,075	1,630,310	1,481,201
Crusher 1,000 pounds	1,027,209	1,003,484	904,925	736,754
Refiner 1,000 pounds	167,724	149,785	250,678	275,561
Offsite 1,000 pounds	459,328	517,806	474,707	468,886
Once refined oil on hand end of month 1,000 pounds	380,046	354,715	338,446	338,433

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

Soybean Crushing – Regional: June 2015 - September 2015

Region	Soybeans crushed			
	June 2015	July 2015	August 2015	September 2015
	(tons)	(tons)	(tons)	(tons)
Illinois	606,566	553,006	592,782	484,419
Iowa	1,042,505	963,713	924,771	875,192
North and East ¹	1,069,307	1,107,382	967,985	1,016,594
North Central ²	515,011	662,728	644,551	591,078
South, West and Pacific ³	551,190	607,366	535,207	509,672
West Central ⁴	764,524	778,726	672,044	559,941
Region	Crude oil produced			
	June 2015	July 2015	August 2015	September 2015
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	229,969	210,218	229,564	187,146
Iowa	384,007	355,836	343,825	327,503
North and East ¹	395,927	405,282	356,274	381,500
North Central ²	198,012	244,417	240,608	223,883
South, West and Pacific ³	207,559	228,211	200,663	198,914
West Central ⁴	292,812	294,089	255,721	212,336
Region	Crude oil stocks at crusher			
	June 2015	July 2015	August 2015	September 2015
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	260,325	235,709	186,815	164,881
Iowa	176,662	159,745	148,111	103,783
North and East ¹	210,258	193,378	242,941	175,137
North Central ²	177,279	185,604	193,973	176,772
South, West and Pacific ³	61,165	77,866	43,887	49,694
West Central ⁴	141,520	151,182	89,198	66,487
Region	Cake and meal produced			
	June 2015	July 2015	August 2015	September 2015
	(tons)	(tons)	(tons)	(tons)
Illinois	443,421	402,832	437,569	355,560
Iowa	771,184	713,971	679,922	649,413
North and East ¹	800,609	823,075	716,415	746,864
North Central ²	391,598	501,675	477,627	441,511
South, West and Pacific ³	405,561	445,672	390,476	366,874
West Central ⁴	567,757	581,725	491,272	413,937
Region	Cake and meal stocks			
	June 2015	July 2015	August 2015	September 2015
	(tons)	(tons)	(tons)	(tons)
Illinois	61,107	64,068	57,547	44,165
Iowa	62,259	54,557	46,941	42,035
North and East ¹	69,294	94,817	78,902	53,217
North Central ²	21,242	28,561	31,862	26,602
South, West and Pacific ³	53,669	45,137	42,426	38,902
West Central ⁴	32,654	23,045	49,079	35,834

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:
June 2015 - September 2015**

Item	June 2015	July 2015	August 2015	September 2015
Canola				
Crush				
Seeds crushed	102,281	159,241	145,328	184,589
Crude oil produced	87,396	133,462	118,497	155,306
Cake and meal produced	58,947	90,983	80,766	101,721
Refine				
Crude oil processed in refining	109,253	143,818	130,974	139,708
Once refined oil produced	105,896	132,069	127,341	132,277
Consumption				
Crude oil removed for inedible use in processing	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing	120,085	138,638	131,203	155,167
Removed for edible use in processing	(D)	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month	(D)	37,071	(D)	(D)
Crude oil on hand end of month	(D)	(D)	(D)	(D)
Once refined oil on hand end of month	73,646	74,325	83,533	67,058
Cottonseed				
Crush				
Seeds crushed	125,787	110,345	97,738	116,505
Crude oil produced	38,971	33,035	29,271	36,021
Cake and meal produced	55,528	49,101	(D)	54,485
Refine				
Crude oil processed in refining	49,090	52,009	45,192	49,427
Once refined oil produced	48,705	51,578	43,886	47,255
Consumption				
Crude oil removed for inedible use in processing	-	(D)	(D)	-
Once refined oil removed for use in processing	55,723	59,450	43,476	39,487
Removed for edible use in processing	(D)	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month	56,310	58,230	46,450	42,316
Crude oil on hand end of month	(D)	(D)	(D)	(D)
Once refined oil on hand end of month	43,662	36,572	36,458	48,635
Coconut				
Refine				
Crude oil processed in refining	45,270	51,186	53,485	44,326
Once refined oil produced	46,882	52,447	55,403	45,628
Consumption				
Crude oil removed for inedible use in processing	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing	68,679	74,903	77,537	72,119
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	92,718	97,939	89,674	108,123
Once refined oil on hand end of month	18,312	18,994	25,624	25,782
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)

See footnote(s) at end of table.

