

UNITED STATES TARIFF COMMISSION

FLAXSEED, LINSEED OIL AND PEANUT OIL

Report to the President on Investigation No. 22-6 (Supplemental)  
Under Section 22 of the  
Agricultural Adjustment Act, as Amended



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REPORT TO THE PRESIDENT

United States Tariff Commission  
January 26, 1961

To the President:

On November 10, 1960, the United States Tariff Commission instituted an investigation for the purposes of section 22(d) of the Agricultural Adjustment Act, as amended (7 U.S.C. 624(d)), supplemental to its investigation No. 6 under section 22, to determine whether the fees proclaimed by the President on imports of flaxseed, linseed oil and combinations and mixtures in chief value of such oil, and peanut oil should be modified or terminated.

Notice of the institution of the supplemental investigation was given by posting a copy of the notice at the office of the Commission in Washington, D.C., and at its office in New York City, and by publication in the Federal Register (25 F.R. 10899) and in the November 17, 1960 issue of Treasury Decisions. Copies of the notice were also sent to press associations, to trade and similar organizations of producers, and to importers, known to the Commission to have an interest in the subject matter of the supplemental investigation. Said notice included a notice of the public hearing to be held in connection with the supplemental investigation, and the hearing was duly held on December 13, 1960. All interested parties were given opportunity to be present, to produce evidence, and to be heard at such hearing. In addition to the information submitted at the hearing, the Commission obtained information

pertinent to the supplemental investigation from its files, from briefs of interested parties, from the U.S. Department of Agriculture, and from other appropriate sources.

#### Finding

On the basis of the supplemental investigation, including the hearing, the Commission finds 1/ that changed circumstances require the modification, as hereinafter recommended, of Presidential Proclamation No. 3019 of June 8, 1953, as amended, in order to carry out the purposes of section 22.

#### Recommendation

The Commission recommends 1/ that the said proclamation of June 8, 1953, as amended, be further amended by deleting from List III appended to the said proclamation the provision for peanut oil and the fee provided therefor, and by changing the fee on flaxseed, and on linseed oil and combinations and mixtures in chief value of such oil, respectively, from 50 percent ad valorem to 15 percent ad valorem.

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1/ Commissioners Schreiber and Sutton did not participate in the finding and recommendation by reason of absence.

## Considerations Bearing on the Foregoing Finding and Recommendation

### Flaxseed and Linseed Oil

#### Description and uses

Flax, a field crop, is grown for both seed and fiber. Flaxes for seed purposes are distinct from flaxes for fiber. The flaxes for seed have relatively short straw and heavy yield of seed, while those for fiber have tall straw and very little seed. In the United States very little flax is grown for fiber. Almost all the flaxseed produced (except that used for seeding) is sold for extraction of oil, the seed usually yielding from 30 to 40 percent of its weight in oil. <sup>1/</sup> The remaining 60 to 70 percent becomes linseed oilcake or oilcake meal, which is used for feeding livestock. Of the U.S. consumption of linseed oil, about 80 percent is used in the manufacture of paints and varnishes, and the remainder in linoleum and felt-base floor coverings, printers' ink, and miscellaneous articles.

In the 5-year period 1956/57 to 1960/61 more than 90 percent of the domestic crop was produced in North Dakota, Minnesota, and South Dakota (see table 1, in the appendix). The remaining 10 percent was produced principally in California, Texas, and Montana.

#### Customs treatment

Flaxseed is dutiable under paragraph 762 and linseed oil under par. 53 of the Tariff Act of 1930. As originally provided for in the act, the rate of duty on flaxseed was 65 cents per bushel of 56 pounds, and that on linseed oil was  $4\frac{1}{2}$  cents per pound.

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<sup>1/</sup> One bushel of flaxseed (56 pounds) yields about 20 pounds of linseed oil in the United States.

Pursuant to a bilateral trade agreement with Argentina, effective November 15, 1941, the rate on flaxseed was reduced to  $32\frac{1}{2}$  cents per bushel, and that rate was bound in the trade agreement with Uruguay, effective January 1, 1943. The two agreements provided that the rate should increase to 50 cents per bushel 30 days after the President of the United States proclaimed that the existing abnormal situation with respect to the flaxseed trade had terminated. On May 31, 1949, the President proclaimed that the abnormal situation had terminated and on June 30, 1949, the 50-cent duty went into effect. The tariff treatment applicable to linseed oil has not been the subject of trade-agreement action and the rate has remained at  $4\frac{1}{2}$  cents a pound as it was in 1930. The duty of 50 cents a bushel on flaxseed was equal to 14 percent, and that of  $4\frac{1}{2}$  cents a pound on linseed oil was equal to about 40 percent, of the world market prices for the respective products in 1959/60.

During the period August 9, 1951, to June 30, 1953, U.S. imports of flaxseed (except imports of seed for planting) and linseed oil were embargoed under the provisions of section 104 of the Defense Production Act of 1950, as amended. On April 8, 1953, shortly before that act was to expire (June 30, 1953), the President requested an investigation by the Tariff Commission under section 22 of the Agricultural Adjustment Act (AAA), as amended, on flaxseed and linseed oil. In order to prevent imports from rendering ineffective or materially interfering with the price-support program for flaxseed undertaken by the U.S. Department of Agriculture, the Commission on June 1, 1953, recommended to the President an import fee of 50 percent ad valorem, in addition to the existing import duties, on imports both of flaxseed and of linseed oil and combinations and mixtures in chief value of such oil. The Commission recommended fees rather



than quotas because the most restrictive quotas which could be established on the seed and oil--50 percent of U.S. imports for consumption during a representative period--would not, the Commission felt, have prevented material interference with the program for flaxseed. The President, on June 8, 1953, issued a proclamation, effective June 30, 1953, putting the recommendation of the Commission into effect for an indefinite period.

#### Imports under section 22 restrictions

U.S. imports of flaxseed for crushing and of linseed oil for commercial use have been almost nil during the period (beginning July 1, 1953) in which the import fee of 50 percent ad valorem has been in effect (table 2). Virtually all of the small imports of flaxseed since July 1, 1953, have been for seed purposes and therefore not subject to the 50-percent ad valorem fee. The small imports of linseed oil appear, from their high unit value, to consist of kinds for experimental purposes.

Canada and Argentina are the principal potential sources of U.S. imports of both flaxseed and linseed oil. Since 1954 Canada has supplied nearly all the imports of flaxseed, and the United Kingdom, Denmark, West Germany, and Belgium nearly all the imports of linseed oil (table 3).

#### Operations under the price-support programs

A price-support program is maintained for flaxseed, but there is no program as such for linseed oil. In effect, however, the price of linseed oil is supported by the price-support operations on the flaxseed from which it is extracted.

The provisions of the price-support programs for the 1959 and 1960 crops follow closely those of the programs for previous flaxseed crops, with respect to nonrecourse loans, purchase agreements, and so forth. These provisions are carried out through the facilities of the Commodity Credit Corporation (CCC) and the Commodity Stabilization Service of the U.S. Department of Agriculture. 1/

The level of the farm price support on flaxseed was reduced from an average of \$3.78 per bushel (of 56 pounds), or 80 percent of parity, in 1952/53 and 1953/54 to \$2.38, or 60 percent of parity, in 1959/60. For the 1960/61 crop the average support price was continued at \$2.38, which was equivalent to 62 percent of parity (table 4). The average support price in one producing State will vary from that in another because of differences in the average cost of transportation to the market.

From 1952/53 to 1958/59 a substantial proportion of the annual production, ranging from 17 percent to 50 percent, was placed under price support. In 1959/60, however, when the average farm price was 62 cents above the support price, the proportion placed under price support was negligible (table 4). The quantity of the 1960 crop placed under price support as of October 31, 1960, amounted to 1,542,000 bushels. This amount, although greater than that in the previous year, still represented only a small part of the crop.

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1/ In Texas, supports are effected by direct purchases in designated counties of that State. In Arizona and California, loans and purchase agreements are made available from the time of harvest through Oct. 31, and, in all other States, from the time of harvest through Jan. 31. In Arizona and California, nonrecourse loans mature on demand but not later than Jan. 31 (following harvest), and, in all other States, not later than Mar. 31 (following harvest). Recourse loans mature 12 months after the applicable final price-support availability date. Intention to deliver under purchase agreement must be filed in the month prior to the applicable maturity date of loans in the State.

In past years, when a substantial proportion of the production was placed under price support, stocks owned by the CCC at the yearend were large. In 1956/57 these stocks amounted to 28 percent of production, and in 1958/59 they amounted to 19 percent. The stocks which remained in the hands of the CCC at the end of the 1959/60 season, however, amounted to only 0.3 percent of production.

