

# EVAPORATED, CONDENSED AND DRY MILK

J U N E 1 9 7 0

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## PRODUCTION

EVAPORATED AND CONDENSED MILK: Combined production of evaporated whole milk and sweetened condensed whole milk (case goods) in June 1970 is estimated at 136.5 million pounds by the Crop Reporting Board. This was 12 percent below a year earlier and 9 percent below June 1968. Production the first six months this year totaled 683.8 million pounds, down 14 percent from the same period in 1969 and 6 percent below 1968.

DRY MILK: Production of spray and roller process nonfat dry milk in June was 179.9 million pounds, 5 percent more than a year earlier, but 5 percent less than June 1968. The January-June total was 855.5 million pounds, 1 percent above 1969 but 9 percent below this period in 1968. Dry whole milk production is estimated at 7.3 million pounds, 4 percent below a year earlier and 19 percent below June 1968. Production in the first six months of 1970 was 36.5 million pounds, 2 percent above 1969 but 21 percent below the same period in 1968.

June dry buttermilk output totaled 5.5 million pounds--15 percent less than a year earlier and 22 percent below June 1968. The January-June total of 33.8 million pounds was 12 percent below 1969 and 12 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 June 30 totaled 173.2 million pounds -- 11 percent more than a year earlier and 13 percent more than at the close of June 1968.

Prices paid by condenseries to producers during June averaged \$4.40 per hundredweight for milk having an average milkfat content of 3.66 percent. This is equivalent to \$1.20 per pound of milkfat--down one cent from May but 3 cents above June 1969.

Condenseries reported 212 million pounds of whole milk purchased in June from about 21,000 producers. The average daily purchase per producer was 342 pounds compared with 295 pounds in June 1969.

June evaporated whole milk selling prices reported by manufacturers averaged \$8.04 per case of forty-eight 14 $\frac{1}{2}$  ounce cans. This is 8 cents more than the preceding month and 53 cents above June 1969.

DRY MILK: Manufacturers' stocks of nonfat dry milk for human consumption on June 30, 1970 totaled 159.0 million pounds--13 percent more than a year earlier and 8 percent more than two years earlier. Dry whole milk stocks were 8.0 million, down 1 percent from a year earlier and 31 percent below the end of June 1968. Dry buttermilk inventory, at 11.1 million pounds, was 44 percent more than a year earlier and more than double two years earlier.

Shipments of spray and roller process nonfat dry milk for human food totaled 109.9 million pounds in June--down 13 percent from a year earlier and 19 percent below June 1968. Dry whole milk shipments were 5.4 million pounds--an increase of 2 percent from a year earlier and 3 percent above June 1968. June shipments of dry buttermilk totaled 4.0 million pounds, 7 percent below 1969 and 18 percent below the same month in 1968.

Selling prices of spray and roller process (combined) nonfat dry milk averaged 27.57 cents per pound in June, up 0.7 cent from May, 4.1 cents above a year earlier and 4.5 cents above June 1968. Prices for dry buttermilk (human food and animal feed combined) averaged 25.06 cents per pound, down 0.3 cent from the preceding month, but 2.0 cents above June 1969 and 3.3 cents above June 1968. Dry whole milk prices for all package and container sizes averaged 45.65 cents per pound, 0.4 cent more than a month earlier and 2.1 cents more than June 1969. Over five pound packages, at 44.05 cents per pound in June, were up slightly from May and 3.2 cents above a year earlier.

