

DEPARTMENT OF AGRICULTURE
BUREAU OF AGRICULTURAL ECONOMICS
WASHINGTON, D. C.

November 30, 1948

EVAPORATED, CONDENSED, AND DRY MILK REPORT
(October 1948)

DRY MILK

A contraseasonal gain in the output of spray-dried nonfat milk solids was the outstanding feature of dry milk production in October, the Bureau of Agricultural Economics reports. Spray-dried production in October was the highest for the month in the 6 years for which data by types of process are available; while roller-dried output dropped to the lowest point in the period. Combined output of spray and roller nonfat dry milk solids in October was the second highest for the month in 28 years of record, being exceeded only by 1942. Manufacturers' stocks of nonfat dry milk solids and dry whole milk on October 31 continued at the highest levels on record for the date. Reported average selling prices were generally lower on dry whole milk items and showed small, mixed changes for nonfat dry milk solids and dry buttermilk from September to October.

Production of spray-dried nonfat milk solids and roller-dried whole milk were contraseasonally higher in October than in September. Production of spray-dried nonfat milk solids during October this year was also substantially higher than in October a year ago. Total production of nonfat dry milk solids in October, at 36,040,000 pounds, was 3 percent less than in September, but 16 percent greater than a year earlier and 15 percent greater than the 5-year average for the month. Output of 26,250,000 pounds of spray-dried nonfat milk solids in October was up 4 percent from September, up 35 percent from a year earlier and up 50 percent from the 5-year average. Cumulative production of spray-dried nonfat milk solids for January through October was 357,800,000 pounds, 6 percent less than in the same period a year ago.

Roller output during October continued at the lowest level for the month in the six years for which data are shown separately on roller process. At 9,790,000 pounds, the production of roller-dried nonfat milk solids was 19 percent less than during September, 15 percent less than in October last year and 30 percent less than the 5-year average for the month. Cumulative production of roller-dried nonfat milk solids for the first ten months of this year, was 211,490,000 pounds, 13 percent less than for the same period last year. Total output of nonfat dry milk solids during January-October was 569,290,000 pounds, 9 percent less than during the same period last year.

Output of dry whole milk during October was 11,515,000 pounds, 16 percent less than in September, and 23 percent less than a year earlier, but 11 percent greater than the 5-year average for the month. Cumulative production of dry whole milk for the January-October period was 147,830,000 pounds, 4 percent greater than in the same period last year. Production of spray-dried whole milk in October was 9,900,000 pounds, 24 percent less than in October last year. For the ten months, January through October, output of spray-dried whole milk was 131,785,000 pounds, 4 percent greater than during the same period last year.

Production of dry skim milk for animal feed in October was 1,060,000 pounds, 10 percent greater than in September, 13 percent greater than during the same month a year earlier, but 13 percent less than the 5-year average for October. Cumulative production for the first ten months of 1948 was 13,460,000 pounds, 42 percent less than during the same period last year. Dry buttermilk production in October was 2,600,000 pounds, 8 percent less than in September, 4 percent greater than a year earlier and 22 percent less than the 5-year average. Production during the

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Reported shipments (F.O.B. plant)

DRY NONFAT MILK SOLIDS (Bulk goods) Pounds				DRY BUTTERMILK (Bulk goods) Pounds		
Price ¢ 1/	Spray process	Roller process	Animal feed	Price ¢ 1/	Human food	Animal feed
7 -7½			2,550	8½ -9		12,450
8 -8½			10,108	9 -9½		17,360
9 -9½			1,517	9½ -10		59,125
10 -10½			89,326	10 -10½		184,060
10½ -11			84,550	10½ -11	63,450	78,534
11 -11½			127,199	11 -11½	4,800	87,150
11½ -12			83,983	11½ -12	-	347,347
12 -12½		21,305	347,245	12 -12½	4,442	228,146
12½ -13		-	163,480	12½ -13	-	34,125
13 -13½		236,680	135,309	13 -13½	8,000	2,360
13½ -14		1,508,523	4,150	14 -14½	80,080	
14 -14½	268,138	5,614,723		14½ -15	176,850	
14½ -15	2,607,474	2,947,991		15 -15½	26,486	
15 -15½	12,621,747	5,077,013		15½ -16	34,015	
15½ -16	3,992,696	2,724,843		17 -17½	16,050	
16 -16½	3,481,735	488,349		17½ -18	230,735	
16½ -17	2,363,286	125,980		18 -18½	355,210	
17 -17½	9,656,735	55,098		19 -19½	50,855	
17½ -18	1,903,805					
18 -18½	586,844					
18½ -19	1,403,677					
TOTAL	38,886,137	18,800,505	1,049,417		1,050,973	1,050,657
AV. PRICE	16.22¢	14.78¢	11.82¢		16.44¢	11.25¢
TOTAL HUMAN		57,686,642				
AV. PRICE		15.75¢				
GRAND TOTAL		58,736,059			2,101,630	
GRAND AV. PRICE OCT. 1948		15.68¢			13.84¢	
GRAND AV. PRICE SEPT. 1948		15.63¢			13.33¢	
GRAND AV. PRICE OCT. 1947		10.97¢			9.59¢	

