

BUREAU OF AGRICULTURAL ECONOMICS  
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EVAPORATED, CONDENSED, AND DRY MILK REPORT  
(April 1948)

Dry Milk

Production of dry whole milk in April was substantially above a year earlier, but production of nonfat dry milk solids, dry skim milk for animal feed and dry buttermilk was somewhat below that of a year earlier, the Bureau of Agricultural Economics reports. April production of all dry milk items increased seasonally over March.

Spray and roller dry whole milk production totaled 13,420,000 pounds in April, 22 percent above a year earlier but 8 percent less than the 1942-46 average for April. Spray production of 11,400,000 pounds was 23 percent above a year earlier. Roller output of 2,020,000 pounds was 15 percent higher than a year earlier. Cumulative production for the first four months of 1948 for spray and roller dry whole milk combined was 9 percent above the same period last year.

Output of spray-dried nonfat milk solids in April was 39,850,000 pounds, 14 percent less than in April 1947, but a third higher than the 1942-46 average for the month. Roller-dried nonfat milk solids produced in April amounted to 24,250,000 pounds, 16 percent less than a year earlier and 27 percent under the 1942-46 average for the month. Combined spray and roller output of nonfat dry milk solids totaled 64,100,000 pounds in April, 15 percent under last year's April output but slightly above the 1942-46 average production for April. Total dry nonfat milk solids produced up to May 1 this year was 194,200,000 pounds, a fifth less than for the same period last year.

Production of dry skim milk for animal feed during April was 1,570,000 pounds, a third less than a year earlier and only about half of the 1942-46 average production for the month. April output of dry buttermilk at 3,610,000 pounds was 12 percent less than a year earlier and 29 percent less than the 1942-46 average output for the month.

Stocks of all dry milk products held by manufacturers on April 30 were smaller than a year earlier, ranging from 14 to 70 percent less for the various products. Manufacturers' stocks of spray-dried whole milk on April 30 were 15,070,000 pounds, 14 percent less than a year earlier. Stocks of roller-dried at 465,000 pounds were down 39 percent from a year earlier. The combined total of spray and roller of 15,535,000 pounds was 15 percent less than a year earlier but more than double the 1942-46 average holdings for the date. Holdings of nonfat dry milk solids on April 30 were 22,924,000 pounds of spray-dried, 17,369,000 pounds of roller-dried, and 40,293,000 pounds combined, down 52, 41, and 48 percent respectively from a year earlier. Combined stocks were 12 percent under the 1942-46 average holdings for April 30. Stocks of dry skim milk for animal feed on April 30 totaled 457,000 pounds less than a third of the total a year earlier and only a fourth of the 1942-46 average holdings for the date. Dry buttermilk stocks on April 30 were 4,370,000 pounds, 15 percent less than a year earlier and 8 percent less than the 1942-46 average holdings for the date.

April sales of dry whole milk in all containers averaged 46.17 cents a pound compared with 45.80 cents for March and 41.45 cents for April 1947. This is the highest April price ever recorded and the highest for any month in any year except for November and December of 1947. In 1 to 2 1/2 pound packages, the prices averaged 52.43 cents a pound compared with 53.95 cents in March. In 5 pound packages, prices averaged 45.63 cents per pound compared with 47.48 cents in March. In all other packages, including barrels and drums, the average for April was 43.03 cents per pound compared with 41.46 cents in March. The April average price of spray-dried nonfat milk

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Reported Shipments (F.O.B. plant)

