

BUREAU OF AGRICULTURAL ECONOMICS
WASHINGTON, D. C.

March 31, 1950

EVAPORATED, CONDENSED, AND DRY MILK REPORT
(February 1950)

EVAPORATED AND CONDENSED MILK

Stocks of evaporated milk at the end of February had declined almost to the five-year average for the first time in 20 months, the Bureau of Agricultural Economics reports. Reflecting the reduction in stocks, production has been increasing more than seasonally during the past 3 months. Production of canned condensed milk was the lowest for the month since 1942, while selling prices were the third highest of record for February.

Production of evaporated milk was 183,000,000 pounds for February, up 14 percent from a year earlier, but 12 percent below the February five-year average. February was the third consecutive month in which evaporated milk output has exceeded a year earlier. Cumulative production for the first two months of 1950 totaled 351,750,000 pounds, a gain of 11 percent over the same months of 1949. Production of canned condensed milk at 5,900,000 pounds during February was the lowest for the month since 1942, 51 percent under a year earlier and 32 percent below the five-year average for the month. Combined output for January and February totaled 10,350,000 pounds, a decline of 55 percent from the corresponding period of 1949.

Output of condensed bulk goods for February was higher than a year earlier on all products except plain condensed skim milk. Production of plain condensed whole milk remained at record levels during February. The 21,500,000 pounds produced during the month was 87 percent above a year earlier and 135 percent above the February five-year average. Following a revision in the January 1950 figures, the combined data for January and February totaled 40,000,000 pounds, a gain of 78 percent from the same months of 1949. The output of plain condensed skim milk in February was estimated at 29,400,000 pounds, down 6 percent from a year earlier and 8 percent from the five-year February average. Output was the lowest for the month since 1947, but higher than for any February on record prior to 1946. For the first two months of 1950, production totaled 62,700,000 pounds, 2 percent less than in the same months a year ago.

(bulk goods)

Production of sweetened condensed whole milk totaled 2,300,000 pounds, except for last year, the lowest February total since 1939. February production, however, was 2 percent larger than a year earlier, but was 47 percent below the February 1944-48 average. Combined January and February production totaled 5,500,000 pounds, up 16 percent from the same months of 1949. The output of sweetened condensed skim milk during February totaled 10,900,000 pounds, up 2 percent from February last year, but down 60 percent from the five-year February average. Total production for the first two months of 1950 is estimated at 22,400,000 pounds, 1 percent below the corresponding period a year earlier.

Stocks of evaporated milk at the end of February were the lowest in the past 20 months and have declined more than one-half million pounds from the peak in October 31, 1948. Totalling 101,470,000 pounds, the February 28 stocks were 51 percent under a year earlier, but only 1 percent above the five-year February average. Manufacturers' stocks of canned condensed milk were 5,951,000 pounds on February 28, a decline of 32 percent from a year earlier and 5 percent from the five-year average for the date. Present stocks are the lowest for this date since 1947.

Manufacturers' selling prices of evaporated milk averaged \$5.10 per case of 48 14 $\frac{1}{2}$ -oz. cans for February, a decline of 56 cents from a year earlier. February

(Continued on page 4)

Reported shipments (F.O.B. plant)

NONFAT DRY MILK SOLIDS (Bulk goods) Human Food				DRY SKIM Animal feed	DRY BUTTERMILK (Bulk goods)		
Price 1/ Cents	Spray process	Roller process	Pounds		Price 1/ Cents	Human food	Animal feed
5½-6				3,000	6-6½		3,000
6-6½				30,383	6½-7		15,700
6½-7				46,516	7-7½		54,250
7-7½				30,198	7½-8	39,390	347,534
7½-8				132,524	8-8½	-	389,269
8-8½		11,600		293,605	8½-9	34,000	136,110
8½-9		50,196		365,959	9-9½	6,500	106,286
9-9½		435,997		116,174	9½-10	20,300	58,849
9½-10		2,064,916		8,135	10-10½	144,990	6,000
10-10½		4,316,487		18,458	10½-11	135,800	25,920
10½-11		4,923,919		156,338	11-11½	125,767	
11-11½	848,720	1,731,549		1,115	11½-12	460,792	
11½-12	7,200,426	1,005,033			12-12½	10,600	
12-12½	20,314,958	201,660			12½-13	46,725	
12½-13	12,122,905	9,400					
13-13½	3,771,048						
13½-14	248,415						
14-14½	2,250						
TOTAL	44,508,722	14,750,757	1,202,405			1,024,864	1,142,918
TOTAL HUMAN	59,259,479						
GRAND TOTAL		60,461,884				2,167,782	

