

EVAPORATED, CONDENSED, AND DRY MILK REPORT
For December 1957

LIBRARY

Washington, D. C.
January 31, 1958

4D
9282
U42
USA

FEB 12 1958

DRY MILK

Production of total nonfat dry milk for human food during 1957 estimated at 1,692,810,000 pounds, was 10 percent above the previous record high of 1,544,581,000 pounds established in 1956, the Agricultural Marketing Service reports. This is the fifth consecutive year that a record high has been established for this product. Dry whole milk production was down 13 percent from 1956 and dry buttermilk was up 8 percent.

December production of total nonfat dry milk for human food equaled 127,700,000 pounds, a record high for the month, 7 and 60 percent higher, respectively, than that of a year earlier and the average. The 1957 annual output of spray-dried nonfat milk was a record 1,548,000,000 pounds, 13 percent larger than for 1956, the previous high. Spray-dried nonfat milk production during December was 119,000,000 pounds, a record high for the month and an increase of 8 percent from that of a year earlier and 75 percent above the average. Production of roller-dried nonfat milk during 1957 equaled 144,810,000 pounds, or 15 percent below the previous year. The December output was 8,700,000 pounds, 2 and 24 percent smaller, respectively, than that of a year earlier and the 1951-55 average.

The 1957 production of dry whole milk totaled 97,300,000 pounds, 13 percent less than that for 1956. Output for December was 8,400,000 pounds, 8 percent lower than that of a year earlier but 14 percent higher than the 1951-55 average for the month.

Dry buttermilk production for 1957 was estimated at 69,200,000 pounds, 8 percent more than that for 1956. December output, at 5,500,000 pounds, was the highest of record for the month and was up 18 percent from a year earlier and 43 percent from the December average.

Production of dry skim milk for animal feed during 1957 totaled 15,700,000 pounds, a decrease of 1 percent from 1956. Output during December totaled 1,050,000 pounds, up 6 percent from a year earlier but down 12 percent from the average.

Manufacturers' reported stocks of total nonfat dry milk for human food on December 31 equaled 74,480,000 pounds, 7 percent higher than a year earlier but 1 percent lower than the average for that date. Stocks of spray-dried nonfat milk totaled 66,655,000 pounds, up 12 and 8 percent, respectively, from a year earlier and the 1951-55 December 31 average. Roller-dried nonfat milk stocks, at 7,825,000 pounds, were 21 percent below December 31, 1956 and 43 percent below the average.

(Continued on page 6)

Table 1.-Dry milk: Manufacturers' reported shipments at specified price ranges, f.o.b. plant, December 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
<u>Cents</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>
6½-7	-	-	-	-	22,800
7-7½	-	-	5,532	-	1,925
7½-8	-	-	2,675	-	227,600
8-8½	-	-	40,096	-	152,200
8½-9	-	-	3,900	-	132,600
9-9½	-	-	103,665	-	79,138
9½-10	-	-	58,529	-	23,075
10-10½	-	-	107,902	-	5,050
10½-11	-	-	130,353	-	3,080
11-11½	-	-	89,520	-	7,550
11½-12	-	-	-	14,800	-
12-12½	-	14,750	10,741	39,500	-
12½-13	-	146,085	5,055	6,250	-
13-13½	-	462,180	6,700	11,000	-
13½-14	782,884	3,178,676	-	656,716	-
14-14½	1,342,148	2,024,175	-	230,100	-
14½-15	3,206,443	671,527	-	604,350	-
15-15½	28,007,216	514,775	-	379,260	-
15½-16	17,931,209	17,700	-	13,500	-
16-16½	10,823,086	-	-	279,568	-
16½-17	2,242,950	-	-	27,000	-
17-17½	1,890,931	-	-	17,800	-
17½-18	-	-	-	128,650	-
18-18½	-	-	-	40,100	-
18½-19	-	-	-	11,000	-
Total	66,226,867	7,029,868	564,668	2,459,594	655,018
Total human food	73,256,735			2,459,594	
Total human & animal		73,821,403		3,114,612	
Dry whole milk ^{3/}					
	1-2½ lb. packages 5-lb. packages		All other packages including bbls. & drums	Total reported shipments	
	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	
30½-31½	-	-	682,355	682,355	
31½-32½	-	-	876,010	876,010	
32½-33½	-	-	324,970	324,970	
33½-34½	-	-	174,590	174,590	
35½-36½	-	-	19,800	19,800	
36½-37½	-	-	328,096	328,096	
37½-38½	519,048	384,115	-	903,163	
38½-39½	5,161	-	-	5,161	
41½-42½	-	1,626,939	-	1,626,939	
42½-43½	-	29,880	-	29,880	
44½-45½	7,494	-	-	7,494	
45½-46½	2,946,424	-	-	2,946,424	
48½-49½	165,150	-	-	165,150	
Total	3,643,277	2,040,934	2,405,821	8,090,032	

^{1/} Classified according to average monthly prices reported by firms.

