



# Fats and Oils: Oilseed Crashings, Production, Consumption and Stocks

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## Highlights

**October 2015** contained 31 days.

**November 2015** contained 30 days.

**December 2015** contained 31 days.

**January 2016** contained 31 days.

**Soybeans crushed** for crude oil was 4.81 million tons in January 2016, compared to 5.01 million tons in December 2015 and 4.97 million tons in November 2015. Crude oil produced was 1.86 billion pounds down 3 percent from December 2015 and down 2 percent from November 2015. Soybean once refined oil production at 1.30 billion pounds during January 2016 decreased 7 percent from December 2015 and decreased 9 percent from November 2015.

**Canola seeds crushed** for crude oil was 148.4 thousand tons in January 2016, compared to 165.8 thousand tons in December 2015 and 128.9 thousand tons in November 2015. Canola crude oil produced was 126.1 million pounds down 7 percent from December 2015 but up 17 percent from November 2015. Canola once refined oil production at 123.8 million pounds during January 2016 was up 28 percent from December 2015 and up 26 percent from November 2015. Cottonseeds crushed for crude oil was 131.6 thousand tons in January 2016, compared to 149.6 thousand tons in December 2015 and 135.7 thousand tons in November 2015. Cottonseed crude oil produced was 41.4 million pounds, down 12 percent from December 2015 and down 1 percent from November 2015. Cottonseed once refined oil production at 48.4 million pounds during January 2016 was down 10 percent from December 2015 and down 2 percent from November 2015.

**Edible tallow** production was 88.9 million pounds during January 2016, up 13 percent from December 2015 and up 6 percent from November 2015. Inedible tallow production was 276.7 million pounds during January 2016, down 4 percent from December 2015 and down 9 percent from November 2015. Technical tallow production was 91.1 million pounds during January 2016, down 3 percent from December 2015 and down 14 percent from November 2015. Choice white grease production at 111.9 million pounds during January 2016 decreased 5 percent from December 2015 and decreased 4 percent from November 2015.

**Soybean Crushing, Production, Consumption and Stocks – United States:  
October 2015 - January 2016**

Item	October 2015	November 2015	December 2015	January 2016
<b>Crush</b>				
Soybeans crushed ..... tons	5,104,010	4,973,534	5,011,324	4,814,044
Crude oil produced ..... 1,000 pounds	1,962,937	1,901,853	1,929,027	1,864,887
Cake and meal produced ..... tons	3,742,412	3,655,750	3,669,213	3,539,791
For animal feed ..... tons	3,684,955	3,600,752	3,610,090	3,476,488
For edible protein products ..... tons	57,457	54,998	59,123	63,303
Millfeed produced ..... tons	258,909	251,965	262,266	256,884
<b>Refine</b>				
Crude oil processed in refining ..... 1,000 pounds	1,610,904	1,461,965	1,445,949	1,338,120
Once refined oil produced ..... 1,000 pounds	1,575,910	1,433,449	1,401,107	1,299,161
<b>Consumption</b>				
Crude oil removed for inedible use in processing ..... 1,000 pounds	(D)	90,941	112,270	(D)
Once refined oil removed for use in processing ..... 1,000 pounds	1,530,330	1,390,793	1,337,705	1,283,248
Removed for edible use in processing ..... 1,000 pounds	1,258,068	1,121,110	1,053,797	1,049,611
Removed for inedible use in processing ..... 1,000 pounds	272,262	269,683	283,908	233,637
<b>Stocks</b>				
Cake and meal on hand end of month ..... tons	360,253	342,962	270,421	368,063
Millfeed on hand end of month ..... tons	33,515	38,826	31,927	42,235
Crude oil on hand end of month ..... 1,000 pounds	1,569,861	1,545,181	1,576,849	1,724,459
Crusher ..... 1,000 pounds	747,770	750,725	778,789	890,950
Refiner ..... 1,000 pounds	270,002	267,049	304,192	341,226
Offsite ..... 1,000 pounds	552,089	527,407	493,868	492,283
Once refined oil on hand end of month ..... 1,000 pounds	370,508	420,677	395,661	386,338

