

EVAPORATED, CONDENSED, AND DRY MILK REPORT

For September 1957
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DRY MILK

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Production of total nonfat dry milk for human food during September was 4 percent above a year earlier and the highest of record for the month, the Agricultural Marketing Service reports. September dry whole milk production was down 20 percent from a year earlier and dry buttermilk was down 2 percent.

Total nonfat dry milk production for human food equaled 89,500,000 pounds compared with 86,443,000 pounds a year earlier and the 1951-55 September average of 64,645,000 pounds. Production of spray-dried nonfat milk totaled 83,600,000 pounds during September, the highest of record for the month and up 5 percent and 53 percent, respectively, from a year earlier and the average. Roller-dried nonfat milk output, at 5,900,000 pounds, was the lowest of record for the month and down 16 percent from a year earlier and 42 percent from the 1951-55 September average.

Cumulative production data for the first 9 months of the year are being omitted since the enumerated production of dairy products for 1956 was available too late to complete the revision of the estimates for 1957. These revisions will appear in the report for October 1957.

September production of dry whole milk equaled 6,700,000 pounds, 20 percent and 13 percent less, respectively, than a year earlier and the average. Dry buttermilk output for September totaled 4,000,000 pounds, 2 percent below a year earlier but 17 percent above the 1951-55 average. Production of dry skim milk for animal feed totaled 1,100,000 pounds, 35 percent more than September 1956 but 9 percent less than the average.

Manufacturers' reported stocks of total nonfat dry milk for human food on September 30 equaled 93,573,000 pounds, down 5 percent from a year earlier and 7 percent from the average. Stocks of spray-dried nonfat milk totaled 79,882,000 pounds, up 6 percent and 2 percent, respectively, from a year earlier and the September 30 average. Roller-dried nonfat milk stocks, at 13,691,000 pounds, dropped 41 percent from September 30 last year and 40 percent from the average for the date.

Stocks of dry whole milk reported by manufacturers for September 30 were 11,061,000 pounds, a decline of 16 percent from a year earlier and 31 percent from the average. Dry buttermilk stocks equaled 5,570,000 pounds, 3 percent more than a year earlier but 36 percent less than the 1951-55 September 30 average. Manufacturers' stocks of dry skim milk for animal feed totaled 1,292,000 pounds, down 18 percent from September 30 last year and 52 percent from the average.

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Table 1.-Dry milk: Manufacturers' reported shipments at specified price ranges, f.o.b. plant, September 1957

| Price per pound ^{1/} | Nonfat dry milk, human food (bulk goods) | | Dry skim milk for animal feed | Dry buttermilk | |
|-------------------------------|--|------------------|--|--------------------------|----------------|
| | Spray process ^{2/} | Roller process | | Human food | Animal feed |
| Cents | Pounds | Pounds | Pounds | Pounds | Pounds |
| 6 - 6½..... | - | - | - | - | 39,175 |
| 6½- 7..... | - | - | - | - | 5,800 |
| 7 - 7½..... | - | - | - | - | 24,250 |
| 7½- 8..... | - | - | 34,117 | - | 148,950 |
| 8 - 8½..... | - | - | 76,919 | - | 500,868 |
| 8½- 9..... | - | - | 6,896 | - | 32,210 |
| 9 - 9½..... | - | - | 130,367 | - | 88,903 |
| 9½-10..... | - | - | 57,469 | - | - |
| 10 -10½..... | - | - | 141,531 | - | - |
| 10½-11..... | - | - | 19,600 | - | - |
| 11 -11½..... | - | - | 50,986 | - | 2,200 |
| 12 -12½..... | - | 59,131 | 8,364 | 72,100 | - |
| 12½-13..... | - | 78,152 | - | 47,600 | - |
| 13 -13½..... | - | 2,665,110 | 8,065 | 344,350 | - |
| 13½-14..... | 849,039 | 2,160,246 | - | 175,010 | - |
| 14 -14½..... | 2,514,797 | 1,392,945 | - | 945,833 | - |
| 14½-15..... | 3,696,665 | 730,789 | - | 97,250 | - |
| 15 -15½..... | 24,737,248 | 908,225 | - | 263,050 | - |
| 15½-16..... | 13,223,213 | 1,000 | - | 46,650 | - |
| 16 -16½..... | 11,208,000 | - | - | 279,688 | - |
| 16½-17..... | 1,819,824 | - | - | - | - |
| 17 -17½..... | 863,711 | - | - | 199,455 | - |
| 17½-18..... | - | - | - | 5,300 | - |
| 18 -18½..... | 134,942 | - | - | 6,300 | - |
| 18½-19..... | - | - | - | 15,000 | - |
| Total | 59,047,439 | 7,995,598 | 534,314 | 2,797,586 | 842,356 |
| Total human food | 67,043,037 | - | - | 2,797,586 | - |
| Total human & animal | 67,577,351 | | | 3,639,942 | |
| Dry whole milk ^{3/} | | | | | |
| | 1-2½ lb. packages | 5-lb. packages | All other packages including bbls. & drums | Total reported shipments | |
| | Pounds | Pounds | Pounds | Pounds | |
| 29½-30½..... | - | - | 21,200 | 21,200 | |
| 30½-31½..... | - | - | 799,050 | 799,050 | |
| 31½-32½..... | - | - | 954,749 | 954,749 | |
| 32½-33½..... | - | - | 163,184 | 163,184 | |
| 35½-36½..... | - | - | 14,800 | 14,800 | |
| 36½-37½..... | 441,504 | 160,800 | - | 602,304 | |
| 37½-38½..... | - | 214,125 | 592,480 | 806,605 | |
| 38½-39½..... | - | 7,065 | 36,455 | 43,520 | |
| 41½-42½..... | - | 22,590 | - | 22,590 | |
| 42½-43½..... | 3,024 | 1,465,278 | - | 1,468,302 | |
| 43½-44½..... | - | 9,935 | - | 9,935 | |
| 45½-46½..... | 2,839 | - | - | 2,839 | |
| 47½-48½..... | 143,589 | - | - | 143,589 | |
| 48½-49½..... | 1,549,740 | - | - | 1,549,740 | |
| Total | 2,140,696 | 1,879,793 | 2,581,918 | 6,602,407 | |

