



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

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Highlights

August 2015 contained 31 days.

September 2015 contained 30 days.

October 2015 contained 31 days.

November 2015 contained 30 days.

Soybeans crushed for crude oil was 4.97 million tons in November 2015, compared to 5.10 million tons in October 2015 and 4.04 million tons in September 2015. Crude oil produced was 1.90 billion pounds down 3 percent from October 2015 but up 24 percent from September 2015. Soybean once refined oil production at 1.43 billion pounds during November 2015 decreased 9 percent from October 2015 but increased 3 percent from September 2015.

Canola seeds crushed for crude oil was 128.9 thousand tons in November 2015, compared to 99.1 thousand tons in October 2015 and 184.6 thousand tons in September 2015. Canola crude oil produced was 108.2 million pounds up 33 percent from October 2015 but down 30 percent from September 2015. Canola once refined oil production at 98.1 million pounds during November 2015 was up 18 percent from October 2015 but down 26 percent from September 2015. Cottonseeds crushed for crude oil was 135.7 thousand tons in November 2015, compared to 123.1 thousand tons in October 2015 and 116.5 thousand tons in September 2015. Cottonseed crude oil produced was 42.0 million pounds, up 11 percent from October 2015 and up 16 percent from September 2015. Cottonseed once refined oil production at 49.5 million pounds during November 2015 was up 2 percent from October 2015 and up 5 percent from September 2015.

Edible tallow production was 83.9 million pounds during November 2015, up slightly from October 2015 but down 2 percent from September 2015. Inedible tallow production was 305 million pounds during November 2015, up 11 percent from October 2015 and up 13 percent from September 2015. Technical tallow production was 105.3 million pounds during November 2015, up 27 percent from October 2015 and up 25 percent from September 2015. Choice white grease production at 116.6 million pounds during November 2015 increased 2 percent from October 2015 but decreased 1 percent from September 2015.

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

Item	August 2015	September 2015	October 2015	November 2015
Crush				
Soybeans crushed tons	4,337,340	4,036,896	5,104,010	4,973,534
Crude oil produced 1,000 pounds	1,626,655	1,531,282	1,962,937	1,901,853
Cake and meal produced tons	3,193,281	2,974,159	3,742,412	3,655,750
For animal feed tons	3,133,606	2,934,985	3,684,955	3,600,752
For edible protein products tons	59,675	39,174	57,457	54,998
Millfeed produced tons	223,371	200,994	258,909	251,965
Refine				
Crude oil processed in refining 1,000 pounds	1,437,891	1,435,640	1,610,904	1,461,965
Once refined oil produced 1,000 pounds	1,406,585	1,396,101	1,575,910	1,433,449
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	116,726	(D)	(D)	90,941
Once refined oil removed for use in processing 1,000 pounds	1,394,520	1,344,392	1,530,330	1,390,793
Removed for edible use in processing 1,000 pounds	1,117,803	1,098,750	1,258,068	1,121,110
Removed for inedible use in processing 1,000 pounds	276,717	245,642	272,262	269,683
Stocks				
Cake and meal on hand end of month tons	306,757	240,755	360,253	342,962
Millfeed on hand end of month tons	32,480	19,709	33,515	38,826
Crude oil on hand end of month 1,000 pounds	1,630,310	1,481,201	1,617,355	1,492,835
Crusher 1,000 pounds	904,925	736,754	847,770	750,725
Refiner 1,000 pounds	250,678	275,561	270,002	267,049
Offsite 1,000 pounds	474,707	468,886	499,583	475,061
Once refined oil on hand end of month 1,000 pounds	338,446	338,433	370,508	420,677