During the period 1950/51 to 1959/60, total losses on the price-support operations by CCC amounted to \$166.3 million, of which \$64.2 million resulted from sales of flaxseed and \$102.1 million from the sales of linseed oil (table 5). The losses have fluctuated widely from year to year; the greatest loss (\$57.5 million) occurred in 1950/51 and the smallest loss (\$1.3 million) in 1959/60.

#### Prices

The average market price of No. 1 flaxseed at Minneapolis declined from \$4.09 a bushel in 1952/53 to \$3.02 in 1958/59, and although it increased to \$3.85 in November 1959, it declined to \$2.76 in November 1960 (table 6). From 1951/52 through 1958/59 the decline in the market price of flaxseed generally paralleled the reduction in the support price. In 1959/60, however, the market price became for the first time since 1951/52 substantially in excess of the support price; it remained somewhat in excess of the support price through August, 1960, and was slightly in excess in November 1960.

During the current marketing year, the national average farm price dropped from \$2.80 per bushel in August 1960 to \$2.40 per bushel in November. The November price was only 2 cents per bushel above the national average support rate, and in one of the producing States (Montana) the November farm price was 9 cents below the support rate for that State (table 7).

In 1953/54, during the first year in which the import fee of 50 percent ad valorem was in effect, the average price of No. 1 flaxseed at Minneapolis exceeded that of No. 1 C.W. (the comparable grade) at Winnipeg by 96 cents a bushel, or considerably more than the amount of the duty (50 cents per bushel). In no year since then, however, has the Minneapolis price exceeded the Winnipeg price by more than 24 cents a bushel, and during much of the time, particularly in the last two seasons, the Minneapolis price has actually fallen below the Winnipeg price (table 6). Under these circumstances, imports of flaxseed would not have been appreciable, even in the absence of the fee of 50 percent ad valorem.

The trend of prices for linseed oil, as might be expected, has generally paralleled that of prices for flaxseed. The average market price of domestic oil in tank cars at Minneapolis declined from a high of 18.9 cents per pound in 1951 to 13.1 cents per pound in 1959 and to 12.3 cents per pound in November 1960 (table 8). The New York price, which is generally between 1 and 2 cents per pound higher than the Minneapolis price, declined from 19.9 cents per pound in 1951 to 14.5 cents per pound in 1959, and was 14.6 cents per pound in November 1960. The price

of Argentine oil, in bulk, delivered c.i.f. at European ports (comparable with the price at which this oil could be delivered c.i.f. at New York), declined from 19.2 cents per pound in 1951 to 11.2 cents per pound in 1959, and was 10.9 cents per pound in November 1960.

In 1953 and 1954 the price of domestic linseed oil at New York exceeded the price of Argentine oil at European ports by more than the amount of the duty ( $4\frac{1}{2}$  cents per pound) but not by as much as the total of the duty and the import fee. Since 1954 the price differential between domestic oil and foreign oil has regularly been less than the duty of  $4\frac{1}{2}$  cents per pound, and the importation of linseed oil would have been unprofitable, even if there had been no import fee.

#### U.S. supply and utilization

Stocks.--Stocks of linseed oil on July 1 declined substantially from 1954 to 1960 (table 9). Stocks of flaxseed, on the other hand, fluctuated during this period without showing any definite trend. In 1957, at 19.4 million bushels, the July 1 stocks of flaxseed were at a peak and in 1960, at 3.0 million bushels, they were at a low for the period (tables 10 and 11). Total combined stocks of flaxseed and linseed oil (in terms of its flaxseed equivalent) declined irregularly from 31.8 million bushels on July 1, 1954, to 7.5 million bushels on July 1, 1960.

Production.--A gradual reduction in flaxseed acreage in recent years has been reflected in a reduction in production (table 11). The production declined from 41.3 million bushels in 1954/55 and 48.0 million in 1956/57 to 22.7 million in 1959/60. In 1960/61, at about 30.6 million bushels, production was somewhat below the average (33.1 million bushels) for the 5-year period ending in 1960.

Imports.---Imports of flaxseed and linseed oil (in terms of its flaxseed equivalent) have amounted to less than 50,000 bushels annually since 1953.

Total supply.---Total supply of flaxseed and linseed oil (in terms of its flaxseed equivalent) showed a marked decline from 73.1 million bushels in 1954/55 to 42.3 million bushels in 1959/60 (table 10). Assuming imports no larger than in recent years, total supply for 1960/61 is estimated to be 38.1 million bushels.

Domestic utilization.---Domestic utilization of flaxseed and linseed oil (in terms of its flaxseed equivalent) declined from 30.4 million bushels in 1954/55 and 31.6 million in 1955/56 to 23.9 million in 1959/60 (table 10). About 2.5 million bushels annually are utilized for seeding purposes and the remainder is processed into linseed oil and oilcake and meal (table 11).

Exports.---The combined exports of flaxseed and linseed oil (in terms of its flaxseed equivalent) ranged from a high of 24.1 million bushels in 1954/55 to a low of 6.4 million bushels in 1956/57 and 1958/59; in 1959/60 exports amounted to 10.9 million bushels (table 10). Since 1957/58, flaxseed has accounted for the bulk of the exports. European countries, mainly the Netherlands, are the principal foreign markets. A large part of the exports since 1953/54 have been effected through CCC export programs which the Government has conducted at a loss.

Total utilization.---Total utilization (domestic use and exports) of flaxseed and linseed oil (in terms of its flaxseed equivalent) in recent years has ranged from a high of 54.5 million bushels in 1954/55 to a low of 33.3 million bushels in 1958/59; it amounted to 34.8 million in 1959/60 and averaged about 35 million bushels annually. The larger utilization in some earlier years was because of substantial exports under subsidized Government programs and greater domestic use of linseed oil in paints. Other drying oils, such as tall oil, have replaced linseed oil to a certain extent.

Foreign production and exports

Canadian production of flaxseed since 1949/50 has fluctuated from a low of 5.0 million bushels in 1950/51 to a high of 35.0 million bushels in 1956/57 (table 12). Production for the 1960/61 crop is estimated at 25.1 million bushels. The Canadian supply of flaxseed (production plus carryover), for the crop year beginning August 1, 1960, amounted to 29.8 million bushels, the second largest supply in the last 10 years. Domestic disappearance in Canada in the last 5 years has averaged about 7.7 million bushels. On the basis of this experience, 22.2 million bushels will be available for export and carryover during the current marketing year (Aug. 1, 1960, to July 31, 1961). Canadian exports of flaxseed and linseed oil (in terms of its flaxseed equivalent) have been declining since 1957, when they amounted to 22.4 million bushels (table 14). Exports amounted to 15.1 million bushels in 1958 and 12.8 million bushels in 1959. Most Canadian flaxseed has been exported to European countries.

Flaxseed production in Argentina increased from 9.4 million bushels in 1955 to 32.9 million bushels in 1959 (table 13). Preliminary data for the 1960 crop, which is now being harvested, indicate a production of 26.0 million bushels. Argentine exports of flaxseed and linseed oil (in terms of its flaxseed equivalent) have fluctuated considerably in the past 10 years, from a high of 36.4 million bushels in 1951 to a low of 4.6 million bushels the following year (table 14). From 8.2 million bushels in 1956, however, exports increased steadily to 24.1 million bushels in 1959. Most of the exports, in the form of linseed oil, have gone to European countries.



Peanut OilDescription and uses

Peanut oil is used chiefly as a cooking oil, as a salad oil and, after hydrogenation, in shortening and margarine. Small quantities of inedible grades, including soapstock from the refineries, are used by soapmakers. The presscake remaining after the oil has been extracted is a valuable byproduct used as a cattle feed.

Although considerably lower priced than olive oil, peanut oil is normally priced several cents a pound higher than the major edible oils produced in the United States--soybean, cottonseed, and corn oil (table 15). Peanut oil enjoys a certain consumer preference because of its characteristic odor and flavor and its freedom from non-oil substances, but soybean, cottonseed, and corn oil can be substituted for it in nearly all of its uses, and its price is thus governed to a considerable extent by the price of those oils.

Customs treatment

Peanut oil is dutiable under the provisions of paragraph 54 of the Tariff Act of 1930, at 4 cents a pound; in addition, a fee of 25 percent ad valorem is imposed on imports in excess of 80 million pounds per year pursuant to the President's proclamation issued as a result of the investigation under section 22 of the Agricultural Adjustment Act, as amended. On the imports received since 1953, the duty has been equivalent to 30 to 40 percent ad valorem. The import fee has not been operative since the date it was proclaimed, in June 1953, for in no subsequent year have imports even approached the fee quota.

