

Fat and Oil Data for First Quarter 1931

Production, Consumption, Exports and Imports with Factory and Warehouse Stocks March 31, 1931

WASHINGTON, D. C., May 6, 1931.—The Department of Commerce announces that the factory production of fats and oils (exclusive of refined oil and derivatives) during the three-month period ended March 31, 1931, was as follows: vegetable oils, 675,868,188 pounds; fish oils, 11,586,728 pounds; animal fats, 618,458,848 pounds; and greases, 95,948,191 pounds; a total of 1,401,861,955 pounds. Of the several kinds of fats and oils covered by this inquiry, the greatest production, 488,868,745 pounds appears for lard. Next in order is cottonseed oil with 395,406,614 pounds; tallow with 128,367,352 pounds; linseed oil with 118,417,218 pounds; coconut oil with 91,445,505 pounds, and corn

oil with 28,652,287 pounds, follow in order.

The production of refined oils during the period was as follows: Cottonseed, 396,855,042 pounds; coconut, 66,268,268 pounds; peanut, 4,089,847 pounds; corn, 26,129,525 pounds; soya-bean, 2,108,114 pounds; and palm-kernel, 5,542,826 pounds. The quantity of crude oil used in the production of each of these refined oils is included in the figures of crude consumed.

The data for the factory production, factory consumption, imports, exports and factory and warehouse stocks of fats and oils and for the raw materials used in the production of vegetable oils for the three-month period appear in the following statement:

PRODUCTION, CONSUMPTION, AND STOCKS OF FATS AND OILS

(In some cases, where products were made by a continuous process, the intermediate products were not reported.)

| KIND VEGETABLE OILS: ¹ | Factory operations for the quarter ended March 31, 1931 | | Factory and Warehouse stocks March 31, 1931 |
|--|--|-------------------------|---|
| | Production (pounds) | Consumption (pounds) | (pounds) |
| Cottonseed, crude | 395,406,614 | 436,875,300 | 69,878,003 |
| Cottonseed, refined | 395,855,042 | 276,905,542 | 494,503,313 |
| Peanut, virgin and crude | 5,214,362 | 4,806,717 | 881,779 |
| Peanut, refined | 4,089,847 | 3,072,400 | 5,694,432 |
| Coconut, or copra, crude | 91,445,505 | 138,254,541 | 201,932,237 |
| Coconut, or copra, refined | 66,268,268 | 75,479,461 | 16,868,934 |
| Corn, crude | 28,652,287 | 30,407,253 | 8,119,460 |
| Corn, refined | 26,129,525 | 8,898,894 | 9,632,897 |
| Soya-bean, crude | 9,086,115 | 4,528,575 | 16,653,981 |
| Soya-bean, refined | 2,108,114 | 2,138,775 | 3,427,713 |
| Olive, edible | 1,509,164 | 204,597 | 6,045,045 |
| Olive, inedible | 5,250 | 1,830,746 | 1,446,034 |
| Sulphur oil, or olive foots | — | 10,088,579 | 21,270,221 |
| Palm-kernel, crude | 1,885,585 | 13,536,889 | 15,251,064 |
| Palm-kernel, refined | 5,542,826 | 6,022,736 | 1,539,048 |
| Rapeseed | — | 2,389,819 | 5,309,782 |
| Linseed | 118,417,218 | 74,091,829 | 113,191,578 |
| Chinese wood or tung | — | 22,765,025 | 45,432,947 |
| Chinese vegetable tallow | — | 2,798,742 | 2,591,022 |
| Castor | 12,212,958 | 4,489,677 | 6,633,863 |
| Palm | — | 74,432,367 | 84,837,129 |
| Sesame | 11,462,770 | 8,122,042 | 6,334,858 |
| All other | 570,360 | 957,879 | 5,002,525 |
| FISH OILS: ¹ | | | |
| Cod and cod-liver | 120,698 | 3,772,539 | 9,018,911 |
| Menhaden | — | 4,383,823 | 6,696,295 |
| Whale | — | 16,404,587 | 85,295,030 |
| Herring, including sardine | 11,295,690 | 17,087,485 | 103,790,633 |
| Sperm | — | 268,838 | 3,102,536 |
| All other, (including marine animal) | 170,340 | 2,702,568 | 7,501,902 |

¹ The data of oils produced, consumed, and on hand by fish oil producers and fish canners were collected by the Bureau of Fisheries.