^{2/} Excludes spray-dried nonfat milk sold in packages of retail size.

^{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, December 1957

Month	Nonfat dry milk			Dry skim an. feed	Nonfat & dry skim	Dry buttermilk			Dry whole milk			
	Spray process	Roller process	Spray and roller			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
December 1951-55	15.79	14.31	15.54	10.63	15.49	14.14	9.89	12.33	46.05	42.15	36.36	42.16
December 1956..	15.49	13.57	15.22	9.62	15.17	14.22	8.09	12.77	45.61	40.24	32.66	39.08
November 1957..	2/15.50	14.27	15.35	10.07	15.30	14.37	8.33	13.27	45.30	41.03	32.54	39.58
December 1957..	2/15.51	13.99	15.37	10.03	15.33	14.85	8.27	13.47	45.31	41.61	32.73	40.63

1/ Includes barrels and drums.

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

Table 3.- Evaporated whole milk: Manufacturers' average selling price per case of 48 14½-oz. cans, in carlots, by geographic divisions, December 1957 1/

Geographic division	December 1956	November 1957	December 1957
	Dollars	Dollars	Dollars
New England.....	5.92	6.05	6.08
Middle Atlantic.....	5.89	6.01	6.07
South Atlantic.....	5.92	6.05	6.12
East North Central.....	5.84	5.98	6.04
West North Central.....	5.96	6.12	6.17
South Central.....	5.99	6.14	6.19
North Western.....	6.04	6.23	6.26
South Western.....	6.05	6.25	6.30
United States.....	5.93	6.08	6.14

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 December by 12 Midwest condenseries used in determining class prices under the Chicago Milk Marketing Order:

Price per cwt.
Chicago - \$ 3.146

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 November 26, 1957 through December 25, 1957 were:

Cents per pound
Spray - 15.24
Roller - 13.71

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

State and division	December 1956			November 1957			December 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.....	3.42	3.85	.89	3.37	3.90	.86	3.27	3.77	.87
M.Atl. ^{2/}	3.43	3.85	.89	3.39	3.90	.87	3.30	3.77	.88
Md.....	3.78	4.38	.86	3.98	4.45	.89	4.04	4.44	.91
Va.....	3.73	4.85	.77	3.81	4.93	.77	3.80	4.94	.77
S.Atl. ^{2/}	3.69	4.68	.79	3.83	4.84	.79	3.76	4.72	.80
Ohio.....	4.01	4.27	.94	3.62	4.21	.86	3.66	4.21	.87
Ind.....	4.16	4.40	.95	3.73	4.39	.85	3.75	4.40	.85
Ill.....	3.33	3.85	.86	3.34	3.90	.86	3.31	3.84	.86
Mich.....	3.73	3.96	.94	3.51	4.02	.87	3.46	3.96	.87
Wis.....	3.43	3.79	.91	3.47	3.89	.89	3.39	3.79	.89
E.N.C...	3.63	3.97	.91	3.51	4.02	.87	3.47	3.96	.88
Mo.....	3.77	4.78	.79	3.77	4.77	.79	3.70	4.67	.79
Kans.....	3.54	4.35	.81	3.53	4.31	.82	3.51	4.24	.83
W.N.C. ^{2/}	3.51	4.19	.84	3.58	4.27	.84	3.50	4.13	.85
Ky.....	3.74	4.81	.78	3.76	4.94	.76	3.73	4.80	.78
Tenn.....	3.74	4.85	.77	3.79	4.96	.76	3.75	4.87	.77
Ala.....	3.76	4.85	.78	3.74	5.01	.75	3.71	4.85	.76
Miss.....	3.71	4.91	.76	3.75	5.08	.74	3.64	4.80	.76
Ark.....	3.73	4.72	.79	3.78	4.82	.78	3.69	4.69	.79
S.Cent. ^{2/}	3.74	4.83	.77	3.77	4.95	.76	3.72	4.81	.77
Idaho.....	3.74	4.05	.92	3.67	4.07	.90	3.68	4.09	.90
Wash.....	3.72	4.58	.81	3.68	4.73	.78	3.46	4.25	.81
Oreg.....	4.13	4.55	.91	3.98	4.47	.89	3.98	4.52	.88
N.W.....	3.79	4.24	.89	3.74	4.21	.89	3.72	4.20	.89
Utah.....	3.39	3.74	.91	3.29	3.71	.89	3.29	3.70	.89
Calif.....	3.97	4.20	.95	3.69	4.08	.90	3.67	4.12	.89
S.W. ^{2/} ..	3.86	4.12	.94	3.63	4.03	.90	3.60	4.05	.89
U.S. ^{2/} ..	3.68	4.24	.87	3.63	4.33	.84	3.57	4.22	.85