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

Soybean Crushing – Regional: August 2015 - November 2015

Region	Soybeans crushed			
	August 2015	September 2015	October 2015	November 2015
	(tons)	(tons)	(tons)	(tons)
Illinois	592,782	484,419	555,931	580,134
Iowa	924,771	875,192	1,085,673	1,117,349
North and East ¹	967,985	1,016,594	1,251,197	1,186,723
North Central ²	644,551	591,078	745,497	675,509
South, West and Pacific ³	535,207	509,672	656,450	653,803
West Central ⁴	672,044	559,941	809,262	760,016
Region	Crude oil produced			
	August 2015	September 2015	October 2015	November 2015
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	229,564	187,146	215,171	224,717
Iowa	343,825	327,503	414,237	424,938
North and East ¹	356,274	381,500	478,700	449,049
North Central ²	240,608	223,883	288,655	261,263
South, West and Pacific ³	200,663	198,914	255,682	251,126
West Central ⁴	255,721	212,336	310,492	290,760
Region	Crude oil stocks at crusher			
	August 2015	September 2015	October 2015	November 2015
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	186,815	164,881	183,246	87,395
Iowa	148,111	103,783	109,952	134,659
North and East ¹	242,941	175,137	232,422	203,856
North Central ²	193,973	176,772	191,806	204,776
South, West and Pacific ³	43,887	49,694	64,052	62,928
West Central ⁴	89,198	66,487	66,292	57,111
Region	Cake and meal produced			
	August 2015	September 2015	October 2015	November 2015
	(tons)	(tons)	(tons)	(tons)
Illinois	437,569	355,560	398,012	418,043
Iowa	679,922	649,413	797,408	835,465
North and East ¹	716,415	746,864	917,687	870,005
North Central ²	477,627	441,511	556,667	497,698
South, West and Pacific ³	390,476	366,874	477,898	472,620
West Central ⁴	491,272	413,937	594,740	561,919
Region	Cake and meal stocks			
	August 2015	September 2015	October 2015	November 2015
	(tons)	(tons)	(tons)	(tons)
Illinois	57,547	44,165	51,288	79,993
Iowa	46,941	42,035	69,455	64,965
North and East ¹	78,902	53,217	95,336	65,415
North Central ²	31,862	26,602	31,603	23,946
South, West and Pacific ³	42,426	38,902	66,479	65,399
West Central ⁴	49,079	35,834	46,092	43,244

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:
August 2015 - November 2015**

Item	August 2015	September 2015	October 2015	November 2015
Canola				
Crush				
Seeds crushed	145,328	184,589	99,117	128,925
Crude oil produced	118,497	155,306	81,606	108,222
Cake and meal produced	80,766	101,721	55,587	71,958
Refine				
Crude oil processed in refining	130,974	139,708	85,389	99,481
Once refined oil produced	127,341	132,277	82,822	98,094
Consumption				
Crude oil removed for inedible use in processing	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing	131,203	155,167	86,736	91,462
Removed for edible use in processing	(D)	(D)	86,736	(D)
Removed for inedible use in processing	(D)	(D)	-	(D)
Stocks				
Cake and meal on hand end of month	(D)	(D)	(D)	(D)
Crude oil on hand end of month	(D)	(D)	(D)	(D)
Once refined oil on hand end of month	83,533	67,245	57,349	55,944
Cottonseed				
Crush				
Seeds crushed	97,738	116,505	123,060	135,714
Crude oil produced	29,271	36,021	37,719	41,950
Cake and meal produced	(D)	54,485	58,556	61,007
Refine				
Crude oil processed in refining	45,192	49,427	50,383	50,854
Once refined oil produced	43,886	47,255	48,556	49,486
Consumption				
Crude oil removed for inedible use in processing	(D)	-	-	(D)
Once refined oil removed for use in processing	43,476	39,487	50,839	44,338
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	46,450	42,316	44,836	43,407
Crude oil on hand end of month	(D)	(D)	(D)	(D)
Once refined oil on hand end of month	36,458	48,635	46,670	47,772
Coconut				
Refine				
Crude oil processed in refining	53,485	46,965	40,128	53,810
Once refined oil produced	55,403	45,628	38,908	52,472
Consumption				
Crude oil removed for inedible use in processing	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing	77,537	72,119	62,046	71,061
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	89,674	108,123	112,588	85,510
Once refined oil on hand end of month	25,624	25,782	30,512	30,517
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:
August 2015 - November 2015 (continued)**

