



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

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Highlights

July 2020 contained 31 days.

August 2020 contained 31 days.

Soybeans crushed for crude oil was 5.24 million tons (175 million bushels) in August 2020, compared with 5.54 million tons (185 million bushels) in July 2020 and 5.33 million tons (178 million bushels) in August 2019. Crude oil produced was 2.01 billion pounds down 5 percent from July 2020 and down 2 percent from August 2019. Soybean once refined oil production at 1.55 billion pounds during August 2020 decreased 2 percent from July 2020 but increased 2 percent from August 2019.

Canola seeds crushed for crude oil was 202,547 tons in August 2020, compared with 202,711 tons in July 2020 and 156,132 tons in August 2019. Canola crude oil produced was 171 million pounds, down 1 percent from July 2020 but up 36 percent from August 2019. Canola once refined oil production, at 116 million pounds during August 2020, was down 28 percent from July 2020 but up 60 percent from August 2019.

Cottonseed once refined oil production, at 38.5 million pounds during August 2020, was up 3 percent from July 2020 but down 3 percent from August 2019.

Edible tallow production was 91.3 million pounds during August 2020, up 14 percent from July 2020 and up 5 percent from August 2019. Inedible tallow production was 326 million pounds during August 2020, up 11 percent from July 2020 and up 4 percent from August 2019. Technical tallow production was 133 million pounds during August 2020, up 15 percent from July 2020 and up 12 percent from August 2019. Choice white grease production, at 105 million pounds during August 2020, increased 6 percent from July 2020 but decreased 2 percent from August 2019.

**Soybean Crushing, Production, Consumption and Stocks – United States: August 2020
with Comparisons**

| Item | August 2019 | July 2020 | August 2020 |
|---|-------------|-----------|-------------|
| Crush | | | |
| Soybeans crushed..... tons | 5,325,880 | 5,535,196 | 5,240,234 |
| Crude oil produced1,000 pounds | 2,049,888 | 2,123,237 | 2,012,699 |
| Cake and meal produced tons | 3,880,500 | 4,080,746 | 3,852,687 |
| For animal feed..... tons | 3,831,182 | 4,024,727 | 3,805,825 |
| For edible protein products tons | 49,318 | 56,019 | 46,862 |
| Millfeed produced tons | 270,264 | 280,424 | 259,691 |
| Refine | | | |
| Crude oil processed in refining1,000 pounds | 1,559,724 | 1,626,856 | 1,586,189 |
| Once refined oil produced1,000 pounds | 1,516,647 | 1,582,565 | 1,545,720 |
| Consumption | | | |
| Crude oil removed for inedible use in processing.....1,000 pounds | 90,068 | 116,577 | 93,471 |
| Once refined oil removed for use in processing1,000 pounds | 1,569,905 | 1,682,932 | 1,601,211 |
| Removed for edible use in processing1,000 pounds | 1,142,855 | 1,214,538 | 1,160,093 |
| Removed for inedible use in processing1,000 pounds | 427,050 | 468,394 | 441,118 |
| Stocks | | | |
| Cake and meal on hand end of month tons | 384,976 | 411,925 | 388,926 |
| Millfeed on hand end of month tons | 48,338 | 38,595 | 32,721 |
| Crude oil on hand end of month1,000 pounds | 1,439,479 | 1,776,314 | 1,593,419 |
| Crusher.....1,000 pounds | 731,432 | 729,228 | 673,593 |
| Refiner.....1,000 pounds | 420,795 | 380,940 | 327,158 |
| Offsite.....1,000 pounds | 287,252 | 666,146 | 592,668 |
| Once refined oil on hand end of month1,000 pounds | 366,668 | 346,764 | 364,767 |