MANUFACTURERS' SELLING PRICES OF DRY WHOLE MILK DURING OCTOBER 1948 2/

Reported shipments (F.O.B. plant)
(Pounds)

Price ¢ 1/	1-2½ lb. packages	5 lb. package	All other pkgs. including bbls. & drums	Total reported shipments
32½ -33½			245,000	245,000
33½ -34½			253,930	253,930
34½ -35½			680,149	680,149
35½ -36½			136,490	136,490
36½ -37½			255,650	255,650
37½ -38½			91,000	91,000
38½ -39½			77,140	77,140
39½ -40½			56,652	56,652
40½ -41½			210,725	210,725
41½ -42½			226,263	226,263
43½ -44½	221,448		28,793	250,246
44½ -45½	196,460		197,200	393,660
45½ -46½	190,003	271,955	23,130	485,093
46½ -47½	-	142,356	921,322	1,063,678
47½ -48½	-	11,110	725,935	737,045
49½ -50½	12,951	-	6,364	19,315
52½ -53½	17,003	-	1,883	18,886
53½ -54½	-	1,108,695	-	1,108,695
55½ -56½	56,766	-	-	56,766
57½ -58½	-	40,383	-	40,383
58½ -59½	1,657,775	-	-	1,657,775
62½ -63½	116,209	-	-	116,209
TOTAL	2,468,620	1,574,499	4,137,631	8,190,750
AV. PRICE OCT. 1948	53.53¢	52.30¢	41.33¢	47.74¢
AV. PRICE SEPT. 1948	53.58¢	50.97¢	43.84¢	51.32¢
AV. PRICE OCT. 1947	48.75¢	42.24¢	39.64¢	42.14¢

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

2/ Includes some dry whole in special packages for export.

	Unit	October		Oct. average
		1948	1947	1942-46
Purchases, reported total	Pounds	478,963,000	456,978,000	445,533,000
Producers	Numbers	166,000	151,000	150,000
Average daily purchases per producer	Pounds	93.1	97.6	95.8
Changes in purchases per-producer 1948 from 1947	Percent	-4.6	XXXX	XXXX
1948 from 5-yr. average	"	-2.8	XXXX	XXXX

* 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' CANTON SELLING PRICES OF EVAPORATED AND CONDENSED MILK BY GEOGRAPHIC DIVISIONS OCTOBER 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	6.30	9.93	-	5.45	18.65	9.84
Middle Atlantic	6.25	9.93	15.83	5.31	17.77	9.10
South Atlantic	6.30	9.93	-	4.68	18.53	9.76
East North Central	6.17	9.85	14.95	4.67	15.81	8.98
West North Central	6.20	-	12.90	5.22	16.39	9.03
South Central	6.32	9.98	-	5.07	18.30	8.98
North Western	6.20	-	-	-	-	-
South Western	6.38	-	-	5.15	17.69	9.24
U. S. OCT. 1948	6.26	9.93	15.25	5.00	16.88	9.15
U. S. SEPT. 1948	6.56	10.02	15.40	5.04	17.19	9.34
U. S. OCT. 1947	5.31	8.40	13.67	3.92	15.83	8.20

* 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 OCT. 1948 7 GEOGRAPHIC DIVISIONS 1/

Geographic division	Number of plants or stations	Price per cwt.	
		Range Dollars	Average Dollars
Mid. Atlantic	5	3.57-4.85	4.43
South Atlantic	7	3.30-4.30	3.51
East North Central	84	3.21-4.73	3.50
West North Central	11	3.10-3.50	2/3.37
South Central	15	3.08-3.65	3.33
North Western	8	3.41-3.61	2/3.51
South Western	18	3.68-4.05	3.81
U. S. OCT. 1948	148	3.08-4.85	3.55
U. S. SEPT. 1948	156	3.35-5.02	3/3.98
U. S. OCT. 1947	162	3.08-5.04	3.60

1/ No prices available for the New England Division
 2/ September prices for West North Central and North Western areas revised to \$3.86 and \$3.73 respectively. 3/ Revised.

