



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

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## Highlights

**October 2024** contained 31 days.

**November 2024** contained 30 days.

**Soybeans crushed** for crude oil was 6.30 million tons (210 million bushels) in November 2024, compared with 6.47 million tons (216 million bushels) in October 2024 and 6.00 million tons (200 million bushels) in November 2023. Crude oil produced was 2.49 billion pounds, down 3 percent from October 2024 but up 7 percent from November 2023. Soybean once refined oil production at 1.78 billion pounds during November 2024 decreased 10 percent from October 2024 but increased 5 percent from November 2023.

**Canola seeds crushed** for crude oil was 211,013 tons in November 2024, compared with 218,185 tons in October 2024 and 219,843 tons in November 2023. Canola crude oil produced was 168 million pounds, down 2 percent from October 2024 and down 5 percent from November 2023. Canola once refined oil production, at 169 million pounds during November 2024, was down 7 percent from October 2024 but up 7 percent from November 2023.

**Cottonseed once refined** oil production, at 41.0 million pounds during November 2024, was up 6 percent from October 2024 and up 54 percent from November 2023.

**Edible tallow** production was 80.5 million pounds during November 2024, up 7 percent from October 2024 but down 19 percent from November 2023. Inedible tallow production was 319 million pounds during November 2024, down 1 percent from October 2024 and down less than 1 percent from November 2023. Technical tallow production was 135 million pounds during November 2024, up 3 percent from October 2024 and up 9 percent from November 2023. Choice white grease production, at 117 million pounds during November 2024, increased 25 percent from October 2024 but decreased 2 percent from November 2023.

**Soybean Crushing, Production, Consumption and Stocks – United States: November 2024  
with Comparisons**

Item	November 2023	October 2024	November 2024
<b>Crush</b>			
Soybeans crushed..... tons	6,002,708	6,473,504	6,301,225
Crude oil produced.....1,000 pounds	2,324,668	2,569,453	2,489,941
Cake and meal produced..... tons	4,399,878	4,771,514	4,662,626
For animal feed..... tons	4,349,599	4,702,505	4,588,028
For edible protein products..... tons	50,279	69,009	74,598
Millfeed produced..... tons	306,330	317,235	312,185
<b>Refine</b>			
Crude oil processed in refining.....1,000 pounds	1,737,002	2,031,126	1,822,209
Once refined oil produced.....1,000 pounds	1,692,886	1,987,543	1,782,054
<b>Consumption</b>			
Crude oil removed for inedible use in processing.....1,000 pounds	189,542	201,928	(D)
Once refined oil removed for use in processing.....1,000 pounds	1,682,018	1,964,207	1,767,165
Removed for edible use in processing.....1,000 pounds	1,181,952	1,329,281	1,179,820
Removed for inedible use in processing.....1,000 pounds	500,066	634,926	587,345
<b>Stocks</b>			
Cake and meal on hand end of month..... tons	260,052	303,430	463,019
Millfeed on hand end of month..... tons	44,385	37,780	50,742
Crude oil on hand end of month.....1,000 pounds	1,175,567	1,118,317	1,147,492
Crusher.....1,000 pounds	728,717	698,752	701,416
Refiner.....1,000 pounds	200,541	(D)	189,874
Offsite.....1,000 pounds	246,309	(D)	256,202
Once refined oil on hand end of month.....1,000 pounds	423,529	455,518	465,274