Item	August 2015	September 2015	October 2015	November 2015
Olives				
Crush				
Crushed for oil	-	(D)	(D)	(D)
Virgin oil produced	-	(D)	(D)	(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)	-	-
Stocks				
Virgin oil on hand end of month	(D)	(D)	(D)	(D)
Refined oil on hand end of month	(D)	(D)	(D)	(D)
Palm kernel				
Consumption				
Once refined oil removed for use in processing	34,387	33,570	41,397	30,797
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	81,101	86,719	90,368	122,672
Palm				
Consumption				
Once refined oil removed for use in processing	170,257	177,219	194,332	175,526
Removed for edible use in processing	164,502	165,349	184,030	169,454
Removed for inedible use in processing	5,755	11,870	10,302	6,072
Stocks				
Once refined oil on hand end of month	346,704	364,151	379,381	422,115
Peanut				
Refine				
Crude oil processed in refining	18,675	25,271	35,971	26,563
Once refined oil produced	16,713	23,134	33,210	24,371
Consumption				
Crude oil removed for inedible use in processing	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing	17,761	23,048	30,347	23,256
Removed for edible use in processing	(D)	23,048	(D)	(D)
Removed for inedible use in processing	(D)	-	(D)	(D)
Stocks				
Crude oil on hand end of month	16,452	21,213	12,062	(D)
Once refined oil on hand end of month	(D)	(D)	(D)	(D)
Sunflower				
Refine				
Crude oil processed in refining	43,104	22,773	44,642	39,719
Once refined oil produced	40,916	21,675	42,502	38,630
Consumption				
Crude oil removed for inedible use in processing	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing	30,446	26,731	37,260	30,723
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	37,676	(D)	54,688	68,834
Once refined oil on hand end of month	45,210	20,869	25,967	34,078
Vegetable foots, raw and acidulated				
Refine				
Oil produced	27,523	28,941	25,188	25,939
Consumption				
Oil removed for inedible use in processing	(D)	31,753	26,224	28,933
Stocks				
Oil on hand end of month	16,553	22,835	11,286	11,357

- Represents zero.

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

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

Item	August 2015 (1,000 pounds)	September 2015 (1,000 pounds)	October 2015 (1,000 pounds)	November 2015 (1,000 pounds)
Choice white grease				
Production	107,163	118,144	114,187	116,647
Removed for inedible use	103,818	122,376	115,087	117,543
Stocks on hand end of month	16,780	12,490	11,338	10,715
Fatty acids				
Production	(S)	(S)	(S)	(S)
Stocks on hand end of month	(S)	(S)	(S)	(S)
Feather meal				
Production	97,549	100,570	91,910	98,132
Stocks on hand end of month	17,288	20,082	19,777	19,215
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	32,120	31,434	29,825	32,776
Removed for use in processing	43,023	30,654	28,841	32,593
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	(D)	6,436	6,676	6,334
Meat meal, meat and bone meal, and dry rendered tankage				
Production	423,079	494,055	465,718	489,874
Stocks on hand end of month	71,562	50,942	58,429	57,276
Other grease				
Production	74,569	78,227	57,552	56,696
Removed for inedible use in processing	75,898	80,407	68,165	55,378
Stocks on hand end of month	(D)	(D)	(D)	(D)
Poultry fats				
Production	190,825	199,998	202,707	208,092
Removed for inedible use in processing	144,538	149,564	203,971	204,600
Stocks on hand end of month	18,194	22,899	18,546	18,535
Poultry by-product meals				
Production	252,901	261,440	235,528	250,468
Stocks on hand end of month	55,666	60,971	54,488	50,244
Tallow, edible				
Production	57,280	85,849	83,526	83,941
Removed for use in processing	78,202	95,652	88,788	84,042
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	23,430	29,013	23,112	23,250
Tallow, inedible				
Production	267,221	269,913	274,755	304,734
Removed for inedible use in processing	247,073	277,133	272,190	304,657
Stocks on hand end of month	107,313	93,407	93,521	90,927
Tallow, technical				
Production	100,321	84,581	82,800	105,338
Removed for inedible use in processing	106,374	108,020	89,169	111,404
Stocks on hand end of month	(D)	10,016	13,261	14,063
Yellow grease				
Production	159,401	169,477	149,087	145,165
Removed for inedible use in processing	150,821	183,352	156,205	136,067
Stocks on hand end of month	98,283	81,270	69,793	78,997

(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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Natasha Bruton – Current Agricultural Industrial Reports.....	(202) 720-7644
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Doug Farmer – Vegetable Chemical Use	(202) 720-7492
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