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

Commodity	Production									
	June					January-June				
	1968	1969	1970 1/	1970 Change		1968	1969	1970 1/	1970 Change	
				from	1968				1969	from
-- 1,000 pounds --					-- 1,000 pounds --					
					Percent					
<b>CANNED MILK (case goods):</b>										
Evaporated and sweetened condensed whole 2/ .....	149,623	154,404	136,500	- 9	-12	726,563	794,820	683,755	- 6	-14
<b>DRY MILK:</b>										
Whole .....	8,962	7,565	7,300	-19	- 4	46,416	35,880	36,500	- 21	+ 2
Nonfat (human food)										
Spray process .....	186,654	169,779	178,000	- 5	+ 5	926,886	835,050	847,500	- 9	+ 1
Roller process .....	2,806	2,353	1,900	-32	-19	13,248	11,251	8,000	- 40	-29
Total .....	189,460	172,132	179,900	- 5	+ 5	940,134	846,301	855,500	- 9	+ 1
Skim (animal feed) .....	2,473	1,977	2,400	- 3	+21	13,522	12,882	12,900	- 5	0
Buttermilk (total) .....	7,089	6,433	5,500	-22	-15	38,365	38,240	33,800	- 12	-12
Commodity	Shipments 3/					Stocks 4/				
	June					June				
	1968	1969	1970 1/	1970 Change		1968	1969	1970 1/	1970 Change	
				from	1968				1969	from
-- 1,000 pounds --					-- 1,000 pounds --					
					Percent					
<b>CANNED MILK (case goods):</b>										
Evaporated and sweetened condensed whole 2/ .....	xxx	xxx	xxx	xxx	xxx	153,763	155,528	173,232	+ 13	+11
<b>DRY MILK:</b>										
Whole .....	5,197	5,273	5,367	+ 3	+ 2	11,521	8,025	7,969	- 31	- 1
Nonfat (human food)										
Spray process .....	5/134,510	5/124,772	5/108,785	-19	-13	145,999	139,345	157,008	+ 8	+13
Roller process .....	943	1,242	1,146	+22	- 8	1,679	1,610	1,986	+ 18	+23
Total .....	135,453	126,014	109,932	-19	-13	147,678	140,955	158,994	+ 8	+13
Skim (animal feed) .....	784	671	1,097	+40	+63	1,267	1,866	2,860	+126	+53
Buttermilk (human food):	4,552	4,004	3,518	-23	-12	xxx	xxx	xxx	xxx	xxx
Buttermilk (total) .....	4,827	4,293	3,979	-18	- 7	4,210	7,666	11,075	+163	+44

1/ Preliminary.

2/ Combined to avoid disclosing individual plant operations.

3/ Includes shipments for which prices were not reported.

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

5/ Excludes retail size packages.

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

Price per pound <sup>2/</sup>	Nonfat dry milk, human food (bulk goods)		Dry skim milk for animal feed	Dry buttermilk		Dry whole milk <sup>4/</sup>
	Spray process <sup>3/</sup>	Roller process		Human food	Animal feed	
Cents	Pounds					
10-10 <sup>1</sup> / <sub>2</sub>	-	-	65,520	-	-	-
11-11 <sup>1</sup> / <sub>2</sub>	-	-	7,000	-	-	-
12-12 <sup>1</sup> / <sub>2</sub>	-	-	47,125	-	-	-
12 <sup>1</sup> / <sub>2</sub> -13	-	-	26,370	-	89,250	-
13 <sup>1</sup> / <sub>2</sub> -14	-	-	2,100	-	4,600	-
14-14 <sup>1</sup> / <sub>2</sub>	-	-	2,400	-	-	-
14 <sup>1</sup> / <sub>2</sub> -15	-	-	-	-	48,150	-
15-15 <sup>1</sup> / <sub>2</sub>	-	-	24,465	-	35,800	-
15 <sup>1</sup> / <sub>2</sub> -16	-	-	-	-	44,000	-
16-16 <sup>1</sup> / <sub>2</sub>	-	-	111,443	-	2,000	-
16 <sup>1</sup> / <sub>2</sub> -17	-	-	203,650	-	20,000	-
17-17 <sup>1</sup> / <sub>2</sub>	-	-	21,400	-	-	-
17 <sup>1</sup> / <sub>2</sub> -18	-	-	-	-	40,155	-
18-18 <sup>1</sup> / <sub>2</sub>	-	-	11,000	-	46,575	-
18 <sup>1</sup> / <sub>2</sub> -19	-	-	1,200	-	-	-
19-19 <sup>1</sup> / <sub>2</sub>	-	-	8,200	-	-	-
20-20 <sup>1</sup> / <sub>2</sub>	-	-	85,710	-	-	-
20 <sup>1</sup> / <sub>2</sub> -21	-	-	102,125	-	-	-
21-21 <sup>1</sup> / <sub>2</sub>	-	-	264,288	151,050	11,975	-
23-23 <sup>1</sup> / <sub>2</sub>	2,764,845	-	42,400	-	-	-
23 <sup>1</sup> / <sub>2</sub> -24	2,207,960	-	-	233,399	-	-
24-24 <sup>1</sup> / <sub>2</sub>	38,100	212,400	-	30,300	-	-
24 <sup>1</sup> / <sub>2</sub> -25	1,868,124	-	-	46,100	-	-
25-25 <sup>1</sup> / <sub>2</sub>	-	-	-	89,100	-	-
25 <sup>1</sup> / <sub>2</sub> -26	2,416,125	-	-	200,350	82,800	-
26-26 <sup>1</sup> / <sub>2</sub>	2,100,710	79,055	-	1,583,900	32,500	-
26 <sup>1</sup> / <sub>2</sub> -27	29,490,706	637,800	-	292,300	-	-
27-27 <sup>1</sup> / <sub>2</sub>	13,766,278	8,250	-	315,000	-	-
27 <sup>1</sup> / <sub>2</sub> -28	27,504,403	23,700	-	176,493	-	-
28-28 <sup>1</sup> / <sub>2</sub>	5,856,069	-	-	40,698	-	-
28 <sup>1</sup> / <sub>2</sub> -29	1,539,986	-	-	132,900	-	-
29-29 <sup>1</sup> / <sub>2</sub>	1,420,490	65,050	-	19,500	-	-
29 <sup>1</sup> / <sub>2</sub> -30	-	-	-	2,600	-	-
30-30 <sup>1</sup> / <sub>2</sub>	20,150	-	-	-	-	-
32-32 <sup>1</sup> / <sub>2</sub>	584,380	-	-	-	-	-
32 <sup>1</sup> / <sub>2</sub> -33	102,600	-	-	-	-	-
42 <sup>1</sup> / <sub>2</sub> -43 <sup>1</sup> / <sub>2</sub>	-	-	-	-	-	454,950
43 <sup>1</sup> / <sub>2</sub> -44 <sup>1</sup> / <sub>2</sub>	-	-	-	-	-	2,624,755
44 <sup>1</sup> / <sub>2</sub> -45 <sup>1</sup> / <sub>2</sub>	-	-	-	-	-	514,900
45 <sup>1</sup> / <sub>2</sub> -46 <sup>1</sup> / <sub>2</sub>	-	-	-	-	-	474,300
54-54 <sup>1</sup> / <sub>2</sub>	-	-	-	-	-	827,925