MANUFACTURERS' SELLING PRICES OF DRY WHOLE MILK DURING FEBRUARY 1950 2/
Reported shipments (F.O.B. plant)

Price 1/ Cents	1-2½ lb. packages	5 lb. packages	All other pkgs. in- cluding bbls. & drums	Total reported shipments
	Pounds			
27-28			308,800	308,800
28-29			608,689	608,689
29-30			101,826	101,826
30-31			100,000	100,000
31-32			177,057	177,057
32-33		435,240	143,600	578,840
33-34	287,067	-	660,352	947,419
34-35	-	-	1,644	1,644
35-36	-	-	1,968,200	1,968,200
36-37	-	-	-	15,645
37-38	-	15,645	-	105,348
38-39	54,589	22,170	28,589	54,855
39-40	54,855	-	-	8,219
40-41	-	-	8,219	2,567
41-42	-	-	2,567	908,240
42-43	38,760	869,480	-	1,091,069
43-44	1,067,224	23,845	-	19,845
44-45	19,845	-	-	91,288
45-46	19,845	-	-	
46-47	91,288	-	-	
47-48				
48-49				
49-50				
TOTAL	1,613,628	1,366,380	4,109,543	7,089,551

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

MANUFACTURERS' AVERAGE SELLING PRICES OF DRY MILK SOLIDS
DURING FEBRUARY 1950 WITH COMPARISONS

Month	Nonfat dry milk solids			Dry skim an. & feed	N.F. solids & dry skim	Dry buttermilk			Dry whole milk			Total shpts.
	Spray	Roller	Spray & roller			Human food	Animal feed	Human and Animal	1-2 1/2 lb. pkgs.	5-lb. pkgs.	Other incl. bbls. & drums	
Cents per pound												
Feb. 1950	12.31	10.41	11.84	8.50	11.77	11.29	8.17	9.64	43.33	39.86	34.04	37.27
Jan. 1950	12.09	10.58	11.68	8.51	11.61	11.33	7.98	9.59	46.71	41.65	34.41	39.52
Feb. 1949	11.83	10.44	11.50	9.08	11.42	11.10	9.42	10.36	53.49	44.72	35.44	42.27
Feb. 1944-48	1/	1/	13.75	8.79	13.64	13.26	8.82	10.84	1/	1/	1/	38.62

1/ Not available.

AVERAGE MANUFACTURERS' CARLOT SELLING PRICES OF EVAPORATED AND CONDENSED MILK
BY GEOGRAPHIC DIVISIONS FEBRUARY 1950*

Geographic Division	Case goods		Bulk goods			
	Evaporated (48 14 1/2-oz. cans) per case	Condensed (48 14-oz. cans) per case	Plain condensed (unsweetened)		Sweetened cond.	
	Dollars		Whole	Skimmed	Whole	Skimmed
Dollars per hundredweight						
New England	5.10	9.10	-	4.12	15.83	7.82
Middle Atlantic	5.11	9.10	13.10	3.68	14.25	7.16
South Atlantic	5.11	9.10	-	3.66	16.15	8.43
East North Central	5.04	9.10	11.45	3.61	13.31	7.84
West North Central	5.06	-	11.00	3.98	14.06	8.19
South Central	5.11	9.10	-	4.09	14.63	8.00
North Western	5.18	-	-	-	-	-
South Western	5.18	-	-	3.79	14.01	8.27
U. S. FEBRUARY 1950	5.10	9.10	12.22	3.79	14.09	7.90
U. S. JANUARY 1950	5.10	9.10	12.20	3.82	13.95	7.89
U. S. FEBRUARY 1949	5.66	9.48	13.14	4.20	14.73	8.25

* 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
FEBRUARY 1950 - 7 GEOGRAPHIC DIVISIONS 1/

Geographic Division	Number of plants or stations	Price per cwt.	
		Range Dollars	Average Dollars
Mid. Atlantic	5	2.76-3.25	3.05
South Atlantic	7	2.62-3.25	2.75
East North Central	87	2.62-3.46	2.87
West North Central	11	2.65-2.95	2.75
South Central	20	2.52-2.98	2.64
North Western	8	2.49-3.10	2.76
South Western	18	2.80-3.28	2.98
U. S. FEBRUARY 1950	156	2.39-3.16	2.84
U. S. JANUARY 1950	156	2.39-3.51	2.84
U. S. FEBRUARY 1949	152	2.52-4.15	2.90

1/ No prices available for the New England Division.

