

# EVAPORATED, CONDENSED AND DRY MILK

AUGUST 1970

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## PRODUCTION

EVAPORATED AND CONDENSED MILK: Combined production of evaporated whole milk and sweetened condensed whole milk (case goods) in August 1970 is estimated at 103.1 million pounds by the Crop Reporting Board. This was 28 percent below a year earlier and 25 percent below August 1968. Production the first eight months this year totaled 910.0 million pounds, down 16 percent from the same period in 1969 and 10 percent below 1968.

DRY MILK: Production of spray and roller process nonfat dry milk in August was 124.5 million pounds, 11 percent more than a year earlier, and 4 percent above August 1968. The January-August total was 1,132.3 million pounds, 3 percent above 1969 but 7 percent below this period in 1968. Dry whole milk production is estimated at 5.8 million pounds, 20 percent above a year earlier and 14 percent above August 1968. Production in the first eight months of 1970 was 48.8 million pounds, 5 percent above 1969 but 15 percent below the same period in 1968.

August dry buttermilk output totaled 4.1 million pounds -- 11 percent less than a year earlier and 21 percent below August 1968. The January-August total of 42.7 million pounds was 12 percent below 1969 and 14 percent below the comparable months in 1968.

## STOCKS, SHIPMENTS, PURCHASES AND PRICES

EVAPORATED AND CONDENSED MILK: Manufacturers' combined stocks of evaporated and sweetened condensed whole milk (case goods) on August 31 totaled 195.9 million pounds -- 9 percent below a year earlier, but the same as the close of August 1968.

Prices paid by condenseries to producers during August averaged \$4.42 per hundredweight for milk having an average milkfat content of 3.69 percent. This is equivalent to \$1.20 per pound of milkfat--the same as a month earlier but 5 cents above August 1969.

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Condenseries reported 203 million pounds of whole milk purchased in August from about 21,000 producers. The average daily purchase per producer was 316 pounds compared with 272 pounds in August 1969.

August evaporated whole milk selling prices reported by manufacturers averaged \$8.06 per case of forty-eight 14½ ounce cans. This is 5 cents lower than the preceding month but 55 cents above August 1969.

DRY MILK: Manufacturers' stocks of nonfat dry milk for human consumption on August 31, 1970 totaled 165.5 million pounds -- 10 percent above a year earlier and 30 percent more than two years earlier. Dry whole milk stocks were 9.4 million, up 15 percent from a year earlier but 6 percent below the end of August 1968. Dry buttermilk inventory, at 8.9 million pounds, was 35 percent more than a year earlier and nearly triple two years earlier.

Shipments of spray and roller process nonfat dry milk for human food totaled 100.9 million pounds in August -- up 5 percent from a year earlier but down 17 percent from August 1968. Dry whole milk shipments were 5.9 million pounds--an increase of 15 percent from a year earlier and 18 percent above August 1968. August shipments of dry buttermilk totaled 3.4 million pounds, 3 percent below 1969 and 9 percent below the same month in 1968.

Selling prices of spray and roller process (combined) nonfat dry milk averaged 27.13 cents per pound in August, down 0.14 cent from July but 3.69 cents above a year earlier and 3.89 cents above August 1968. Prices for dry buttermilk (human food and animal feed combined) averaged 25.13 cents per pound, up 0.53 cent from the preceding month and up 2.07 cents from August 1969 and 2.65 cents above August 1968. Dry whole milk prices for all package and container sizes averaged 45.06 cents per pound, 0.96 cent less than a month earlier but 2.08 cents more than August 1969. Over five pound packages, at 44.43 cents per pound in August, were up 0.13 cent from July and 3.93 cents from a year earlier.