Domestic supply and consumption

Except on the unusual occasion of a short crop of peanuts in the United States, imports of peanut oil have been small for many years, and the supply of oil has been obtained almost entirely from domestic crushings. In recent years about one-third of the oil has been obtained from cull peanuts and the remainder pressed from surplus peanuts sold for crushing by the Commodity Credit Corporation. During the worldwide shortage of fats and oils which followed World War II, the annual domestic output averaged over 150 million pounds. In recent years, however, production has been substantially smaller. It averaged 71 million pounds annually during the marketing years 1952/53 to 1959/60 (table 16). Fluctuations in production have been moderate except in the drought year 1954/55, when there were few surplus peanuts available for crushing.

Consumption of peanut oil, as measured by domestic disappearance (table 16) ranged from 54 to 86 million pounds annually during the 8-year period covered by the marketing years 1952/53 to 1959/60. The average annual consumption during this period was 69 million pounds.

U.S. imports

Imports of peanut oil for consumption have fluctuated widely in recent years (table 16). Imports in most years during the period 1952/53 to 1959/60 were very small in comparison with domestic production but in 1954/55 they amounted to 27 million pounds, and in 1958/59 to 7 million pounds. Even in 1954/55, imports did not approach the level of 80 million pounds, above which the import fee (25 percent ad valorem) imposed under the provisions of section 22 of the AAA would apply. India, the

Netherlands, the United Kingdom, and Argentina have each been the chief supplier of the imports in one or more years since 1952 (table 17).

#### U.S. exports

Like imports, U.S. exports of peanut oil have fluctuated widely from year to year (table 16). Except for the marketing years 1954/55 and 1955/56, following a short peanut crop, exports have exceeded imports in all recent years. Most of the exports are of the crude oil (table 18), but exports of refined and semirefined oil have been significant in some years (table 19). In 1959 the Netherlands, Cuba, and France were the principal markets for crude peanut oil, and Vietnam and Cuba were the principal markets for refined and semirefined oil. The exports of peanut oil have been accompanied by substantial exports from the United States of surplus peanuts.

#### Prices

During much of the time since 1955, the price of foreign peanut oil at European ports (equivalent to the price at which it could be delivered to the United States) has been higher than that of peanut oil in the United States, and only once during the past 8 years, in 1955, has the foreign price been below that in the United States by enough to make imports on a large scale profitable after payment of the 4-cent-per-pound duty (table 20). In the absence of a peanut crop failure, the price of peanut oil in the United States is governed, not by the price of peanut oil in world markets, but by the price in this country of the other oils with which peanut oil competes.

Price-support program

Under existing legislation, price support for peanuts is mandatory. The Commodity Credit Corporation is required, provided marketing quotas have been approved by growers, to support the price of peanuts at not less than 75 percent nor more than 90 percent of parity. There is no price-support program for peanut oil. The import fee (25 percent ad valorem on imports in excess of 80 million pounds per year) was imposed on peanut oil under the provisions of section 22 of the Agricultural Adjustment Act, as amended, to prevent imports of the oil, as then seemed possible, from interfering with the sale by the CCC of surplus peanuts for crushing.

Pursuant to its obligation, the CCC during the past 5 years has acquired an average of about 15 percent of the domestic production of peanuts, which it has sold both in the United States (for crushing) and abroad. The sales have covered about half of the cost to the Government. Losses incurred in the price-support program on peanuts from 1950/51 to 1959/60 amounted to \$119 million, of which \$67 million was incurred in the last 5 years of the period.

In the marketing years 1955/56 to 1959/60 the surplus peanuts sold for crushing in the United States yielded an average of about 50 million pounds annually, or about two-thirds of the average domestic production of peanut oil during those years.

The import fee of 25 percent ad valorem on imports in excess of 80 million pounds per year has been inoperative, and consequently has had no effect on the price-support program, because at no time since it was imposed, on June 30, 1953, have imports approached 80 million pounds.

Conclusions

In view of the foregoing considerations the Commission finds that changed circumstances require the reduction of the fee on flaxseed and on linseed oil and combinations and mixtures in chief value of such oil, respectively, from 50 percent ad valorem to 15 percent ad valorem; and the termination of the fee imposed on peanut oil.

Respectfully submitted. 1/

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Joseph E. Talbot, Chairman

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J. Allen Overton, Jr., Vice Chairman

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J. Weldon Jones, Commissioner

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William E. Dowling, Commissioner

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1/ Commissioners Schreiber and Sutton did not participate in the finding and recommendation by reason of absence.

Statistical Appendix

U.S. production, total and by the 6 principal producing States, crop years, average 1950/51 to 1953/54, annual 1954/55 to 1960/61

(In thousands of bushels)

| State           | Average<br>1950/51 to 1953/54 | 1954/55 | 1955/56 | 1956/57 | 1957/58 | 1958/59 | 1959/60 | 1960/61 |
|-----------------|-------------------------------|---------|---------|---------|---------|---------|---------|---------|
| North Dakota    | 16,108                        | 23,520  | 24,578  | 29,672  | 15,282  | 20,576  | 11,356  | 14,685  |
| Minnesota       | 10,994                        | 8,928   | 8,008   | 9,950   | 3,702   | 6,993   | 5,302   | 7,826   |
| South Dakota    | 4,879                         | 5,928   | 5,783   | 6,368   | 4,914   | 8,312   | 3,432   | 5,409   |
| Texas           | 818                           | 588     | 96      | 126     | 126     | 336     | 357     | 1,160   |
| California      | 1,324                         | 1,189   | 1,740   | 1,081   | 1,295   | 1,642   | 1,710   | 899     |
| Montana         | 308                           | 660     | 672     | 450     | 275     | 320     | 126     | 300     |
| All other       | 1,012                         | 461     | 366     | 362     | 325     | 389     | 426     | 309     |
| Total           | 35,444                        | 41,274  | 41,243  | 48,009  | 25,919  | 38,568  | 22,709  | 30,588  |
| 1/ Preliminary. |                               |         |         |         |         |         |         |         |

Source: Compiled from official statistics of the U.S. Department of Agriculture.

Table 2.--Flaxseed and linseed oil: U.S. imports for consumption, annual 1950-60, and by months, 1960

| Period                   | Flaxseed <sup>1/</sup> |               |            | Linseed oil |               |            |
|--------------------------|------------------------|---------------|------------|-------------|---------------|------------|
|                          | Quantity               | Foreign value | Unit value | Quantity    | Foreign value | Unit value |
|                          | Bushels                |               | Per bushel | Pounds      |               | Per Pound  |
| 1950-----                | 1,711                  | \$7,794       | \$4.56     | 68,861      | \$13,372      | \$0.19     |
| 1951-----                | 4                      | 84            | 21.00      | 35,853      | 6,680         | .19        |
| 1952-----                | 20                     | 130           | 6.50       | 8,545       | 1,076         | .13        |
| 1953-----                | 3,723                  | 13,524        | 3.63       | 1,224       | 770           | .63        |
| 1954-----                | 19,011                 | 78,426        | 4.13       | -           | -             | -          |
| 1955-----                | 100                    | 1,000         | 10.00      | 476         | 565           | 1.19       |
| 1956-----                | 680                    | 4,508         | 6.63       | 468         | 554           | 1.18       |
| 1957-----                | 2,634                  | 12,424        | 4.72       | 470         | 556           | 1.18       |
| 1958 <sup>2/</sup> ----- | 2,398                  | 9,845         | 4.11       | 2,124       | 1,128         | .53        |
| 1959 <sup>2/</sup> ----- | 186                    | 937           | 5.04       | 1,071       | 613           | .57        |
| 1960 <sup>2/</sup> ----- |                        |               |            |             |               |            |
| January-----             | -                      | -             | -          | -           | -             | -          |
| February-----            | 20                     | 110           | 5.50       | 472         | 559           | 1.18       |
| March-----               | 62                     | 352           | 5.68       | 327         | 207           | .63        |
| April-----               | -                      | -             | -          | 356         | 201           | .56        |
| May-----                 | 56                     | 242           | 4.32       | 481         | 569           | 1.18       |
| June-----                | -                      | -             | -          | -           | -             | -          |
| July-----                | -                      | -             | -          | 748         | 300           | .40        |
| August-----              | -                      | -             | -          | -           | -             | -          |
| September-----           | -                      | -             | -          | -           | -             | -          |
| October-----             |                        |               |            |             |               |            |
| November-----            |                        |               |            |             |               |            |
| December-----            |                        |               |            |             |               |            |

<sup>1/</sup> Practically all from Canada.  
<sup>2/</sup> Preliminary.

Source: Compiled from official statistics of the U.S. Department of Commerce.