Soybean Crushing – Regional: August 2020 with Comparisons

| Region | Soybeans crushed | | |
|--|-----------------------------|----------------|----------------|
| | August 2019 | July 2020 | August 2020 |
| | (tons) | (tons) | (tons) |
| Illinois | 679,235 | 684,439 | 683,793 |
| Iowa | 1,014,706 | 1,109,862 | 1,100,944 |
| North and East ¹ | 1,237,662 | 1,218,596 | 1,136,320 |
| North Central ² | 829,756 | 865,768 | 850,287 |
| South, West and Pacific ³ | 656,385 | 676,389 | 528,476 |
| West Central ⁴ | 908,136 | 980,142 | 940,414 |
| Region | Crude oil produced | | |
| | August 2019 | July 2020 | August 2020 |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| Illinois | 270,644 | 269,860 | 270,562 |
| Iowa | 392,396 | 418,535 | 420,085 |
| North and East ¹ | 470,079 | 467,559 | 446,338 |
| North Central ² | 306,382 | 316,057 | 311,609 |
| South, West and Pacific ³ | 255,954 | 267,536 | 202,368 |
| West Central ⁴ | 354,433 | 383,690 | 361,737 |
| Region | Crude oil stocks at crusher | | |
| | August 2019 | July 2020 | August 2020 |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| Illinois | (D) | 135,051 | 111,723 |
| Iowa | 92,479 | 112,281 | 102,529 |
| North and East ¹ | 167,717 | 164,513 | 151,241 |
| North Central ² | 199,738 | 198,511 | 185,265 |
| South, West and Pacific ³ | 49,456 | 46,092 | 40,970 |
| West Central ⁴ | (D) | 72,780 | 81,865 |
| Region | Cake and meal produced | | |
| | August 2019 | July 2020 | August 2020 |
| | (tons) | (tons) | (tons) |
| Illinois | 491,362 | 493,129 | 494,121 |
| Iowa | 740,469 | 809,592 | 808,546 |
| North and East ¹ | 900,203 | 913,112 | 843,230 |
| North Central ² | 613,310 | 640,954 | 629,626 |
| South, West and Pacific ³ | 473,265 | 503,026 | 382,736 |
| West Central ⁴ | 661,891 | 720,933 | 694,428 |
| Region | Cake and meal stocks | | |
| | August 2019 | July 2020 | August 2020 |
| | (tons) | (tons) | (tons) |
| Illinois | 82,619 | 59,768 | 79,781 |
| Iowa | 43,254 | 49,142 | 56,515 |
| North and East ¹ | 126,443 | 117,219 | 86,188 |
| North Central ² | 29,698 | 66,782 | 74,142 |
| South, West and Pacific ³ | 52,002 | 78,073 | 34,550 |
| West Central ⁴ | 50,960 | 40,941 | 57,750 |

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

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, Mississippi, North Carolina and South Carolina.

⁴ West Central includes Kansas, Missouri and Nebraska.