* Prices paid in January at 18 Midwest condenseries used in determining class prices under the Chicago Milk Marketing Order for February

Chicago \$2.922

* Price for New York Market omitted because it is no longer used in calculating that formula.

1
 AVERAGE PRICES PAID BY CONDENSERIES FOR MILK TO BE USED IN MANUFACTURE
 FOR CANNING DURING FEBRUARY 1950 1/ WITH COMPARISONS

State and Div.	February 1950			January 1950			February 1949		
	Price paid	Butterfat	Price per lb. of butterfat	Price paid	Butterfat	Price per lb. of butterfat	Price paid	Butterfat	Price per lb. of butterfat
	per 100 lbs. milk	test	Dollars	per 100 lbs. milk	test	Dollars	per 100 lbs. milk	test	Dollars
	Dollars	Pct.	Dollars	Dollars	Pct.	Dollars	Dollars	Pct.	Dollars
N. Y.	3.18	3.73	.85	3.36	3.89	.86	3.82	3.79	1.01
M. Atl. 2/	3.18	3.76	.84	3.26	3.86	.84	3.99	3.86	1.03
Va.	3.58	4.40	.81	3.48	4.71	.74	3.50	4.49	.78
W. Va.	3.42	4.44	.77	3.51	4.57	.77	3.50	4.45	.79
S. Atl. 2/	3.63	4.46	.81	3.58	4.61	.78	3.65	4.50	.81
Ohio	3.37	4.25	.79	3.28	4.31	.76	3.34	4.22	.79
Ind.	3.63	4.41	.82	3.45	4.50	.77	3.39	4.39	.77
Ill.	3.13	3.82	.82	3.14	3.86	.81	3.01	3.77	.80
Mich.	3.34	4.03	.83	3.30	4.16	.79	3.23	3.96	.81
Wis.	3.20	3.72	.86	3.27	3.82	.86	3.06	3.68	.83
E. N. C.	3.27	3.92	.83	3.27	4.03	.81	3.15	3.89	.81
Minn.	3.02	3.56	.85	3.06	3.59	.85	2.80	3.51	.80
Iowa	3.14	3.80	.83	3.17	3.84	.83	3.08	3.75	.82
Mo.	3.50	4.43	.79	3.47	4.65	.75	3.57	4.54	.79
Kans.	3.16	4.16	.76	3.26	4.31	.75	3.36	4.30	.78
W. N. C.	3.30	4.14	.80	3.31	4.27	.78	3.31	4.17	.79
Ky.	3.48	4.64	.75	3.53	4.80	.73	3.47	4.60	.75
Tenn.	3.58	4.57	.78	3.49	4.75	.73	3.48	4.63	.75
Miss.	3.42	4.49	.76	3.48	4.73	.74	3.49	4.70	.74
Texas	3.45	4.59	.75	3.61	4.80	.75	3.80	4.71	.81
S. Cent. 2/	3.53	4.59	.77	3.52	4.77	.74	3.52	4.64	.76
Idaho	3.68	4.34	.87	3.83	4.39	.87	3.53	4.34	.81
Wash.	3.40	4.19	.81	3.60	4.48	.80	4.10	4.18	.98
Ore.	3.64	4.56	.80	3.73	4.68	.80	4.20	4.70	.89
N. W.	3.53	4.24	.83	3.70	4.45	.83	3.86	4.30	.90
Colo.	3.40	3.99	.85	3.48	4.09	.85	3.49	3.98	.88
Utah	3.28	3.52	.93	3.41	3.64	.94	3.17	3.59	.88
Calif.	3.48	4.15	.84	3.57	4.28	.84	3.90	4.12	.95
S. W. 2/	3.44	4.04	.85	3.54	4.16	.85	3.73	4.01	.93
U. S. 2/	3.35	4.06	.82	3.38	4.19	.81	3.36	4.06	.83

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/ Includes prices for some States not shown separately.