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

New York City \$3.494

Chicago \$3.477

State and Div.	October 1948			September 1948 2/			October 1947		
	Price paid per 100 lbs. milk	Price per butter- fat test	Price per lb. of butter- fat	Price paid per 100 lbs. milk	Price per butter- fat test	Price per lb. of butter- fat	Price paid per 100 lbs. milk	Price per butter- fat test	Price per lb. of butter- fat
	Dollars	Pct.	Dollars	Dollars	Pct.	Dollars	Dollars	Pct.	Dollars
N. Y.	4.82	4.02	1.20	4.74	3.83	1.24	4.53	3.95	1.15
M. Atl. 3/	4.96	4.12	1.20	4.84	3.90	1.24	4.62	4.03	1.15
Va.	4.43	4.82	.92	4.73	4.56	1.04	4.41	4.81	.92
W. Va.	4.51	4.86	.93	4.82	4.48	1.07	4.58	4.76	.96
S. Atl. 3/	4.58	4.85	.94	4.83	4.52	1.07	4.49	4.82	.93
Ohio	4.41	4.42	1.00	4.74	4.12	1.15	4.27	4.30	.99
Ind.	4.30	4.53	.95	4.69	4.33	1.08	4.46	4.45	1.00
Ill.	3.83	3.87	.99	4.26	3.76	1.13	3.99	3.83	1.04
Mich.	4.08	4.17	.98	4.52	4.00	1.13	4.15	4.15	1.00
Wis.	3.88	3.92	.99	4.28	3.76	1.14	4.07	3.90	1.04
E. N. C.	4.07	4.13	.98	4.46	3.93	1.13	4.16	4.07	1.02
Minn.	3.56	3.79	.94	4.12	3.69	1.12	4.07	3.88	1.05
Iowa	3.70	3.92	.94	4.18	3.83	1.09	3.99	3.85	1.04
Mo.	4.46	4.56	.96	4.96	4.51	1.10	4.67	4.78	.98
Kans.	4.35	4.45	.98	4.73	4.24	1.12	4.42	4.47	.99
W. N. C.	4.28	4.47	.98	4.81	4.36	1.10	4.47	4.50	.99
Ky.	4.55	5.04	.90	4.81	4.71	1.02	4.51	4.88	.93
Tenn.	4.57	5.11	.89	4.82	4.70	1.03	4.57	5.04	.91
Miss.	4.82	5.28	.91	4.93	4.77	1.03	4.58	5.03	.91
Texas	5.20	5.15	1.01	5.30	4.73	1.12	4.46	4.93	.89
S. Cent. 3/	4.64	5.09	.91	4.88	4.71	1.04	4.55	4.95	.92
Idaho	4.17	4.27	.98	4.51	4.15	1.11	4.26	4.29	.99
Wash.	4.69	4.52	1.04	4.61	4.26	1.08	4.55	4.53	1.01
Ore.	4.89	4.91	.99	4.96	4.75	1.04	4.61	4.82	.96
N. W.	4.48	4.44	1.01	4.63	4.25	1.09	4.44	4.47	.99
Colo.	4.51	3.93	1.15	4.58	3.74	1.25	4.15	3.86	1.08
Utah	3.77	3.54	1.07	4.17	3.45	1.21	3.53	3.48	1.02
Calif.	4.53	4.12	1.10	4.84	4.05	1.20	4.17	4.09	1.02
S. W. 3/	4.40	4.01	1.10	4.72	3.93	1.20	4.05	3.97	1.02
U. S. 3/	4.30	4.38	.98	4.64	4.17	1.11	4.28	4.28	1.00

1/ 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. 2/ Revised.

3/ Includes prices for some States not shown separately.

first ten months of this year was 33,205,000 pounds, 12 percent less than during the same period a year earlier.

Manufacturers' stocks of nonfat dry milk solids on October 31 at 72,823,000 pounds continued at the highest level on record for the date. These holdings decreased 12 percent from September 30 but were 109 percent greater than a year earlier and 123 percent greater than the 5-year average for the date. Holdings of spray-dried nonfat milk solids, at 46,533,000 pounds, showed an increase of 121 percent from last year. Stocks of roller-dried nonfat milk solids, at 26,290,000 pounds, were up 90 percent from the same date last year. Reported holdings of dry whole milk on October 31 were 30,712,000 pounds, 65 percent greater than a year ago and 120 percent greater than the 5-year average for the date. Holdings of dry skim milk for animal feed, at 981,000 pounds, were 14 percent greater than a year earlier but 30 percent less than the 5-year average. Reported stocks of dry buttermilk, at 6,169,000 pounds, were 2 percent greater than a year ago and 30 percent greater than the 5-year average for the date.