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Table 1.--Evaporated, condensed, and dry milk: Production, shipments, and stocks  
August 1970, with comparisons

Commodity	Production									
	August					January-August				
	1968	1969	1970 <sup>1/</sup>	1970 Change from		1968	1969	1970 <sup>1/</sup>	1970 Change from	
				1968	1969				1968	1969
	-- 1,000 pounds --		Percent		-- 1,000 pounds --		Percent			
<b>CANNED MILK (case goods):</b>										
Evaporated and sweetened condensed whole <sup>2/</sup> .....	138,364	142,692	103,100	-25	-28	1,011,403	1,084,700	910,000	- 10	-16
<b>DRY MILK:</b>										
Whole .....	5,096	4,853	5,800	+14	+20	57,367	46,592	48,800	- 15	+ 5
Nonfat (human food)										
Spray process .....	117,122	110,237	123,200	+ 5	+12	1,193,445	1,081,069	1,121,700	- 6	+ 4
Roller process .....	2,330	1,736	1,270	-45	-27	18,363	14,958	10,570	- 42	-29
Total .....	119,452	111,973	124,470	+ 4	+11	1,211,808	1,096,027	1,132,270	- 7	+ 3
Skim (animal feed) .....	2,431	1,933	1,700	-30	-12	18,425	17,070	16,700	- 9	- 2
Buttermilk (total) .....	5,169	4,595	4,100	-21	-11	49,748	48,499	42,700	- 14	-12
Commodity	Shipments <sup>3/</sup>					Stocks <sup>4/</sup>				
	August					August				
	1968	1969	1970 <sup>1/</sup>	1970 Change from		1968	1969	1970 <sup>1/</sup>	1970 Change from	
				1968	1969				1968	1969
	-- 1,000 pounds --		Percent		-- 1,000 pounds --		Percent			
<b>CANNED MILK (case goods):</b>										
Evaporated and sweetened condensed whole <sup>2/</sup> .....	xxx	xxx	xxx	xxx	xxx	195,786	215,076	195,862	0	- 9
<b>DRY MILK:</b>										
Whole .....	5,047	5,173	5,947	+18	+15	10,087	8,175	9,435	- 6	+15
Nonfat (human food)										
Spray process .....	<sup>5/</sup> 121,222	<sup>5/</sup> 95,222	<sup>5/</sup> 100,095	-17	+ 5	124,660	147,905	163,540	+ 31	+11
Roller process .....	1,015	734	786	-23	+ 7	2,302	2,985	1,997	- 13	-33
Total .....	122,237	95,956	100,881	-17	+ 5	126,962	150,890	165,537	+ 30	+10
Skim (animal feed) .....	1,056	563	670	-37	+19	1,405	2,658	3,074	+119	+16
Buttermilk (human food):	3,442	3,269	3,242	- 6	- 1	xxx	xxx	xxx	xxx	xxx
Buttermilk (total) .....	3,774	3,537	3,443	- 9	- 3	2,980	6,598	8,917	+199	+35

<sup>1/</sup> Preliminary.

<sup>2/</sup> Combined to avoid disclosing individual plant operations.

<sup>3/</sup> Includes shipments for which prices were not reported.

<sup>4/</sup> Reported stocks held by manufacturers at all points, including those in transit and contracted for but not delivered.

<sup>5/</sup> Excludes retail size packages.

Table 2.--Dry milk: Manufacturers' reported shipments at specified price ranges, f.o.b. plant, August 1970 1/

Price per pound 2/	Nonfat dry milk, human food (Bulk goods)		Dry skim milk for animal feed	Dry buttermilk		Dry whole milk 4/
	Spray process 3/	Roller process		Human food	Animal feed	
Cents	Pounds					
12½-13	-	-	2,300	-	-	-
13½-14	-	-	-	-	3,300	-
14-14½	-	-	44,250	-	1,200	-
14½-15	-	-	67,990	-	-	-
15-15½	-	-	89,584	-	20,425	-
15½-16	-	-	2,100	-	-	-
16-16½	-	-	18,100	-	28,650	-
16½-17	-	-	19,690	-	-	-
17-17½	-	-	70,650	-	-	-
17½-18	-	-	-	-	40,000	-
18-18½	-	-	40,780	-	84,625	-
18½-19	-	-	1,900	-	-	-
20½-21	-	-	2,850	-	-	-
21-21½	-	-	3,888	-	-	-
23-23½	1,914,965	-	-	-	-	-
23½-24	1,815,860	-	-	133,686	-	-
24-24½	44,050	-	-	194,136	-	-
24½-25	733,860	-	-	499,350	-	-
25-25½	10,000	-	-	301,200	-	-
25½-26	4,522,175	-	-	332,235	-	-
26-26½	4,367,386	96,500	-	424,000	-	-
26½-27	20,119,407	301,200	-	24,300	-	-
27-27½	15,476,050	33,521	-	70,300	-	-
27½-28	9,622,317	-	-	328,980	-	-
28-28½	3,682,271	-	-	39,100	-	-
28½-29	4,487,123	-	-	-	-	-
29-29½	7,871,240	-	-	-	-	-
30-30½	11,150	-	-	-	-	-
32-32½	581,200	-	-	-	-	-
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42½-43½	-	-	-	-	-	138,450
43½-44½	-	-	-	-	-	3,180,121
44½-45½	-	-	-	-	-	672,000
45½-46½	-	-	-	-	-	607,700
54½-55½	-	-	-	-	-	6,075
55½-56½	-	-	-	-	-	337,779