- <sup>1/</sup> Excludes shipments for which prices were not reported. For total reported see table 1.
- <sup>2/</sup> Classified according to average monthly prices reported by firms.
- <sup>3/</sup> Excludes spray-dried nonfat milk sold in packages of retail size.
- <sup>4/</sup> Includes some dry whole milk in special packages for export.

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

Commodity	June 1968	June 1969	May 1970	June 1970
----- Cents -----				
Nonfat Dry Milk <u>2/</u>				
Spray process <u>3/</u> .....	23.06	23.53	26.92	27.58
Roller process .....	22.61	22.53	26.47	26.28
Spray and roller .....	23.06	23.52	26.91	27.57
Dry skim animal feed.....	17.46	16.86	15.74	17.98
Nonfat and dry skim .....	23.03	23.48	26.85	27.47
Dry Buttermilk:				
Human food .....	22.09	23.47	26.13	25.98
Animal feed .....	15.96	16.75	18.43	18.06
Human and animal .....	21.74	23.02	25.33	25.06
Dry Whole Milk:				
Pkgs, over 5 lbs. <u>4/</u> .....	40.15	40.85	44.04	44.05
Total <u>5/</u> .....	43.69	43.59	45.25	45.65

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 lbs. pkgs.

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

Geographic division	June 1969	May 1970	June 1970
----- Dollars -----			
New England .....	7.56	7.94	8.10
Middle Atlantic .....	7.35	7.77	7.90
South Atlantic .....	7.50	7.97	8.14
East North Central .....	7.49	8.01	8.03
West North Central .....	7.53	8.04	8.09
South Central .....	7.54	8.05	8.10
North Western <u>2/</u> .....	7.88	8.16	8.28
South Western <u>3/</u> .....	7.41	7.87	7.85
United States .....	7.51	7.96	8.04

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, June 1970, with comparisons <sup>1/</sup>