**Selected Oilseed Crushing, Production, Consumption and Stocks – United States: August 2020
with Comparisons**

| Item | August 2019 | July 2020 | August 2020 |
|--|-------------|-----------|-------------|
| Canola | | | |
| Crush | | | |
| Seeds crushed..... tons | 156,132 | 202,711 | 202,547 |
| Crude oil produced1,000 pounds | 126,475 | 173,234 | 171,497 |
| Cake and meal produced..... tons | 85,658 | 114,531 | 115,888 |
| Refine | | | |
| Crude oil processed in refining1,000 pounds | 75,839 | 167,671 | 121,354 |
| Once refined oil produced.....1,000 pounds | 72,802 | 160,555 | 116,237 |
| Consumption | | | |
| Crude oil removed for inedible use in processing1,000 pounds | (D) | (D) | (D) |
| Once refined oil removed for use in processing1,000 pounds | 114,735 | 158,221 | 149,744 |
| 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) | 58,011 | 17,177 |
| Crude oil on hand end of month1,000 pounds | 70,350 | 39,108 | 60,789 |
| Once refined oil on hand end of month1,000 pounds | 89,807 | 88,364 | 97,833 |
| Cottonseed | | | |
| Crush | | | |
| Seeds crushed..... tons | 132,991 | 115,562 | 138,562 |
| Crude oil produced1,000 pounds | 34,377 | 29,158 | 38,257 |
| Cake and meal produced..... tons | 51,699 | 47,302 | 61,290 |
| Refine | | | |
| Crude oil processed in refining1,000 pounds | 40,849 | 38,589 | 39,735 |
| Once refined oil produced.....1,000 pounds | 39,573 | 37,205 | 38,505 |
| Consumption | | | |
| Crude oil removed for inedible use in processing1,000 pounds | (D) | (D) | (D) |
| Once refined oil removed for use in processing1,000 pounds | 44,740 | 47,834 | 49,019 |
| 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 | 40,074 | 19,270 | 26,431 |
| Crude oil on hand end of month1,000 pounds | (D) | (D) | 14,341 |
| Once refined oil on hand end of month1,000 pounds | 18,203 | 34,998 | 29,290 |
| Coconut | | | |
| Refine | | | |
| Crude oil processed in refining1,000 pounds | (D) | (D) | (D) |
| Once refined oil produced.....1,000 pounds | (D) | (D) | (D) |
| Consumption | | | |
| Crude oil removed for inedible use in processing1,000 pounds | (D) | (D) | (D) |
| Once refined oil removed for use in processing1,000 pounds | 80,690 | 69,999 | 56,699 |
| 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 month1,000 pounds | (D) | 78,320 | 70,659 |
| Once refined oil on hand end of month1,000 pounds | 85,341 | (D) | (D) |
| Corn | | | |
| Crush | | | |
| Crude oil produced1,000 pounds | 175,563 | 165,848 | 163,964 |
| Refine | | | |
| Crude oil processed in refining1,000 pounds | 183,536 | 164,226 | 153,795 |
| Once refined oil produced.....1,000 pounds | 178,099 | 158,822 | 148,511 |
| Consumption | | | |
| Crude oil removed for inedible use in processing1,000 pounds | (D) | (D) | (D) |
| Once refined oil removed for use in processing1,000 pounds | 178,049 | 155,147 | 147,954 |
| 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 month1,000 pounds | 32,306 | 22,285 | 52,995 |
| Once refined oil on hand end of month1,000 pounds | 49,527 | 35,720 | 36,011 |

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: August 2020 with Comparisons (continued)

| Item | August 2019 | July 2020 | August 2020 |
|--|-------------|-----------|-------------|
| Palm kernel | | | |
| Consumption | | | |
| Once refined oil removed for use in processing..... 1,000 pounds | 17,747 | 44,705 | 37,943 |
| 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 | 75,589 | 72,568 | 81,265 |
| Palm | | | |
| Consumption | | | |
| Once refined oil removed for use in processing..... 1,000 pounds | 195,158 | 237,835 | 245,568 |
| Removed for edible use in processing 1,000 pounds | 185,091 | 234,175 | 238,854 |
| Removed for inedible use in processing..... 1,000 pounds | 10,067 | 3,660 | 6,714 |
| Stocks | | | |
| Once refined oil on hand end of month..... 1,000 pounds | 338,324 | 412,098 | 401,547 |
| Peanut | | | |
| Refine | | | |
| Crude oil processed in refining..... 1,000 pounds | 33,112 | 28,688 | 28,411 |
| Once refined oil produced..... 1,000 pounds | 31,783 | 27,450 | 26,412 |
| 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 | 32,079 | 29,660 | 27,347 |
| 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 | 22,955 | 11,766 | (D) |
| Once refined oil on hand end of month..... 1,000 pounds | (D) | (D) | (D) |
| Safflower | | | |
| Refine | | | |
| Crude oil processed in refining..... 1,000 pounds | 2,819 | 4,911 | 5,292 |
| Once refined oil produced..... 1,000 pounds | 2,819 | 5,125 | 5,183 |
| 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 | 4,971 | 6,303 | 4,074 |
| 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 | 9,391 | (D) | (D) |
| Once refined oil on hand end of month..... 1,000 pounds | (D) | (D) | (D) |
| Sunflower | | | |
| Refine | | | |
| Crude oil processed in refining..... 1,000 pounds | 42,341 | 35,447 | 28,634 |
| Once refined oil produced..... 1,000 pounds | 39,898 | 31,641 | 27,788 |
| 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 | 42,714 | 28,514 | 32,085 |
| 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 | 32,010 | 42,240 | 35,766 |
| Once refined oil on hand end of month..... 1,000 pounds | 25,967 | 17,718 | 12,306 |
| Vegetable foots, raw and acidulated | | | |
| Refine | | | |
| Oil produced..... 1,000 pounds | (D) | (D) | (D) |
| Consumption | | | |
| Oil removed for inedible use in processing..... 1,000 pounds | (D) | (D) | (D) |
| Stocks | | | |
| Oil on hand end of month..... 1,000 pounds | (D) | (D) | (D) |

