

Dairy Products



USDA
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March 1999 Highlights

American type cheese production totaled 314 million pounds, 10.3 percent above March 1998 and 13.1 percent above February 1999.

Total cheese output (excluding cottage cheese) was 688 million pounds, 6.4 percent above March 1998 and 14.6 percent above February 1999.

Cream cottage cheese production was 30.7 million pounds, 3.3 percent below March 1998 but 12.6 percent above February 1999.

Lowfat cottage cheese production was 34.3 million pounds, 9.5 percent above March 1998 and 23.0 percent above February 1999.

Butter production was 109 million pounds in March, 2.5 percent above March 1998 but 1.9 percent below February 1999.

Frozen dessert: (comparisons with March 1998)

Ice cream, Regular (hard) --- 75.4 million gallons, down 3.7 percent.

Ice cream, Lowfat (total) --- 30.5 million gallons, down 12.3 percent.

Ice cream, Nonfat (hard) --- 2.43 million gallons, down 35.7 percent.

Sherbet (hard) --- 4.67 million gallons, up 3.3 percent.

Frozen Yogurt (total) --- 8.78 million gallons, up 6.3 percent.

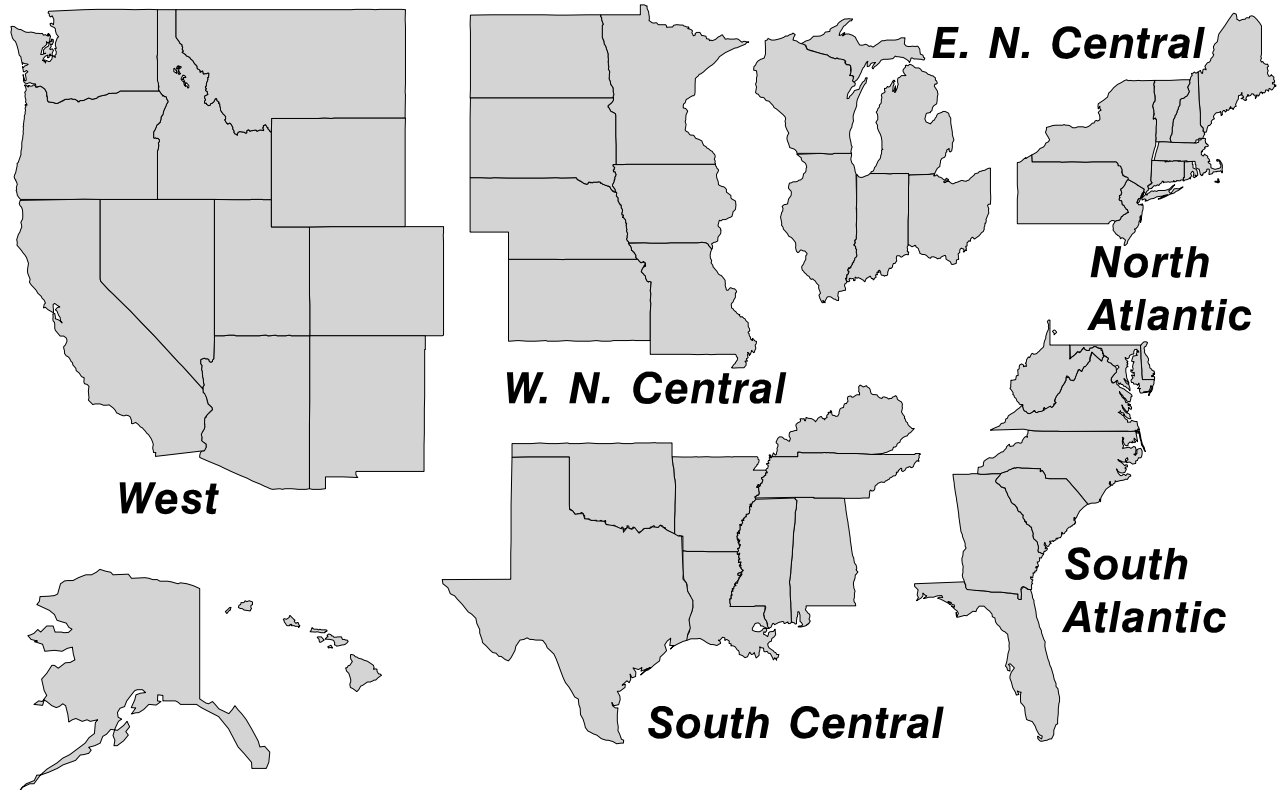
Dry milk products: (comparisons with March 1998)

Nonfat dry milk for human food --- 128 million pounds, up 20.2 percent.

Dry whole milk --- 9.54 million pounds, down 19.1 percent.