Manufacturers' selling prices of nonfat dry milk solids showed little change from September to October. The average selling price for spray-dried nonfat milk solids was 16.22 cents per pound in October, compared with 16.34 cents per pound in September. The average price for roller-dried nonfat milk solids was 14.78 cents per pound in October, compared with 14.67 cents per pound in September. The reported average price for dry skim milk for animal feed during October was 11.82 cents per pound, compared with 11.59 cents per pound in September. The average selling price of dry buttermilk for human use was 16.44 cents per pound in October, compared with 16.19 cents in September. Selling prices for dry buttermilk for animal feed were 11.25 cents per pound during October, compared with 11.37 cents per pound in September. Prices of nonfat dry milk solids, dry buttermilk, and dry skim milk for animal feed continued at levels substantially higher than in September last year.

COMMODITY	Oct. 1948 1/ Thousand	Oct. 1947 1/ pounds	Change in Oct. 1948 from		Cumulative total	
			1947	1942-46 average	Jan.-Oct. 1948 Thous. lb.	Change from Jan.-Oct. 1947 Percent
Evaporated and Condensed Milk						
Evaporated (case goods)	228,250	200,500	+13	+ 9	3,094,500	+ 8
Condensed (case goods)	8,600	19,500	-56	- 2	108,050	-20
Plain Condensed Whole (bulk)	13,925	12,605	+10	+54	140,535	+23
Plain Condensed Skimmed (bulk)	32,685	32,940	- 1	+ 4	367,990	+ 9
Sweetened Cond. Whole (bulk)	4,600	4,200	+10	+14	34,370	-41
Sweetened Cond. Skimmed (bulk)	10,500	16,130	-35	-59	243,100	-54
<u>Dry Milk</u>						
Dry Whole						
Spray process	9,900	13,100	-24	2/	131,785	+ 4
Roller process	1,615	1,950	-17	2/	16,045	+ 4
Total	11,515	15,050	-23	+11	147,830	+ 4
<u>Dry Nonfat Solids</u>						
Human Food - Spray process	26,250	19,500	+35	3/+50	357,800	+ 6
Human Food - Roller process	9,790	11,500	-15	3/-30	211,490	-13
Total (Human food)	36,040	31,000	+16	+15	569,290	- 9
Dry skim milk (animal feed)	1,050	935	+13	-13	13,460	-42
Dry buttermilk	2,600	2,500	+ 4	-22	33,205	-12

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

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

3/ 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 OCTOBER 31

COMMODITY	1948	1947 1/ Thousand pounds	Average 1942-46	Change in 1948 from	
				1947	1942-46 av. Percent
Evaporated and Condensed Milk					
Evaporated (case goods)	622,624	284,061	184,007	+119	+238
Condensed (case goods)	13,408	9,238	7,527	+45	+ 78
<u>Dry Milk</u>					
Dry Whole					
Spray process	30,405	18,162	2/	+67	2/
Roller process	307	458	2/	-33	2/
Total	30,712	18,620	13,942	+65	+120
<u>Dry Nonfat solids</u>					
Human food - Spray process	46,533	21,059	3/	+121	3/
Human food - Roller process	25,290	13,813	3/	+90	3/
Total (Human food)	72,823	34,872	32,675	+109	+123
Dry skim milk (animal feed)	981	860	1,403	+14	-30
Dry buttermilk	5,189	5,093	5,160	+2	+20

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

3/ Not reported separately prior to January 1943.

Reported average selling prices for dry whole milk during October were lower than those in effect during September except for the 5 pound container. The average selling price for dry whole milk in all containers during October was 47.74 cents per pound, compared with 51.32 cents per pound in September. The average price for the smallest containers, 1-2 1/2 pounds, was 55.63 cents per pound, compared with 58.58 cents per pound in September and 48.75 cents per pound in October a year ago. Dry whole milk packed in 5 pound containers sold for 52.20 cents per pound in October, compared with 50.97 cents in September and 49.24 cents a year earlier. The average selling price for dry whole milk packed in all other containers was 41.33 cents during October, compared with 43.84 cents in September and 39.54 cents in October last year.