1/ Excludes shipments for which prices were not reported. For total reported see table 1.

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

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

4/ Includes some dry whole milk in special packages for export.

Table 3.--Dry milk: Manufacturers' average selling price per pound f. o. b. plant, August 1970 with comparisons 1/

Commodity	August 1968	August 1969	July 1970	August 1970
	Cents			
Nonfat Dry Milk <u>2/</u>				
Spray process <u>3/</u> .....	23.25	23.44	27.27	27.13
Roller process .....	22.58	22.83	26.82	26.88
Spray and roller .....	23.24	23.44	27.27	27.13
Dry skim animal feed .....	18.48	15.34	16.70	15.84
Nonfat and dry skim .....	23.21	23.39	27.17	27.05
Dry Buttermilk:				
Human food .....	23.02	23.62	26.00	25.62
Animal feed .....	16.90	16.28	15.89	17.18
Human and animal .....	22.48	23.06	24.60	25.13
Dry Whole Milk:				
Pkgs. over 5 lbs. <u>4/</u> .....	40.99	40.50	44.30	44.43
Total <u>5/</u> .....	44.31	42.98	46.02	45.06

1/ Prices reported by firms weighted by their shipments to derive averages and segments also weighted by shipments to derive combined prices.

2/ Average of prices for shipments in bulk packages such as barrels, drums, and bags.

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

4/ Includes barrels and drums.

5/ All size packages, including 1-2½ lb. pkgs. and 5 lb. pkgs.

Table 4.--Evaporated whole milk: Manufacturers' average selling price per case of 48 14½-oz. cans, in cartons, by geographic divisions, August 1970 with comparisons 1/

Geographic division	August 1969	July 1970	August 1970
	Dollars		
New England .....	7.56	8.17	8.13
Middle Atlantic .....	7.35	7.94	7.91
South Atlantic .....	7.50	8.21	8.17
East North Central .....	7.49	8.10	8.06
West North Central .....	7.53	8.17	8.12
South Central .....	7.54	8.19	8.13
North Western <u>2/</u> .....	7.88	8.37	8.31
South Western <u>3/</u> .....	7.41	7.90	7.87
United States .....	7.51	8.11	8.06

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.

2/ Includes Montana, Wyoming, Idaho, Washington and Oregon.

3/ Includes Colorado, New Mexico, Arizona, Nevada, Utah and California.

Table 5.--Milk bought by condenseries primarily for Evaporated milk: Average price and fat test, by States, August 1970, with comparisons 1/

State and division	August 1969			July 1970			August 1970		
	Milk price per cwt.	Milkfat		Milk price per cwt.	Milkfat		Milk price per cwt.	Milkfat	
		Test	Price per pound		Test	Price per pound		Test	Price per pound
	Dollars	Percent	Dollars	Percent	Dollars	Percent	Dollars	Percent	Dollars
Ohio .....	4.24	3.71	1.14	4.21	3.63	1.16	4.22	3.64	1.16
Mich. ....	4.30	3.61	1.19	4.46	3.58	1.25	4.44	3.54	1.25
Tenn. ....	4.20	3.91	1.07	4.18	3.75	1.11	4.25	3.86	1.10
Calif. ....	4.31	3.60	1.20	4.50	3.59	1.25	4.67	3.65	1.28
N. Cent. ....	4.38	3.64	1.20	4.46	3.59	1.24	4.47	3.59	1.25
S. Atl. <u>2/</u> ...	4.30	3.93	1.09	4.34	3.83	1.13	4.35	3.91	1.11
S. Cent. ....	4.22	3.84	1.10	4.26	3.70	1.15	4.32	3.77	1.15
West <u>2/</u> ....	4.28	3.56	1.20	4.47	3.52	1.27	4.58	3.57	1.28
U. S. <u>2/</u> ....	4.30	3.73	1.15	4.38	3.64	1.20	4.42	3.69	1.20

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

2/ Includes data for some regions and/or States not shown separately.

