

# EVAPORATED, CONDENSED AND DRY MILK

## REPORT FOR SEPTEMBER 1966

October 31, 1966

### PRODUCTION

EVAPORATED AND CONDENSED MILK: Production of evaporated whole milk in September is estimated at 134 million pounds by the Crop Reporting Board. This is 2 percent less than the September output a year ago and 11 percent below the 1960-64 average for the month. The January through September production totaled 1.4 billion pounds -- up 4 percent from the corresponding period last year.

Production of canned sweetened condensed whole milk during September was 12.2 million pounds, 124 percent more than a year earlier and 98 percent above average. In the first 9 months, production totaled 94 million pounds -- up 37 percent from the same period in 1965.

Table 1.-Production of evaporated whole milk, United States

Month	Enumerations			Estimates 1966	Change from--	
	1960-64 av.	1964	1965		1960-64 av.	1965
	Million pounds				Percent	
January.....	133.1	142.5	120.8	117.2	-12	- 3
February.....	131.0	142.4	120.7	118.4	-10	- 2
March.....	158.4	151.6	132.5	147.0	- 7	+11
April.....	186.4	162.6	150.0	165.6	-11	+10
May.....	236.7	211.3	184.8	193.2	-18	+ 5
June.....	225.3	203.8	182.5	195.4	-13	+ 7
July.....	199.0	183.1	160.2	158.1	-21	- 1
August.....	181.9	172.4	150.0	159.1	-13	+ 6
September.....	150.5	145.1	136.3	133.8	-11	- 2
Nine-month total	1,602.3	1,514.8	1,337.8	1,387.8	-13	+ 4
October.....	140.5	131.8	123.7			
November.....	125.0	114.2	110.9			
December.....	134.0	127.3	120.6			
Annual total....	2,001.8	1,888.1	1,693.0			

DRY MILK: Nonfat dry milk production (spray and roller process combined) in September is estimated at 89 million pounds, 12 percent below a year earlier, 25 percent less than the September 1960-64 average, and the smallest for the month since 1957. The total for the first three-quarters this year, at 1.3 billion pounds, was 23 percent below the January-September period last year.

Spray-dried nonfat milk production, at 86 million pounds, was down 11 percent from September a year ago and 23 percent below average. January-September production was 1.2 billion pounds -- 23 percent less than in that period last year.

Table 2.-Production of nonfat dry milk (human food, total), United States

Month	Enumerations			Estimates	Change from--	
	1960-64 av.	1964	1965	1966	1960-64 av.	1965
	Million pounds				Percent	
January.....	167.6	177.1	189.3	130.3	-22	-31
February.....	166.7	180.1	181.1	123.2	-26	-32
March.....	191.9	209.5	202.5	146.0	-24	-28
April.....	206.4	221.5	214.2	167.5	-19	-22
May.....	243.4	255.8	239.9	188.0	-23	-22
June.....	233.1	239.6	223.4	192.5	-17	-14
July.....	179.4	181.4	172.4	132.0	-26	-23
August.....	144.1	150.1	131.6	110.5	-23	-16
September.....	118.0	121.8	100.7	89.0	-25	-12
Nine-month total.	1,650.6	1,736.9	1,655.1	1,279.0	-23	-23
October.....	126.8	127.2	102.0			
November.....	130.4	135.9	105.6			
December.....	162.6	177.2	130.0			
Annual total.....	2,070.4	2,177.2	1,992.7			

Roller-dried nonfat milk production is estimated at 3.5 million pounds -- a decrease of 17 percent from a year earlier and the smallest September output of record. In the first 9 months, output totaled 48 million pounds, or 23 percent smaller than a year earlier.

Dry whole milk production, at 7.0 million pounds, was 22 percent more than September a year ago and 1 percent above average. January through September output totaled 70 million pounds -- an increase of 6 percent from the corresponding months last year.

Dry buttermilk output was 5.5 million pounds -- 8 percent above both a year earlier and the September average. In the first 9 months, production totaled 63 million pounds -- 10 percent below the same period last year.

September production of dry skim milk for animal feed was 2.0 million pounds -- down 16 percent from a year earlier, but the same as average.

#### STOCKS, SHIPMENTS, PURCHASES AND PRICES

EVAPORATED AND CONDENSED MILK: Stocks of evaporated whole milk held by reporting manufacturers on September 30 totaled 245 million pounds -- up 7 percent from a year earlier, but down 14 percent from the 1960-64 average for the date. Inventories of canned sweetened condensed whole milk were 6.0 million pounds, 18 percent less than on September 30 a year ago and 10 percent below average.

Prices paid by condenseries to producers for September deliveries averaged \$4.31 per hundredweight for milk having an average fat content of 3.96 percent. This is equivalent to \$1.09 per pound of milkfat -- unchanged from August, but 23 cents above September last year, and the highest for the month since 1948.

