

EVAPORATED, CONDENSED AND DRY MILK

REPORT FOR SEPTEMBER 1968

October 31, 1968

PRODUCTION

EVAPORATED AND CONDENSED MILK: Estimated production of evaporated whole milk in September is 107.5 million pounds, according to the Crop Reporting Board. This output was 3 percent below a year earlier, 23 percent less than the 1962-66 September average and the lowest for the month since 1931. Production during the first nine months this year totaled 1,058.7 million pounds, 13 percent below the same period last year, and 27 percent below average.

September production of canned sweetened condensed whole milk was 6.9 million pounds, about double a year earlier, but 8 percent less than average. January-September output, at 67 million pounds, was 43 percent above the corresponding period last year.

DRY MILK: Spray and roller process nonfat dry milk production was 91 million pounds, down 7 percent from a year earlier and 19 percent below average. The January-September total of 1.3 billion pounds was 3 percent below the same period last year, and 19 percent below average.

Dry whole milk production was 4.9 million pounds, 13 percent above September 1967, but 27 percent below average. Cumulative output for the first nine months was 60 million pounds, up 5 percent from a year earlier.

September production of dry buttermilk totaled 4.5 million pounds--11 percent more than a year earlier, but 13 percent less than average. January-September production, at 58 million pounds, was up 1 percent from 1967.

STOCKS, SHIPMENTS, PURCHASES AND PRICES

EVAPORATED AND CONDENSED MILK: Manufacturers' stocks of evaporated whole milk on September 30 totaled 189 million pounds--35 percent less than a year earlier and 21 percent below average. Canned sweetened condensed whole milk stocks totaled 5.7 million pounds, down 45 percent from September 30, 1967 and 18 percent below average.

Prices paid by condenseries to producers during September averaged \$4.23 per hundredweight for milk having an average milkfat content of 3.90 percent. This is equivalent to \$1.08 per pound of milkfat--2 cents below the preceding month, but 1 cent above September 1967.

Condenseries reported 227 million pounds of whole milk purchased in September from about 30,000 producers. The average daily purchase per producer was 255 pounds, compared with 229 pounds for September 1967.

Evaporated whole milk selling prices reported by manufacturers for September averaged \$7.36 per case of forty-eight 14½ oz. cans, unchanged from a month earlier, but 30 cents above September 1967.

DRY MILK: Stocks of nonfat dry milk for human consumption held by manufacturers on September 30, totaled 107 million pounds--down 20 percent from a year earlier, but 13 percent above average. Dry whole milk stocks, at 8.4 million pounds, were up 15 percent from a year earlier and 46 percent more than average. Dry buttermilk stocks were 2.5 million pounds, 66 percent less than September 30 last year and 54 percent less than average.

September shipments of spray and roller process nonfat dry milk for human food totaled 101.3 million pounds, 14 percent less than in August, but unchanged from September 1967. Movement of spray-dried nonfat totaled 100.1 million pounds. Dry whole milk shipments totaled 6.1 million pounds--an increase of 21 percent from August and 30 percent above September a year earlier. Shipments of dry buttermilk in September were 3.2 million pounds, 7 percent less than a month earlier and 11 percent less than September 1967.

Selling prices for spray and roller process (combined) nonfat dry milk averaged 23.36 cents per pound in September, up 0.1 cent from August, 3.4 cents above a year earlier, and 7.6 cents more than the September average. Prices for dry buttermilk (human food and animal feed combined) averaged 22.69 cents per pound in September, up 0.3 cent from the preceding month and 5.0 cents above a year earlier. Dry whole milk prices for all package and container sizes averaged 44.08 cents per pound, 0.2 cent less than a month earlier, but 4.4 cents more than in September 1967.