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

## Soybean Crushing – Regional: October 2015 - January 2016

Region	Soybeans crushed			
	October 2015	November 2015	December 2015	January 2016
	(tons)	(tons)	(tons)	(tons)
Illinois .....	555,931	580,134	587,325	514,261
Iowa .....	1,085,673	1,117,349	1,118,485	1,064,253
North and East <sup>1</sup> .....	1,251,197	1,186,723	1,105,040	1,119,325
North Central <sup>2</sup> .....	745,497	675,509	709,052	654,555
South, West and Pacific <sup>3</sup> .....	656,450	653,803	665,297	670,757
West Central <sup>4</sup> .....	809,262	760,016	826,125	790,893
Region	Crude oil produced			
	October 2015	November 2015	December 2015	January 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	215,171	224,717	232,176	201,801
Iowa .....	414,237	424,938	427,106	409,626
North and East <sup>1</sup> .....	478,700	449,049	425,422	428,442
North Central <sup>2</sup> .....	288,655	261,263	275,314	258,811
South, West and Pacific <sup>3</sup> .....	255,682	251,126	252,254	257,934
West Central <sup>4</sup> .....	310,492	290,760	316,755	308,273
Region	Crude oil stocks at crusher			
	October 2015	November 2015	December 2015	January 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	83,246	87,395	91,653	126,799
Iowa .....	109,952	134,659	147,848	171,135
North and East <sup>1</sup> .....	232,422	203,856	198,288	226,634
North Central <sup>2</sup> .....	191,806	204,776	227,072	247,460
South, West and Pacific <sup>3</sup> .....	64,052	62,928	64,403	60,469
West Central <sup>4</sup> .....	66,292	57,111	49,525	58,453
Region	Cake and meal produced			
	October 2015	November 2015	December 2015	January 2016
	(tons)	(tons)	(tons)	(tons)
Illinois .....	398,012	418,043	423,765	366,355
Iowa .....	797,408	835,465	827,142	787,211
North and East <sup>1</sup> .....	917,687	870,005	816,299	822,623
North Central <sup>2</sup> .....	556,667	497,698	516,838	488,800
South, West and Pacific <sup>3</sup> .....	477,898	472,620	475,881	487,459
West Central <sup>4</sup> .....	594,740	561,919	609,288	587,343
Region	Cake and meal stocks			
	October 2015	November 2015	December 2015	January 2016
	(tons)	(tons)	(tons)	(tons)
Illinois .....	51,288	79,993	49,628	61,419
Iowa .....	69,455	64,965	45,944	69,767
North and East <sup>1</sup> .....	95,336	65,415	77,279	99,828
North Central <sup>2</sup> .....	31,603	23,946	23,431	46,726
South, West and Pacific <sup>3</sup> .....	66,479	65,399	35,663	39,001
West Central <sup>4</sup> .....	46,092	43,244	38,476	51,322

<sup>1</sup> North and East includes Indiana, Kentucky, Maryland, Ohio, Pennsylvania and Virginia.

<sup>2</sup> North Central includes Michigan, Minnesota, North Dakota and South Dakota.

<sup>3</sup> South, West, and Pacific includes Alabama, Arkansas, California, Georgia, Louisiana, North Carolina and South Carolina.

<sup>4</sup> West Central includes Kansas, Missouri and Nebraska.

**Selected Oilseed Crushing, Production, Consumption and Stocks – United States:  
October 2015 - January 2016**

Item	October 2015	November 2015	December 2015	January 2016
<b>Canola</b>				
Crush				
Seeds crushed .....	99,117	128,925	165,762	148,424
Crude oil produced .....	81,606	108,222	135,689	126,109
Cake and meal produced .....	55,587	71,958	91,746	82,050
Refine				
Crude oil processed in refining .....	85,389	99,481	102,980	130,855
Once refined oil produced .....	82,822	98,094	96,540	123,760
Consumption				
Crude oil removed for inedible use in processing .....	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing .....	86,736	91,462	98,205	117,275
Removed for edible use in processing .....	86,736	(D)	(D)	(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 .....	57,349	55,944	72,843	78,205
<b>Cottonseed</b>				
Crush				
Seeds crushed .....	123,060	135,714	149,644	131,639
Crude oil produced .....	37,719	41,950	46,826	41,430
Cake and meal produced .....	58,556	61,007	70,040	65,905
Refine				
Crude oil processed in refining .....	50,383	50,854	54,603	49,306
Once refined oil produced .....	48,556	49,486	54,020	48,445
Consumption				
Crude oil removed for inedible use in processing .....	-	(D)	-	-
Once refined oil removed for use in processing .....	50,839	44,338	44,042	45,270
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 .....	44,836	43,407	47,977	43,756
Crude oil on hand end of month .....	(D)	(D)	(D)	(D)
Once refined oil on hand end of month .....	46,670	47,772	49,144	51,087
<b>Coconut</b>				
Refine				
Crude oil processed in refining .....	40,128	53,810	35,724	26,460
Once refined oil produced .....	38,908	52,472	35,270	25,620
Consumption				
Crude oil removed for inedible use in processing .....	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing .....	62,046	71,061	50,075	52,177
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 .....	112,588	85,510	99,332	85,607
Once refined oil on hand end of month .....	30,512	30,517	31,137	29,325
<b>Corn</b>				
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:  
October 2015 - January 2016 (continued)**