Table 3.--Linseed oil: U.S. imports for consumption, by countries, 1956-59 and January-August 1960

| Country                | 1956   | 1957   | 1958 <sup>1/</sup> | 1959 <sup>1/</sup> | January-August<br>1960 <sup>1/</sup> |
|------------------------|--------|--------|--------------------|--------------------|--------------------------------------|
| Quantity (pounds)      |        |        |                    |                    |                                      |
| United Kingdom-----    | 468    | 470    | 800                | 718                | 1,498                                |
| Denmark-----           | -      | -      | -                  | -                  | 886                                  |
| West Germany-----      | -      | -      | 883                | 353                | -                                    |
| Belgium-----           | -      | -      | 441                | -                  | -                                    |
| Total-----             | 468    | 470    | 2,124              | 1,071              | 2,384                                |
| Foreign value          |        |        |                    |                    |                                      |
| United Kingdom-----    | \$554  | \$556  | \$477              | \$386              | \$1,439                              |
| Denmark-----           | -      | -      | -                  | -                  | 397                                  |
| West Germany-----      | -      | -      | 328                | 227                | -                                    |
| Belgium-----           | -      | -      | 323                | -                  | -                                    |
| Total-----             | 554    | 556    | 1,128              | 613                | 1,836                                |
| Unit value (per pound) |        |        |                    |                    |                                      |
| United Kingdom-----    | \$1.18 | \$1.18 | \$0.60             | \$0.54             | \$0.96                               |
| Denmark-----           | -      | -      | -                  | -                  | .45                                  |
| West Germany-----      | -      | -      | .37                | .64                | -                                    |
| Belgium-----           | -      | -      | .73                | -                  | -                                    |
| Average-----           | 1.18   | 1.18   | .53                | .57                | .77                                  |

<sup>1/</sup> Preliminary.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 4.--Flaxseed: Average support rate, average farm price, U.S. production, quantity placed under price support, quantity delivered to the Commodity Credit Corporation, and stocks owned by the CCC at yearend, crop years 1950/51 to 1960/61

| Year beginning July 1 | Average support rate to growers | Ratio of support rate to parity | Average farm price 1/ | Production    | Quantity placed under price support | Quantity delivered to the CCC | Stocks owned by the CCC at yearend (June 30) 2/ | Ratio of quantity placed under price support to U.S. production | Ratio of stocks owned by the CCC at yearend (June 30) to U.S. production |
|-----------------------|---------------------------------|---------------------------------|-----------------------|---------------|-------------------------------------|-------------------------------|---|---|--|
|                       | Per bushel                      | Percent                         | Per bushel            | 1,000 bushels | 1,000 bushels                       | 1,000 bushels                 | bushels   | Percent   | Percent  |
| 1950/51               | \$2.57                          | 60                              | \$3.34                | 40,236        | 958                                 | 1                             | 29,232  | 2.4   | 72.7   |
| 1951/52               | 2.65                            | 60                              | 3.72                  | 34,696        | 1,876                               | 10                            | 25,083  | 5.4   | 72.3   |
| 1952/53               | 3.77                            | 80                              | 3.72                  | 30,184        | 5,473                               | 4,940                         | 29,636  | 18.1  | 98.2   |
| 1953/54               | 3.79                            | 80                              | 3.64                  | 37,656        | 19,027                              | 17,646                        | 10,899  | 50.5  | 28.9   |
| 1954/55               | 3.14                            | 70                              | 3.05                  | 41,274        | 10,369                              | 8,754                         | 9,576   | 25.1  | 23.2   |
| 1955/56               | 2.91                            | 65                              | 2.90                  | 41,243        | 8,594                               | 31                            | 22  | 20.8  | .1   |
| 1956/57               | 3.09                            | 70                              | 2.99                  | 48,009        | 17,489                              | 16,728                        | 13,494  | 36.4  | 29.1   |
| 1957/58               | 2.92                            | 65                              | 2.94                  | 25,919        | 4,438                               | 3,502                         | 3,173   | 17.1  | 12.2   |
| 1958/59               | 2.78                            | 65                              | 2.69                  | 38,568        | 15,135                              | 13,200                        | 7,448   | 39.2  | 19.3   |
| 1959/60 3/            | 2.38                            | 60                              | 3.00                  | 22,709        | 444                                 | -                             | 68  | 2.0   | .3   |
| 1960/61 2/            | 2.38                            | 62                              |                       | 30,588        | 1/ 1,542                            |                               |   |   |  |

1/ Weighted by sales.

2/ Includes flaxseed and flaxseed equivalent of linseed oil.

3/ Preliminary.

1/ As of Oct. 31, 1960.

Source: Compiled from official statistics of the U.S. Department of Agriculture.

Table 5.--Flaxseed: Losses on price-support operations by the Commodity Credit Corporation in disposing of flaxseed and linseed oil, crop years 1950/51 to 1959/60

| Year beginning July 1 | Flaxseed     | Linseed oil  | Total        |
|-----------------------|--------------|--------------|--------------|
| 1950/51               | \$19,036,708 | \$38,485,511 | \$57,522,219 |
| 1951/52               | 1,722,459    | 2,960,753    | 4,683,212    |
| 1952/53               | 131,661      | 1,299,885    | 1,431,546    |
| 1953/54               | 6,379,951    | 44,894,300   | 51,274,251   |
| 1954/55               | 15,404,163   | 7,437,377    | 22,841,540   |
| 1955/56               | 1,767,509    | 5,860,061    | 7,627,570    |
| 1956/57               | 2,510,660    | 921          | 2,511,581    |
| 1957/58               | 15,377,745   | -            | 15,377,745   |
| 1958/59 1/            | 1,627,222    | -            | 1,627,222    |
| 1959/60 1/            | 172,192      | 1,153,461    | 1,325,653    |
| Total                 | 64,160,270   | 102,092,269  | 166,252,539  |
| 1/ Preliminary.       |              |              |              |

Source: Compiled from official statistics of the U.S. Department of Agriculture.

Table 6.--Flaxseed: U.S. and Canadian terminal cash market prices, crop years 1950/51 to 1959/60 and, by months, July 1959-November 1960 (Per bushel of 56 pounds)

| Year beginning July 1 1/ | U.S. No. 1 at Minneapolis |                      | Average market price                                    |                       | Amount Minneapolis No. 1 price exceeds or falls below Winnipeg |                  |
|--------------------------|---------------------------|----------------------|---|-----------------------|--|------------------|
|                          | Effective support rate    | Average market price | at Winnipeg (basis in store Ft. William-Port Arthur) 2/ | No. 1 C.W. No. 2 C.W. | Amount Minneapolis No. 1 price exceeds or falls below Winnipeg | No. 1 C.W. price |
| 1950/51                  | \$2.82                    | \$3.90               | \$4.19  | No. 1 C.W. No. 2 C.W. |  |                  |
| 1951/52                  | 2.90                      | 4.10                 | 4.23  | \$4.14                | -\$0.29  |                  |
| 1952/53                  | 4.03                      | 4.09                 | 3.36  | 4.17                  | - .13  |                  |
| 1953/54                  | 4.05                      | 3.84                 | 2.88  | 3.31                  | + .73  |                  |
| 1954/55                  | 3.41                      | 3.39                 | 3.18  | 2.84                  | + .96  |                  |
| 1955/56                  | 3.19                      | 3.18                 | 3.65  | 3.11                  | + .21  |                  |
| 1956/57                  | 3.39                      | 3.27                 | 3.03  | 3.60                  | -.47   |                  |
| 1957/58                  | 3.23                      | 3.28                 | 3.16  | 2.98                  | + .24  |                  |
| 1958/59                  | 3.09                      | 3.02                 | 3.13  | 3.11                  | + .12  |                  |
| 1959/60                  |                           |                      | 3.07  | 3.07                  | -.11   |                  |
| July                     | 2.66                      | 3.37                 | 3.49  | 3.43                  | -.12   |                  |
| August                   | 2.53                      | 2.97                 | 3.16  | 3.10                  | -.19   |                  |
| September                | 2.54                      | 3.28                 | 3.43  | 3.34                  | -.15   |                  |
| October                  | 2.56                      | 3.42                 | 3.60  | 3.53                  | -.18   |                  |
| November                 | 2.58                      | 3.68                 | 3.99  | 3.93                  | -.31   |                  |
| December                 | 2.59                      | 3.85                 | 4.00  | 3.92                  | -.15   |                  |
| January                  | 2.61                      | 3.58                 | 3.55  | 3.49                  | + .03  |                  |
| February                 | 2.62                      | 3.50                 | 3.43  | 3.35                  | + .07  |                  |
| March                    | 2.64                      | 3.35                 | 3.30  | 3.24                  | + .05  |                  |
| April                    | 2.65                      | 3.28                 | 3.33  | 3.28                  | -.05   |                  |
| May                      | 2.66                      | 3.36                 | 3.40  | 3.35                  | -.04   |                  |
| June                     | 2.66                      | 3.43                 | 3.38  | 3.34                  | + .05  |                  |
|                          | 2.66                      | 3.19                 | 3.25  | 3.21                  | -.06   |                  |
| 1960/61                  |                           |                      |   |                       |  |                  |
| July                     | 2.65                      |                      |   |                       |  |                  |
| August                   | 2.56                      | 3.01                 | 3.20  | 3.16                  | -.19   |                  |
| September                | 2.57                      | 3.11                 | 3.36  | 3.33                  | -.25   |                  |
| October                  | 2.58                      | 2.98                 | 3.18  | 3.13                  | -.20   |                  |
| November                 | 2.59                      | 2.88                 | 3.03  | 2.98                  | -.15   |                  |
|                          | 2.60                      | 2.76                 | 2.89  | 2.83                  | -.13   |                  |

1/ Year beginning Aug. 1 for Canada.  
2/ In terms of U.S. currency.