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

**Animal Fats and Oils Production, Consumption and Stocks – United States: August 2020
with Comparisons**

| Item | August 2019 (1,000 pounds) | July 2020 (1,000 pounds) | August 2020 (1,000 pounds) |
|--|-------------------------------|-----------------------------|-------------------------------|
| Choice white grease | | | |
| Production | 107,277 | 98,436 | 104,807 |
| Removed for inedible use | 105,231 | 99,287 | 103,034 |
| Stocks on hand end of month | 6,610 | 8,328 | 10,100 |
| Feather meal | | | |
| Production | 113,157 | 92,723 | 107,198 |
| Stocks on hand end of month | 29,091 | 27,910 | 23,132 |
| Lard | | | |
| Production | 30,142 | 22,559 | 24,079 |
| Removed for use in processing | 29,593 | 21,416 | 22,554 |
| Removed for edible use in processing | (D) | (D) | (D) |
| Removed for inedible use in processing | (D) | (D) | (D) |
| Stocks on hand end of month | 18,726 | 8,205 | 10,972 |
| Meat meal, meat and bone meal, and dry rendered tankage | | | |
| Production | 519,331 | 480,455 | 472,009 |
| Stocks on hand end of month | 69,101 | 64,710 | 64,888 |
| Other grease | | | |
| Production | 43,114 | 38,728 | 41,693 |
| Removed for inedible use in processing | 39,233 | 40,477 | 39,700 |
| Stocks on hand end of month | (D) | (D) | (D) |
| Poultry fats | | | |
| Production | 233,381 | 195,113 | 225,399 |
| Removed for inedible use in processing | 229,882 | 199,741 | 221,576 |
| Stocks on hand end of month | 30,156 | 31,553 | 35,376 |
| Poultry by-product meals | | | |
| Production | 293,603 | 270,253 | 307,523 |
| Stocks on hand end of month | 39,936 | 42,485 | 50,020 |
| Tallow, edible | | | |
| Production | 87,170 | 80,418 | 91,330 |
| Removed for use in processing | 95,539 | 81,479 | 78,992 |
| Removed for edible use in processing | (D) | (D) | (D) |
| Removed for inedible use in processing | (D) | (D) | (D) |
| Stocks on hand end of month | 16,329 | (D) | (D) |
| Tallow, inedible | | | |
| Production | 314,554 | 294,802 | 326,135 |
| Removed for inedible use in processing | 315,257 | 297,124 | 326,824 |
| Stocks on hand end of month | 89,548 | 95,891 | 95,446 |
| Tallow, technical | | | |
| Production | 118,603 | 115,434 | 132,955 |
| Removed for inedible use in processing | 129,950 | 114,566 | 134,788 |
| Stocks on hand end of month | (D) | (D) | (D) |
| Yellow grease | | | |
| Production | 185,547 | 179,650 | 171,814 |
| Removed for inedible use in processing | 178,051 | 176,690 | 159,725 |
| Stocks on hand end of month | 94,497 | 78,611 | 90,663 |

(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

| | |
|--|----------------|
| Lance Honig, Chief, Crops Branch..... | (202) 720-2127 |
| Chris Hawthorn, Head, Field Crops Section | (202) 720-2127 |
| Irwin Anolik – Crop Weather | (202) 720-7621 |
| Joshua Bates – Oats, Soybeans | (202) 690-3234 |
| David Colwell – Current Agricultural Industrial Reports..... | (202) 720-8800 |
| Chris Hawthorn – Cotton, Cotton Ginnings, Sorghum..... | (202) 720-2127 |
| James Johanson – Barley, County Estimates, Hay | (202) 690-8533 |
| Greg Lemmons – Corn, Flaxseed, Proso Millet | (202) 720-9526 |
| Jean Porter – Rye, Wheat | (202) 720-8068 |
| John Stephens – Peanuts, Rice..... | (202) 720-7688 |
| Travis Thorson – Sunflower, Other Oilseeds | (202) 720-7369 |

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- Cornell’s Mann Library has launched a new website housing NASS’s and other agencies archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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.

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