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

## Soybean Crushing – Regional: November 2024 with Comparisons

Region	Soybeans crushed		
	November 2023	October 2024	November 2024
	(tons)	(tons)	(tons)
Illinois .....	661,268	660,727	668,240
Iowa .....	1,285,317	1,382,798	1,278,085
North and East <sup>1</sup> .....	1,367,655	1,466,606	1,405,284
North Central <sup>2</sup> .....	1,048,102	1,203,817	1,179,427
South, West and Pacific <sup>3</sup> .....	705,200	669,127	672,447
West Central <sup>4</sup> .....	935,166	1,090,429	1,097,742
Region	Crude oil produced		
	November 2023	October 2024	November 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	256,700	265,470	264,984
Iowa .....	506,192	547,965	502,482
North and East <sup>1</sup> .....	522,832	567,023	553,734
North Central <sup>2</sup> .....	404,079	463,875	466,003
South, West and Pacific <sup>3</sup> .....	266,433	261,885	258,951
West Central <sup>4</sup> .....	368,432	463,235	443,787
Region	Crude oil stocks at crusher		
	November 2023	October 2024	November 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	95,608	95,176	91,668
Iowa .....	76,354	100,658	103,847
North and East <sup>1</sup> .....	224,524	215,236	222,999
North Central <sup>2</sup> .....	140,383	103,818	111,221
South, West and Pacific <sup>3</sup> .....	(D)	58,762	57,096
West Central <sup>4</sup> .....	(D)	125,102	114,585
Region	Cake and meal produced		
	November 2023	October 2024	November 2024
	(tons)	(tons)	(tons)
Illinois .....	473,968	484,238	494,064
Iowa .....	943,554	1,035,951	950,240
North and East <sup>1</sup> .....	1,005,715	1,056,440	1,029,968
North Central <sup>2</sup> .....	769,883	900,415	886,874
South, West and Pacific <sup>3</sup> .....	515,702	478,565	481,542
West Central <sup>4</sup> .....	691,056	815,905	819,938
Region	Cake and meal stocks		
	November 2023	October 2024	November 2024
	(tons)	(tons)	(tons)
Illinois .....	18,326	26,560	73,877
Iowa .....	47,600	60,703	64,042
North and East <sup>1</sup> .....	90,741	76,521	114,245
North Central <sup>2</sup> .....	41,035	56,913	88,787
South, West and Pacific <sup>3</sup> .....	22,223	39,051	47,242
West Central <sup>4</sup> .....	40,127	43,682	74,826

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

<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, Mississippi, North Carolina and South Carolina.

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

**Selected Oilseed Crushing, Production, Consumption and Stocks – United States: November 2024  
with Comparisons**

Item	November 2023	October 2024	November 2024
<b>Canola</b>			
Crush			
Seeds crushed..... tons	219,843	218,185	211,013
Crude oil produced.....1,000 pounds	176,091	171,288	167,654
Cake and meal produced..... tons	125,765	127,369	124,015
Refine			
Crude oil processed in refining.....1,000 pounds	162,687	186,525	174,474
Once refined oil produced.....1,000 pounds	157,769	181,685	169,374
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	164,181	173,222	178,899
Removed for edible use in processing.....1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Stocks			
Cake and meal on hand end of month..... tons	(D)	30,684	41,133
Crude oil on hand end of month.....1,000 pounds	74,387	27,056	39,905
Once refined oil on hand end of month.....1,000 pounds	92,318	95,515	94,982
<b>Cottonseed</b>			
Crush			
Seeds crushed..... tons	116,560	110,813	126,075
Crude oil produced.....1,000 pounds	31,122	27,809	29,659
Cake and meal produced..... tons	50,801	50,395	61,730
Refine			
Crude oil processed in refining.....1,000 pounds	27,198	39,776	42,229
Once refined oil produced.....1,000 pounds	26,630	38,665	41,007
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	27,223	36,605	35,627
Removed for edible use in processing.....1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Stocks			
Cake and meal on hand end of month..... tons	29,930	31,166	44,359
Crude oil on hand end of month.....1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month.....1,000 pounds	27,843	30,995	36,366
<b>Coconut</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	25,041	35,560	37,518
Once refined oil produced.....1,000 pounds	24,893	35,183	(D)
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	40,667	46,135	45,127
Removed for edible use in processing.....1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Stocks			
Crude oil on hand end of month.....1,000 pounds	58,700	(D)	84,542
Once refined oil on hand end of month.....1,000 pounds	(D)	79,671	(D)
<b>Corn</b>			
Crush			
Crude oil produced.....1,000 pounds	166,582	133,780	130,878
Refine			
Crude oil processed in refining.....1,000 pounds	169,648	133,146	153,395
Once refined oil produced.....1,000 pounds	165,387	129,616	149,017
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	156,060	125,700	119,719
Removed for edible use in processing.....1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Stocks			
Crude oil on hand end of month.....1,000 pounds	80,126	78,673	78,285
Once refined oil on hand end of month.....1,000 pounds	61,316	50,958	58,028

See footnote(s) at end of table.