^{1/} Classified according to average monthly prices reported by firms.
^{2/} Excludes spray-dried nonfat milk sold in retail packages.
^{3/} Includes some dry whole milk in special packages for export.

Table 2.--Dry milk: Manufacturers' average selling price per pound, f.o.b. plant, September, 1957, with comparisons

| Month | Nonfat dry milk | | | | | Dry buttermilk | | | Dry whole milk | | | |
|------------------|-----------------|----------------|------------------|-------------------|-------------------|----------------|-------------|------------------|------------------|---------------|----------------|-----------------|
| | Spray process | Roller process | Spray and roller | Dry skim an. feed | Nonfat & dry skim | Human food | Animal feed | Human and Animal | 1-2½ pound pkgs. | 5-pound pkgs. | Other pkgs. 1/ | Total shipments |
| | Cents | Cents | Cents | Cents | Cents | Cents | Cents | Cents | Cents | Cents | Cents | Cents |
| Sept. 1951-55... | 15.74 | 14.00 | 15.41 | 10.19 | 15.35 | 13.77 | 9.37 | 12.06 | 46.70 | 41.94 | 35.89 | 41.31 |
| September 1956.. | 15.45 | 13.49 | 15.17 | 9.86 | 15.13 | 14.19 | 7.79 | 12.59 | 42.55 | 39.28 | 32.80 | 38.33 |
| August 1957..... | 215.51 | 13.74 | 15.30 | 10.24 | 15.26 | 14.25 | 7.72 | 12.49 | 46.01 | 40.97 | 32.46 | 41.24 |
| September 1957.. | 215.47 | 13.86 | 15.28 | 9.51 | 15.23 | 14.48 | 7.99 | 12.98 | 46.66 | 41.91 | 33.28 | 40.08 |

1/ Includes barrels and drums.

2/ Excludes spray-dried nonfat milk sold in retail packages.

Table 3.--Evaporated whole milk: Manufacturers' average selling price per case of 48 1½-oz. cans, in carlots, by geographic divisions, September 1957, with comparisons 1/

| Geographic division | September 1956 | August 1957 | September 1957 |
|-------------------------|----------------|-------------|----------------|
| | Dollars | Dollars | Dollars |
| New England..... | 5.92 | 6.03 | 6.03 |
| Middle Atlantic..... | 5.89 | 6.01 | 6.00 |
| South Atlantic..... | 5.92 | 6.03 | 6.03 |
| East North Central..... | 5.84 | 5.97 | 5.96 |
| West North Central..... | 5.96 | 6.08 | 6.08 |
| South Central..... | 5.99 | 6.13 | 6.14 |
| North Western..... | 6.02 | 6.18 | 6.18 |
| South Western..... | 6.05 | 6.20 | 6.20 |
| United States..... | 5.93 | 6.06 | 6.06 |

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.