Dry buttermilk --- 5.41 million pounds, up 4.8 percent.

U. S. Geographic Regions Manufactured Dairy



State totals are not published when fewer than 3 firms have reported or one firm comprises more than 60 percent of the State total. The map above outlines the regions used in the product tables. If we are not able to publish a region for confidentiality reasons, it will be combined with other regions when possible. For example, if North Atlantic can not be published, then it will be combined with South Atlantic to publish Atlantic. The West North Central and East North Central will be combined, if necessary, to form North Central. In the event that neither could be published, they will be combined with South Central to publish Central. Some tables will have only one or two regions shown, therefore the regions may not add to the United States total.

**Dairy Products: Production by Product,
United States, March, 1998-99**

Product	Mar 1998	Feb 1999 ¹	Mar 1999	Change From	
				Mar 1998	Feb 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
Butter	106,688	111,520	109,351	2.5	-1.9
Cheese					
American Types ²	284,288	277,289	313,577	10.3	13.1
Cheddar	227,164	218,795	252,099	11.0	15.2
Swiss	17,894	16,658	17,261	-3.5	3.6
Brick and Muenster	8,886	7,218	7,682	-13.5	6.4
Cream and Neufchatel	53,073	42,179	52,566	-1.0	24.6
Blue	3,375	3,736	4,526	34.1	21.1
Hispanic	7,029	6,429	7,905	12.5	23.0
Mozzarella	205,325	192,356	220,219	7.3	14.5
Other Italian Types	56,463	46,144	54,120	-4.1	17.3
Total Italian Types	261,788	238,500	274,339	4.8	15.0
All Other Types	10,232	8,233	9,942	-2.8	20.8
Total	646,565	600,242	687,798	6.4	14.6
Cottage Cheese, Curd ³	40,682	34,500	40,124	-1.4	16.3
Cottage Cheese, Cream ⁴	31,774	27,297	30,725	-3.3	12.6
Cottage Cheese, Lowfat ⁵	31,322	27,879	34,297	9.5	23.0
Canned Evaporated and Condensed Whole Milk	36,198	28,517	36,149	-0.1	26.8
Dry Whole Milk	11,797	10,330	9,544	-19.1	-7.6
Nonfat Dry Milk, Human	106,702	115,788	128,297	20.2	10.8
Dry Skim Milk, Animal	435	332	450	3.4	35.5
Dry Buttermilk	5,158	5,703	5,406	4.8	-5.2
Yogurt, Plain & Flavored	162,135	133,122	156,207	-3.7	17.3
	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>Percent</i>	<i>Percent</i>
Frozen Products					
Ice Cream, Hard	78,283	63,118	75,352	-3.7	19.4
Ice Cream, Lowfat, Hard	9,392	7,453	9,087	-3.2	21.9
Ice Cream, Lowfat, Soft	25,375	16,388	21,412	-15.6	30.7
Ice Cream, Lowfat, Total	34,767	23,841	30,499	-12.3	27.9
Ice Cream, Nonfat, Hard	3,771	2,063	2,426	-35.7	17.6
Sherbet, Hard	4,519	3,671	4,666	3.3	27.1
Water and Juice Ices	6,620	5,486	8,468	27.9	54.4
Frozen Yogurt, Total	8,259	7,167	8,783	6.3	22.5
Regular & Lowfat, Hard	2,784	2,650	3,404	22.3	28.5
Nonfat, Hard	2,255	1,450	1,661	-26.3	14.6
Other Frozen Dairy Products	1,293	1,164	1,264	-2.2	8.6
Mix for Frozen Products					
Ice Cream Mix	43,254	34,282	41,050	-5.1	19.7
Ice Cream, Lowfat, Mix	18,490	14,848	19,057	3.1	28.3
Ice Cream, Nonfat, Mix	2,243	1,185	1,445	-35.6	21.9
Sherbet Mix	3,144	2,570	3,343	6.3	30.1
Yogurt Mix	5,227	4,536	5,559	6.4	22.6

¹ Revised.

² Includes Cheddar, Colby, Monterey, and Jack.

³ Mostly used for processing into cream or lowfat cottage cheese.

⁴ Fat content 4 percent or more.

⁵ Fat content less than 4 percent.