* * * *

Table 1.-Production of evaporated whole milk, United States

| Month | 1962-66 Average | 1967 | 1968 <u>1/</u> | Change from -- | |
|--------------------|-----------------------|---------|----------------|----------------|------|
| | | | | 1962-66 Av. | 1967 |
| | <u>Million pounds</u> | | | <u>Percent</u> | |
| January | 127.0 | 104.6 | 86.2 | -32 | -18 |
| February | 124.3 | 103.6 | 85.6 | -31 | -17 |
| March | 145.6 | 120.8 | 96.4 | -34 | -20 |
| April | 166.9 | 148.6 | 125.4 | -25 | -16 |
| May | 205.2 | 170.3 | 146.7 | -29 | -14 |
| June | 200.4 | 172.0 | 138.4 | -31 | -20 |
| July | 175.1 | 152.6 | 138.0 | -21 | -10 |
| August | 165.7 | 139.6 | 134.5 | -19 | - 4 |
| September..... | 138.8 | 110.6 | 107.5 | -23 | - 3 |
| Nine-month total | 1,449.0 | 1,222.7 | 1,058.7 | -27 | -13 |
| October | 130.3 | 95.6 | | | |
| November | 116.8 | 83.7 | | | |
| December | 127.1 | 91.0 | | | |
| Annual total | 1,823.2 | 1,493.0 | | | |

1/ Preliminary.

Table 2.-Production of nonfat dry milk (human food, total), United States

| Month | 1962-66 Average | 1967 | 1968 <u>1/</u> | Change from -- | |
|--------------------|-----------------------|---------|----------------|----------------|------|
| | | | | 1962-66 Av. | 1967 |
| | <u>Million pounds</u> | | | <u>Percent</u> | |
| January | 172.0 | 134.4 | 128.0 | -26 | - 5 |
| February | 166.7 | 129.3 | 128.8 | -23 | 0 |
| March | 191.5 | 145.8 | 145.5 | -24 | 0 |
| April | 206.3 | 174.5 | 169.8 | -18 | - 3 |
| May | 238.0 | 192.6 | 189.2 | -21 | - 2 |
| June | 227.5 | 203.3 | 188.2 | -17 | - 7 |
| July | 171.6 | 159.9 | 152.1 | -11 | - 5 |
| August | 139.4 | 122.8 | 120.3 | -14 | - 2 |
| September | 112.2 | 97.5 | 91.0 | -19 | - 7 |
| Nine-month total | 1,625.2 | 1,360.1 | 1,312.9 | -19 | - 3 |
| October | 117.1 | 98.5 | | | |
| November | 121.5 | 97.4 | | | |
| December | 152.5 | 118.9 | | | |
| Annual total | 2,016.3 | 1,674.9 | | | |

1/ Preliminary.

Table 3.-Evaporated, condensed, and dry milk: Production, September 1968, with comparisons

| Commodity | September 1967 <u>1/</u> | September 1968 <u>2/</u> | | | Jan.-Sept. 1968 <u>2/</u> | |
|--|--------------------------|--------------------------|---------------------------|----------------|---------------------------|-----------------------------|
| | | Total | Change from-- | | Total | Change from Jan.-Sept. 1967 |
| | | | September 1962-66 average | September 1967 | | |
| | 1,000 pounds | 1,000 pounds | Percent | Percent | 1,000 pounds | Percent |
| Evaporated and condensed milk: | | | | | | |
| Evaporated whole (case goods).. | 110,608 | 107,500 | -23 | - 3 | 1,058,700 | -13 |
| Sweetened condensed whole (case goods).. | 3,513 | 6,925 | - 8 | +97 | 67,075 | +43 |
| Dry milk: | | | | | | |
| Dry whole milk..... | 4,336 | 4,900 | -27 | +13 | 60,000 | + 5 |
| Nonfat dry milk (human food): | | | | | | |
| Spray process..... | 95,575 | 89,500 | -16 | - 6 | 1,293,000 | - 3 |
| Roller process..... | 1,922 | 1,500 | -71 | -22 | 19,900 | -32 |
| Total..... | 97,497 | 91,000 | -19 | - 7 | 1,312,900 | - 3 |
| Dry skim milk (animal feed).... | 2,372 | 2,000 | - 2 | -16 | 20,400 | -13 |
| Dry buttermilk..... | 4,072 | 4,500 | -13 | +11 | 58,400 | + 1 |

1/ Enumerations. 2/ Estimates.