Source: Compiled from official statistics of the U.S. Department of Agriculture.  
Note.--The requirements of U.S. No. 1 flaxseed are between those for Canadian No. 1 C.W. and No. 2 C.W.

Table 7.--Flaxseed: Support rates and prices received by farmers in principal producing States and the United States, crop years beginning July 1, 1957/58 to 1959/60 and, by months, July-November 1960

| State         | (Per bushel of 56 pounds) |                         |                                |                         |                         |                                |                         |                         |                                |                         |                         |                                |
|---------------|---------------------------|-------------------------|--------------------------------|-------------------------|-------------------------|--------------------------------|-------------------------|-------------------------|--------------------------------|-------------------------|-------------------------|--------------------------------|
|               | 1957/58                   |                         |                                | 1958/59                 |                         |                                | 1959/60 1/              |                         |                                | 1960/61 1/              |                         |                                |
|               | Average support rate 2/   | Season average price 3/ | Season average support rate 2/ | Average support rate 2/ | Season average price 3/ | Season average support rate 2/ | Average support rate 2/ | Season average price 3/ | Season average support rate 2/ | Average support rate 2/ | Season average price 3/ | Season average support rate 2/ |
| North Dakota  | \$2.88                    | \$2.90                  | \$2.72                         | \$2.64                  | \$2.31                  | \$3.01                         | \$2.31                  | \$2.18                  | \$2.70                         | \$2.60                  | \$2.45                  | \$2.36                         |
| Minnesota     | 2.96                      | 2.98                    | 2.81                           | 2.74                    | 2.39                    | 3.05                           | 2.36                    | 2.60                    | 2.83                           | 2.73                    | 2.61                    | 2.51                           |
| South Dakota  | 2.93                      | 2.95                    | 2.78                           | 2.59                    | 2.36                    | 3.00                           | 2.34                    | 2.55                    | 2.79                           | 2.68                    | 2.57                    | 2.45                           |
| Texas         | 2.73                      | 2.64                    | 2.58                           | 2.46                    | 2.15                    | 2.90                           | 2.14                    | 2.90                    | 2.90                           | 2.90                    | -                       | -                              |
| California    | 3.26                      | 3.25                    | 3.10                           | 3.15                    | 2.75                    | 2.90                           | 2.73                    | 3.10                    | 3.10                           | 3.10                    | 3.05                    | 3.05                           |
| Montana       | 2.73                      | 2.65                    | 2.55                           | 2.25                    | 2.12                    | 2.74                           | 2.08                    | 2.11                    | 2.32                           | 2.27                    | 2.12                    | 1.99                           |
| United States | 2.92                      | 2.94                    | 2.78                           | 2.69                    | 2.38                    | 3.00                           | 2.38                    | 2.54                    | 2.80                           | 2.65                    | 2.50                    | 2.40                           |

1/ Preliminary.

2/ State average support rates shown are averages of announced county loan rates, weighted by production, basis No. 1. Price supports are available only for No. 1 and No. 2. No. 2 is discounted 6 cents below No. 1. Premiums are allowed for moisture below 10.6 percent.

3/ Weighted by sales.

Source: Compiled from official statistics of the U.S. Department of Agriculture.

Table 8.--Linseed oil, raw: Wholesale prices at U.S. and European ports, 1950-59 and, by months, January-November 1960

| (Cents per pound)        |                           |                        |  |
|--------------------------|---------------------------|------------------------|--|
| Year                     | Tank cars,<br>Minneapolis | Tank cars,<br>New York | Argentine, bulk, c.i.f.,<br>European ports <sup>1/</sup> |
| 1950-----                | 16.5                      | 17.1                   | 14.0   |
| 1951-----                | 18.9                      | 19.9                   | 19.2   |
| 1952-----                | 15.9                      | 17.0                   | 17.3   |
| 1953-----                | 15.0                      | 16.2                   | 10.7   |
| 1954-----                | 14.6                      | 15.8                   | 8.2  |
| 1955-----                | 12.9                      | 14.1                   | 11.2   |
| 1956-----                | 14.1                      | 15.4                   | 14.9   |
| 1957-----                | 13.6                      | 15.0                   | 12.2   |
| 1958-----                | 13.8                      | 15.3                   | 12.0   |
| 1959 <sup>2/</sup> ----- | 13.1                      | 14.5                   | 11.2   |
| 1960: <sup>2/</sup>      |                           |                        |  |
| January-----             | 14.0                      | 15.1                   | 11.3   |
| February-----            | 13.9                      | 15.0                   | 11.1   |
| March-----               | 13.5                      | 14.6                   | 11.6   |
| April-----               | 13.1                      | 14.2                   | 12.0   |
| May-----                 | 13.2                      | 14.3                   | 12.2   |
| June-----                | 13.2                      | 14.3                   | 12.2   |
| July-----                | 12.9                      | 14.0                   | <sup>3/</sup> 11.6                                       |
| August-----              | 13.2                      | 14.3                   | <sup>3/</sup> 11.9                                       |
| September-----           | 12.6                      |                        |  |
| October-----             | 12.4                      | 13.7                   | <sup>3/</sup> 11.9                                       |
| November-----            | 12.3                      | 13.5                   | <sup>3/</sup> 11.6                                       |
|                          |                           | 14.6                   | <sup>3/</sup> 10.9                                       |

<sup>1/</sup> Includes Uruguayan oil.

<sup>2/</sup> Preliminary.

<sup>3/</sup> Includes oil of any origin, ex-tank at Rotterdam.

Source: Compiled from official statistics of the U.S. Department of Agriculture.

Table 9.--Linseed oil: U.S. supply and utilization, crop years 1950/51 to 1960/61  
(In millions of pounds)

| Year beginning<br>July 1 | Supply <sup>1/</sup> |            |       | Utilization |          |       |
|--------------------------|----------------------|------------|-------|-------------|----------|-------|
|                          | Beginning stocks     | Production | Total | Exports     | Domestic | Total |
| 1950/51                  | 588                  | 844        | 1,432 | 26          | 728      | 754   |
| 1951/52                  | 679                  | 609        | 1,288 | 28          | 585      | 613   |
| 1952/53                  | 675                  | 507        | 1,182 | 3           | 559      | 562   |
| 1953/54                  | 619                  | 551        | 1,170 | 303         | 522      | 825   |
| 1954/55                  | 345                  | 632        | 977   | 318         | 521      | 839   |
| 1955/56                  | 139                  | 695        | 834   | 140         | 552      | 692   |
| 1956/57                  | 142                  | 532        | 674   | 78          | 497      | 575   |
| 1957/58                  | 99                   | 535        | 634   | 87          | 435      | 522   |
| 1958/59                  | 112                  | 448        | 560   | 8           | 455      | 463   |
| 1959/60 <sup>2/</sup>    | 97                   | 466        | 563   | 51          | 423      | 474   |
| 1960/61 <sup>2/</sup>    | 89                   |            |       |             |          |       |

<sup>1/</sup> Imports in each year were less than 500,000 pounds.  
<sup>2/</sup> Preliminary.

Source: Compiled from official statistics of the U.S. Department of Agriculture.