MILK PURCHASES BY CONDENSERIES FEBRUARY 1950, WITH COMPARISONS*

	Unit	February		Feb. average 1944-48
		1950	1949	
Purchases, reported total	Pounds	419,054,000	426,564,000	417,298,000
Producers	Numbers	143,000	146,000	137,000
Average daily purchases per producer	Pounds	104.7	102.9	108.8
Changes in purchases per producer 1950 from 1949	Percent	+1.7	XXXX	XXXX
1950 from 5-yr. average	"	-3.8	XXXX	XXXX

* Milk purchased 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.

prices were the lowest for the month since 1946, but were still higher than any year in the quarter century prior to 1947. Selling prices of sweetened condensed whole milk for February averaged \$9.10 per case of 48 14-oz. cans, down 38 cents from a year earlier. This price of \$9.10 has remained unchanged for the past 11 months. Selling prices of all condensed bulk goods items were lower than a year earlier. The price of plain condensed skim milk for February was \$3.79 per hundred-weight, a decline of 3 cents from the preceding month and of 41 cents from a year

COMMODITY	Feb. 1950 1/	Feb. 1949 1/	Change in Feb. 1950 from		Cumulative total	
			1949	1944-48 average	Feb. 1950	Change from Feb. 1949
	Thousand pounds		Percent		Thous. lb.	Percent
Evaporated and Condensed Milk						
Evaporated (case goods)	183,000	160,300	+14	-12	351,750	+11
Condensed whole (case goods)	5,900	12,100	-51	-32	10,350	-55
Plain condensed whole (bulk)	3/21,500	11,500	+87	+135	3/40,000	+78
Plain condensed skimmed (bulk)	4/29,400	31,300	+6	+8	4/62,700	-2
Sweetened cond. whole (bulk)	2,300	2,265	+2	-47	5,500	+16
Sweetened cond. skimmed (bulk)	10,900	10,700	+2	-60	22,400	-1
Dry Milk						
Dry whole						
Spray process	7,475	6,600	+13	2/	15,575	-1
Roller process	668	1,940	-66	2/	1,651	-55
Total	8,135	8,540	+5	-39	17,226	-11
Dry nonfat solids						
Human food - Spray process	46,000	43,000	+7	+92	90,750	+8
Human food - Roller process	19,500	16,500	+18	+17	39,600	+28
Total (human food)	65,500	59,500	+10	+62	130,350	+13
Dry skim milk (animal feed)	1,600	1,400	+14	+100	3,200	+13
Dry buttermilk	3,290	3,400	+3	+8	6,940	+2

1/ Estimated. Subject to revision when enumerations are available for 1949.

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

3/ January production revised from 17,750 to 18,500. 4/ January production revised from 36,250 to 33,300.

MANUFACTURERS' STOCKS OF EVAPORATED, CONDENSED AND DRY MILK FEBRUARY 28

COMMODITY	1950	1949 1/	Average 1944-48	Change in 1950 from	
				1949	1944-48
	Thousand pounds			Percent	
Evaporated and Condensed Milk					
Evaporated (case goods)	101,470	206,464	101,371	-51	+1
Condensed whole (case goods)	5,951	8,691	6,241	-32	-5
Dry Milk					
Dry whole					
Spray process	9,044	14,588	2/	-38	2/
Roller process	143	246	2/	-42	2/
Total	9,187	14,834	13,016	-38	-29
Dry nonfat solids					
Human food - Spray process	30,223	44,846	18,830	-33	+61
Human food - Roller process	14,990	18,646	14,318	-20	+5
Total (human food)	45,213	63,492	33,148	-29	+36
Dry skim milk (animal feed)	999	768	539	+30	+85
Dry buttermilk	3,970	6,817	5,114	-42	-22

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

earlier. Sweetened condensed whole milk averaged \$14.09 per hundredweight, up 14 cents from January but down 64 cents from a year earlier. Sweetened condensed skim milk prices averaged \$7.90 per hundredweight, up 1 cent from the preceding month, but down 35 cents from a year earlier. The selling prices of plain condensed whole milk averaged \$12.22 per hundredweight, up 2 cents from the preceding month, but down 92 cents from a year earlier.

Prices paid by condenseries for milk of 3.5 percent butterfat during February averaged \$2.84 per hundredweight, unchanged from January but 6 cents below a year earlier. This is the lowest February price since 1946.

Based on actual butterfat test, prices paid by condenseries for February averaged \$3.35 per hundredweight for milk of 4.06 percent butterfat, or 82 cents per pound of butterfat. The price per pound of butterfat by States ranged from 75 cents in Texas and Kentucky to 93 cents in Utah.

Condenseries reported the receipt of 419,054,000 pounds of milk during February from approximately 143,000 producers. Daily purchases by condenseries averaged 104.7 pounds per producer, a gain of 2 percent from a year earlier, but a decline of 4 percent from the five-year average for the month.

(Continued on page 6)

DRY MILK

In February, for the seventeenth consecutive month, production of nonfat dry milk solids was the highest of record for the month, the Bureau of Agricultural Economics reports. Manufacturers' selling prices for February were slightly higher than a year earlier. February output of dry whole milk was the lowest for the month since 1942 and selling prices were down from a year earlier.