DRY NONFAT MILK SOLIDS (Bulk goods) Pounds				DRY BUTTERMILK (Bulk goods) Pounds			
Price $\frac{c}{l}$	Human Food		Animal feed	Price $\frac{c}{l}$	Human food		Animal feed
	Spray process	Roller process			Human food	Animal feed	
6 - 6 $\frac{1}{2}$			2,117	7 - 7 $\frac{1}{2}$			17,800
6 $\frac{1}{2}$ - 7			103	8 - 8 $\frac{1}{2}$			35,085
7 - 7 $\frac{1}{2}$			27,141	8 $\frac{1}{2}$ - 9			67,750
7 $\frac{1}{2}$ - 8			8,300	9 - 9 $\frac{1}{2}$			39,465
8 - 8 $\frac{1}{2}$			20,554	9 $\frac{1}{2}$ - 10			172,617
8 $\frac{1}{2}$ - 9			23,180	10 - 10 $\frac{1}{2}$	73,375		281,560
9 - 9 $\frac{1}{2}$			66,892	10 $\frac{1}{2}$ - 11	-		373,072
9 $\frac{1}{2}$ - 10			13,818	11 - 11 $\frac{1}{2}$	-		277,526
10 - 10 $\frac{1}{2}$		2,600	272,399	11 $\frac{1}{2}$ - 12	-		21,644
10 $\frac{1}{2}$ - 11		-	272,531	12 - 12 $\frac{1}{2}$	30,923		94,923
11 - 11 $\frac{1}{2}$		-	121,478	12 $\frac{1}{2}$ - 13	153,970		10,800
11 $\frac{1}{2}$ - 12		-	53,848	13 - 13 $\frac{1}{2}$	353,000		5,700
12 - 12 $\frac{1}{2}$		12,745	96,592	13 $\frac{1}{2}$ - 14	2,535		
12 $\frac{1}{2}$ - 13	29,375	1,994,564	13,525	14 - 14 $\frac{1}{2}$	270,330		
13 - 13 $\frac{1}{2}$	-	7,899,515	38,330	15 - 15 $\frac{1}{2}$	3,067		
13 $\frac{1}{2}$ - 14	7,558,198	4,946,046	-	15 $\frac{1}{2}$ - 16	13,750		
14 - 14 $\frac{1}{2}$	7,173,161	3,914,453	3,300	16 - 17	11,000		
14 $\frac{1}{2}$ - 15	7,596,311	719,065		17 - 17 $\frac{1}{2}$	140,900		
15 - 15 $\frac{1}{2}$	3,841,731	388,647					
15 $\frac{1}{2}$ - 16	2,227,533	349,725					
16 - 16 $\frac{1}{2}$	1,608,581	139,900					
16 $\frac{1}{2}$ - 17	5,681,893	179,540					
17 - 17 $\frac{1}{2}$	3,448						
17 $\frac{1}{2}$ - 18	6,535						
TOTAL	35,726,786	20,546,800	1,033,108		1,052,850		1,397,942
AV. PRICE	14.79 $\frac{c}{l}$	13.56 $\frac{c}{l}$	10.46 $\frac{c}{l}$		13.71 $\frac{c}{l}$		10.34 $\frac{c}{l}$
TOTAL HUMAN		56,273,566					
AV. PRICE		14.34 $\frac{c}{l}$					
GRAND TOTAL		57,306,674				2,450,792	
GRAND AV. PRICE APR. 1948		14.27 $\frac{c}{l}$				11.79 $\frac{c}{l}$	
GRAND AV. PRICE MAR. 1948		14.66 $\frac{c}{l}$				12.78 $\frac{c}{l}$	
GRAND AV. PRICE APR. 1947		9.89 $\frac{c}{l}$				8.48 $\frac{c}{l}$	

MANUFACTURERS' SELLING PRICES OF DRY WHOLE MILK DURING APRIL 1948 <sup>2/</sup>  
Reported shipments (F.O.B. Plant)