Table 10.---Flaxseed and linseed oil in terms of its flaxseed equivalent: U.S. supply and utilization, crop years 1954/55 to 1960/61

| Item   | (In millions of bushels) |         |         |         |         |         |                       |
|--|--------------------------|---------|---------|---------|---------|---------|-----------------------|
|  | 1954/55                  | 1955/56 | 1956/57 | 1957/58 | 1958/59 | 1959/60 | 1960/61 <sup>1/</sup> |
| Supply:  |                          |         |         |         |         |         |                       |
| Beginning stocks (July 1):   |                          |         |         |         |         |         |                       |
| Flaxseed   | 14.2                     | 11.2    | 4.1     | 19.4    | 8.7     | 14.7    | 3.0                   |
| Linseed oil in terms of its flaxseed equivalent.                         | 17.6                     | 7.0     | 7.1     | 5.1     | 5.6     | 4.9     | 4.5                   |
| Total  | 31.8                     | 18.2    | 11.2    | 24.5    | 14.3    | 19.6    | 7.5                   |
| Production (flaxseed only)   | 41.3                     | 41.2    | 48.0    | 25.9    | 38.6    | 22.7    | 20.5                  |
| Total supply <sup>2/</sup>   | 73.1                     | 59.4    | 59.2    | 50.4    | 52.9    | 42.3    | 3/ 38.1               |
| Utilization:   |                          |         |         |         |         |         |                       |
| Domestic (flaxseed and linseed oil in terms of its flaxseed equivalent), | 30.4                     | 31.6    | 28.5    | 24.8    | 26.9    | 23.9    |                       |
| Exports:   |                          |         |         |         |         |         |                       |
| Flaxseed   | 8.2                      | 10.4    | 2.5     | 9.0     | 6.0     | 8.3     |                       |
| Linseed oil in terms of its flaxseed equivalent.                         | 15.9                     | 7.0     | 3.9     | 4.4     | .4      | 2.6     |                       |
| Total  | 24.1                     | 17.4    | 6.4     | 13.4    | 6.4     | 10.9    |                       |
| Total utilization  | 54.5                     | 49.0    | 34.9    | 38.2    | 33.3    | 34.8    |                       |
| Ending stocks (June 30):   |                          |         |         |         |         |         |                       |
| Flaxseed   | 11.2                     | 4.1     | 19.4    | 8.7     | 14.7    | 3.0     |                       |
| Linseed oil in terms of its flaxseed equivalent.                         | 7.0                      | 7.1     | 5.1     | 5.6     | 4.9     | 4.5     |                       |
| Total  | 18.2                     | 11.2    | 24.5    | 14.3    | 19.6    | 7.5     |                       |

<sup>1/</sup> Preliminary.

<sup>2/</sup> Total imports of flaxseed and linseed oil in terms of its flaxseed equivalent in each year were less than 50,000 bushels.

<sup>3/</sup> Assuming imports less than 50,000 bushels as in other years covered.

Source: Compiled from official statistics of the U.S. Department of Agriculture.



Table 11.--Flaxseed: U.S. supply and utilization, crop years 1954/55 to 1960/61

| Item                                       | Unit of quantity | 1954/55 | 1955/56 | 1956/57 | 1957/58 | 1958/59 | 1959/60 | 1960/61 |
|--|------------------|---------|---------|---------|---------|---------|---------|---------|
| Supply:                                    |                  |         |         |         |         |         |         |         |
| Beginning stocks (July 1) (flaxseed only). | Million bu.      | 14.2    | 11.2    | 4.1     | 19.4    | 8.7     | 14.7    | 3.0     |
| Production                                 | do               | 41.3    | 41.2    | 48.0    | 25.9    | 38.6    | 22.7    | 30.6    |
| Total 2/                                   | do               | 55.5    | 52.4    | 52.1    | 45.3    | 47.3    | 37.4    | 33.3    |
| Utilization:                               |                  |         |         |         |         |         |         |         |
| Seed                                       | do               | 3.5     | 3.9     | 3.7     | 2.6     | 2.3     | 2.3     |         |
| Crushed for oil                            | do               | 32.3    | 34.9    | 26.2    | 27.3    | 22.4    | 23.2    |         |
| Total                                      | do               | 35.8    | 38.8    | 29.9    | 29.9    | 24.7    | 25.5    |         |
| Exports                                    | do               | 8.2     | 10.4    | 2.5     | 9.0     | 6.0     | 8.3     |         |
| Other disappearance 4/                     | do               | .3      | -.9     | .3      | -2.3    | 1.9     | .6      |         |
| Total utilization                          | do               | 44.3    | 48.3    | 32.7    | 36.6    | 32.6    | 34.4    |         |
| Ending stocks (June 30) (flaxseed only)    | do               | 11.2    | 4.1     | 19.4    | 8.7     | 14.7    | 3.0     |         |
| Acreage planted                            | 1,000 acres      | 5,947   | 5,219   | 5,866   | 5,599   | 3,943   | 3,482   | 3,502   |
| Acreage harvested                          | do               | 5,663   | 4,981   | 5,548   | 4,899   | 3,789   | 3,132   | 3,364   |
| Yield per harvested acre                   | Bushels          | 7.3     | 8.3     | 8.7     | 5.3     | 10.2    | 7.3     | 9.1     |

1/ Preliminary.

2/ Imports in each year were less than 50,000 bushels.

3/ Assuming imports less than 50,000 bushels as in other years covered.

4/ Other disappearance represents cleaning loss, waste, and statistical errors in estimates.

Source: Compiled from official statistics of the U.S. Department of Agriculture.

(In thousands of bushels)

| Year beginning Aug. 1 | Beginning stocks | Production | Imports   | Total supply | Domestic use <u>1/</u> | Exports <u>2/</u> | Total disappearance | Ending stocks |
|-----------------------|------------------|------------|-----------|--------------|------------------------|-------------------|---------------------|---------------|
| 1950/51               | 4,168            | 4,959      | 928       | 10,355       | 5,020                  | 4,131             | 9,151               | 1,204         |
| 1951/52               | 1,204            | 9,478      | 534       | 11,216       | 5,428                  | 2,882             | 8,310               | 2,906         |
| 1952/53               | 2,906            | 11,660     | 19        | 14,585       | 6,224                  | 4,060             | 10,284              | 4,301         |
| 1953/54               | 4,301            | 9,748      | <u>3/</u> | 14,049       | 5,387                  | 5,172             | 10,559              | 3,490         |
| 1954/55               | 3,490            | 10,998     | 7         | 14,495       | 5,563                  | 6,345             | 11,908              | 2,587         |
| 1955/56               | 2,587            | 18,990     | 1,063     | 22,640       | 8,060                  | 11,583            | 19,643              | 2,997         |
| 1956/57               | 2,997            | 34,991     | 9         | 37,997       | 8,834                  | 21,582            | 30,416              | 7,581         |
| 1957/58               | 7,581            | 19,179     | 5         | 26,765       | 7,461                  | 13,650            | 21,111              | 5,552         |
| 1958/59               | 5,552            | 22,766     | 92        | 28,510       | 7,711                  | 14,276            | 21,987              | 6,523         |
| 1959/60 <u>4/</u>     | 6,523            | 17,719     | 128       | 24,370       | 6,624                  | 13,010            | 19,634              | 4,736         |
| 1960/61 <u>4/</u>     | 4,736            | 25,114     |           |              |                        |                   |                     |               |

1/ Domestic use includes crushing for oil, seed, and other items. The quantities of oil exported, data for which are not readily available on a crop-year basis, have not been deducted from these figures. The annual average linseed oil in terms of its flaxseed equivalent exported in 1950-54 was 855 thousand bushels, and that in 1955-59, 610 thousand bushels.

2/ Does not include linseed oil in terms of its flaxseed equivalent.

3/ Less than 500 bushels.

4/ Preliminary.

Source: Compiled from official statistics of the U.S. Department of Agriculture.

Table 13.--Flaxseed: World production, 1950-60 1/

(In millions of bushels)

| Country       | 1950  | 1951  | 1952  | 1953  | 1954  | 1955  | 1956  | 1957  | 1958 2/ | 1959 2/ | 1960 2/ |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|
| United States | 40.2  | 34.7  | 30.2  | 37.7  | 41.3  | 41.2  | 48.0  | 25.9  | 38.6    | 22.7    | 30.6    |
| Canada        | 4.9   | 9.9   | 12.3  | 9.9   | 11.2  | 19.0  | 35.0  | 19.2  | 22.8    | 17.7    | 25.1    |
| India         | 16.4  | 14.4  | 12.6  | 14.4  | 15.0  | 15.3  | 16.6  | 15.4  | 10.0    | 17.9    | 17.0    |
| Argentina     | 22.0  | 12.3  | 23.0  | 16.1  | 16.3  | 9.4   | 24.4  | 24.8  | 24.4    | 32.9    | 26.0    |
| Other         | 50.9  | 49.6  | 44.3  | 37.5  | 34.9  | 38.1  | 39.3  | 37.5  | 35.7    | 32.0    | 36.0    |
| Total         | 134.2 | 120.9 | 122.4 | 115.6 | 118.7 | 123.0 | 163.3 | 122.8 | 131.5   | 123.2   | 134.7   |

1/ Harvests of the Northern Hemisphere countries are combined with those of the Southern Hemisphere countries which immediately follow; thus the crop harvested in the Northern Hemisphere countries in 1959 is combined with the Southern Hemisphere harvest which began late in 1959 and ended early in 1960.