Table 4.-Evaporated, condensed, and dry milk: Manufacturers' reported stocks September 30, 1968, with comparisons 1/

| Commodity | Average Sept. 30, 1962-66 | Sept. 30, 1967 <u>2/</u> | September 30, 1968 | | |
|--|---------------------------|--------------------------|--------------------|-----------------------|--------------------|
| | | | Total | Change from--- | |
| | | | | September 30, 1962-66 | September 30, 1967 |
| | 1,000 pounds | 1,000 pounds | 1,000 pounds | Percent | Percent |
| Evaporated and condensed milk: | | | | | |
| Evaporated whole (case goods).. | 239,777 | 292,204 | 188,954 | -21 | -35 |
| Sweetened condensed whole (case goods).. | 6,936 | 10,393 | 5,722 | -18 | -45 |
| Dry milk: | | | | | |
| Dry whole milk..... | 5,760 | 7,350 | 8,437 | +46 | +15 |
| Nonfat dry milk (human food): | | | | | |
| Spray process..... | 90,020 | 130,593 | 105,606 | +17 | -19 |
| Roller process..... | 5,151 | 3,323 | 1,781 | -65 | -46 |
| Total..... | 95,171 | 133,916 | 107,387 | +13 | -20 |
| Dry skim milk (animal feed).... | 1,205 | 2,837 | 1,211 | 0 | -57 |
| Dry buttermilk..... | 5,494 | 7,481 | 2,541 | -54 | -66 |

1/ Stocks held by manufacturers at all points, also those in transit and those contracted for sale but not delivered.

2/ Revised.

Table 5.-Dry milk: Manufacturers' reported shipments at specified price ranges, f.o.b. plant, September 1968 ^{1/}

| Price per pound ^{2/} | Nonfat dry milk, human food (bulk goods) | | Dry skim milk for animal feed | Dry buttermilk | | Dry whole milk ^{4/} |
|-------------------------------|--|----------------|-------------------------------|----------------|-------------|------------------------------|
| | Spray process ^{3/} | Roller process | | Human food | Animal feed | |
| Cents | Pounds | Pounds | Pounds | Pounds | Pounds | Pounds |
| 6½-7 | - | - | 59,841 | - | - | - |
| 8-8½ | - | - | 2,000 | - | - | - |
| 10-10½ | - | - | 28,702 | - | - | - |
| 12-12½ | - | - | 21,000 | - | - | - |
| 13-13½ | - | - | - | - | 1,750 | - |
| 13½-14 | - | - | 55,035 | - | 67,600 | - |
| 14-14½ | - | - | 25,063 | - | - | - |
| 14½-15 | - | - | 13,450 | - | - | - |
| 15-15½ | - | - | 2,609 | - | 11,600 | - |
| 15½-16 | - | - | 20,875 | - | - | - |
| 16-16½ | - | - | - | - | 25,050 | - |
| 16½-17 | - | - | 8,709 | - | 85,700 | - |
| 17-17½ | - | - | 61,550 | - | 9,300 | - |
| 17½-18 | - | - | 14,249 | 2,725 | 42,840 | - |
| 18-18½ | - | - | 44,200 | - | 1,000 | - |
| 18½-19 | 238,100 | - | 6,450 | - | - | - |
| 19-19½ | 874,850 | - | 116,472 | - | - | - |
| 19½-20 | 422,950 | - | 45,164 | - | - | - |
| 20-20½ | 1,945,600 | 165,320 | 110,960 | 46,250 | - | - |
| 20½-21 | 262,410 | - | 74,200 | - | - | - |
| 21-21½ | - | - | - | 13,600 | - | - |
| 21½-22 | - | - | - | 9,350 | - | - |
| 22-22½ | 1,926,586 | 33,230 | - | 128,900 | - | - |
| 22½-23 | 27,870,569 | 144,254 | - | 527,950 | - | - |
| 23-23½ | 13,391,775 | 583,400 | - | 343,200 | - | - |
| 23½-24 | 7,217,797 | - | - | 659,685 | - | - |
| 24-24½ | 10,484,735 | 3,700 | - | 167,800 | - | - |
| 24½-25 | 6,935,627 | 54,514 | - | 52,600 | - | - |
| 25-25½ | 2,162,295 | 34,400 | - | 23,800 | - | - |
| 25½-26 | 3,808,585 | - | - | 110,000 | - | - |
| 26-26½ | - | - | - | 38,300 | - | - |
| 26½-27 | 82,270 | - | - | - | - | - |
| 27-27½ | 2,057 | - | - | - | - | - |
| <hr/> | | | | | | |
| 36½-37½ | - | - | - | - | - | 101,000 |
| 38½-39½ | - | - | - | - | - | 1,463,360 |
| 39½-40½ | - | - | - | - | - | 1,430,511 |
| 40½-41½ | - | - | - | - | - | 274,450 |
| 41½-42½ | - | - | - | - | - | 1,171,089 |
| 42½-43½ | - | - | - | - | - | 207,000 |
| 43½-44½ | - | - | - | - | - | 138,869 |
| 45½-46½ | - | - | - | - | - | 3,417 |
| 47½-48½ | - | - | - | - | - | 134,900 |
| 49½-50½ | - | - | - | - | - | 118,177 |
| 55½-56½ | - | - | - | - | - | 11,066 |
| 57½-58½ | - | - | - | - | - | 391,359 |
| 64½-65½ | - | - | - | - | - | 188,220 |
| 73½-74½ | - | - | - | - | - | 259,143 |