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

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

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

Item	Average December 1951-55	December 1956	December 1957
Milk bought from producers.....pounds	405,903,000	411,973,000	404,651,000
Producers.....number	137,000	116,000	107,000
Average per producer per day.....pounds	95.6	114.6	122.0
Change in purchases per producer:			
1957 from 1956.....percent	xxxx	xxxx	+ 6.5
1957 from 5-year average.....percent	xxxx	xxxx	+27.6

^{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, December 1957

Commodity	Dec. 1956 ^{1/}	December 1957 ^{2/}			Jan.- Dec. 1957	
		Total	Change from --		Total	Change from Jan.- Dec. 1956
			Dec. 1951-55 average	Dec. 1956		
	1,000 pounds	1,000 pounds	Percent	Percent	1,000 pounds	Percent
Evaporated and condensed milk:						
Evaporated whole (case goods)..	154,295	143,500	- 8	- 7	2,459,250	- 3
Condensed whole (case goods)..	7,593	3,350	- 9	-56	61,880	-11
Dry milk:						
Dry whole milk.....	9,117	8,400	+14	- 8	97,300	-13
Nonfat dry milk:						
Human food, spray process...	110,280	119,000	+75	+ 8	1,548,000	+13
Human food, roller process.	8,908	8,700	-24	- 2	144,810	-15
Total (human food).....	119,188	127,700	+60	+ 7	1,692,810	+10
Dry skim milk (animal feed)...	992	1,050	-12	+ 6	15,700	- 1
Dry buttermilk.....	4,649	5,500	+43	+18	69,200	+ 8

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

Table 7.-Evaporated, condensed, and dry milk: Manufacturers' stocks
December 31, 1957 ^{1/}

Commodity	Average December 31, 1951-55	December 31, 1956 ^{2/}	December 31, 1957		
			Total	Change from --	
				December 31, 1951-55 av.	December 31, 1956
	1,000 pounds	1,000 pounds	1,000 pounds	Percent	Percent
Evaporated and condensed milk:					
Evaporated whole (case goods)....	258,269	224,025	202,197	-22	-10
Condensed whole (case goods)....	6,178	9,649	5,834	- 6	-40
Dry milk:					
Dry whole milk.....	12,030	10,757	8,854	-26	-18
Nonfat dry milk (human food):					
Spray process.....	61,550	59,518	66,655	+ 8	+12
Roller process.....	13,667	9,943	7,825	-43	-21
Total.....	75,217	69,461	74,480	- 1	+ 7
Dry skim milk (animal feed).....	1,610	1,085	835	-48	-23
Dry buttermilk.....	7,167	4,210	4,075	-43	- 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)

Stocks of dry whole milk reported by manufacturers for December 31 were 8,854,000 pounds, a decrease of 18 and 26 percent, respectively, from a year earlier and the average. Dry buttermilk stocks equaled 4,075,000 pounds, down 3 percent from a year earlier and off 43 percent from the 1951-55 December 31 average. Manufacturers' stocks of dry skim milk for animal feed totaled 835,000 pounds, a decrease of 23 percent from December 31, 1956 and a loss of 48 percent from the average for that date.

December sales of nonfat dry milk for human food as shown by reporting manufacturers were 73,257,000 pounds, up 11 and 8 percent, respectively, from the preceding month and a year earlier. Dry whole milk sales were reported at 8,090,000 pounds, increasing 49 percent from the previous month and 23 percent from December 1956. Manufacturers' sales of dry buttermilk during December, at 3,115,000 pounds, were 13 percent lower than in the preceding month but 48 percent higher than a year earlier. Dry buttermilk sold for human food represented 79 percent of the total dry buttermilk sales during December.