2/ Preliminary.

Source: Compiled from official statistics of the U.S. Department of Agriculture.

Table 14.--Flaxseed: World primary exports of flaxseed and linseed oil in terms of its flaxseed equivalent, 1950-60 1/

(In millions of bushels)

| Country       | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 2/ | 1959 2/ |
|---------------|------|------|------|------|------|------|------|------|---------|---------|
| Argentina     | 29.3 | 36.4 | 4.6  | 14.5 | 28.8 | 18.2 | 8.2  | 16.3 | 18.8    | 24.1    |
| United States | 4.8  | 4.6  | 2.8  | 4.6  | 32.0 | 12.1 | 13.5 | 16.6 | 5.2     | 9.3     |
| Canada        | 4.4  | 3.0  | 5.1  | 4.4  | 4.6  | 10.1 | 13.1 | 22.4 | 15.1    | 12.8    |
| India         | 3.3  | 2.9  | 4.0  | .9   | .3   | 7.7  | 5.2  | 2.0  | 2.7     | 2.4     |
| Other         | 7.2  | 5.3  | 7.1  | 8.6  | 4.2  | 4.5  | 13.4 | 13.9 | 10.0    | 8.5     |
| Total         | 49.0 | 52.2 | 23.6 | 33.0 | 71.6 | 54.1 | 53.4 | 71.2 | 51.6    | 57.1    |

1/ Primary exports from a country include only flaxseed and linseed oil produced from that country's crop. Linseed oil converted to flaxseed equivalent at the rate of 20 pounds of oil per bushel of flaxseed in the United States and 19 pounds in other countries.

2/ Preliminary.

Source: Compiled from official statistics of the U.S. Department of Agriculture.

TABLE 14

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Table 15.--U.S. prices of peanut oil and of competitive edible oils,  
1952-59 and January-October 1960

(In cents per pound)

| Year          | Peanut<br>oil 1/ | Cottonseed:<br>oil 2/ | Soybean<br>oil 3/ | Corn<br>oil 4/ | Olive<br>oil 5/ |
|---------------|------------------|-----------------------|-------------------|----------------|-----------------|
| 1952-----     | 17.0             | 12.8                  | 11.0              | 13.3           | 29.6            |
| 1953-----     | 21.1             | 14.0                  | 12.4              | 14.2           | 34.5            |
| 1954-----     | 18.2             | 13.3                  | 13.3              | 14.0           | 30.1            |
| 1955-----     | 17.6             | 12.4                  | 11.6              | 13.0           | 31.5            |
| 1956-----     | 15.9             | 13.6                  | 13.2              | 14.1           | 46.0            |
| 1957-----     | 15.1             | 13.3                  | 12.2              | 13.8           | 41.5            |
| 1958-----     | 16.3             | 12.5                  | 10.5              | 13.4           | 32.7            |
| 1959-----     | 12.6             | 11.0                  | 9.0               | 11.7           | 31.3            |
| 1960(Jan-Oct) | 15.5             | 9.9                   | 8.5               | 12.7           | 30.8            |
| :             | :                | :                     | :                 | :              | :               |
| :             | :                | :                     | :                 | :              | :               |

- 1/ Crude, tank cars, f.o.b. southeastern mills.
- 2/ Crude, tanks, f.o.b. Valley points.
- 3/ Crude, tanks, f.o.b. midwestern mills.
- 4/ Crude, tanks, f.o.b. mills.
- 5/ Edible, imported, New York.

Source: Compiled from official statistics by the U.S. Department of  
Agriculture, Commodity Stabilization Services, Oils and Peanut Division.

Table 16.---Peanut oil: U.S. supply and distribution, years beginning Aug. 1, 1952/53 to 1959/60

| Item                   | (In thousands of pounds) |         |         |         |         |         |         |         |  |  |
|------------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|--|--|
|                        | 1952/53                  | 1953/54 | 1954/55 | 1955/56 | 1956/57 | 1957/58 | 1958/59 | 1959/60 |  |  |
| Supply:                |                          |         |         |         |         |         |         |         |  |  |
| Beginning stocks       | 17,354                   | 4,771   | 18,726  | 16,159  | 31,915  | 11,568  | 10,322  | 21,400  |  |  |
| Production             | 54,744                   | 83,421  | 25,541  | 74,610  | 76,309  | 67,273  | 97,432  | 86,149  |  |  |
| Imports                | -                        | 1,531   | 26,833  | 10,998  | -       | 3,471   | 7,227   | -       |  |  |
| Total supply           | 72,098                   | 89,723  | 71,100  | 101,767 | 108,224 | 82,317  | 114,981 | 107,549 |  |  |
| Utilization:           |                          |         |         |         |         |         |         |         |  |  |
| Exports                | 1,766                    | 8,634   | 666     | 2,323   | 24,032  | 4,496   | 8,065   | 12,106  |  |  |
| Domestic disappearance | 65,561                   | 62,363  | 54,275  | 67,529  | 72,624  | 67,499  | 85,516  | 80,443  |  |  |
| Total utilization      | 67,327                   | 70,997  | 54,941  | 69,852  | 96,656  | 71,995  | 93,581  | 92,549  |  |  |
| Ending stocks          | 4,771                    | 18,726  | 16,159  | 31,915  | 11,568  | 10,322  | 21,400  | 15,000  |  |  |

Source: Compiled from official statistics by the U.S. Department of Agriculture, Commodity Stabilization Service, Oils and Peanut Division, November 21, 1960.

TABLE 1.—Peanut oil (ground nut oil): U.S. imports for consumption, by countries, 1952-59 and January-September 1960 <sup>1/</sup>

| Country                | 1953              | 1954      | 1955        | 1956      | 1958 <sup>2/</sup> | 1959 <sup>2/</sup> |
|------------------------|-------------------|-----------|-------------|-----------|--------------------|--------------------|
|                        | Quantity (pounds) |           |             |           |                    |                    |
| Argentina              | 1,531,090         | -         | -           | -         | 2,781,912          | 429,270            |
| Netherlands            | -                 | -         | 8,528,018   | -         | 6,210,931          | -                  |
| United Kingdom         | 400               | 6,177,637 | 3,127,564   | 1,395,208 | 685,468            | -                  |
| Nigeria                | -                 | -         | -           | -         | 577,830            | -                  |
| Cuba                   | -                 | -         | -           | -         | 11,344             | -                  |
| India                  | -                 | -         | 13,349,764  | -         | -                  | -                  |
| Union of South Africa  | -                 | -         | 3,497,857   | -         | -                  | -                  |
| Belgium and Luxembourg | -                 | -         | 882,065     | -         | -                  | -                  |
| Belgian Congo          | -                 | -         | 569,710     | -         | -                  | -                  |
| Canada                 | -                 | -         | 302,980     | -         | -                  | -                  |
| Total                  | 1,531,490         | 6,177,637 | 30,257,958  | 1,395,208 | 10,267,485         | 429,270            |
|                        | Foreign value     |           |             |           |                    |                    |
| Argentina              | \$240,016         | -         | -           | -         | \$358,802          | \$51,999           |
| Netherlands            | -                 | -         | \$1,153,222 | -         | 794,366            | -                  |
| United Kingdom         | 68                | \$933,421 | 518,967     | \$206,777 | 82,730             | -                  |
| Nigeria                | -                 | -         | -           | -         | 72,847             | -                  |
| Cuba                   | -                 | -         | -           | -         | 4,888              | -                  |
| India                  | -                 | -         | 1,534,130   | -         | -                  | -                  |
| Union of South Africa  | -                 | -         | 447,132     | -         | -                  | -                  |
| Belgium and Luxembourg | -                 | -         | 127,343     | -         | -                  | -                  |
| Belgian Congo          | -                 | -         | 77,198      | -         | -                  | -                  |
| Canada                 | -                 | -         | 44,781      | -         | -                  | -                  |
| Total                  | 240,084           | 933,421   | 3,902,773   | 206,777   | 1,313,633          | 51,999             |