Reporting condenseries, for which historical data are available, purchased 293 million pounds of whole milk during September from about 45,000 producers. Average daily purchases per producer were 218 pounds, compared with 200 in September last year and 184 pounds, the September average.

Evaporated whole milk selling prices in September, as reported by manufacturers, averaged \$7.07 per case of forty-eight 14½ oz. cans. This is a gain of 14 cents per case from August and an increase of 96 cents from September 1965.

DRY MILK: Stocks of nonfat dry milk for human consumption held by manufacturers on September 30 totaled 119 million pounds -- up 60 percent from a year earlier and 12 percent more than average. Spray-dried holdings, at 116 million pounds, were 65 percent above a year earlier, 22 percent more than average, and the highest for the date since 1961. Dry whole milk stocks of 7.9 million pounds exceeded those of September 30, 1965 by 33 percent and the 5-year average by 52 percent.

Shipments of spray and roller process nonfat dry milk for human consumption of 84 million pounds during September were 20 percent smaller than in August, and 32 percent below a year earlier. Spray-dried movement, at 82 million pounds, was off 20 percent from August and down 32 percent from September 1965. Dry whole milk shipments totaled 6.4 million pounds, 8 percent below August but 8 percent above a year earlier. September dry buttermilk shipments were 3.1 million pounds -- 17 percent less than in August and 39 percent below September last year.

Selling prices for spray and roller process nonfat dry milk (combined) during September as reported by manufacturers averaged 20.6 cents per pound, a record high since the series began in 1934. Combined nonfat prices were 0.4 cent per pound above August and 5.9 cents more than September a year ago. Prices for spray-process averaged a record 20.6 cents compared with 20.3 cents for August and 14.8 cents a year earlier. Roller-dried nonfat prices averaged 20.2 cents per pound during September -- an all-time high.

Prices of dry buttermilk (human food and animal feed combined) during September averaged a record high for the month of 19.9 cents per pound, compared with 20.4 cents in August, and 14.3 cents a year earlier. Dry whole milk prices in all package and container sizes averaged 45.0 cents per pound, the highest for September since 1952. This average was 2.4 cents more than a month earlier and 10.5 cents higher than in September last year.

USDA Nonfat Dry Milk Purchases and Payment-In-Kind Activity as Reported by ASCS  
-Delivery basis -

Nonfat dry milk	September 1966	Cumulative	
		April 1, 1965- September 30, 1965	April 1, 1966 September 30, 1966
	Mil. pounds	Mil. pounds	Mil. pounds
Purchases .....	14.3	462.9	153.5
PIK exports 1/ ...	-	147.4	0.6
Combined .....	14.3	610.3	154.1

1/ Payment-in-kind export certificates. Registrations halted March 2, 1966.

Uncommitted inventories on October 21, 1966 totaled 25.8 million pounds.

Table 3.-Evaporated, condensed, and dry milk: Production, September 1966

Commodity	September 1965 <sup>1/</sup>	September 1966 <sup>2/</sup>			Jan.-Sept. 1966	
		Total	Change from--		Total	Change from Jan.-Sept. 1965
			September 1960-64 average	September 1965		
	1,000 pounds	1,000 pounds	Percent	Percent	1,000 pounds	Percent
<b>Evaporated and condensed milk:</b>						
Evaporated whole (case goods)..	136,275	133,800	-11	- 2	1,387,800	+ 4
Sweetened condensed whole (case goods)..	5,440	12,210	+98	+124	94,310	+37
<b>Dry milk:</b>						
Dry whole milk.....	5,754	7,000	+ 1	+22	69,500	+ 6
<b>Nonfat dry milk (human food):</b>						
Spray process.....	96,420	85,500	-23	-11	1,230,500	-23
Roller process.....	4,242	3,500	-48	-17	48,500	-23
Total.....	100,662	89,000	-25	-12	1,279,000	-23
Dry skim milk (animal feed)....	2,392	2,000	0	-16	18,900	+ 4
Dry buttermilk.....	5,104	5,500	+ 8	+ 8	63,200	-10

<sup>1/</sup> Enumerations.

<sup>2/</sup> Estimates.