Manufacturers' selling prices of nonfat dry milk for human food during December averaged 15.37 cents per pound compared with 15.35 cents for the previous month and 15.22 cents for a year earlier. Prices of spray-dried nonfat milk averaged 15.51 cents per pound, practically unchanged from both the preceding month and a year earlier. Roller-dried nonfat milk averaged 13.99 cents per pound, one-fourth cent below the previous month, but four-tenths cent above December 1956.

Prices received by manufacturers for dry whole milk in all sizes of packages averaged 40.63 cents per pound, up 1.0 and 1.6 cents, respectively, from the preceding month and December 1956. In 1-2½ pound packages, prices averaged 45.31 cents per pound, practically unchanged from the previous month, but three-tenths cent below a year earlier. Prices of 5-pound packages averaged 41.61 cents per pound, an increase of six-tenths cent from November 1957 and 1.4 cents from a year earlier. In miscellaneous large packages, mostly barrels and drums, prices averaged 32.73 cents per pound during December, two-tenths cent above the preceding month and one-tenth cent above a year earlier.

Combining both human food and animal feed for dry buttermilk, the December price averaged 13.47 cents per pound, up two-tenths cent from the previous month and seven-tenths cent from a year earlier. Selling prices of dry skim milk for animal feed averaged 10.03 cents per pound, compared with 10.07 cents for the preceding month and 9.62 cents for December 1956.

U. S. Department of Agriculture purchases of nonfat dry milk for price support and Section 32 purposes in January, through the 28th, totaled 62,399,000 pounds. December purchases were 56,911,000 pounds and purchases for the marketing year beginning April 1, 1957 through January 28th, totaled 655,607,000 pounds. The Government held 19,115,000 pounds of uncommitted supplies of nonfat dry milk on January 22. The Department sold 1,994,000 pounds of nonfat dry milk for animal and poultry feed back to the trade in January through the 22nd, 2,362,000 pounds for the month of December and 19,367,000 pounds from April 1, 1957 through January 22, 1958.

EVAPORATED AND CONDENSED MILK

Evaporated whole milk production for the entire year of 1957 totaled 2,459,250,000 pounds, lowest since 1939 and down 3 percent from 1956, the Agricultural Marketing Service reports. December production, at 143,500,000 pounds, was the smallest for the month since 1951 and was down 7 percent from a year earlier and 8 percent from the December 1951-55 average.

Although canned condensed whole milk production for the year of 1957 was smaller than a year earlier, it was still the second highest annual total during the last 7 years. At 61,880,000 pounds, the 1957 canned condensed whole milk production was 11 percent less than that of 1956. December production, at 3,350,000 pounds, was the lowest for the month since 1954, 56 percent less than a year earlier and 9 percent below the 5-year December average.

Manufacturers' stocks of evaporated milk were 202,197,000 pounds at the end of December, lowest for the date since 1950, down 10 percent from a year earlier and 22 percent from the December 31 average. Although off 40 percent from December a year ago and down 6 percent from average, holdings of canned condensed whole milk, at 5,834,000 pounds, were the second highest in the past 5 years.

Manufacturers' selling prices of evaporated milk for December averaged \$6.14 per case of 48 $14\frac{1}{2}$ -oz. cans f.o.b. manufacturers' distributing point. This indicates gains of 6 cents per case from the preceding month and 21 cents from prices prevailing in December a year earlier. Gains in prices from the preceding month, by regions, were 3 cents both in New England and the North Western region, 5 cents in the West North Central, South Central, and South Western areas, 6 cents in the Middle Atlantic and East North Central and 7 cents in the South Atlantic.

Condensery paying prices for milk f.o.b. plant during December averaged \$3.57 cents per hundredweight for milk testing 4.22 percent milkfat, or an average of 85 cents per pound of milkfat. The price per pound of milkfat showed a 1-cent advance from the preceding month, but a 2-cent decline from a year earlier. By States, the price per pound of milkfat ranged from 76 cents in Alabama and Mississippi to as high as 91 cents in Maryland.

Milk purchases by condenseries during December totaled 404,651,000 pounds and were made from approximately 107,000 producers. This gives a daily average purchase per producer of 122.0 pounds, gains of between 6 and 7 percent from a year earlier and 28 percent from the 5-year average for the month.