- ^{1/} Excludes shipments for which prices were not reported. For total reported see table 6.
- ^{2/} Classified according to average monthly prices reported by firms.
- ^{3/} Excludes spray-dried nonfat milk sold in packages of retail size.
- ^{4/} Includes some dry whole milk in special packages for export.

Table 6.-Dry milk: Manufacturers' reported shipments, September 1968, with comparisons ^{1/}

| Commodity | Sept. 1967 ^{2/} | Aug. 1968 | September 1968 | | |
|-----------------------------------|-----------------------------|-----------------|-----------------|---------------|-----------|
| | | | Total | Change from-- | |
| | | | | Sept. 1967 | Aug. 1968 |
| | 1,000 pounds | 1,000 pounds | 1,000 pounds | Percent | Percent |
| Dry whole milk..... | 4,680 | 5,047 | 6,082 | +30 | +21 |
| Nonfat dry milk (human food): | | | | | |
| Spray process ^{3/} | 99,683 | 116,711 | 100,132 | 0 | -14 |
| Roller process..... | 1,484 | 1,015 | 1,147 | -23 | +13 |
| Total..... | 101,167 | 117,726 | 101,279 | 0 | -14 |
| Dry skim milk (animal feed)..... | 1,262 | 897 | 750 | -41 | -16 |
| Dry buttermilk: | | | | | |
| For human food..... | 3,338 | 3,218 | 2,966 | -11 | - 8 |
| For animal feed..... | 316 | 284 | 276 | -13 | - 3 |
| Total..... | 3,654 | 3,502 | 3,242 | -11 | - 7 |

- ^{1/} Includes shipments for which prices were not reported.
^{2/} Revised.
^{3/} Excludes spray-dried nonfat milk sold in packages of retail size.

Table 7.-Dry milk: Manufacturers' average selling price per pound f.o.b. plant, September 1968 with comparisons ^{1/}