Price $\frac{c}{l}$	1-2 $\frac{1}{2}$ lb. packages	5 lb. package	All other pkgs. including bbls. & drums	Total reported shipments
19 - 20			32,100	32,100
36 - 37			350,109	350,109
37 - 38			804,346	804,346
38 - 39	86,166	192,000	484,200	762,966
39 - 40	-	387,090	189,389	576,479
40 - 41	-	-	140,418	140,418
41 - 42	-	143,140	21,092	169,232
42 - 43	-	-	705,810	705,810
43 - 44	310,944	748,200	203,166	1,262,310
44 - 45	342,415	43,965	300	386,478
47 - 48	49,632	-	1,896,676	1,943,308
48 - 49	244,351	-	-	244,351
53 - 54	-	761,985	-	761,885
56 - 57	1,585,084	-	-	1,585,084
TOTAL	2,615,590	2,281,180	4,836,106	9,724,876
AV. PRICE APR. 1948	53.13 $\frac{c}{l}$	45.53 $\frac{c}{l}$	43.05 $\frac{c}{l}$	46.17 $\frac{c}{l}$
AV. PRICE MAR. 1948	53.36 $\frac{c}{l}$	47.46 $\frac{c}{l}$	41.45 $\frac{c}{l}$	45.80 $\frac{c}{l}$
AV. PRICE APR. 1947	48.62 $\frac{c}{l}$	41.79 $\frac{c}{l}$	35.39 $\frac{c}{l}$	41.45 $\frac{c}{l}$

1/ Classified according to average monthly prices reported by firms.  
2/ Includes some dry whole in special packages for export.

	Unit	April		Apr. average
		1948	1947	1942-46
Purchases, reported total	Pounds	578,424,000	574,591,000	597,898,000
Producers	Numbers	142,000	139,000	149,000
Average daily purchases per producer	Pounds	135.8	137.8	133.8
Changes in purchases per producer 1948 from 1947	Percent	-1.5	XXXXX	XXXXX
1948 from 5-yr. average	"	+1.5	XXXXX	XXXXX

\* These figures represent milk purchases primarily for the manufacture of evaporated and condensed milk (case goods) by a large group of selected condenseries.

AVERAGE MANUFACTURERS' CARLOT SELLING PRICES OF EVAPORATED AND CONDENSED MILK BY GEOGRAPHIC DIVISIONS APRIL 1948 \*

Geographic division	Case goods		Bulk goods			
	Evaporated (48 14½-oz. cans) per case	Condensed (48 14-oz. cans) per case	Plain Condensed (unsweetened)		Sweetened Cond.	
	Dollars	Dollars	Whole	Skimmed	Whole	Skimmed
New England	6.16	9.32	-	5.11	17.69	9.70
Middle Atlantic	6.12	9.32	15.47	5.04	16.74	9.24
South Atlantic	6.12	9.32	-	4.46	17.47	9.01
East North Central	6.00	9.32	15.32	4.29	15.73	8.68
West North Central	6.06	-	12.74	5.13	15.91	9.18
South Central	6.09	9.32	-	4.84	17.54	9.33
North Western	5.97	-	-	-	-	-
South Western	6.06	-	-	4.87	17.65	9.17
U. S. APR. 1948	6.08	9.32	15.19	4.76	16.33	9.05
U. S. MAR. 1948	6.00	9.12	15.35	4.85	16.47	9.04
U. S. APR. 1947	5.42	8.27	11.79	3.78	16.24	10.46

\* Manufacturers' prices are based upon 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 PRICES PAID PRODUCERS BY CONDENSERIES FOR 3.5% MILK F.O.B. PLANT FOR APRIL 1948 7 GEOGRAPHIC DIVISIONS 1/

Geographic division	Number of plants or stations	Price per cwt.	
		Range Dollars	Average Dollars
Mid. Atlantic	9	4.02-4.87	4.42
South Atlantic	7	3.54-4.35	3.76
East North Central	91	3.60-4.55	4.05
West North Central	12	3.60-4.00	3.80
South Central	15	3.50-3.76	3.56
North Western	8	3.33-3.96	3.62
South Western	18	3.55-4.14	3.89
U. S. APR. 1948	160	3.35-4.87	3.95
U. S. MAR. 1948	160	3.16-5.05	3.95
U. S. APR. 1947	160	2.69-3.92	3.32

1/ No prices available for the New England Division.