State and division	June 1969			May 1970			June 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
Va. ....	4.11	3.77	1.09	4.14	3.68	1.12	4.15	3.72	1.12
S. Atl. <sup>2/</sup>	4.21	3.85	1.09	4.32	3.83	1.13	4.31	3.84	1.12
Ohio .....	4.22	3.68	1.15	4.31	3.72	1.16	4.25	3.66	1.16
Mich. ....	4.29	3.59	1.19	4.54	3.70	1.23	4.49	3.61	1.24
Wis. ....	4.67	3.57	1.31	4.89	3.56	1.37	4.92	3.59	1.37
E. N. C. <sup>2/</sup>	4.40	3.60	1.22	4.58	3.65	1.25	4.49	3.62	1.24
Mo. ....	4.33	3.68	1.18	4.49	3.58	1.25	4.55	3.61	1.26
W. N. C. ..	4.34	3.68	1.18	4.50	3.58	1.26	4.55	3.65	1.25
Ky. ....	4.08	3.71	1.10	4.17	3.67	1.14	4.19	3.71	1.13
Tenn. ....	4.13	3.80	1.09	4.20	3.77	1.11	4.18	3.76	1.11
Miss. ....	4.24	3.84	1.10	4.42	3.81	1.16	4.40	3.79	1.16
Ark. ....	4.30	3.59	1.20	4.58	3.47	1.32	4.58	3.48	1.32
S. Cent. ..	4.15	3.73	1.11	4.26	3.69	1.15	4.26	3.70	1.15
Calif. ....	4.37	3.60	1.21	4.58	3.62	1.27	4.56	3.62	1.26
S. W. <sup>2/</sup> ..	4.34	3.60	1.21	4.56	3.62	1.27	4.53	3.61	1.25
U. S. <sup>2/</sup> ..	4.28	3.67	1.17	4.43	3.66	1.21	4.40	3.66	1.20

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

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

Table 6.--Dry milk production

Month	Nonfat dry milk - spray process			Change in 1970 from	
	1968	1969	1970	1968	1969
	1,000 lb.			Percent	
January .....	123,295	114,880	101,500	-18	-12
February .....	124,350	111,241	106,000	-15	- 5
March .....	141,126	125,568	131,000	- 7	+ 4
April .....	163,295	143,265	147,000	-10	+ 3
May .....	188,166	170,317	184,000	- 2	+ 8
June .....	186,654	169,779	<u>1/178,000</u>	- 5	+ 5
July .....	149,437	135,782			
August .....	117,122	110,237			
September .....	87,866	81,719			
October .....	87,415	77,648			
November .....	87,927	70,739			
December .....	113,348	100,309			
<b>Total .....</b>	<b>1,570,001</b>	<b>1,411,484</b>			
	Nonfat dry milk - roller process				
	1,000 lb.			Percent	
January .....	1,755	1,542	1,000	-43	-35
February .....	1,706	1,508	850	-50	-44
March .....	1,830	1,671	1,150	-37	-31
April .....	2,299	1,881	1,400	-39	-26
May .....	2,852	2,296	1,700	-40	-26
June .....	2,806	2,353	<u>1/1,900</u>	-32	-19
July .....	2,785	1,971			
August .....	2,330	1,736			
September .....	1,535	1,308			
October .....	1,400	1,372			
November .....	1,429	1,246			
December .....	1,635	1,208			
<b>Total .....</b>	<b>24,362</b>	<b>20,172</b>			
	Total nonfat dry milk - human food				
	1,000 lb.			Percent	
January .....	125,050	116,422	102,500	-18	-12
February .....	126,056	112,749	106,850	-15	- 5
March .....	142,956	127,239	132,150	- 8	+ 4
April .....	165,594	145,148	148,400	-10	+ 2
May .....	191,018	172,613	185,700	- 3	+ 8
June .....	189,460	172,132	<u>1/179,900</u>	- 5	+ 5
July .....	152,222	137,753			
August .....	119,452	111,973			
September .....	89,401	83,107			
October .....	88,815	79,020			
November .....	89,356	71,985			
December .....	114,983	101,517			
<b>Total .....</b>	<b>1,594,363</b>	<b>1,431,656</b>			

1/ Preliminary.

Table 6.--Dry milk production--Cont.