**Whey and Modified Whey Products: Production, Stocks,
and Prices, United States, March, 1998-99**

Product	Mar 1998	Feb 1999 ¹	Mar 1999	Change From	
				Mar 1998	Feb 1999
Production					
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
Condensed Whey, Solids Content ²					
Sweet-Type, Human	9,501	5,636	7,147	-24.8	26.8
Sweet-Type, Animal	2,293	1,269	1,636	-28.7	28.9
Dry Whey Products					
Dry Whey, Human	92,256	83,576	94,656	2.6	13.3
Dry Whey, Animal	6,626	5,931	6,657	0.5	12.2
Reduced Lactose and Minerals					
Human Food	6,016	7,819	7,181	19.4	-8.2
Animal Feed	2,647	2,427	2,746	3.7	13.1
Lactose, Human and Animal	42,604	36,283	43,657	2.5	20.3
Whey					
Solids in Wet Blends, Animal	3,474	3,700	2,800	-19.4	-24.3
Protein Concentrate, Human	20,129	23,681	27,735	37.8	17.1
Protein Concentrate, Animal	3,300	3,515	3,608	9.3	2.6
Manufacturers' Stocks End-of-Month ³					
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
Dry Whey Products					
Dry Whey, Human	32,148	41,359	46,712	45.3	12.9
Dry Whey, Animal	2,956	6,252	5,970	102.0	-4.5
Reduced Lactose and Minerals					
Human and Animal ⁴	7,386	10,698	11,493	55.6	7.4
Lactose, Human and Animal	24,210	24,557	26,696	10.3	8.7
Whey Protein Concentrate, Human	11,029	17,408	19,713	78.7	13.2
Whey Protein Concentrate, Animal	1,003	1,910	1,572	56.7	-17.7
Manufacturers' Selling Price ⁵					
	<i>Cents per Pound</i>	<i>Cents per Pound</i>	<i>Cents per Pound</i>	<i>Cents Change</i>	<i>Cents Change</i>
Dry Whey, Animal	22.1	18.1	17.6	-4.5	-0.5

¹ Revised.

² Final marketable product only. Does not include quantity used or shipped to another plant for further processing into dry whey or modified whey products.

³ Stocks held by manufacturers at all points and in transit.

⁴ Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

⁵ Prices for bulk goods, f.o.b. plant. Average monthly prices reported by firms.

**Dairy Products: Production by Product and Month,
United States, 1998-99 ¹**

Product and Month	By Month			Cumulative		
	1998	1999	Change From 1998	1998	1999	Change From 1998
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>
Total Cheese						
Jan	617,438	638,727	3.4	617,438	638,727	3.4
Feb	574,148	600,242	4.5	1,191,586	1,238,969	4.0
Mar	646,565	687,798	6.4	1,838,151	1,926,767	4.8
Apr	639,077			2,477,228		
May	652,554			3,129,782		
Jun	642,070			3,771,852		
Jul	610,087			4,381,939		
Aug	598,644			4,980,583		
Sep	584,112			5,564,695		
Oct	632,137			6,196,832		
Nov	636,582			6,833,414		
Dec	668,489			7,501,903		
American Cheese						
Jan	284,006	289,680	2.0	284,006	289,680	2.0
Feb	261,709	277,289	6.0	545,715	566,969	3.9
Mar	284,288	313,577	10.3	830,003	880,546	6.1
Apr	288,015			1,118,018		
May	298,507			1,416,525		
Jun	287,835			1,704,360		
Jul	277,738			1,982,098		
Aug	261,310			2,243,408		
Sep	244,913			2,488,321		
Oct	266,840			2,755,161		
Nov	270,560			3,025,721		
Dec	300,115			3,325,836		
Cheddar Cheese						
Jan	230,226	233,772	1.5	230,226	233,772	1.5
Feb	207,423	218,795	5.5	437,649	452,567	3.4
Mar	227,164	252,099	11.0	664,813	704,666	6.0
Apr	231,964			896,777		
May	243,230			1,140,007		
Jun	227,815			1,367,822		
Jul	219,739			1,587,561		
Aug	206,666			1,794,227		
Sep	189,518			1,983,745		
Oct	205,430			2,189,175		
Nov	215,065			2,404,240		
Dec	240,789			2,645,029		

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,
United States, 1998-99¹ (continued)**