Average price paid for entire month of Sept. by 12 Midwest condenseries used in determining class prices under the Chicago Milk Marketing Order:

Price per cwt.
Chicago - \$ 3.096

Average prices received f.o.b. plants for nonfat dry milk in the Chicago area covering the States of Illinois, Indiana, Michigan, Minnesota, and Wisconsin for the period Aug. 26, 1957 through Sept. 25, 1957 were:

Cents per pound
Spray - 15.25
Roller - 13.46

Table 4.-Milk bought by condenseries primarily for evaporated milk: Average price and fat test, by States, September 1957, with comparisons ^{1/}

| State and division | September 1956 | | | August 1957 | | | September 1957 | | |
|-----------------------|---------------------------|---------|-----------------|---------------------------|---------|-----------------|---------------------------|---------|-----------------|
| | 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 |
| Pa..... | 3.44 | 3.93 | .88 | 3.21 | 3.70 | .87 | 3.31 | 3.82 | .87 |
| M.Atl. ^{2/} | 3.44 | 3.93 | .88 | 3.22 | 3.70 | .87 | 3.33 | 3.82 | .87 |
| Md..... | 3.61 | 4.31 | .84 | 3.43 | 4.06 | .84 | 3.66 | 4.22 | .87 |
| Va..... | 3.54 | 4.64 | .76 | 3.39 | 4.34 | .78 | 3.66 | 4.58 | .80 |
| S.Atl. ^{2/} | 3.55 | 4.55 | .78 | 3.38 | 4.31 | .78 | 3.60 | 4.51 | .80 |
| Ohio..... | 3.53 | 4.00 | .88 | 3.23 | 3.84 | .84 | 3.36 | 3.96 | .85 |
| Ind..... | 3.61 | 4.05 | .89 | 3.27 | 3.85 | .85 | 3.37 | 3.99 | .84 |
| Ill..... | 3.21 | 3.78 | .85 | 3.08 | 3.64 | .85 | 3.17 | 3.72 | .85 |
| Mich..... | 3.51 | 3.87 | .91 | 3.19 | 3.69 | .86 | 3.33 | 3.87 | .86 |
| Wis..... | 3.39 | 3.81 | .89 | 3.23 | 3.66 | .88 | 3.38 | 3.81 | .89 |
| E.N.C.... | 3.44 | 3.89 | .88 | 3.21 | 3.72 | .86 | 3.34 | 3.86 | .87 |
| Mo..... | 3.51 | 4.52 | .78 | 3.31 | 4.16 | .80 | 3.57 | 4.51 | .79 |
| Kans..... | 3.26 | 4.08 | .80 | 3.17 | 3.86 | .82 | 3.36 | 4.10 | .82 |
| W.N.C. ^{2/} | 3.40 | 4.21 | .81 | 3.26 | 3.95 | .83 | 3.45 | 4.19 | .82 |
| Ky..... | 3.49 | 4.65 | .75 | 3.22 | 4.33 | .74 | 3.43 | 4.57 | .75 |
| Tenn..... | 3.54 | 4.67 | .76 | 3.37 | 4.43 | .76 | 3.52 | 4.62 | .76 |
| Ala..... | 3.59 | 4.73 | .76 | 3.26 | 4.32 | .75 | 3.45 | 4.58 | .75 |
| Miss..... | 3.51 | 4.72 | .74 | 3.28 | 4.40 | .75 | 3.47 | 4.65 | .75 |
| Ark..... | 3.47 | 4.47 | .78 | 3.33 | 4.23 | .79 | 3.57 | 4.50 | .79 |
| S.Cent. ^{2/} | 3.51 | 4.64 | .76 | 3.30 | 4.36 | .76 | 3.49 | 4.59 | .76 |
| Idaho..... | *3.52 | *3.91 | .90 | 3.35 | 3.72 | .90 | 3.53 | 3.85 | .92 |
| Wash..... | 3.48 | 4.33 | .80 | 3.44 | 4.13 | .83 | 3.56 | 4.29 | .83 |
| Oreg..... | 3.70 | 4.25 | .87 | 3.55 | 4.07 | .87 | 3.69 | 4.22 | .87 |
| N.W..... | *3.54 | *4.08 | .87 | 3.41 | 3.88 | .88 | 3.57 | 4.01 | .89 |
| Utah..... | 3.12 | 3.50 | .89 | 2.95 | 3.35 | .88 | 3.14 | 3.51 | .89 |
| Calif..... | 3.61 | 3.97 | .91 | 3.44 | 3.83 | .90 | 3.58 | 3.93 | .91 |
| S.W. ^{2/} .. | *3.55 | *3.91 | .91 | 3.37 | 3.77 | .89 | 3.52 | 3.87 | .91 |
| U.S. ^{2/} .. | 3.48 | 4.19 | .83 | 3.28 | 3.99 | .82 | 3.44 | 4.16 | .83 |

^{1/} Preliminary. Prices f.o.b. plant for milk of actual milkfat, as reported.