Sales of nonfat dry milk solids reported shipped by manufacturers in October totaled 57,687,000 pounds, compared with 50,190,000 pounds in September. This was an increase of 15 percent above September this year and 16 percent above October last year. Reported shipments of dry whole milk during October totaled 3,181,000 pounds, down 18 percent from September and down 41 percent from October last year. Shipments of dry skim milk for animal feed during October were 1,049,000, 20 percent greater than in September, but 15 percent less than in October a year ago. Dry buttermilk sales reported shipped by manufacturers in October totaled 2,102,000 pounds, 11 percent less than in September and 24 percent less than in October last year.

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EVAPORATED AND CONDENSED MILK

Despite a sharper seasonal decline than a year ago, evaporated milk production at 226,250,000 pounds for October was still the third highest output for the month in 31 years of records, the Bureau of Agricultural Economics reports. October production this year was 13 percent higher than a year earlier and 9 percent above the 5-year October average. Manufacturers' stocks at the end of October were the highest for any date in 29 years of records. Production for the first 10 months of the year totaled 3,094,500,000 pounds or 8 percent more than in the same period of 1947.

Canned condensed milk production was 3,600,000 pounds for October, a decline of 56 percent from a year earlier and 2 percent from the 5-year average for the month. From January to October this year, output totaled 108,050,000 pounds, a 20 percent decline from the same period of 1947.

Production of condensed bulk goods items was lower than a year earlier for skim milk products, but higher for whole milk products. Plain condensed whole milk was 13,925,000 pounds for October, up 10 percent from a year earlier, up 54 percent from the 5-year October average, and the highest production on record for the month. During the first 10 months of the year, production was 23 percent above the corresponding period in 1947. Output of sweetened condensed whole milk, at 4,600,000 pounds, rose 10 percent from a year earlier and 14 percent from the 1942-46 average. Totalling 34,370,000 pounds for the first 10 months, production was 41 percent below the corresponding period in 1947. Plain condensed skim milk production, at 32,685,000 pounds, for October was down 1 percent from a year earlier, but up 4 percent from the 5-year average. Production from January through October totaled 367,990,000 pounds, a 9 percent gain from the same period in 1947. The manufacture of sweetened condensed skim milk was 10,500,000 pounds, down 35 percent from a year earlier, and 59 percent from the 5-year average, and was the lowest on record for the month since 1938. The ten months output for January through October totaled 243,100,000 pounds or 54 percent less than the same period in 1947. However, the 1948 output for the first 10 months is the lowest for the corresponding period in any year since 1942.

Manufacturers' stocks of evaporated milk on October 31 were 622,624,000 pounds, up 119 percent from a year earlier and up 238 percent from the 5-year average. These stocks are the highest ever shown for any date. They have risen each successive month for the past 7 months. Holdings of canned condensed milk at the end of October were 13,408,000 pounds, a gain of 15 percent from a year earlier and 78 percent from the 5-year average for the date. These stocks are the highest for the date since 1935.

Manufacturers' carlot selling prices of evaporated milk averaged \$6.26 per case of 48 14¹/₂-oz. cans during October, a 30 cent drop from September but still 95 cents above a year earlier. Prices of sweetened condensed milk averaged \$9.93 per case of 48 14-oz. cans, down 9 cents from the recent high in August and September, but \$1.53 up from a year earlier. Selling prices of all condensed milk bulk goods items for October were lower than September but higher than a year earlier. Plain condensed whole milk prices averaged \$15.25 per hundredweight, down 15 cents from September but \$1.58 above a year earlier. Selling prices of plain condensed skim milk averaged \$5.00 per hundredweight for October, 4 cents down from September, but \$1.08 above a year earlier. Prices of sweetened condensed whole milk (bulk goods) averaged \$16.88 per hundredweight, 31 cents lower than a month earlier, but \$1.05 higher than a year earlier. Sweetened condensed skim milk averaged \$9.15 per hundredweight, 19 cents below September, but 95 cents above October 1947.

Prices paid by condenseries for milk of 3.5 percent butterfat during October averaged \$3.55 per hundredweight, a 13 cent contraseasonal decline from September and 5 cents down from a year earlier. The decline in price from September to October was the only decrease at this season shown in 27 years of records, except for 1936.

Based on actual butterfat content, the average price paid producers in October was \$4.30 per hundredweight for milk of 4.38 percent butterfat. The price per pound of butterfat for October averaged 98 cents, a decline of 13 cents from September and 2 cents from a year earlier. During October, the price per pound of butterfat varies from 89 cents in Tennessee to \$1.20 in New York.

Milk purchases by reporting condenseries totaled 478,963,000 pounds for October and were obtained from 166,000 producers. The average daily purchases per producer were 23.1 pounds, a decline of 5 percent from a year earlier and 3 percent from the 5-year average.