<sup>1/</sup> There were no imports for 1952, 1957, and January-September, 1960.  
<sup>2/</sup> Preliminary.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 18.—Peanut oil (crude): U.S. exports of domestic merchandise, by principal markets, 1952-59 and January-September 1960

| Country   | 1952        | 1953       | 1954       | 1955       | 1956              | 1957        | 1958 1/    | 1959 1/     | Jan.-Sept. 1960 1/ |
|---|-------------|------------|------------|------------|-------------------|-------------|------------|-------------|--------------------|
|   |             |            |            |            | Quantity (pounds) |             |            |             |                    |
| Netherlands   |             |            |            |            |                   |             |            |             |                    |
| Cuba  | 2,314,890:  |            |            |            | 660,600:          | 4,724,181:  |            | 5,169,572:  |                    |
| France  | 846,440:    |            | 120,720:   |            | 724,180:          | 1,543,400:  | 1,995,800: | 3,383,120:  | 5,226,660          |
| Canada  |             |            |            |            |                   | 3,719,446:  |            | 1,157,415:  |                    |
| United Kingdom  | 1,326,680:  | 334,398:   | 1,082,550: | 30,100:    | 1,204,540:        | 2,919,500:  | 54,000:    | 382,670:    |                    |
| Switzerland   |             |            |            |            |                   | 259,816:    |            | 346,122:    | 578,159            |
| Belgium and Luxembourg  | 6,601,157:  |            | 6,162,112: |            | 654,380:          | 1,677,039:  |            | 217,390:    | 551,153            |
| Algeria   | 60,314:     |            |            |            |                   | 3,483,026:  |            | 220,460:    |                    |
| Chile   |             |            |            |            |                   | 1,366,852:  |            |             |                    |
| Dominican Republic  | 686,067:    | 17,636:    |            |            |                   |             |            |             |                    |
| All other   | 2/ 311,783: | 3/ 19,823: |            | 2/ 21,937: |                   |             |            |             |                    |
| Total   | 12,147,331: | 371,837:   | 8,467,842: | 52,037:    | 3,250,700:        | 20,442,483: | 2,049,800: | 14,056,182: | 6,255,870          |
|   |             |            |            |            | Value             |             |            |             |                    |
| Netherlands   |             |            |            |            |                   |             |            |             |                    |
| Cuba  | \$370,013:  |            |            |            | \$97,108:         | \$698,933:  |            | \$673,068:  |                    |
| France  | 137,633:    |            | \$22,184:  |            | 120,164:          | 276,202:    | \$367,251: | 504,909:    | \$893,706          |
| Canada  |             |            |            |            |                   | 595,063:    |            | 173,250:    |                    |
| United Kingdom  | 214,729:    | \$77,731:  | 188,836:   | \$5,192:   | 178,502:          | 432,875:    | 10,200:    | 110,374:    | 87,144             |
| Switzerland   |             |            | 209,107:   |            |                   | 47,971:     |            | 42,399:     | 76,555             |
| Belgium and Luxembourg  | 1,062,665:  |            | 1,103,476: |            |                   | 282,716:    |            | 31,967:     |                    |
| Algeria   | 6,634:      |            |            |            | 128,969:          | 632,890:    |            | 27,006:     |                    |
| Chile   |             |            |            |            |                   | 218,696:    |            |             |                    |
| Dominican Republic  | 128,260:    | 6,640:     |            |            |                   |             |            |             |                    |
| All other   | 2/ 68,456:  | 3/ 1,784:  |            |            |                   |             |            |             |                    |
| Total   | 1,983,390:  | 86,155:    | 1,523,603: | 2/ 51,155: | 3,281,423:        | 3,281,423:  | 377,451:   | 1,523,674:  | 1,057,100          |
| 1/ Preliminary.   |             |            |            |            |                   |             |            |             |                    |
| 3/ All exports to Colombia.   |             |            |            | 10,347:    | 524,743:          |             |            |             |                    |
| 4/ All exports to Italy.  |             |            |            |            |                   |             |            |             |                    |
| 5/ Includes 1,551,133 pounds, valued at \$196,121, exported to West Germany, and 1,102,300 pounds valued at \$155,983, exported to Morocco. |             |            |            |            |                   |             |            |             |                    |

Source: Compiled from official statistics of the U.S. Department of Commerce.



**Table 19. Peanut oil, refined and semirefined, except deodorized, hydrogenated, and/or winterized: U.S. exports of domestic merchandise, by principal markets, 1952-59 and January-September 1960**

| Country     | 1952              | 1953     | 1954    | 1955     | 1956      | 1957      | 1958     | 1959     | Jan-Sept 1960 |
|-------------|-------------------|----------|---------|----------|-----------|-----------|----------|----------|---------------|
|             | Quantity (pounds) |          |         |          |           |           |          |          |               |
| Vietnam 2/  | -                 | -        | -       | -        | 315,125   | -         | 250,156  | 220,334  | -             |
| Cuba        | 240,413           | -        | -       | 61,000   | 66,250    | 784,040   | 174,960  | 175,750  | 540,020       |
| Iceland     | 157,465           | -        | 7,300   | -        | -         | 1,382     | 9,860    | 9,830    | -             |
| Canada      | 297,943           | 160,042  | 91,190  | 58,520   | 97,215    | 490,397   | 23,829   | 5,048    | -             |
| Venezuela   | 1,534,585         | 14,550   | 154,438 | 466,400  | 266,660   | 1,408,098 | 4,320    | -        | 15,142        |
| Switzerland | 245,366           | -        | -       | -        | 573,978   | 3,082     | -        | -        | 1,662         |
| Netherlands | 111,606           | -        | -       | -        | 220,150   | -         | -        | -        | -             |
| All other   | 245,084           | 27,448   | 27,134  | 23,760   | 49,443    | 16,220    | 79,262   | 21,410   | 12,694        |
| Total       | 2,532,452         | 202,040  | 280,062 | 609,680  | 1,588,821 | 2,703,219 | 542,387  | 432,372  | 569,515       |
|             | Value             |          |         |          |           |           |          |          |               |
| Vietnam 2/  | -                 | -        | -       | -        | \$71,525  | -         | \$52,085 | \$40,499 | -             |
| Cuba        | \$49,429          | -        | \$2,230 | \$13,020 | 13,672    | \$148,415 | 33,397   | 29,740   | \$95,907      |
| Iceland     | 36,317            | -        | -       | -        | -         | 508       | 3,411    | 3,101    | -             |
| Canada      | 61,379            | \$44,201 | 24,220  | 13,345   | 21,392    | 78,337    | 6,393    | 829      | 3,496         |
| Venezuela   | 355,336           | 5,261    | 49,200  | 137,780  | 65,978    | 337,500   | 1,270    | -        | 580           |
| Switzerland | 42,401            | -        | -       | -        | 125,226   | 905       | -        | -        | -             |
| Netherlands | 20,926            | -        | -       | -        | 45,956    | -         | -        | -        | -             |
| All other   | 56,358            | 8,990    | 10,536  | 7,240    | 12,803    | 4,594     | 17,517   | 3,240    | 3,839         |
| Total       | 622,446           | 58,452   | 86,186  | 171,385  | 356,552   | 570,259   | 114,073  | 77,409   | 103,522       |

1/ Preliminary.

2/ Separately classified effective Jan. 1, 1958, reported as Vietnam, Laos, and Cambodia for the years 1955-57. Prior to that date classified as Indochina.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 20.--Peanut oil, crude: Prices of domestic and of foreign oil, 1952-59 and January-October 1960

(In cents per pound)

| Year      | Price of foreign oil,<br>European ports <sup>1/</sup> | Price of domestic oil, f.o.b.<br>southeastern mills <sup>2/</sup> |
|-----------|---|---|
| 1952      | 16.7  | 17.0  |
| 1953      | 17.8  | 21.1  |
| 1954      | 16.9  | 18.2  |
| 1955      | 13.1  | 17.6  |
| 1956      | 16.7  | 15.9  |
| 1957      | 16.5  | 15.1  |
| 1958      | 12.8  | 16.3  |
| 1959      | 13.7  | 12.6  |
| 1960:     |   |   |
| January   | 14.9  | 14.2  |
| February  | 15.5  | 15.6  |
| March     | 15.3  | 14.4  |
| April     | 15.1  | 16.1  |
| May       | 14.7  | 15.8  |
| June      | 14.9  | 16.0  |
| July      | 14.3  | 16.5  |
| August    | 14.6  | 15.8  |
| September | 14.0  | 15.5  |
| October   | 13.7  | 14.8  |

<sup>1/</sup> Average of prices of Indian and African oil, European ports, 1952; 1953 to date, prices of Argentine oil, when quoted, otherwise from the Indian Public Ledger.

<sup>2/</sup> Crude, f.o.b. southeastern mills.

Source: Compiled from official statistics by the U.S. Department of Agriculture, Commodity Stabilization Service, Oils and Peanut Division.