^{2/} Includes prices for some States not shown separately.

* Revised.

Table 5.-Milk bought by condenseries: Quantity bought, and number of producers, September 1957, with comparisons ^{1/}

| Item | Average | | |
|--|-------------------|----------------|----------------|
| | September 1951-55 | September 1956 | September 1957 |
| Milk bought from producers.....pounds | 512,337,000 | 504,579,000 | 486,919,000 |
| Producers.....number | 148,000 | 126,000 | 118,000 |
| Average per producer per day....pounds | 115.4 | 133.5 | 137.5 |
| Change in purchases per producer: | | | |
| 1957 from 1956.....percent | xxxxx | xxxxx | + 3.0 |
| 1957 from 5-year average.....percent | xxxxx | xxxxx | + 19.2 |

^{1/} Reported milk purchases at plants (or their receiving stations) which have canning equipment. 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.

Table 6.-Evaporated, condensed, and dry milk: Production September 1957, with comparisons

| Commodity | Sept. 1956 ^{1/} | September 1957 ^{2/} | | | Jan.-Sept. 1957 | | |
|---------------------------------------|--------------------------|------------------------------|-----------------------|------------|---|-----------------------------|--|
| | | Total | Change from -- | | Total | Change from Jan.-Sept. 1956 | |
| | | | Sept. 1951-55 average | Sept. 1956 | | | |
| | 1,000 pounds | 1,000 pounds | Percent | Percent | 1,000 pounds | Percent | |
| Evaporated and condensed milk: | | | | | | | |
| Evaporated whole (case goods)... | 189,258 | 170,900 | - 13 | - 10 | Cumulative totals and percent changes omitted because the Enumeration of Manufactured Dairy Products for 1956 was available too late for use in the revision of estimates for January through September 1957. | | |
| Condensed whole (case goods)... | 6,334 | 3,950 | + 37 | - 38 | | | |
| Dry milk: | | | | | | | |
| Dry whole milk..... | 8,370 | 6,700 | - 13 | - 20 | | | |
| Nonfat dry milk: | | | | | | | |
| Human food, spray process... | 79,388 | 83,600 | + 53 | + 5 | | | |
| Human food, roller process.. | 7,055 | 5,900 | - 42 | - 16 | | | |
| Total (human food)..... | 86,443 | 89,500 | + 38 | + 4 | | | |
| Dry skim milk (animal feed).. | 813 | 1,100 | - 9 | + 35 | | | |
| Dry buttermilk..... | 4,079 | 4,000 | + 17 | - 2 | | | |

^{1/} Enumerations.
^{2/} Estimates.

Table 7.-Evaporated, condensed, and dry milk: Manufacturers' stocks September 30, 1957, with comparisons ^{1/}

| Commodity | Average September 30, 1951-55 | September 30, 1956 ^{2/} | September 30, 1957 | | |
|---------------------------------------|-------------------------------|----------------------------------|--------------------|---------------------------|--------------------|
| | | | Total | Change from -- | |
| | | | | September 30, 1951-55 av. | September 30, 1956 |
| | 1,000 pounds | 1,000 pounds | 1,000 pounds | Percent | Percent |
| Evaporated and condensed milk: | | | | | |
| Evaporated whole (case goods).... | 465,831 | 425,545 | 428,868 | - 8 | + 1 |
| Condensed whole (case goods)..... | 5,920 | 8,761 | 7,533 | + 27 | - 14 |
| Dry milk: | | | | | |
| Dry whole milk..... | 15,984 | 13,118 | 11,061 | - 31 | - 16 |
| Nonfat dry milk (human food): | | | | | |
| Spray process..... | 78,064 | 75,468 | 79,882 | + 2 | + 6 |
| Roller process..... | 22,679 | 23,254 | 13,691 | - 40 | - 41 |
| Total..... | 100,743 | 98,722 | 93,573 | - 7 | - 5 |
| Dry skim milk (animal feed)..... | 2,670 | 1,581 | 1,292 | - 52 | - 18 |
| Dry buttermilk..... | 8,695 | 5,417 | 5,570 | - 36 | + 3 |

^{1/} Stocks held by manufacturers at all points, also those in transit and those contracted for sale but not delivered.
^{2/} Revised to include late reports.