Table 4.-Evaporated, condensed, and dry milk: Manufacturers' reported stocks September 30, 1966 <sup>1/</sup>

Commodity	Average Sept. 30, 1960-64	Sept. 30, 1965 <sup>2/</sup>	September 30, 1966		
			Total	Change from---	
				September 30, 1960-64 av.	September 30, 1965
	1,000 pounds	1,000 pounds	1,000 pounds	Percent	Percent
<b>Evaporated and condensed milk:</b>					
Evaporated whole (case goods)..	286,255	228,200	245,104	-14	+ 7
Sweetened condensed whole (case goods)..	6,701	7,337	5,998	-10	-18
<b>Dry milk:</b>					
Dry whole milk.....	5,189	5,950	7,897	+52	+33
<b>Nonfat dry milk (human food):</b>					
Spray process.....	95,706	70,436	116,306	+22	+65
Roller process.....	10,704	3,549	2,371	-78	-33
Total.....	106,410	73,985	118,677	+12	+60
Dry skim milk (animal feed)....	1,396	1,148	1,034	-26	-10
Dry buttermilk.....	7,368	4,047	4,940	-33	+22

<sup>1/</sup> Stocks held by manufacturers at all points, also those in transit and those contracted for sale but not delivered.

<sup>2/</sup> Revised to include late reports.

Table 5.-Dry milk: Manufacturers' reported shipments at specified price ranges, f.o.b. plant, September 1966 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	
<u>Cents</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>
9 -9½	-	-	6,980	-	-	-
10½-11	-	-	1,260	-	-	-
11 -11½	-	-	28,675	-	-	-
12 -12½	-	-	2,300	-	3,200	-
13 -13½	-	-	5,520	-	-	-
13½-14	-	-	6,745	-	-	-
14 -14½	-	-	26,021	-	7,422	-
14½-15	-	12,301	19,520	-	42,225	-
15 -15½	-	105,650	20,978	-	-	-
15½-16	-	-	5,155	-	8,450	-
16 -16½	-	-	60,500	7,500	104,350	-
16½-17	-	-	2,500	-	-	-
17 -17½	-	19,600	63,216	5,000	5,567	-
17½-18	865,309	-	93,484	-	-	-
18 -18½	357,135	-	7,122	21,550	130,400	-
18½-19	-	36,800	-	46,500	-	-
19 -19½	4,176,343	109,320	4,250	191,438	-	-
19½-20	18,236,117	268,900	8,300	-	-	-
20 -20½	15,441,109	504,560	-	431,600	-	-
20½-21	5,963,035	918,455	-	179,900	-	-
21 -21½	1,655,200	45,602	-	150,600	-	-
21½-22	4,476,918	116,862	-	178,000	-	-
22 -22½	1,812,074	9,200	-	480,500	-	-
22½-23	6,261,334	58,600	-	195,200	-	-
23 -23½	1,453,494	-	-	112,500	-	-
23½-24	403,650	90,433	-	151,900	-	-
24½-25	38,240	-	-	-	-	-
25 -25½	1,442,530	-	-	-	-	-
33½-34½	-	-	-	-	-	73,678
34½-35½	-	-	-	-	-	67,450
37½-38½	-	-	-	-	-	226,669
38½-39½	-	-	-	-	-	309,480
39½-40½	-	-	-	-	-	568,200
40½-41½	-	-	-	-	-	1,753,852
41½-42½	-	-	-	-	-	64,600
42½-43½	-	-	-	-	-	797,230
43½-44½	-	-	-	-	-	80,180
45½-46½	-	-	-	-	-	336,303
50½-51½	-	-	-	-	-	221,950
53½-54½	-	-	-	-	-	327,494
54½-55½	-	-	-	-	-	446,348
58½-59½	-	-	-	-	-	699,915

1/ Excludes shipments for which prices were not reported. For total reported see table 6.

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 6.-Dry milk: Manufacturers' reported shipments, September 1966 <sup>1/</sup>

Commodity	September 1965 <sup>2/</sup>	August 1966	September 1966		
			Total	Change from--	
				September 1965	August 1966
	1,000 <u>pounds</u>	1,000 <u>pounds</u>	1,000 <u>pounds</u>	<u>Percent</u>	<u>Percent</u>
Dry whole milk.....	5,883	6,894	6,372	+ 8	- 8
Nonfat dry milk (human food):					
Spray process <sup>3/</sup> .....	120,766	103,093	81,999	-32	-20
Roller process.....	3,384	2,905	2,296	-32	-21
Total.....	124,150	105,998	84,295	-32	-20
Dry skim milk (animal feed).....	1,410	1,003	496	-65	-51
Dry buttermilk:					
For human food.....	4,389	3,390	2,747	-37	-19
For animal feed.....	650	354	345	-47	- 3
Total.....	5,039	3,744	3,092	-39	-17

<sup>1/</sup> Includes shipments for which prices were not reported.

<sup>2/</sup> Revised.