Month	Skim milk - animal feed			
	1968	1969	1970	Change in 1970 from
				1968      1969
	1,000 lb.			Percent
January	2,140	2,301	1,700	-21      -26
February	1,945	1,680	1,600	-18      - 5
March	1,989	2,477	2,600	+31      + 5
April	2,255	2,262	2,400	+ 6      + 6
May	2,720	2,185	2,200	-19      + 1
June	2,473	1,977	1/2,400	~ 3      +21
July	2,472	2,255		
August	2,431	1,933		
September	2,242	1,765		
October	2,238	1,989		
November	1,982	1,735		
December	2,110	1,864		
Total	26,997	24,423		
Total dry whole milk				
	1,000 lb.			Percent
January	7,639	5,163	5,700	-33      - 1
February	6,068	4,715	4,700	-23      0
March	6,629	6,082	6,100	- 8      0
April	7,364	4,985	6,100	-17      +22
May	9,754	7,370	7,200	-26      - 2
June	8,962	7,565	1/7,300	-19      - 4
July	5,855	5,859		
August	5,096	4,853		
September	5,197	4,469		
October	6,567	4,617		
November	5,418	5,239		
December	5,272	5,163		
Total	79,821	66,080		
Dry buttermilk				
	1,000 lb.			Percent
January	5,985	6,343	5,100	-15      -20
February	5,994	5,821	5,200	-13      -11
March	5,906	6,215	5,900	0      - 5
April	6,481	6,689	6,100	- 6      - 9
May	6,910	6,739	6,000	-13      -11
June	7,089	6,433	1/5,500	-22      -15
July	6,214	5,664		
August	5,169	4,595		
September	4,561	3,967		
October	5,255	4,772		
November	5,149	3,884		
December	5,675	4,967		
Total	70,388	66,089		

1/ Preliminary.



Table 7. --Evaporated and condensed milk production

Case Goods

Month	Evaporated whole milk					
	1968	1969	1970 <sup>1/</sup>	Change in 1970 from		
				1968	1969	
	1,000 lbs.			Percent		
January .....	86,951	99,755	102,100	+17	+ 2	
February .....	84,758	101,045	96,200	+13	- 5	
March .....	96,315	109,218	107,200	+11	- 2	
April .....	126,706	139,008	114,000	-10	-18	
May .....	148,531	156,662	133,400	-10	-15	
June .....	141,092	146,778	<sup>2/</sup> 136,500	- 3	- 7	
July .....	137,670	139,053				
August .....	130,623	135,426				
September .....	107,238	101,266				
October .....	101,432	93,465				
November .....	88,719	83,625				
December .....	109,923	108,484				
Total .....	1,352,958	1,413,785				
	Sweetened condensed whole milk					
	1,000 lbs.			Percent		
January .....	3,876	5,182	<sup>3/</sup>			
February .....	7,090	4,314	<sup>3/</sup>			
March .....	8,612	6,841	<sup>3/</sup>			
April .....	7,721	9,092	<sup>3/</sup>			
May .....	6,380	9,299	<sup>3/</sup>			
June .....	8,531	7,626	<sup>3/</sup>			
July .....	8,806	8,135				
August .....	7,741	7,266				
September .....	6,619	8,488				
October .....	10,021	8,881				
November .....	7,534	5,860				
December .....	4,497	3,918				
Total .....	87,428	84,902				

<sup>1/</sup> Includes sweetened condensed whole milk.

<sup>2/</sup> Preliminary.

<sup>3/</sup> Not reported separately in order to avoid disclosure. Production included with evaporated whole milk.

Table 8.--Milk bought by condenseries: Quantity bought, and number of producers, June 1970, with comparisons <sup>1/</sup>

Item	June 1968	June 1969 <sup>2/</sup>	June 1970
Milk bought from producers ..... pounds	287,120,000	233,679,000	212,285,000
Producers ..... number	30,000	26,000	21,000
Average per producer per day ..... pounds	314.5	295.4	342.1
Change in purchases per producer:			
1970 from 1969 ..... percent	XXXXX	XXXXX	+16.0
1970 from 1968 ..... percent	XXXXX	XXXXX	+ 9.0

<sup>1/</sup> 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.

<sup>2/</sup> Revised.

Table 9.--USDA Nonfat Dry Milk Purchases as Reported by ASCS - Delivery basis -

Nonfat dry milk	June 1970	Cumulative	
		April 1, 1969 - June 30, 1969	April 1, 1970 - June 30, 1970
		----- Million pounds -----	
Purchases .....	66.4	118.4	149.9

Uncommitted inventories on July 17, 1970 totaled 65.2 million pounds.



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