Item	October 2015	November 2015	December 2015	January 2016
<b>Olives</b>				
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)
<b>Palm kernel</b>				
Consumption				
Once refined oil removed for use in processing .....	41,397	30,797	37,003	47,380
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 .....	90,368	122,672	124,857	132,027
<b>Palm</b>				
Consumption				
Once refined oil removed for use in processing .....	194,332	175,526	171,269	159,978
Removed for edible use in processing .....	184,030	169,454	163,525	141,461
Removed for inedible use in processing .....	10,302	6,072	7,744	18,517
Stocks				
Once refined oil on hand end of month .....	379,381	422,115	473,268	498,710
<b>Peanut</b>				
Refine				
Crude oil processed in refining .....	35,971	26,563	(D)	(D)
Once refined oil produced .....	33,210	24,371	(D)	(D)
Consumption				
Crude oil removed for inedible use in processing .....	(D)	(D)	(D)	-
Once refined oil removed for use in processing .....	30,347	23,256	(D)	(D)
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 .....	12,062	(D)	(D)	(D)
Once refined oil on hand end of month .....	(D)	(D)	(D)	(D)
<b>Sunflower</b>				
Refine				
Crude oil processed in refining .....	44,642	39,719	41,254	34,273
Once refined oil produced .....	42,502	38,630	39,688	33,244
Consumption				
Crude oil removed for inedible use in processing .....	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing .....	37,260	30,517	36,787	29,391
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 .....	54,688	68,834	53,659	61,465
Once refined oil on hand end of month .....	25,967	34,294	33,464	50,523
<b>Vegetable foots, raw and acidulated</b>				
Refine				
Oil produced .....	25,188	25,939	25,912	25,284
Consumption				
Oil removed for inedible use in processing .....	26,224	28,933	25,722	22,150
Stocks				
Oil on hand end of month .....	11,286	11,357	21,987	11,375

- 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:  
October 2015 - January 2016**

Item	October 2015 (1,000 pounds)	November 2015 (1,000 pounds)	December 2015 (1,000 pounds)	January 2016 (1,000 pounds)
<b>Choice white grease</b>				
Production .....	114,187	116,647	117,902	111,920
Removed for inedible use .....	115,087	117,543	119,056	111,080
Stocks on hand end of month .....	11,338	10,715	9,253	10,395
<b>Fatty acids</b>				
Production .....	(S)	(S)	(S)	(S)
Stocks on hand end of month .....	(S)	(S)	(S)	(S)
<b>Feather meal</b>				
Production .....	91,910	98,132	90,908	93,372
Stocks on hand end of month .....	19,777	19,215	19,785	18,236
<b>Glycerin, crude</b>				
Production .....	(S)	(S)	(S)	(S)
Processed in refining .....	(S)	(S)	(S)	(S)
Stocks on hand end of month .....	(S)	(S)	(S)	(S)
<b>Glycerin, refined</b>				
Production .....	(S)	(S)	(S)	(S)
Stocks on hand end of month .....	(S)	(S)	(S)	(S)
<b>Lard</b>				
Production .....	29,825	32,776	29,998	28,209
Removed for use in processing .....	28,841	32,593	29,534	31,140
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 .....	6,676	6,334	8,619	9,791
<b>Meat meal, meat and bone meal, and dry rendered tankage</b>				
Production .....	466,020	488,082	511,225	474,699
Stocks on hand end of month .....	60,677	58,432	57,972	54,360
<b>Other grease</b>				
Production .....	57,552	56,696	56,127	54,109
Removed for inedible use in processing .....	68,165	55,378	57,101	57,431
Stocks on hand end of month .....	(D)	(D)	(D)	(D)
<b>Poultry fats</b>				
Production .....	202,707	208,092	198,753	196,437
Removed for inedible use in processing .....	203,971	204,600	192,601	194,362
Stocks on hand end of month .....	18,546	18,535	22,056	21,492
<b>Poultry by-product meals</b>				
Production .....	235,528	250,461	236,453	245,832
Stocks on hand end of month .....	54,488	50,244	53,622	46,869
<b>Tallow, edible</b>				
Production .....	83,526	83,941	78,930	88,857
Removed for use in processing .....	88,788	84,042	86,352	93,843
Removed for edible use in processing .....	(D)	(D)	(D)	90,636
Removed for inedible use in processing .....	(D)	(D)	(D)	3,207
Stocks on hand end of month .....	23,112	23,250	16,667	12,969
<b>Tallow, inedible</b>				
Production .....	275,016	303,999	287,203	276,689
Removed for inedible use in processing .....	271,842	303,543	288,841	272,450
Stocks on hand end of month .....	94,478	92,336	90,866	79,828
<b>Tallow, technical</b>				
Production .....	82,800	105,338	94,100	91,109
Removed for inedible use in processing .....	89,169	111,404	102,820	99,877
Stocks on hand end of month .....	13,261	14,063	13,100	15,428
<b>Yellow grease</b>				
Production .....	151,888	146,001	170,566	146,593
Removed for inedible use in processing .....	159,747	141,867	166,779	163,859
Stocks on hand end of month .....	75,133	79,475	90,019	73,256

(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.

**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](mailto:nass@nass.usda.gov).

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