Table 6.--Milk bought by condenseries primarily for evaporated milk: Average price and fat test, by States, 1969 revised 1/

State and division	January			February		
	Milk price	Milkfat	Price	Milk price	Milkfat	Price
	per 100 pounds	Test	per pound	per 100 pounds	Test	per pound
	Dollars	Percent	Dollars	Dollars	Percent	Dollars
Md. ....	4.55	4.25	1.07	4.48	4.13	1.08
Va. ....	4.36	4.23	1.03	4.26	4.02	1.06
S. Atl. 2/ ....	4.51	4.29	1.05	4.43	4.12	1.07
Ohio .....	4.44	4.06	1.09	4.37	3.95	1.11
Ind. ....	4.75	4.20	1.13	4.64	4.04	1.15
Mich. ....	4.41	3.88	1.14	4.37	3.81	1.15
Wis. ....	4.58	3.73	1.23	4.53	3.66	1.24
E. N. C. 2/ ....	4.51	3.91	1.15	4.45	3.82	1.16
Mo. ....	4.42	4.01	1.10	4.21	3.88	1.09
Kans. ....	4.46	4.00	1.12	4.40	3.92	1.12
W. N. C. ....	4.42	4.00	1.10	4.23	3.89	1.09
Ky. ....	4.33	4.14	1.05	4.41	4.10	1.08
Tenn. ....	4.37	4.20	1.04	4.25	3.98	1.07
Miss. ....	4.57	4.43	1.03	4.36	4.12	1.06
Ark. ....	4.34	3.88	1.12	4.28	3.77	1.14
S. Cent. ....	4.36	4.13	1.06	4.33	4.00	1.08
Calif. ....	4.51	3.91	1.15	4.56	3.88	1.18
S. W. 2/ ....	4.50	3.91	1.15	4.53	3.88	1.17
U. S. 2/ .....	4.46	4.01	1.11	4.40	3.91	1.13
	March			April		
Md. ....	4.41	4.03	1.09	4.31	3.88	1.11
Va. ....	4.18	3.89	1.07	4.08	3.72	1.10
S. Atl. 2/ ....	4.34	3.99	1.09	4.21	3.83	1.10
Ohio .....	4.32	3.87	1.12	4.27	3.80	1.12
Ind. ....	4.59	3.95	1.16	4.53	3.84	1.18
Mich. ....	4.34	3.76	1.15	4.33	3.74	1.16
Wis. ....	4.60	3.64	1.26	4.63	3.61	1.28
E. N. C. 2/ ....	4.44	3.76	1.18	4.43	3.72	1.19
Mo. ....	4.25	3.77	1.13	4.10	3.63	1.13
Kans. ....	4.28	3.84	1.11	4.18	3.68	1.14
W. N. C. ....	4.25	3.78	1.12	4.10	3.64	1.13
Ky. ....	4.18	3.84	1.09	4.08	3.70	1.10
Tenn. ....	4.19	3.87	1.08	4.12	3.77	1.09
Miss. ....	4.40	4.03	1.09	4.17	3.82	1.09
Ark. ....	4.23	3.65	1.16	4.09	3.55	1.15
S. Cent. ....	4.21	3.83	1.10	4.10	3.71	1.11
Calif. ....	4.47	3.80	1.18	4.37	3.66	1.19
S. W. 2/ ....	4.45	3.80	1.17	4.35	3.66	1.19
U. S. 2/ .....	4.35	3.81	1.14	4.25	3.70	1.15

See footnotes at end of table.





Table 6.--Milk bought by condenseries primarily for evaporated milk:  
Average price and fat test, by States, 1969 revised 1/--Cont.