| Commodity | Sept. 1962-66 | Sept. 1967 | Aug. 1968 | Sept. 1968 |
|---------------------------------------|------------------|---------------|--------------|---------------|
| | Cents | Cents | Cents | Cents |
| Nonfat dry milk: ^{2/} | | | | |
| Spray process ^{3/} | 15.80 | 19.93 | 23.25 | 23.37 |
| Roller process..... | 15.16 | 19.51 | 22.58 | 22.60 |
| Spray and roller..... | 15.77 | 19.92 | 23.24 | 23.36 |
| Dry skim animal feed..... | 12.18 | 14.83 | 18.11 | 16.68 |
| Nonfat and dry skim..... | 15.75 | 19.86 | 23.21 | 23.31 |
| Dry buttermilk: | | | | |
| Human food..... | 15.02 | 18.10 | 22.92 | 23.34 |
| Animal feed..... | 12.37 | 13.25 | 16.76 | 15.74 |
| Human and animal..... | 14.64 | 17.67 | 22.42 | 22.69 |
| Dry whole milk: | | | | |
| Pkgs. over 5 lbs. ^{4/} | 32.89 | 39.32 | 40.99 | 40.83 |
| Total ^{5/} | 37.52 | 39.71 | 44.31 | 44.08 |

- ^{1/} Prices reported by firms weighted by their shipments to derive averages and segments also weighted by shipments to derive combined prices.
^{2/} Average of prices for shipments in bulk packages such as barrels, drums, and bags.
^{3/} Excludes spray-dried nonfat milk sold in packages of retail size.
^{4/} Includes barrels and drums.
^{5/} All size packages, including 1-2½ lb. pkgs. and 5-lb. pkgs.

Table 8.-Evaporated whole milk: Manufacturers' average selling price per case of 48 1½-oz. cans, in cartons, by geographic divisions, September 1968, with comparisons 1/

| Geographic division | September 1967 | August 1968 | September 1968 |
|-------------------------|----------------|-------------|----------------|
| | Dollars | Dollars | Dollars |
| New England..... | 7.18 | 7.44 | 7.44 |
| Middle Atlantic..... | 6.97 | 7.24 | 7.24 |
| South Atlantic..... | 7.08 | 7.38 | 7.38 |
| East North Central..... | 6.98 | 7.25 | 7.25 |
| West North Central..... | 7.01 | 7.27 | 7.27 |
| South Central..... | 7.12 | 7.43 | 7.42 |
| North Western 2/..... | 7.35 | 7.81 | 7.81 |
| South Western 3/..... | 6.98 | 7.29 | 7.29 |
| United States..... | 7.06 | 7.36 | 7.36 |

1/ Manufacturers' prices are based on the reports made by manufacturers covering actual sales of goods delivered at manufacturers' distributing points on the basis of cash or short-time credit.

2/ Includes Montana, Wyoming, Idaho, Washington, and Oregon.

3/ Includes Colorado, New Mexico, Arizona, Nevada, Utah, and California.

Table 9.-Milk bought by condenseries primarily for evaporated milk: Average price and fat test, by States, September 1968, with comparisons 1/