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**Selected Oilseed Crushing, Production, Consumption and Stocks – United States:
June 2015 - September 2015 (continued)**

Item	June 2015	July 2015	August 2015	September 2015
Olives				
Crush				
Crushed for oil	-	-	-	(D)
Virgin oil produced	-	-	-	(D)
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	80	78	(D)	(D)
Refined oil on hand end of month	(D)	(D)	(D)	(D)
Palm kernel				
Consumption				
Once refined oil removed for use in processing	29,973	34,692	34,387	34,487
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	84,513	97,557	81,101	86,719
Palm				
Consumption				
Once refined oil removed for use in processing	157,995	178,735	170,257	177,219
Removed for edible use in processing	147,667	165,458	164,502	165,349
Removed for inedible use in processing	10,328	13,277	5,755	11,870
Stocks				
Once refined oil on hand end of month	365,663	352,521	346,704	364,151
Peanut				
Refine				
Crude oil processed in refining	25,611	22,970	18,675	25,271
Once refined oil produced	23,546	21,184	16,713	23,134
Consumption				
Crude oil removed for inedible use in processing	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing	19,820	22,219	17,761	23,048
Removed for edible use in processing	19,820	(D)	(D)	23,048
Removed for inedible use in processing	-	(D)	(D)	-
Stocks				
Crude oil on hand end of month	13,465	16,926	16,452	21,213
Once refined oil on hand end of month	(D)	(D)	(D)	(D)
Sunflower				
Refine				
Crude oil processed in refining	36,850	33,504	43,104	22,264
Once refined oil produced	35,177	31,997	40,916	21,361
Consumption				
Crude oil removed for inedible use in processing	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing	33,317	34,818	30,446	26,611
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	24,803	53,153	37,676	(D)
Once refined oil on hand end of month	23,155	18,559	45,210	20,933
Vegetable foots, raw and acidulated				
Refine				
Oil produced	(D)	(D)	27,523	28,941
Consumption				
Oil removed for inedible use in processing	(D)	(D)	(D)	31,753
Stocks				
Oil on hand end of month	24,501	28,863	16,553	22,835

- 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:
June 2015 - September 2015**

Item	June 2015 (1,000 pounds)	July 2015 (1,000 pounds)	August 2015 (1,000 pounds)	September 2015 (1,000 pounds)
Choice white grease				
Production	116,705	107,580	107,163	110,471
Removed for inedible use	115,031	109,442	103,818	117,135
Stocks on hand end of month	18,192	14,565	16,780	12,194
Fatty acids				
Production	(S)	(S)	(S)	(S)
Stocks on hand end of month	(S)	(S)	(S)	(S)
Feather meal				
Production	91,527	92,653	97,549	98,406
Stocks on hand end of month	15,885	17,744	17,288	18,288
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	28,884	24,504	32,120	33,350
Removed for use in processing	28,705	29,665	43,023	32,442
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	14,308	7,393	(D)	6,436
Meat meal, meat and bone meal, and dry rendered tankage				
Production	473,234	397,569	423,079	453,420
Stocks on hand end of month	66,311	63,128	71,562	50,942
Other grease				
Production	71,689	77,704	74,569	73,666
Removed for inedible use in processing	72,204	73,185	75,898	(D)
Stocks on hand end of month	(D)	(D)	(D)	(D)
Poultry fats				
Production	181,315	173,661	190,825	201,418
Removed for inedible use in processing	138,290	106,159	144,538	149,951
Stocks on hand end of month	15,850	18,658	18,194	23,647
Poultry by-product meals				
Production	235,049	227,466	252,901	261,660
Stocks on hand end of month	49,412	54,509	55,666	61,450
Tallow, edible				
Production	64,251	60,035	57,280	87,714
Removed for use in processing	65,558	70,912	78,202	96,946
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	31,895	25,919	23,430	29,013
Tallow, inedible				
Production	284,102	251,530	267,221	282,153
Removed for inedible use in processing	297,329	254,916	247,073	290,449
Stocks on hand end of month	90,352	84,408	107,313	91,618
Tallow, technical				
Production	86,150	85,997	100,321	89,543
Removed for inedible use in processing	85,661	95,951	106,374	116,665
Stocks on hand end of month	(D)	27,206	(D)	8,597
Yellow grease				
Production	172,213	153,668	159,401	177,832
Removed for inedible use in processing	163,697	143,828	150,821	189,875
Stocks on hand end of month	92,012	93,151	98,283	84,195

(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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Scott Shimmin, Head, Environmental and Demographics Section.....	(202) 720-0684
Stephanie Brennan – Field Crops Chemical Use	(202) 690-0392
David Colwell – Current Agricultural Industrial Reports	(202) 690-3233
Doug Farmer – Vegetable Chemical Use	(202) 720-7492
Ginger Harris – Census of Agriculture.....	(502) 582-5293
Steve Peterson – Farms, Land in Farms, Census of Agriculture	(202) 720-5581
Jackie Ross – Census of Agriculture	(202) 720-7644
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