State and division	September			October		
	Milk price	Milkfat		Milk price	Milkfat	
	per 100 pounds	Test	Price per pound	per 100 pounds	Test	Price per pound
	Dollars	Percent	Dollars	Dollars	Percent	Dollars
Md. ....	4.55	4.14	1.10	4.69	4.31	1.09
Va. ....	4.32	4.04	1.07	4.55	4.18	1.09
S. Atl. 2/ ....	4.41	4.09	1.08	4.63	4.27	1.08
Ohio .....	4.28	3.75	1.14	4.42	3.92	1.13
Ind. ....	4.58	3.89	1.18	4.68	4.06	1.15
Mich. ....	4.36	3.71	1.18	4.49	3.89	1.15
Wis. ....	4.80	3.65	1.32	5.02	3.82	1.31
E. N. C. 2/ ....	4.48	3.71	1.21	4.64	3.88	1.20
Mo. ....	4.44	3.85	1.15	4.70	4.03	1.17
Kans. ....	4.40	3.79	1.16	4.56	3.90	1.17
W. N. C. ....	4.44	3.85	1.15	4.70	4.03	1.17
Ky. ....	4.34	4.04	1.07	4.54	4.23	1.07
Tenn. ....	4.33	4.09	1.06	4.58	4.33	1.06
Miss. ....	4.47	4.14	1.08	4.76	4.40	1.08
Ark. ....	4.40	3.67	1.20	4.67	3.85	1.21
S. Cent. ....	4.36	4.01	1.09	4.59	4.22	1.09
Calif. ....	4.42	3.67	1.20	4.48	3.75	1.19
S. W. 2/ ....	4.41	3.67	1.20	4.48	3.76	1.19
U. S. 2/ .....	4.41	3.86	1.14	4.60	4.02	1.14
	November			December		
Md. ....	4.82	4.50	1.07	4.86	4.51	1.08
Va. ....	4.64	4.28	1.08	4.68	4.29	1.09
S. Atl. 2/ ....	4.72	4.38	1.08	4.76	4.38	1.09
Ohio .....	4.50	4.01	1.12	4.56	4.08	1.12
Ind. ....	4.84	4.26	1.14	4.83	4.25	1.14
Mich. ....	4.59	3.93	1.17	4.60	3.94	1.17
Wis. ....	5.08	3.85	1.32	5.11	3.81	1.34
E. N. C. 2/ ....	4.73	3.94	1.20	4.78	3.95	1.21
Mo. ....	4.78	4.06	1.18	4.78	4.03	1.19
Kans. ....	4.70	3.86	1.22	4.77	3.88	1.23
W. N. C. ....	4.78	4.06	1.18	4.78	4.03	1.19
Ky. ....	4.63	4.29	1.08	4.62	4.22	1.09
Tenn. ....	4.66	4.40	1.06	4.63	4.30	1.08
Miss. ....	4.97	4.67	1.06	4.82	4.52	1.07
Ark. ....	4.78	3.92	1.22	4.72	3.82	1.24
S. Cent. ....	4.70	4.29	1.10	4.66	4.19	1.11
Calif. ....	4.46	3.85	1.16	4.54	3.90	1.16
S. W. 2/ ....	4.46	3.85	1.16	4.53	3.91	1.16
U. S. 2/ .....	4.68	4.08	1.15	4.70	4.05	1.16

1/ Prices f.o.b. plant for milk of actual milkfat content, as reported.

2/ Includes data for some regions and/or States not shown separately.

Table 7.--Milk bought by condenseries: Quantity bought, and number of producers, August 1970, with comparisons 1/

Item	August 1968	August 1969 <u>2/</u>	August 1970
Milk bought from producers ..... pounds	261,832,000	222,202,000	203,448,000
Producers .....	number 30,000	26,000	21,000
Average per producer per day .... pounds	284.2	271.8	316.1
Change in purchases per producer:			
1970 from 1969 .....	percent: xxxxxx	xxxxxx	+16
1970 from 1968 .....	percent: xxxxxx	xxxxxx	+11

1/ Reported milk purchases at those plants (or their receiving stations) with canning equipment for which historical data are available. 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.

2/ Revised.

Table 8.--USDA Nonfat Dry Milk Purchases as Reported by ASCS  
- Delivery basis -

Nonfat Dry Milk	August 1970	Cumulative	
		April 1, 1969- August 31, 1969	April 1, 1970- August 31, 1970
- - - - Million pounds - - - -			
Purchases .....	35.3	195.8	238.5

Uncommitted inventories on September 18, 1970 totaled 54.8 million pounds.



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