Prices paid at Midwest condenseries used in determining class prices under the New York and Chicago Milk Marketing Order for April

New York City \$4.055 Chicago \$4.058

AVERAGE PRICES PAID BY CONDENSERS FOR MILK TO BE USED  
FOR CANNING DURING MARCH AND APRIL 1948 <sup>1/</sup>

State and Div.	April 1948			March 1948		
	Price paid per 100 lbs. milk Dollars	Butterfat test Pct.	Price per lb. of butterfat Dollars	Price paid per 100 lbs. milk Dollars	Butterfat test Pct.	Price per lb. of butterfat Dollars
N. Y.	4.22	3.51	1.20	4.21	3.57	1.18
M. Atl. 2/	4.24	3.53	1.20	4.25	3.59	1.18
Va.	4.27	4.16	1.03	4.38	4.28	1.02
W. Va.	4.41	4.06	1.08	4.54	4.27	1.06
S. Atl. 2/	4.54	4.17	1.09	4.65	4.30	1.08
Ohio	4.46	4.00	1.12	4.60	4.14	1.11
Ind.	4.62	4.17	1.11	4.84	4.29	1.13
Ill.	4.20	3.61	1.16	4.29	3.70	1.16
Mich.	4.41	3.87	1.14	4.51	3.98	1.13
Wis.	4.15	3.56	1.16	4.12	3.60	1.14
E. N. C.	4.28	3.73	1.15	4.32	3.79	1.14
Minn.	3.94	3.46	1.14	3.90	3.47	1.12
Iowa	4.02	3.60	1.12	4.04	3.68	1.10
Mo.	4.38	4.09	1.07	4.58	4.26	1.08
Kans.	4.24	3.96	1.07	4.53	4.18	1.08
W. N. C.	4.24	3.91	1.08	4.38	4.03	1.09
Ky.	4.34	4.26	1.02	4.45	4.35	1.02
Tenn.	4.29	4.25	1.01	4.44	4.41	1.01
Miss.	1.20	4.18	1.00	4.39	4.37	1.00
Texas	4.27	4.21	1.01	4.54	4.35	1.04
S. Cent. 2/	4.32	4.26	1.01	4.47	4.39	1.02
Idaho	4.50	4.01	1.12	4.61	4.14	1.12
Wash.	4.21	3.96	1.07	4.41	4.01	1.10
Ore.	4.54	4.43	1.02	4.59	4.52	1.02
N. W.	4.36	4.02	1.08	4.51	4.11	1.10
Colo.	4.26	3.70	1.15	4.68	3.90	1.20
Utah	3.99	3.40	1.17	4.18	3.49	1.20
Calif.	4.27	3.90	1.09	4.34	3.97	1.09
S. W. 2/	4.21	3.81	1.11	4.32	3.88	1.11
U. S. 2/	4.29	3.84	1.12	4.35	3.90	1.12

<sup>1/</sup> Preliminary; subject to revision. Prices are for milk of actual butterfat test as reported. All prices are reported as f.o.b. plant, country receiving station or concentrating station, and therefore include hauling costs.

<sup>2/</sup> Includes prices for some States not shown separately.

solids was 14.79 cents a pound compared with 15.24 cents in March. Roller-dried averaged 13.56 cents in April compared with 13.91 cents in March. Prices of dry skim milk for animal feed averaged 10.46 cents a pound in April, 10.60 cents in March. Dry buttermilk prices for April averaged 13.71 cents a pound for human food and 10.34 cents for animal feed, lower than the 15.28 cents and 10.45 cents for human and animal consumption in March. The combined dry buttermilk price was 11.79 cents a pound for April, compared with 12.78 cents in March.

