



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

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## Highlights

**September 2024** contained 30 days.

**October 2024** contained 31 days.

**Soybeans crushed** for crude oil was 6.47 million tons (216 million bushels) in October 2024, compared with 5.60 million tons (187 million bushels) in September 2024 and 6.04 million tons (201 million bushels) in October 2023. Crude oil produced was 2.57 billion pounds, up 16 percent from September 2024 and up 8 percent from October 2023. Soybean once refined oil production at 1.91 billion pounds during October 2024 increased 9 percent from September 2024 and increased 4 percent from October 2023.

**Canola seeds crushed** for crude oil was 218,185 tons in October 2024, compared with 204,907 tons in September 2024 and 202,333 tons in October 2023. Canola crude oil produced was 171 million pounds, up 6 percent from September 2024 and up 6 percent from October 2023. Canola once refined oil production, at 182 million pounds during October 2024, was up 7 percent from September 2024 and up 8 percent from October 2023.

**Cottonseed once refined** oil production, at 38.7 million pounds during October 2024, was up 54 percent from September 2024 and up 11 percent from October 2023.

**Edible tallow** production was 74.8 million pounds during October 2024, down 34 percent from September 2024 and down 2 percent from October 2023. Inedible tallow production was 320 million pounds during October 2024, down 4 percent from September 2024 but up 1 percent from October 2023. Technical tallow production was 131 million pounds during October 2024, up 6 percent from September 2024 and up 21 percent from October 2023. Choice white grease production, at 93.7 million pounds during October 2024, decreased 2 percent from September 2024 and decreased 10 percent from October 2023.

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

Item	October 2023	September 2024	October 2024
<b>Crush</b>			
Soybeans crushed..... tons	6,041,685	5,595,095	6,473,504
Crude oil produced.....1,000 pounds	2,375,654	2,221,349	2,569,453
Cake and meal produced..... tons	4,442,466	4,092,457	4,771,514
For animal feed..... tons	4,393,671	4,024,677	4,702,505
For edible protein products..... tons	48,795	67,780	69,009
Millfeed produced..... tons	296,017	276,426	317,235
<b>Refine</b>			
Crude oil processed in refining.....1,000 pounds	1,869,391	1,805,653	1,955,277
Once refined oil produced.....1,000 pounds	1,833,531	1,760,859	1,911,694
<b>Consumption</b>			
Crude oil removed for inedible use in processing.....1,000 pounds	(D)	189,688	201,928
Once refined oil removed for use in processing.....1,000 pounds	1,831,556	1,773,218	1,894,284
Removed for edible use in processing.....1,000 pounds	1,269,573	1,265,943	1,329,143
Removed for inedible use in processing.....1,000 pounds	561,983	507,275	565,141
<b>Stocks</b>			
Cake and meal on hand end of month..... tons	291,071	413,414	303,430
Millfeed on hand end of month..... tons	43,568	39,876	37,780
Crude oil on hand end of month.....1,000 pounds	1,088,612	1,070,102	1,036,135
Crusher.....1,000 pounds	660,533	697,580	698,752
Refiner.....1,000 pounds	183,999	139,965	(D)
Offsite.....1,000 pounds	244,080	232,557	(D)
Once refined oil on hand end of month.....1,000 pounds	412,988	430,756	449,436

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

## Soybean Crushing – Regional: October 2024 with Comparisons

Region	Soybeans crushed		
	October 2023	September 2024	October 2024
	(tons)	(tons)	(tons)
Illinois .....	652,816	509,422	660,727
Iowa.....	1,319,303	1,371,906	1,382,798
North and East <sup>1</sup> .....	1,378,347	1,333,691	1,466,606
North Central <sup>2</sup> .....	1,001,749	1,020,638	1,203,817
South, West and Pacific <sup>3</sup> .....	710,948	592,320	669,127
West Central <sup>4</sup> .....	978,522	767,118	1,090,429
Region	Crude oil produced		
	October 2023	September 2024	October 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	262,865	207,854	265,470
Iowa.....	525,971	540,712	547,965
North and East <sup>1</sup> .....	536,926	522,920	567,023
North Central <sup>2</sup> .....	386,163	398,953	463,875
South, West and Pacific <sup>3</sup> .....	277,776	230,509	261,885
West Central <sup>4</sup> .....	385,953	320,401	463,235
Region	Crude oil stocks at crusher		
	October 2023	September 2024	October 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	76,208	88,614	95,176
Iowa.....	70,759	100,610	100,658
North and East <sup>1</sup> .....	188,327	214,911	215,236
North Central <sup>2</sup> .....	142,513	121,939	103,818
South, West and Pacific <sup>3</sup> .....	48,731	61,440	58,762
West Central <sup>4</sup> .....	133,995	110,066	125,102
Region	Cake and meal produced		
	October 2023	September 2024	October 2024
	(tons)	(tons)	(tons)
Illinois .....	474,313	368,209	484,238
Iowa.....	977,399	1,004,917	1,035,951
North and East <sup>1</sup> .....	1,007,371	958,676	1,056,440
North Central <sup>2</sup> .....	741,309	756,911	900,415
South, West and Pacific <sup>3</sup> .....	517,400	436,789	478,565
West Central <sup>4</sup> .....	724,674	566,955	815,905
Region	Cake and meal stocks		
	October 2023	September 2024	October 2024
	(tons)	(tons)	(tons)
Illinois .....	32,292	55,048	26,560
Iowa.....	61,372	70,722	60,703
North and East <sup>1</sup> .....	69,448	76,990	76,521
North Central <sup>2</sup> .....	60,419	74,670	56,913
South, West and Pacific <sup>3</sup> .....	27,207	60,867	39,051
West Central <sup>4</sup> .....	40,333	75,117	43,682