(Continued from page 1)

Sales of nonfat dry milk for September as shown by reporting manufacturers equaled 67,043,000 pounds, 19 percent lower than the preceding month but 4 percent higher than a year earlier. Dry whole milk sales were reported at 6,602,000 pounds, a decline of 3 percent from the previous month and 16 percent from September 1956. Manufacturers' sales of dry buttermilk during September, at 3,640,000 pounds, increased 26 percent from the preceding month and 60 percent from a year earlier. Dry buttermilk sold for human food represented 77 percent of total dry buttermilk sales during September.

Manufacturers' selling prices of all nonfat dry milk during September averaged 15.28 cents per pound, slightly below the previous month but one-tenth cent above a year earlier. Prices of spray-dried nonfat milk averaged 15.47 cents per pound compared with 15.51 cents the preceding month and 15.45 cents in September 1956. Roller-dried nonfat milk averaged 13.86 cents per pound in September, up one-tenth cent from the previous month and four-tenths cent from a year earlier.

Sales by manufacturers of dry whole milk in all sizes of packages averaged 40.88 cents per pound, 1.2 cents lower than the preceding month but 1.8 cents higher than September 1956. In 1-2½ pound packages, prices averaged 46.66 cents per pound during September, an increase of two-thirds cent and 4.1 cents, respectively, from the previous month and a year earlier. Prices of 5-pound packages averaged 41.91 cents per pound, up nine-tenths cent from August 1957 and 2.6 cents from a year earlier. In miscellaneous large packages, mostly barrels and drums, prices average 33.28 cents per pound during September, an advance of eight-tenths cent from the preceding month and one-half cent from a year earlier.

Combining both human food and animal feed for dry buttermilk, the September price averaged 12.98 cents per pound, one-half cent and four-tenths cent more, respectively, than the previous month and a year earlier. Selling prices of dry skim milk for animal feed averaged 9.51 cents per pound, down three-fourths cent from the preceding month and one-third cent from September 1956.

U. S. Department of Agriculture purchases of nonfat dry milk for price support and Section 32 purposes in October through the 28th totaled 12,078,000 pounds. September purchases were 54,806,000 pounds and for the marketing year beginning April 1, 1957 through October 28th, purchases totaled 475,088,000 pounds. The Government held 50,509,000 pounds of uncommitted supplies of nonfat dry milk on October 23. There have been no sales of nonfat dry milk back to the trade for domestic human food use in the marketing year beginning April 1, 1957. The Department sold 1,421,000 pounds of nonfat dry milk for animal and poultry feed back to the trade in October through the 23rd, 1,479,000 pounds for the month of September and 11,656,000 pounds from April 1, 1957 through October 23.

EVAPORATED AND CONDENSED MILK

September production of evaporated whole milk was 170,900,000 pounds, lowest for the month since 1953, down 10 percent from a year earlier and 13 percent from the September 1951-55 average, the Agricultural Marketing Service reports. Present production was the second lowest for the month in the past 18 years -- the low point being September 1953. Cumulative production for the first 9 months of the year is not being shown this month because enumerated data were not available in sufficient time to set up revised estimates for the earlier months of 1957.

Output of canned condensed whole milk for September was 3,950,000 pounds. This represents a contra-seasonal gain from the preceding month of 22 percent but is 38 percent below a year earlier and 37 percent above the 5-year average for the month.

Manufacturers' stocks of evaporated milk, at 428,868,000 pounds for September 30, were the highest for the date since 1953, up 1 percent from a year earlier but a decline of 8 percent from the 5-year average for the date. Holdings of canned condensed whole milk were 7,533,000 pounds on September 30, a decline of 14 percent from a year earlier but a gain of 27 percent from the 1951-55 average for the date.

Selling prices of canned evaporated milk at \$6.06 per case of 48 14½-oz. cans were unchanged for the third consecutive month but were 13 cents higher than the price in September a year earlier. Changes from the preceding month in prices by regions ranged from a decline of 1 cent per case in the Middle Atlantic and the East North Central to a gain of 1 cent in the South Central region. All other regions showed unchanged prices from August to September.

Prices paid by condenseries for milk f.o.b. plant for September averaged \$3.44 per hundredweight for milk testing 4.16 percent milkfat or an average price per pound of milkfat of 83 cents. This price per pound of milkfat is 1 cent higher than in the preceding month but unchanged from a year earlier. For the month of September prices per pound of milkfat by States ranged from 75 cents in Kentucky, Alabama, and Mississippi to as high as 92 cents in Idaho.

Purchases of milk by condenseries during September totaled 486,919,000 pounds and were made from approximately 118,000 producers. The average daily purchase per producer was 137.5 pounds, a gain of 3 percent from a year earlier and 19 percent from the 5-year average for the month.