| State and division | September 1967 2/ | | | August 1968 3/ | | | September 1968 3/ | | |
|--------------------|---------------------------|---------|-----------------|---------------------------|---------|-----------------|---------------------------|---------|-----------------|
| | Milk price per 100 pounds | Milkfat | | Milk price per 100 pounds | Milkfat | | Milk price per 100 pounds | Milkfat | |
| | | Test | Price per pound | | Test | Price per pound | | Test | Price per pound |
| | Dollars | Percent | Dollars | Dollars | Percent | Dollars | Dollars | Percent | Dollars |
| Md. | 4.30 | 4.05 | 1.06 | 4.29 | 3.85 | 1.11 | 4.38 | 3.99 | 1.10 |
| Va. | 4.09 | 4.14 | .99 | 4.14 | 3.91 | 1.06 | 4.16 | 4.09 | 1.02 |
| S. Atl. 4/ | 4.22 | 4.18 | 1.01 | 4.21 | 3.94 | 1.07 | 4.27 | 4.12 | 1.04 |
| Ohio..... | 4.07 | 3.85 | 1.06 | 4.13 | 3.72 | 1.11 | 4.17 | 3.78 | 1.10 |
| Ind. | 4.14 | 3.81 | 1.09 | 4.39 | 3.71 | 1.18 | 4.43 | 3.80 | 1.17 |
| Mich. | 4.05 | 3.70 | 1.09 | 4.20 | 3.54 | 1.19 | 4.25 | 3.65 | 1.16 |
| Wis. | 4.20 | 3.67 | 1.14 | 4.36 | 3.56 | 1.22 | 4.48 | 3.68 | 1.22 |
| E.N.C. 4/ | 4.10 | 3.74 | 1.10 | 4.24 | 3.61 | 1.17 | 4.30 | 3.71 | 1.16 |
| Mo. | 4.08 | 4.02 | 1.01 | 4.06 | 3.79 | 1.07 | 4.13 | 3.96 | 1.04 |
| Kans. | 3.97 | 3.71 | 1.07 | 3.96 | 3.67 | 1.08 | 4.08 | 3.81 | 1.07 |
| W.N.C. | 4.05 | 3.94 | 1.03 | 4.05 | 3.78 | 1.07 | 4.12 | 3.95 | 1.04 |
| Ky. | 4.10 | 4.17 | .98 | 4.02 | 3.84 | 1.05 | 4.15 | 4.05 | 1.02 |
| Tenn. | 4.13 | 4.20 | .98 | 4.05 | 3.93 | 1.03 | 4.20 | 4.16 | 1.01 |
| Miss. | 4.20 | 4.34 | .97 | 4.23 | 3.98 | 1.06 | 4.27 | 4.24 | 1.01 |
| Ark. | 4.13 | 4.10 | 1.01 | 4.04 | 3.72 | 1.09 | 4.16 | 3.93 | 1.06 |
| S. Cent. | 4.12 | 4.19 | .98 | 4.05 | 3.87 | 1.05 | 4.18 | 4.09 | 1.02 |
| Calif. ... | 3.99 | 3.67 | 1.09 | 4.25 | 3.61 | 1.18 | 4.33 | 4.68 | 1.18 |
| S.W. 4/... | 4.05 | 3.63 | 1.12 | 4.19 | 3.58 | 1.17 | 4.29 | 3.67 | 1.17 |
| U.S. 4/... | 4.10 | 3.95 | 1.04 | 4.14 | 3.75 | 1.10 | 4.23 | 3.90 | 1.08 |

1/ Prices f.o.b. plant for milk of actual milkfat content as reported.

2/ Revised.

3/ Preliminary.

4/ Includes data for some regions and/or States not shown separately.

UNITED STATES DEPARTMENT OF AGRICULTURE
 STATISTICAL REPORTING SERVICE
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POSTAGE AND FEES PAID
 U. S. DEPARTMENT OF AGRICULTURE

OFFICIAL BUSINESS

Table 10.-Milk bought by condenseries: Quantity bought, and number of producers, September 1968, with comparisons 1/

| Item | Average September 1962-66 | September 1967 2/ | September 1968 |
|---------------------------------------|---------------------------------|-------------------------|-------------------|
| Milk bought from producers.... pounds | 356,260,000 | 265,152,000 | 226,859,000 |
| Producers number | 60,000 | 39,000 | 30,000 |
| Average per producer per day pounds | 197.9 | 229.1 | 255.4 |
| Change in purchases per producer: | | | |
| 1968 from 1967..... percent | xxxxx | xxxxx | +11.5 |
| 1968 from 5-year average.... percent | xxxxx | xxxxx | +29.1 |

1/ Reported milk purchases at those plants (or their receiving stations) with canning equipment for which historical data are available. In some periods a part or all of the milk received at such plants may be used for purposes other than the manufacture of canned milk.

2/ Revised.

Table 11.-USDA Nonfat Dry Milk Purchases as Reported by ASCS
 - Delivery basis -

| Nonfat dry milk | September 1968 | Cumulative | |
|-----------------|--------------------|---------------------------------------|---------------------------------------|
| | | April 1, 1967 - September 30, 1967 | April 1, 1968 - September 30, 1968 |
| | <u>Mil. pounds</u> | <u>Mil. pounds</u> | <u>Mil. pounds</u> |
| Purchases..... | 28.2 | 380.0 | 332.9 |

Uncommitted inventories on October 18, 1968 totaled 172.2 million pounds.