PRODUCTION, CONSUMPTION, AND STOCKS OF FATS AND OILS (Continued)

| KIND | Factory operations for the quarter ended March 31, 1931 | | Factory and Ware'se stocks March 31, 1931 (pounds) |
|---|--|-------------------------|---|
| | Production (pounds) | Consumption (pounds) | |
| ANIMAL FATS: | | | |
| Lard, neutral | 7,014,297 | 2,192,168 | 3,005,239 |
| Lard, other edible | 481,854,448 | 3,389,432 | 70,338,642 |
| Tallow, edible | 12,467,939 | 12,153,934 | 4,698,792 |
| Tallow, inedible | 115,899,413 | 135,680,930 | 145,040,349 |
| Neat's-foot oil | 1,222,751 | 1,534,047 | 1,315,239 |
| GREASES: | | | |
| White | 20,754,536 | 11,516,130 | 10,743,906 |
| Yellow | 22,269,093 | 10,582,558 | 12,484,972 |
| Brown | 12,039,206 | 12,436,278 | 11,087,963 |
| Bone | 5,596,256 | 96,973 | 4,067,886 |
| Tankage | 11,888,511 | 82,055 | 6,136,884 |
| Garbage or house | 17,939,997 | 16,103,251 | 23,500,943 |
| Wool | 2,069,359 | 1,012,301 | 3,669,472 |
| Recovered | 727,393 | 428,306 | 4,195,808 |
| All other | 2,663,840 | 1,088,525 | 3,124,339 |
| OTHER PRODUCTS: | | | |
| Lard compounds and other lard substitutes | 291,385,942 | 349,427 | 26,081,027 |
| Hydrogenated oils | 149,582,329 | 137,823,169 | 21,902,476 |
| Stearin, vegetable | 3,228,562 | 3,913,704 | 1,867,022 |
| Stearin, animal, edible | 11,616,249 | 8,535,900 | 3,253,716 |
| Stearin, animal, inedible | 3,864,363 | 3,964,691 | 7,579,068 |
| Oleo oil | 22,053,196 | 8,487,492 | 14,004,300 |
| Lard oil | 6,493,082 | 2,732,814 | 4,315,032 |
| Tallow oil | 2,041,457 | 1,763,803 | 1,983,673 |
| Fatty acids | 31,090,974 | 32,866,048 | 10,380,620 |
| Fatty acids, distilled | 10,347,506 | 10,204,244 | 5,414,458 |
| Red oil | 9,139,631 | 6,345,562 | 5,171,197 |
| Stearic acid | 6,326,064 | 1,826,119 | 4,804,290 |
| Glycerin, crude 80% basis | 35,187,818 | 36,311,437 | 13,561,891 |
| Glycerin, dynamite | 10,351,595 | 4,257,766 | 11,878,350 |
| Glycerin, chemically pure | 18,306,203 | 2,327,315 | 9,027,575 |
| Cottonseed foots, 50% basis | 68,284,251 | 52,373,101 | 85,635,468 |
| Cottonseed foots, distilled | 20,861,139 | 20,340,228 | 7,435,843 |
| Other vegetable oil foots | 12,572,077 | 12,647,994 | 2,926,687 |
| Other vegetable oil foots, distilled | 495,419 | 723,498 | 1,378,155 |
| Acidulated soap stock | 12,286,956 | 12,758,934 | 26,567,993 |
| Miscellaneous soap stock | 574,267 | 1,124,420 | 1,632,906 |

RAW MATERIALS USED IN THE MANUFACTURE OF VEGETABLE OILS

| KIND | Tons of 2,000 pounds | | KIND | Tons of 2,000 pounds | |
|----------------------------|----------------------------------|--------------------|--------------------|----------------------------------|--------------------|
| | Consumed Jan. 1 to Mar. 31 | On hand Mar. 31 | | Consumed Jan. 1 to Mar. 31 | On hand Mar. 31 |
| Cottonseed | 1,272,284 | 206,926 | Flaxseed | 183,980 | 65,661 |
| Peanuts, huled | 6,219 | 1,970 | Castor beans | 13,338 | 3,845 |
| Peanuts, in the hull | 2,641 | 449 | Sesame seed | 12,113 | 3,954 |
| Copra | 71,229 | 27,167 | Soya-beans | 32,315 | 34,549 |
| Coconuts and skins | 609 | 26 | Olives | 4,661 | — |
| Corn germs | 54,612 | 171 | Other kinds | 3,240 | 1,533 |

IMPORTS OF OIL SEEDS, QUARTER ENDED MARCH 31, 1931

| KIND | Tons | KIND | Tons |
|--------------------|--------|-------------------------------|--------|
| Castor beans | 5,661 | Poppy seed | 1,260 |
| Copra | 59,485 | Perilla and sesame seed | 18,003 |
| Flaxseed | 73,268 | Other oil seeds | 3,195 |

IMPORTS OF FOREIGN FATS AND OILS, QUARTER ENDED MARCH 31, 1931

| KIND | Pounds | KIND | Pounds |
|---------------------------------------|------------|----------------------------------|------------|
| Animal oils & fats, edible | 536,244 | Sulphur oil or olive foots | 6,008,644 |
| Whale oil | 51,044,310 | Other olive oil, inedible | 2,956,843 |
| Cod oil | 2,792,820 | Palm oil | 74,592,232 |
| Cod-liver oil | 3,007,305 | Palm-kernel oil | 4,862,288 |
| Other fish oils | 2,857,658 | Sesame oil | — |
| Tallow | 108,806 | Carnauba wax | 2,670,312 |
| Wool grease | 1,115,475 | Other vegetable wax | 511,114 |
| Stearic acid | 1,128,048 | Rape (colza) oil | 2,917,673 |
| Grease and oils, n.e.s. (value) | \$20,425 | Linseed oil | 91,672 |
| Olive oil, edible | 12,985,333 | Soya-bean oil | 1,453,583 |
| Peanut oil | 536,951 | Perilla oil | 2,381,843 |
| Other edible vegetable oils | 8,304,005 | Other expressed oils | 513,512 |
| Tung oil | 17,408,897 | Glycerin crude | 2,914,104 |
| Coconut oil | 96,273,974 | Glycerin, refined | 485,204 |