Product and Month	By Month			Cumulative		
	1998	1999	Change From 1998	1998	1999	Change From 1998
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>
Italian Cheese						
Jan	244,327	259,034	6.0	244,327	259,034	6.0
Feb	229,028	238,500	4.1	473,355	497,534	5.1
Mar	261,788	274,339	4.8	735,143	771,873	5.0
Apr	253,555			988,698		
May	259,013			1,247,711		
Jun	251,997			1,499,708		
Jul	241,344			1,741,052		
Aug	241,050			1,982,102		
Sep	233,550			2,215,652		
Oct	255,749			2,471,401		
Nov	262,554			2,733,955		
Dec	267,151			3,001,106		
Mozzarella Cheese						
Jan	187,870	203,828	8.5	187,870	203,828	8.5
Feb	180,746	192,356	6.4	368,616	396,184	7.5
Mar	205,325	220,219	7.3	573,941	616,403	7.4
Apr	198,395			772,336		
May	206,571			978,907		
Jun	198,521			1,177,428		
Jul	192,730			1,370,158		
Aug	190,823			1,560,981		
Sep	185,248			1,746,229		
Oct	200,272			1,946,501		
Nov	206,800			2,153,301		
Dec	210,868			2,364,169		
Other Italian						
Jan	56,457	55,206	-2.2	56,457	55,206	-2.2
Feb	48,282	46,144	-4.4	104,739	101,350	-3.2
Mar	56,463	54,120	-4.1	161,202	155,470	-3.6
Apr	55,160			216,362		
May	52,442			268,804		
Jun	53,476			322,280		
Jul	48,614			370,894		
Aug	50,227			421,121		
Sep	48,302			469,423		
Oct	55,477			524,900		
Nov	55,754			580,654		
Dec	56,283			636,937		

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,
United States, 1998-99¹ (continued)**

Product and Month	By Month			Cumulative		
	1998	1999	Change From 1998	1998	1999	Change From 1998
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>
Butter						
Jan	117,810	123,336	4.7	117,810	123,336	4.7
Feb	105,687	111,520	5.5	223,497	234,856	5.1
Mar	106,688	109,351	2.5	330,185	344,207	4.2
Apr	107,072			437,257		
May	92,553			529,810		
Jun	69,886			599,696		
Jul	63,766			663,462		
Aug	64,254			727,716		
Sep	68,218			795,934		
Oct	88,497			884,431		
Nov	91,128			975,559		
Dec	106,320			1,081,879		
Nonfat Dry Milk, Human						
Jan	104,796	120,027	14.5	104,796	120,027	14.5
Feb	98,435	115,788	17.6	203,231	235,815	16.0
Mar	106,702	128,297	20.2	309,933	364,112	17.5
Apr	119,740			429,673		
May	119,730			549,403		
Jun	99,418			648,821		
Jul	85,661			734,482		
Aug	78,842			813,324		
Sep	62,306			875,630		
Oct	75,039			950,669		
Nov	73,851			1,024,520		
Dec	110,863			1,135,383		
Total Dry Whey²						
Jan	100,070	97,028	-3.0	100,070	97,028	-3.0
Feb	93,534	89,507	-4.3	193,604	186,535	-3.7
Mar	98,882	101,313	2.5	292,486	287,848	-1.6
Apr	98,817			391,303		
May	105,661			496,964		
Jun	104,635			601,599		
Jul	104,767			706,366		
Aug	99,221			805,587		
Sep	89,558			895,145		
Oct	90,776			985,921		
Nov	92,085			1,078,006		
Dec	101,818			1,179,824		

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,
United States, 1998-99¹ (continued)**

Product and Month	By Month			Cumulative		
	1998	1999	Change From 1998	1998	1999	Change From 1998
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>
Cream Cottage Cheese						
Jan	29,110	26,028	-10.6	29,110	26,028	-10.6
Feb	28,299	27,297	-3.5	57,409	53,325	-7.1
Mar	31,774	30,725	-3.3	89,183	84,050	-5.8
Apr	30,366			119,549		
May	30,484			150,033		
Jun	31,405			181,438		
Jul	34,197			215,635		
Aug	32,138			247,773		
Sep	31,842			279,615		
Oct	30,438			310,053		
Nov	28,004			338,057		
Dec	28,704			366,761		
Lowfat Cottage Cheese						
Jan	28,613	26,586	-7.1	28,613	26,586	-7.1
Feb	28,122	27,879	-0.9	56,735	54,465	-4.0
Mar	31,322	34,297	9.5	88,057	88,762	0.8
Apr	30,762			118,819		
May	30,510			149,329		
Jun	31,669			180,998		
Jul	32,367			213,365		
Aug	30,179			243,544		
Sep	32,896			276,440		
Oct	30,248			306,688		
Nov	28,058			334,746		
Dec	27,130			361,876		
	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>Percent</i>	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>Percent</i>
Ice Cream, Hard						
Jan	60,756	57,387	-5.5	60,756	57,387	-5.5
Feb	67,219	63,118	-6.1	127,975	120,505	-5.8
Mar	78,283	75,352	-3.7	206,258	195,857	-5.0
Apr	81,406			287,664		
May	80,569			368,233		
Jun	88,896			457,129		
Jul	86,715			543,844		
Aug	77,070			620,914		
Sep	72,851			693,765		
Oct	64,844			758,609		
Nov	51,471			810,080		
Dec	55,458			865,538		

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,
United States, 1998-99¹ (continued)**