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**Selected Oilseed Crushing, Production, Consumption and Stocks – United States: November 2024  
with Comparisons (continued)**

Item	November 2023	October 2024	November 2024
<b>Palm kernel</b>			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	44,170	42,417	31,305
Removed for edible use in processing .....1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Stocks			
Once refined oil on hand end of month.....1,000 pounds	85,836	82,310	70,106
<b>Palm</b>			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	191,707	216,746	186,677
Removed for edible use in processing .....1,000 pounds	189,158	210,401	181,699
Removed for inedible use in processing.....1,000 pounds	2,549	6,345	4,978
Stocks			
Once refined oil on hand end of month.....1,000 pounds	339,532	291,419	277,194
<b>Peanut</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	22,832	(D)	(D)
Once refined oil produced.....1,000 pounds	21,525	(D)	(D)
Consumption			
Crude oil removed for inedible use in processing .....1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	27,037	(D)	24,293
Removed for edible use in processing .....1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Stocks			
Crude oil on hand end of month.....1,000 pounds	21,871	7,399	7,742
Once refined oil on hand end of month.....1,000 pounds	(D)	(D)	(D)
<b>Safflower</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	(D)	(D)
Once refined oil produced.....1,000 pounds	(D)	(D)	(D)
Consumption			
Crude oil removed for inedible use in processing .....1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	3,943	5,418	5,560
Removed for edible use in processing .....1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Stocks			
Crude oil on hand end of month.....1,000 pounds	5,329	3,459	3,543
Once refined oil on hand end of month.....1,000 pounds	(D)	(D)	(D)
<b>Sunflower</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	26,474	36,222	31,110
Once refined oil produced.....1,000 pounds	25,268	33,783	29,584
Consumption			
Crude oil removed for inedible use in processing .....1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	31,878	(D)	(D)
Removed for edible use in processing .....1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Stocks			
Crude oil on hand end of month.....1,000 pounds	45,997	18,234	14,208
Once refined oil on hand end of month.....1,000 pounds	39,389	31,719	30,798

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

**Animal Fats and Oils Production, Consumption and Stocks – United States: November 2024  
with Comparisons**

Item	November 2023 (1,000 pounds)	October 2024 (1,000 pounds)	November 2024 (1,000 pounds)
<b>Choice white grease</b>			
Production.....	118,975	93,742	117,111
Removed for inedible use.....	117,805	91,988	121,360
Stocks on hand end of month.....	6,870	10,816	6,567
<b>Feather meal</b>			
Production.....	89,588	87,794	96,250
Stocks on hand end of month.....	13,067	18,823	19,629
<b>Lard</b>			
Production.....	31,321	21,030	21,857
Removed for use in processing.....	34,185	26,669	23,825
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	8,071	6,603	4,443
<b>Meat meal, meat and bone meal, and dry rendered tankage</b>			
Production.....	524,539	435,975	440,702
Stocks on hand end of month.....	71,761	54,956	59,674
<b>Other grease</b>			
Production.....	28,496	18,854	21,753
Removed for inedible use in processing.....	27,795	16,685	20,876
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Poultry fats</b>			
Production.....	222,197	186,316	203,518
Removed for inedible use in processing.....	222,031	183,375	209,432
Stocks on hand end of month.....	41,186	39,499	33,436
<b>Poultry by-product meals</b>			
Production.....	400,983	332,150	353,535
Stocks on hand end of month.....	94,491	106,117	106,831
<b>Tallow, edible</b>			
Production.....	98,797	75,180	80,482
Removed for use in processing.....	99,768	79,754	83,440
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	10,817	15,598	14,349
<b>Tallow, inedible</b>			
Production.....	320,372	322,944	319,430
Removed for inedible use in processing.....	316,371	317,571	323,709
Stocks on hand end of month.....	(D)	75,096	70,818
<b>Tallow, technical</b>			
Production.....	123,585	131,279	134,648
Removed for inedible use in processing.....	124,908	125,090	136,818
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Yellow grease</b>			
Production.....	144,949	(D)	(D)
Removed for inedible use in processing.....	126,096	(D)	(D)
Stocks on hand end of month.....	116,513	(D)	(D)

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

## 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 Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to [nass@usda.gov](mailto:nass@usda.gov).

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For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: [nass@usda.gov](mailto:nass@usda.gov).

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