<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: October 2024  
with Comparisons**

Item	October 2023	September 2024	October 2024
<b>Canola</b>			
Crush			
Seeds crushed..... tons	202,333	204,907	218,185
Crude oil produced..... 1,000 pounds	162,186	161,451	171,288
Cake and meal produced..... tons	117,990	118,259	127,369
Refine			
Crude oil processed in refining..... 1,000 pounds	173,490	175,175	186,525
Once refined oil produced..... 1,000 pounds	167,836	169,864	181,685
Consumption			
Crude oil removed for inedible use in processing..... 1,000 pounds	(D)	10,745	(D)
Once refined oil removed for use in processing..... 1,000 pounds	177,207	178,620	172,915
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)	33,742	30,684
Crude oil on hand end of month..... 1,000 pounds	57,856	32,205	27,056
Once refined oil on hand end of month..... 1,000 pounds	96,388	88,879	96,375
<b>Cottonseed</b>			
Crush			
Seeds crushed..... tons	140,441	80,552	110,813
Crude oil produced..... 1,000 pounds	38,286	21,926	27,809
Cake and meal produced..... tons	58,103	33,955	50,395
Refine			
Crude oil processed in refining..... 1,000 pounds	35,925	25,889	39,776
Once refined oil produced..... 1,000 pounds	34,958	25,163	38,665
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	28,795	32,182	36,580
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	31,781	34,509	31,166
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	29,184	27,493	31,161
<b>Coconut</b>			
Refine			
Crude oil processed in refining..... 1,000 pounds	29,783	36,936	33,933
Once refined oil produced..... 1,000 pounds	29,512	36,738	33,566
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	42,142	51,112	49,782
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	61,736	77,196	137,197
Once refined oil on hand end of month..... 1,000 pounds	(D)	73,211	78,795
<b>Corn</b>			
Crush			
Crude oil produced..... 1,000 pounds	133,008	147,762	133,780
Refine			
Crude oil processed in refining..... 1,000 pounds	151,756	146,148	133,146
Once refined oil produced..... 1,000 pounds	147,612	141,136	129,616
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	120,324	136,896	125,700
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	81,204	78,673
Once refined oil on hand end of month..... 1,000 pounds	68,502	67,135	50,958

See footnote(s) at end of table.

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

Item	October 2023	September 2024	October 2024
<b>Palm kernel</b>			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	45,342	40,299	42,081
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	60,917	83,464	86,010
<b>Palm</b>			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	231,358	188,483	201,201
Removed for edible use in processing ..... 1,000 pounds	227,486	182,559	195,011
Removed for inedible use in processing..... 1,000 pounds	3,872	5,924	6,190
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	328,151	255,473	301,254
<b>Peanut</b>			
Refine			
Crude oil processed in refining..... 1,000 pounds	34,322	29,448	42,375
Once refined oil produced..... 1,000 pounds	32,248	28,211	40,153
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	31,075	31,968	38,189
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	19,530	12,471	7,886
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	5,599	6,530	5,418
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	8,386	3,891	3,459
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	45,180	44,575	36,222
Once refined oil produced..... 1,000 pounds	43,267	43,256	33,783
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	30,316	(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	42,003	23,952	18,234
Once refined oil on hand end of month..... 1,000 pounds	48,671	34,023	31,790

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

## Animal Fats and Oils Production, Consumption and Stocks – United States: October 2024 with Comparisons

Item	October 2023 (1,000 pounds)	September 2024 (1,000 pounds)	October 2024 (1,000 pounds)
<b>Choice white grease</b>			
Production.....	104,509	95,907	93,742
Removed for inedible use.....	104,022	95,788	91,988
Stocks on hand end of month.....	5,700	9,095	10,816
<b>Feather meal</b>			
Production.....	77,966	87,291	87,946
Stocks on hand end of month.....	17,083	19,437	18,859
<b>Lard</b>			
Production.....	27,205	26,280	21,030
Removed for use in processing.....	25,124	28,661	26,669
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	9,837	12,241	6,603
<b>Meat meal, meat and bone meal, and dry rendered tankage</b>			
Production.....	474,864	451,653	432,179
Stocks on hand end of month.....	61,202	62,426	55,592
<b>Other grease</b>			
Production.....	23,128	19,694	18,854
Removed for inedible use in processing.....	27,414	19,249	16,685
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Poultry fats</b>			
Production.....	194,647	194,226	186,434
Removed for inedible use in processing.....	183,191	195,852	183,296
Stocks on hand end of month.....	41,020	36,546	39,696
<b>Poultry by-product meals</b>			
Production.....	319,993	347,625	332,561
Stocks on hand end of month.....	111,022	123,959	106,482
<b>Tallow, edible</b>			
Production.....	75,970	112,522	74,783
Removed for use in processing.....	74,793	102,309	79,635
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	11,658	21,584	(D)
<b>Tallow, inedible</b>			
Production.....	317,689	333,825	319,593
Removed for inedible use in processing.....	310,114	342,062	313,349
Stocks on hand end of month.....	(D)	69,723	75,967
<b>Tallow, technical</b>			
Production.....	108,656	124,006	131,279
Removed for inedible use in processing.....	104,924	124,853	125,090
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Yellow grease</b>			
Production.....	157,476	(D)	(D)
Removed for inedible use in processing.....	159,586	(D)	(D)
Stocks on hand end of month.....	97,659	(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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