Product and Month	By Month			Cumulative		
	1998	1999	Change From 1998	1998	1999	Change From 1998
	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>Percent</i>	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>Percent</i>
Ice Cream, Lowfat						
Jan	24,961	20,337	-18.5	24,961	20,337	-18.5
Feb	27,505	23,841	-13.3	52,466	44,178	-15.8
Mar	34,767	30,499	-12.3	87,233	74,677	-14.4
Apr	37,631			124,864		
May	40,951			165,815		
Jun	45,254			211,069		
Jul	44,175			255,244		
Aug	39,762			295,006		
Sep	34,602			329,608		
Oct	29,060			358,668		
Nov	24,739			383,407		
Dec	25,911			409,318		
Ice Cream, NF, Hard						
Jan	3,135	2,167	-30.9	3,135	2,167	-30.9
Feb	3,049	2,063	-32.3	6,184	4,230	-31.6
Mar	3,771	2,426	-35.7	9,955	6,656	-33.1
Apr	3,459			13,414		
May	3,593			17,007		
Jun	3,931			20,938		
Jul	3,552			24,490		
Aug	3,388			27,878		
Sep	3,127			31,005		
Oct	2,917			33,922		
Nov	2,483			36,405		
Dec	2,379			38,784		
Sherbet, Hard						
Jan	3,465	3,170	-8.5	3,465	3,170	-8.5
Feb	3,654	3,671	0.5	7,119	6,841	-3.9
Mar	4,519	4,666	3.3	11,638	11,507	-1.1
Apr	4,585			16,223		
May	4,832			21,055		
Jun	5,466			26,521		
Jul	5,466			31,987		
Aug	5,017			37,004		
Sep	4,013			41,017		
Oct	3,547			44,564		
Nov	3,102			47,666		
Dec	3,368			51,034		
Frozen Yogurt						
Jan	5,998	5,946	-0.9	5,998	5,946	-0.9
Feb	6,524	7,167	9.9	12,522	13,113	4.7
Mar	8,259	8,783	6.3	20,781	21,896	5.4
Apr	8,055			28,836		
May	7,663			36,499		
Jun	8,219			44,718		
Jul	8,466			53,184		
Aug	7,584			60,768		
Sep	8,641			69,409		
Oct	6,783			76,192		
Nov	5,829			82,021		
Dec	5,756			87,777		

¹ February 1999 data revised.

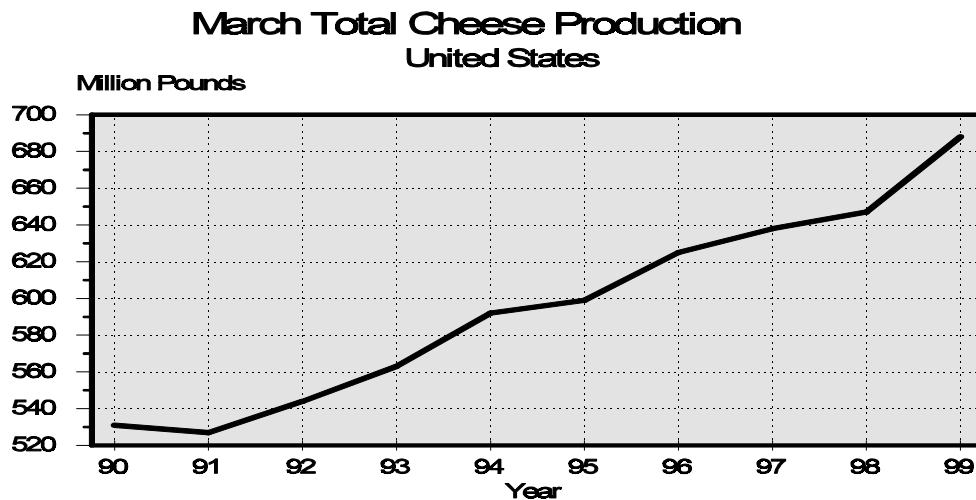
² Excludes all modified dry whey products.

Total Cheese, Excluding Cottage Cheese: Production by State and United States, March 1998-99