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

Table 7.-Dry milk: Manufacturers' average selling price per pound f.o.b. plant, September 1966 <sup>1/</sup>

Commodity	September 1960-64	September 1965	August 1966	September 1966
	<u>Cents</u>	<u>Cents</u>	<u>Cents</u>	<u>Cents</u>
Nonfat dry milk: <sup>2/</sup>				
Spray process <sup>3/</sup> .....	14.68	14.76	20.26	20.65
Roller process.....	13.53	14.39	19.99	20.24
Spray and roller.....	14.60	14.75	20.25	20.64
Dry skim animal feed.....	10.77	12.37	16.54	15.92
Nonfat and dry skim.....	14.57	14.72	20.22	20.61
Dry buttermilk:				
Human food.....	13.79	14.46	20.87	20.34
Animal feed.....	10.77	12.74	16.41	16.65
Human and animal.....	13.25	14.28	20.45	19.93
Dry whole milk:				
Pkgs. over 5 lbs. <sup>4/</sup> .....	31.17	32.25	39.20	41.10
Total <sup>5/</sup> .....	36.41	34.53	42.56	45.04

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

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

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

<sup>4/</sup> Includes barrels and drums.

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

Table 8.-Evaporated whole milk: Manufacturers' average selling price per case of 48 14½-oz. cans, in carlots, by geographic divisions, September 1966 1/

Geographic division	September 1965	August 1966	September 1966
	Dollars	Dollars	Dollars
New England.....	6.08	7.04	7.15
Middle Atlantic.....	5.96	6.85	6.99
South Atlantic.....	6.04	6.94	7.08
East North Central.....	6.08	6.86	6.99
West North Central.....	6.21	6.89	7.02
South Central.....	6.19	6.96	7.12
North Western 2/.....	6.39	7.20	7.23
South Western 3/.....	6.16	6.86	7.10
United States.....	6.11	6.93	7.07

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 9.-Milk bought by condenseries primarily for evaporated milk: Average price and fat test, by States, September 1966 1/

State and division	September 1965 2/			August 1966			September 1966		
	Milk price per 100 pounds	Milkfat		Milk price per 100 pounds	Milkfat		Milk price per 100 pounds	Milkfat	
		Test	Price per pound		Test	Price per pound		Test	Price per pound
	Dollars	Percent	Dollars	Dollars	Percent	Dollars	Dollars	Percent	Dollars
Md. ....	3.37	3.98	.85	4.31	3.87	1.11	4.44	4.06	1.09
Va. ....	3.39	4.16	.81	4.10	3.98	1.03	4.26	4.15	1.03
S.Atl. 3/	3.42	4.18	.82	4.24	4.01	1.06	4.39	4.19	1.05
Ohio.....	3.32	3.85	.86	4.09	3.77	1.08	4.25	3.85	1.10
Ind. ....	3.38	3.83	.88	4.16	3.71	1.12	4.38	3.82	1.15
Mich. ....	3.22	3.69	.87	4.11	3.60	1.14	4.22	3.67	1.15
Wis. ....	3.59	3.79	.95	4.48	3.58	1.25	4.59	3.68	1.25
E.N.C. 3/	3.38	3.79	.89	4.19	3.66	1.14	4.33	3.74	1.16
Mo. ....	3.57	4.20	.85	4.24	3.92	1.08	4.33	4.07	1.06
Kans. ....	3.29	3.75	.88	4.08	3.52	1.16	4.22	3.71	1.14
W.N.C. 3/	3.51	4.00	.88	4.19	3.80	1.10	4.30	3.98	1.08
Ky. ....	3.41	4.21	.81	4.06	4.02	1.01	4.15	4.13	1.00
Tenn. ....	3.47	4.29	.81	4.20	4.10	1.02	4.47	4.29	1.04
Miss. ....	3.55	4.32	.82	4.21	4.11	1.02	4.44	4.32	1.03
Ark. ....	3.54	4.14	.86	4.24	3.91	1.08	4.36	4.06	1.07
S.Cent.3/	3.46	4.24	.82	4.15	4.05	1.02	4.33	4.20	1.03
Calif. ...	3.45	3.74	.92	4.12	3.64	1.13	4.31	3.71	1.16
S.W. 3/..	3.48	3.73	.93	4.08	3.60	1.13	4.28	3.68	1.16
U.S. 3/	3.44	3.98	.86	4.15	3.82	1.09	4.31	3.96	1.09

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

2/ Revised.

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

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POSTAGE AND FEES PAID  
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OFFICIAL BUSINESS

Table 10.-Milk bought by condenseries: Quantity bought, and number of producers, September 1966 <sup>1/</sup>

Item	Average September 1960-64	September 1965 <sup>2/</sup>	September 1966
Milk bought from producers..... pounds	418,774,000	313,659,000	293,001,000
Producers..... number	76,000	52,000	45,000
Average per producer per day... pounds	183.7	199.9	218.2
Change in purchases per producer:			
1966 from 1965..... percent	XXXXX	XXXXX	+ 9.2
1966 from 5-year average.... percent	XXXXX	XXXXX	+18.8

<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.