Manufacturers' sales of dry whole milk by reporting firms totaled 9,725,000 pounds in April, 6 percent less than in March but 3 percent more than in April 1947. Sales of nonfat dry milk solids, spray and roller combined, totaled 56,274,000 pounds in April, an increase of 53 percent over March but 22 percent less than in April 1947. Sales of dry skim milk for animal feed totaled 1,033,000 pounds in April, 21 percent more than in March but only half of April 1947 sales. Sales of dry buttermilk for human food and animal feed combined were reported at 2,451,000 pounds in April, 16 percent more than in March but 41 percent less than in April 1947.

#### EVAPORATED AND CONDENSED MILK

Canned evaporated milk production for April was 352,000,000 pounds, a gain of 4 percent from a year earlier and 1 percent from the 5-year average for the month, the Bureau of Agricultural Economics reports. Present April production is the third highest of record for the month. The seasonal gain in output from March to April

COMMODITY	Apr. 1948 1/	Apr. 1947 1/	Change in Apr. 1948 from		Cumulative total Jan.-Apr. 1948	Change from Jan.-Apr. 1947
			1947	1942-46 average		
	Thousand pounds		Percent		Thous. lb.	Percent
Evaporated and Condensed Milk	332,000	320,500	+4	+1	971,400	-3
Evaporated (case goods)	13,900	11,850	+17	+26	41,550	+17
Condensed (case goods)	14,010	9,595	+46	+27	43,270	+32
Plain Condensed Whole (bulk)	2/36,340	31,600	+15	+12	2/134,635	+7
Plain Condensed Skimmed (bulk)	2,090	5,975	-65	-72	9,615	-34
Sweetened Cond. Whole (bulk)	23,165	77,220	-70	-49	62,435	-68
Sweetened Cond. Skimmed (bulk)						
<u>Dry Milk</u>						
Dry Whole						
Spray process	11,400	9,290	+23	3/	42,080	+5
Roller process	2,020	1,750	+15	3/	7,680	+40
Total	13,420	11,040	+22	-8	49,760	+9
Dry Nonfat Solids						
Human Food - Spray process	39,850	46,340	-14	4/+31	123,100	-18
Human Food - Roller process	24,250	28,700	-16	4/-27	71,100	-21
Total (Human Food)	64,100	75,040	-15	+2	194,200	-19
Dry skim milk (Animal feed)	1,570	2,350	-33	-47	4,405	-31
Dry buttermilk	3,610	4,100	-12	-29	12,005	-18

1/ Estimated. Subject to revision when the report is available for 1947.

2/ March 1948 production revised to 34,180,000 pounds.

3/ Spray and roller dry whole milk not reported separately prior to 1945.

4/ Spray and roller nonfat dry milk solids not reported separately prior to 1943, but estimated for 1942.

MANUFACTURERS' STOCKS OF EVAPORATED, CONDENSED AND DRY MILK APRIL 30

COMMODITY	1948	1947 1/	Average 1942-46	Change in 1948 from	
				1947	1942-46 Av.
	Thousand pounds			Percent	
Evaporated and Condensed Milk					
Evaporated (case goods)	80,752	148,830	150,347	-46	-46
Condensed (case goods)	8,777	5,279	8,062	+66	+9
<u>Dry Milk</u>					
Dry Whole					
Spray process	15,070	17,471	2/	-14	2/
Roller process	465	758	2/	-39	2/
Total	15,535	18,229	7,111	-15	+118
Dry Nonfat Solids					
Human Food - Spray process	22,924	47,955	3/	-52	3/
Human Food - Roller process	17,369	29,351	3/	-41	3/
Total (Human food)	40,293	77,306	45,907	-18	-12
Dry skim milk (Animal feed)	457	1,502	1,712	-70	-73
Dry buttermilk	4,370	5,137	4,738	-15	-8

1/ Revised to include late reports. 2/ Not reported separately prior to January 1945.

3/ Not reported separately prior to January 1943.

was 23 percent, a somewhat greater increase than occurred a year ago and considerably higher than the average increase during 1942-46. During the first four months of 1948, production totaled 971,400,000 pounds, a decline of 3 percent from the same period in 1947.