State	Mar 1998	Feb ¹ 1999	Mar 1999	Change From	
				Mar 1998	Feb 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	105,740	103,930	119,239	12.8	14.7
ID	42,084	40,522	46,867	11.4	15.7
IL	10,021	7,774	8,691	-13.3	11.8
IA	22,174	19,632	22,549	1.7	14.9
MA	85	61	100	17.6	63.9
MN	55,636	53,662	59,243	6.5	10.4
MO	15,017	9,771	13,494	-10.1	38.1
NE	8,272				
NY	53,940	50,990	59,204	9.8	16.1
ND	1,666	2,564	2,668	60.1	4.1
OH	10,082	9,775	11,482	13.9	17.5
PA	33,760	25,579	34,001	0.7	32.9
SD	12,265	9,931	12,431	1.4	25.2
UT	4,029	5,140	6,321	56.9	23.0
WA	14,160	9,962	13,104	-7.5	31.5
WI	180,847	168,579	183,328	1.4	8.7
Oth Sts ²	76,787	82,370	95,076		15.4
US	646,565	600,242	687,798	6.4	14.6
N Atlantic	100,363	89,773	107,277	6.9	19.5
S Atlantic	2,560	3,337	3,910	52.7	17.2
E N Central	211,724	198,187	217,044	2.5	9.5
W N Central	118,144	102,636	116,612	-1.3	13.6
S Central	4,615	3,482	4,618	0.1	32.6
West	209,159	202,827	238,337	14.0	17.5

¹ Revised.

² States not shown when fewer than 3 plants reported or individual plant operations could be disclosed. Percent change shown only when comparable States are included in the calculation.



American Cheese: Production by State and United States, March 1998-99

State	Mar 1998	Feb ¹ 1999	Mar 1999	Change From	
				Mar 1998	Feb 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	43,413	46,476	54,178	24.8	16.6
ID	38,708	38,431	42,828	10.6	11.4
IA	9,100	8,908	9,469	4.1	6.3
MN	47,633	48,583	55,258	16.0	13.7
ND	1,666	2,564	2,668	60.1	4.1
OH	2,944	2,714	3,371	14.5	24.2
OR	4,607	4,370	4,752	3.1	8.7
SD	4,707	4,155	5,120	8.8	23.2
TN	1				
UT	1,534	2,429	3,025	97.2	24.5
WA	8,888	8,046	11,145	25.4	38.5
WI	80,062	74,020	80,885	1.0	9.3
Oth Sts ²	41,025	36,593	40,878	-0.4	11.7
US	284,288	277,289	313,577	10.3	13.1
Atlantic	12,257	13,439	14,294	16.6	6.4
E N Central	84,478	78,420	86,407	2.3	10.2
W N Central	70,037	67,757	77,084	10.1	13.8
S Central	4,438	3,255	4,305	-3.0	32.3
West	113,078	114,418	131,487	16.3	14.9

¹ Revised.

² States not shown when fewer than 3 plants reported or individual plant operations could be disclosed. Percent change shown only when comparable States are included in the calculation.

Cheddar Cheese: Production by State and United States, March 1998-99

State	Mar 1998	Feb ¹ 1999	Mar 1999	Change From	
				Mar 1998	Feb 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	32,105	33,418	40,476	26.1	21.1
ID	23,490	24,742	28,214	20.1	14.0
MN	45,466	46,983	53,656	18.0	14.2
NY	7,523	7,837	8,966	19.2	14.4
WI	65,425	59,000	66,000	0.9	11.9
Oth Sts ²	53,155	46,815	54,787	3.1	17.0
US	227,164	218,795	252,099	11.0	15.2
Atlantic	11,440	12,668	13,621	19.1	7.5
E N Cen	67,132	61,021	68,827	2.5	12.8
W N Cen	59,429	56,397	64,795	9.0	14.9
S Cen	4,438	3,255	4,305	-3.0	32.3
West	84,725	85,454	100,551	18.7	17.7

¹ Revised.

² States not shown when fewer than 3 plants reported or individual plant operations could be disclosed. Percent change shown only when comparable States are included in the calculation.

Mozzarella Cheese: Production by State and United States, March 1998-99

State	Mar 1998	Feb ¹ 1999	Mar 1999	Change From	
				Mar 1998	Feb 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	47,172	47,237	52,697	11.7	11.6
ID	482	84	287	-40.5	241.7
NY	17,207	17,734	19,863	15.4	12.0
WI	56,337	52,100	55,140	-2.1	5.8
Oth Sts ²	84,127	75,201	92,232	9.6	22.6
US	205,325	192,356	220,219	7.3	14.5
Atlantic	43,638	39,567	47,346	8.5	19.7
E N Central	67,221	64,147	68,515	1.9	6.8
W N Central	20,115	15,920	17,523	-12.9	10.1
West	74,351	72,722	86,835	16.8	19.4

¹ Revised.

² States not shown when fewer than 3 plants reported or individual plant operations could be disclosed. Percent change shown only when comparable States are included in the calculation.