Production of spray-dried nonfat milk solids totaled 46,000,000 pounds during February, a record high for the month, up 7 percent from a year earlier and 92 percent above the 1944-48 February average. Cumulative output for the first two months of the year totaled 90,750,000 pounds, an 8 percent gain from the same months of 1949. Roller-dried nonfat milk solids totaled 19,500,000 pounds for February, up 18 percent from a year earlier, 17 percent from the five-year average, and the highest for the month since 1945. Production for January and February totaled 39,600,000 pounds, up 28 percent from the same months of 1949. Production of spray and roller-dried nonfat milk solids combined totaled 65,500,000 pounds for February, up 10 percent from a year earlier, and 62 percent above the 1944-48 February average.

Dry whole milk production for February was 8,135,000 pounds, down 5 percent from a year earlier, 39 percent below the five-year average, and the lowest for the month since 1942. Output of spray-dried whole milk was 7,475,000 pounds, up 13 percent from a year earlier, but that of roller-dried, at 680,000 pounds, was down 66 percent from a year earlier.

Production of dry skim milk for animal feed in February was 1,600,000 pounds, up 14 percent from a year earlier and double the five-year average. For the first two months of 1950, output totaled 3,200,000 pounds, a gain of 13 percent from the same months of 1949. Production of dry buttermilk totaled 3,290,000 pounds for February, a decline of 3 percent from a year earlier and of 8 percent from the five-year average.

Sales of total nonfat dry milk solids by reporting manufacturers during February totaled 59,259,000 pounds, the highest of record for the month and 43 percent larger than a year earlier. Sales of dry whole milk totaled 7,090,000 pounds during February, only 2 percent below a year earlier but the lowest for the month since 1943.

Purchases of nonfat dry milk by the Government totaled 53 million pounds for the period from January 1 through February 28, 1950. These purchases represent about 41 percent of estimated production during this period. Purchases for 1950 through March 29 were 87 million pounds.

Manufacturers' stocks at the end of February for all dry milk products, except dry skim milk for animal feed, were lower than a year earlier. Manufacturers' stocks of spray-dried nonfat milk solids were 30,223,000 pounds, a decline of 33 percent from a year earlier, but 61 percent above the five-year February 28 average. Stocks of roller-dried were 14,990,000 pounds, down 20 percent from a year earlier, but up 5 percent from the five-year average for the date. Stocks of nonfat dry milk solids held by the Government on February 28 totaled 295,000,000 pounds. These were the total stocks on hand as of that date and do not reflect any future reductions by commitments for sales of supplies in export outlets. Stocks of dry whole milk were 9,187,000 pounds, down 38 percent from a year earlier and 29 percent below the five-year February 28 average. Holdings of dry skim milk for animal feed totaled 999,000 pounds, up 30 percent from a year earlier and 85 percent above the 1944-48 average for the date. Dry buttermilk stocks were 3,970,000 pounds, 42 percent below a year earlier and 22 percent less than the five-year average.

Manufacturers' selling prices of spray-dried nonfat milk solids averaged 12.31 cents per pound for February, compared with 12.09 cents in January and 11.83 cents a year earlier. Selling prices of roller-dried nonfat solids averaged 10.41 cents, compared with 10.58 cents in January and 10.41 cents a year earlier. Prices of dry skim milk for animal feed were practically unchanged from January at 8.50 cents per pound but were down about one-half cent from a year earlier and one-quarter cent from the five-year February average. Selling prices of dry buttermilk for both human and animal combined averaged 9.64 cents for February, which was practically unchanged from January, but three-fourths of a cent below a year earlier and 1.2 cents below the five-year February average. Prices of dry buttermilk for human food were almost unchanged from both the preceding month and a year earlier. Prices of animal feed, however, were $1\frac{1}{2}$ cents below a year earlier. Sales of dry whole milk in February in 1-2 $\frac{1}{2}$ pound packages averaged 43.33 cents per pound, more than 3 cents below the preceding month and 10 cents below a year earlier. Prices of five pound packages averaged 39.86 cents for February, almost 2 cents lower than in January and 5 cents below a year earlier. Selling prices of dry whole milk in miscellaneous packages were 34.04 cents per pound compared with 31.41 cents in January and 35.41 cents a year earlier. Selling prices of dry whole milk in all packages averaged 37.27 cents for February, down $2\frac{1}{4}$ cents from January, 5 cents from a year earlier and nearly $1\frac{1}{2}$ cents from the five-year February average.