Production of condensed milk (case goods) during April was 13,900,000 pounds, up 17 percent from a year earlier and 26 percent from the 5-year average. The seasonal gain from March to April was about the same this year as last but gains in both years were much sharper than the average increase from 1942 through 1946. Cumulative production through April totaled 41,550,000 pounds, a gain of 17 percent from the same period a year earlier.

Output of plain condensed bulk goods items for April were higher than a year earlier while sweetened bulk goods products were sharply lower. Production of plain condensed whole milk at 14,010,000 pounds is 46 percent higher than a year earlier and

27 percent above the 1942-46 average. From January through April production totaled 43,270,000 pounds, a gain of 32 percent from the same period in 1947. Output of plain condensed skim milk for April was 36,340,000 pounds, a gain of 15 percent from a year earlier and 12 percent from the 1942-46 average. A total of 134,635,000 pounds of this product was manufactured during the first four months of this year, a 7 percent gain from the same period in 1947. Production of sweetened condensed whole milk was sharply lower. At 2,090,000 pounds, output declined 65 percent from a year earlier, 72 percent from the 5-year average, and 28 percent contra-seasonally from the previous month. Production during 1948 through April totaled 9,645,000 pounds, a 34 percent decrease from the same period in 1947. Estimated at 23,165,000 pounds for April, production of sweetened condensed skim milk was 70 percent lower than a year earlier and 49 percent below the 5-year average. Cumulative production from January through April totaled 62,435,000 pounds, a 68 percent decrease.

Manufacturers' stocks of evaporated milk were 80,752,000 pounds on April 30, a decline of 46 percent both from a year earlier and from the 5-year average. These stocks are the lowest for the date in the last decade except for 1946 when holdings were 80,689,000 pounds. Holdings of canned condensed milk on April 30 were 8,777,000 pounds, 66 percent higher than a year earlier, and 9 percent above the 1942-46 period.

Carlot selling prices of both canned evaporated and condensed milk rose from March to April. An increase of 25 cents per case in evaporated milk prices occurred in the latter part of April. The monthly average price for April was \$6.08 per case of 48 14½-oz. cans compared with \$6.00 for March and \$5.42 per case a year earlier. Prices of canned condensed milk rose 50 cents per case in the latter part of the month. The monthly average for April was \$9.32 per case of 48 14-oz. cans compared with \$9.12 for March and \$8.27 a year earlier.

Prices of all condensed bulk goods items for April declined except sweetened condensed skim milk. Manufacturers' selling prices of plain condensed whole milk averaged \$15.19 per hundredweight for April, down 16 cents from the previous month but \$3.40 higher than a year earlier. Selling prices of plain condensed skim milk averaged \$4.76 per hundredweight in April, a 9 cent drop from March but 98 cents above a year earlier. Sweetened condensed whole milk prices averaged \$16.33 per hundredweight for April, 14 cents down from March but 9 cents up from a year earlier. Selling prices of sweetened condensed skim milk for April averaged \$9.05 per hundredweight, 1 cent up from March but \$1.41 lower than a year earlier.

Prices paid producers by condenseries for milk of 3.5 percent butterfat averaged \$3.96 per hundredweight for April, the highest price of record for the month. The April price is 1 cent higher than the previous month and 64 cents above a year earlier.

On the basis of actual butterfat test, prices paid by condenseries averaged \$4.29 per hundredweight for milk testing 3.84 percent butterfat compared with \$4.35 in March for milk testing 3.90 percent butterfat. The price per pound of butterfat for April at \$1.13 was unchanged from March. Prices paid per pound of butterfat ranged from \$1.00 in Mississippi to \$1.20 per pound in New York.

Purchases of milk by reporting condenseries during April totaled 578,424,000 pounds, and were received from 142,000 producers. Daily purchases per producer averaged 135.8 pounds, a decline of between 1 and 3 percent from a year earlier but a gain of between 1 and 3 percent from the 5-year average.