Butter: Production by State and United States, March 1998-99

State	Mar 1998	Feb ¹ 1999	Mar 1999	Change From	
				Mar 1998	Feb 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	21,243	25,079	23,886	12.4	-4.8
MN	4,723	5,319	5,660	19.8	6.4
NY	2,058	2,347	2,388	16.0	1.7
ND	359	301	428	19.2	42.2
OR	1,979	2,400	2,750	39.0	14.6
PA	8,881	6,742	7,512	-15.4	11.4
WA	6,007	8,412	7,982	32.9	-5.1
WI	28,504	30,040	27,800	-2.5	-7.5
Oth Sts ²	32,934	30,880	30,945	-6.0	0.2
US	106,688	111,520	109,351	2.5	-1.9
N Atlantic	14,196	13,051	13,835	-2.5	6.0
S Atlantic	4,488	3,529	3,021	-32.7	-14.4
E N Central	36,259	38,158	35,903	-1.0	-5.9
W N Central	10,162	10,748	11,152	9.7	3.8
S Central	10,823	9,991	10,263	-5.2	2.7
West	30,760	36,043	35,177	14.4	-2.4

¹ Revised.

² States not shown when fewer than 3 plants reported or individual plant operations could be disclosed. Percent change shown only when comparable States are included in the calculation.

**Nonfat Dry Milk, Human: Production by State
and United States, March 1998-99**

State	Mar 1998	Feb ¹ 1999	Mar 1999	Change From	
				Mar 1998	Feb 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	42,066	46,623	57,108	35.8	22.5
MN & WI	1,710	1,956	2,010	17.5	2.8
NM	4,938	4,934	6,085	23.2	23.3
ND		72	139		93.1
PA	9,096	7,657	9,950	9.4	29.9
WA	12,526	14,652	13,901	11.0	-5.1
Oth Sts ²	36,366	39,894	39,104	7.5	-2.0
US	106,702	115,788	128,297	20.2	10.8
Atlantic	22,854	21,264	22,079	-3.4	3.8
E N Central	3,208	6,824	6,461	101.4	-5.3
W N Central	7,346	8,736	9,029	22.9	3.4
S Central	8,874	6,143	6,384	-28.1	3.9
West	64,420	72,821	84,344	30.9	15.8

¹ Revised.

² States not shown when fewer than 3 plants reported or individual plant operations could be disclosed. Percent change shown only when comparable States are included in the calculation.

**Dry Whey, Human: Production by State
and United States, March 1998-99**

State	Mar 1998	Feb ¹ 1999	Mar 1999	Change From	
				Mar 1998	Feb 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	9,549	8,724	10,243	7.3	17.4
MN	9,256	7,895	9,034	-2.4	14.4
NY	9,698	9,465	9,847	1.5	4.0
PA	9,508	9,245	9,894	4.1	7.0
UT	1,289	1,628	2,261	75.4	38.9
WA	7,413	4,729	7,135	-3.8	50.9
WI	24,193	21,500	23,000	-4.9	7.0
Oth Sts ²	21,350	20,390	23,242	8.9	14.0
US	92,256	83,576	94,656	2.6	13.3
Atlantic	20,507	18,710	19,741	-3.7	5.5
Central	43,095	38,309	42,050	-2.4	9.8
West	28,654	26,557	32,865	14.7	23.8

¹ Revised.

² States not shown when fewer than 3 plants reported or individual plant operations could be disclosed. Percent change shown only when comparable States are included in the calculation.

**Lactose: Production by State and
United States, March 1998-99**

State	Mar 1998	Feb ¹ 1999	Mar 1999	Change From	
				Mar 1998	Feb 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
MN	12,680	7,768	8,004	-36.9	3.0
WI	9,516	7,565	9,160	-3.7	21.1
Oth Sts ²	20,408	20,950	26,493	29.8	26.5
US	42,604	36,283	43,657	2.5	20.3
E N Central	10,504	8,662	10,265	-2.3	18.5
W N Central	18,225	13,011	14,110	-22.6	8.4
West	12,290	13,282	17,536	42.7	32.0

¹ Revised.

² States not shown when fewer than 3 plants reported or individual plant operations could be disclosed. Percent change shown only when comparable States are included in the calculation.

**Whey Protein Concentrate, Human: Production by State
and United States, March 1998-99**

State	Mar 1998	Feb ¹ 1999	Mar 1999	Change From	
				Mar 1998	Feb 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	4,446	6,777	8,483	90.8	25.2
MN	4,614	4,333	4,654	0.9	7.4
WI	2,220	2,649	4,861	119.0	83.5
Oth Sts ²	8,849	9,922	9,737	10.0	-1.9
US	20,129	23,681	27,735	37.8	17.1

¹ Revised.

² States not shown when fewer than 3 plants reported or individual plant operations could be disclosed. Percent change shown only when comparable States are included in the calculation.