EXPORTS OF FOREIGN FATS AND OILS, QUARTER ENDED MARCH 31, 1931

| KIND | Pounds | KIND | Pounds |
|---|-----------|-----------------------------------|-----------|
| Animal fats & oils, edible | 1,873 | Coconut oil | 304,385 |
| Fish oils | 35,194 | Palm & palm-kernel oil | 375,853 |
| Other animal oils & fats, inedible | 9,506 | Peanut oil | 6,574,406 |
| Olive oil, edible | 26,278 | Soya-bean oil | 60,266 |
| Tung oil | 1,278,524 | Other expressed oils & fats | 1,552,279 |
| | | Vegetable wax | 183,309 |

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uct. The insecticide is made and sold exclusively by Huntington Laboratories, Inc., of Huntington, Indiana. The company supplies suitable electric sprayers for applying the insecticide. Two experts of the company have been assigned to the oil mill industry in the Southern states for the purpose of aiding millers in preserving their carry-over stocks of meal this summer.

Although one of the Commonwealths of the Union is known as the "Sunflower State," the United States imports most of its sunflower seed and most of its sunflower seed oil, according to information made available by the foodstuffs division of the Bureau of Foreign and Domestic Commerce, Department of Commerce. Practically all of the world's supply of sunflower seed, says the foodstuffs division, is grown in Russia, Ukraine and Rumania, in the vicinity of the Caspian and Black Seas, and from there finds its way to the various markets. American imports of sunflower seed during 1929, the latest year for which these figures are now available, amounted to 1,620,643 pounds, valued at \$93,559. Imports of sunflower seed oil are grouped with some other vegetable oils, so that exact figures on this product are not definitely known.

The three press cotton mill at York, S. C., heretofore known as the Yorkville Cotton Oil Co., has been purchased by John T. Stevens and Fred C. Culvern of Kershaw, and J. N. Lipscomb of Gaffney, that state. The new owners have been operating the mill during the past year under a lease.

William M. Steele, for many years the vice-president and general manager of John F. Jelke Co. of Chicago, has become general sales manager in the department of margarine and other food products for Durkee Famous Foods, a subsidiary of the Glidden Co.

Reduced flaxseed acreage this year in Argentina, India, and the United States, influenced by decreased demands for linseed oil, is indicated by recent reports of the U. S. Department of Agriculture. It is estimated that the plantings in this country are about 15 per cent off.

The Southland Cotton Oil Co. has closed down its mill at Chandler, Okla., and transferred Manager Earl Shotwell and other officials to the company's plant at Oklahoma City. The Chandler mill has five presses, and was built about 1899. It is stated as being doubtful when, if ever, it will be re-operated, but it is not being dismantled.

Higher fatty acid peroxides and peroxy compounds, such as valeryl, caproyl, capryl, lauryl, palmityl, oleyl, stearyl, and ricinoyl peroxides and peracids, suitable for bleaching, for use in pharmaceutical preparations, for synthesis, as bactericides and in dentifrices, are prepared by treating higher fatty acid chlorides with a solution of an alkali metal peroxide preferably of a concentration not over 10 per cent. Br. Pat. No. 334,531.

Fat and Oil Data

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EXPORTS OF DOMESTIC FATS AND OILS, QUARTER ENDED MARCH 31, 1931

| KIND | Pounds | KIND | Pounds |
|-----------------------------------|-------------|------------------------------------|-----------|
| Oleo oil | 12,567,487 | Cottonseed oil, crude | 5,235,180 |
| Oleo stock | 1,299,658 | Cottonseed oil, refined | 5,699,097 |
| Tallow | 1,470,934 | Coconut oil, crude | 2,613,064 |
| Lard | 196,036,872 | Coconut oil, refined | 583,233 |
| Lard, neutral | 2,767,522 | Corn oil | 301,083 |
| Lard compounds, containing | | Soya-bean oil | 953,863 |
| animal fats | 356,613 | Vegetable oil lard compounds | 1,376,252 |
| Oleo stearin | 1,521,724 | Other edible vegetable oils | |
| Neat's-foot oil | 270,125 | and fats | 418,121 |
| Other animal oils, inedible | 216,513 | Linseed oil | 317,142 |
| Fish oils | 736,362 | Other expressed oils and | |
| Grease stearin | 1,372,416 | fats, inedible | 3,540,587 |
| Oleic acid, or red oil | 188,415 | Vegetable soap stock | 6,660,020 |
| Stearic acid | 128,293 | Glycerin | 78,204 |
| Other animal greases & fats | 20,438,415 | | |