Ice Cream, Hard: Production by State and United States, March 1998-99

State	Mar 1998	Feb ¹ 1999	Mar 1999	Change From	
				Mar 1998	Feb 1999
	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>Percent</i>	<i>Percent</i>
CA	9,775	8,001	9,721	-0.6	21.5
FL	2,222	1,650	1,900	-14.5	15.2
GA	666	592	753	13.1	27.2
IL	3,564	2,580	3,580	0.4	38.8
IN	6,429	4,967	5,600	-12.9	12.7
ME	227	148	150	-33.9	1.4
MD	1,801	1,389	1,562	-13.3	12.5
MA	4,720	3,439	4,824	2.2	40.3
MI	1,930	750	1,090	-43.5	45.3
MN	3,774	3,180	3,733	-1.1	17.4
NH	25				
NM	400	219	219	-45.3	
NY	2,547	2,500	2,800	9.9	12.0
NC	1,813	1,269	1,705	-6.0	34.4
ND	69	92	115	66.7	25.0
OH	3,797	2,280	3,400	-10.5	49.1
OR	919	600	780	-15.1	30.0
PA	3,867	3,061	4,092	5.8	33.7
SD	2	2	2		
TN	1,471	1,066	1,550	5.4	45.4
TX	4,528	4,441	4,901	8.2	10.4
UT	912	770	1,030	12.9	33.8
WA	1,825	1,168	1,872	2.6	60.3
WI	822	730	805	-2.1	10.3
Oth Sts ²	20,178	18,224	19,168		5.2
US	78,283	63,118	75,352	-3.7	19.4
N Atlantic	15,821	11,119	14,221	-10.1	27.9
S Atlantic	8,789	6,959	8,202	-6.7	17.9
E N Central	16,542	11,307	14,475	-12.5	28.0
W N Central	10,490	11,276	12,162	15.9	7.9
S Central	9,306	8,697	9,586	3.0	10.2
West	17,335	13,760	16,706	-3.6	21.4

¹ Revised.

² States not shown when fewer than 3 plants reported or individual plant operations could be disclosed. Percent change shown only when comparable States are included in the calculation.

**Canned Milk and Dry Milk Products: Manufacturers' shipments,
Stocks, and Selling Prices, March, 1998-99**

Product	Mar 1998	Feb 1999 ¹	Mar 1999	Change From	
				Mar 1998	Feb 1999
Manufacturers' Shipments ²					
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
Dry Whole Milk	8,140	8,243	8,168	0.3	-0.9
Nonfat Dry Milk, Human	99,018	71,873	91,265	-7.8	27.0
Dry Skim Milk, Animal	383	99	551	43.9	456.6
Dry Buttermilk, Human	2,447	2,583	4,457	82.1	72.6
Manufacturers' Stocks End-of-Month ³					
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
Canned Evaporated and Condensed Whole Milk	39,165	43,031	39,769	1.5	-7.6
Dry Whole Milk	6,830	6,213	6,414	-6.1	3.2
Nonfat Dry Milk, Human	95,315	107,630	118,103	23.9	9.7
Dry Skim Milk, Animal	883	1,538	1,349	52.8	-12.3
Dry Buttermilk, Total	4,514	6,593	6,030	33.6	-8.5
Manufacturers' Selling Price ⁴					
	<i>Cents per Pound</i>	<i>Cents per Pound</i>	<i>Cents per Pound</i>	<i>Cents Change</i>	<i>Cents Change</i>
Dry Whole Milk	119.28	122.21	121.81	2.53	-0.40
Dry Skim Milk, Animal	69.49	65.75	54.35	-15.14	-11.40
Dry Buttermilk, Human	97.09	77.07	74.55	-22.54	-2.52

¹ Revised.

² For dry products, shipments of bulk goods only.

³ Stocks held by manufacturers at all points and in transit.

⁴ Prices for bulk goods, f.o.b. plant. Average monthly prices reported by firms, weighted by shipments of each firm.

Procedures and Reliability: Estimates included in this report are based on data provided each month by manufacturers of these products. In 32 States, the State Departments of Agriculture assist in collection of data, which eliminates duplicate reporting and reduces respondent burden. Data are collected by mail, personal and telephone interviews following the close of each month. There were 1,340 manufacturers that made one or more products in 1998. Each month, reports are generally received from all dairy plants in States with small numbers of plants. In States with large numbers of plants, survey procedures are designed to obtain monthly reports from all large plants and from a sample of small plants. Monthly estimates are based upon returns from about 70 percent of the plants which account for 70 to 90 percent of the total production of major dairy products.

Revision Policy: Monthly production estimates are subject to revision the month following the preliminary estimates. Annual revisions are also published in the **Dairy Products** report published each April. In preparing the annual report, an attempt is made to get information from all plants.

The next "Dairy Products" report will be released at 3 p.m. ET on June 3, 1999.

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