



# Dairy Products

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## December 1999 Highlights

**American type cheese** production totaled 307 million pounds, 2.4 percent above December 1998 and 7.0 percent above November 1999.

**Total cheese** output (excluding cottage cheese) was 698 million pounds, 4.4 percent above December 1998 and 2.7 percent above November 1999.

**Cream cottage cheese** production was 26.8 million pounds, 6.7 percent below December 1998 and 6.4 percent below November 1999.

**Lowfat cottage cheese** production was 25.8 million pounds, 4.8 percent below December 1998 and 4.8 percent below November 1999.

**Butter** production was 108 million pounds in December, 1.4 percent above December 1998 and 19.3 percent above November 1999.

**Frozen dessert:** (comparisons with December 1998)

Ice cream, Regular (hard) --- 56.0 million gallons, up 0.9 percent.

Ice cream, Lowfat (total) --- 24.6 million gallons, down 5.1 percent.

Ice cream, Nonfat (hard) --- 2.38 million gallons, up 0.2 percent.

Sherbet (hard) --- 3.20 million gallons, down 5.1 percent.

Frozen Yogurt (total) --- 4.79 million gallons, down 16.8 percent.

**Dry milk products:** (comparisons with December 1998)

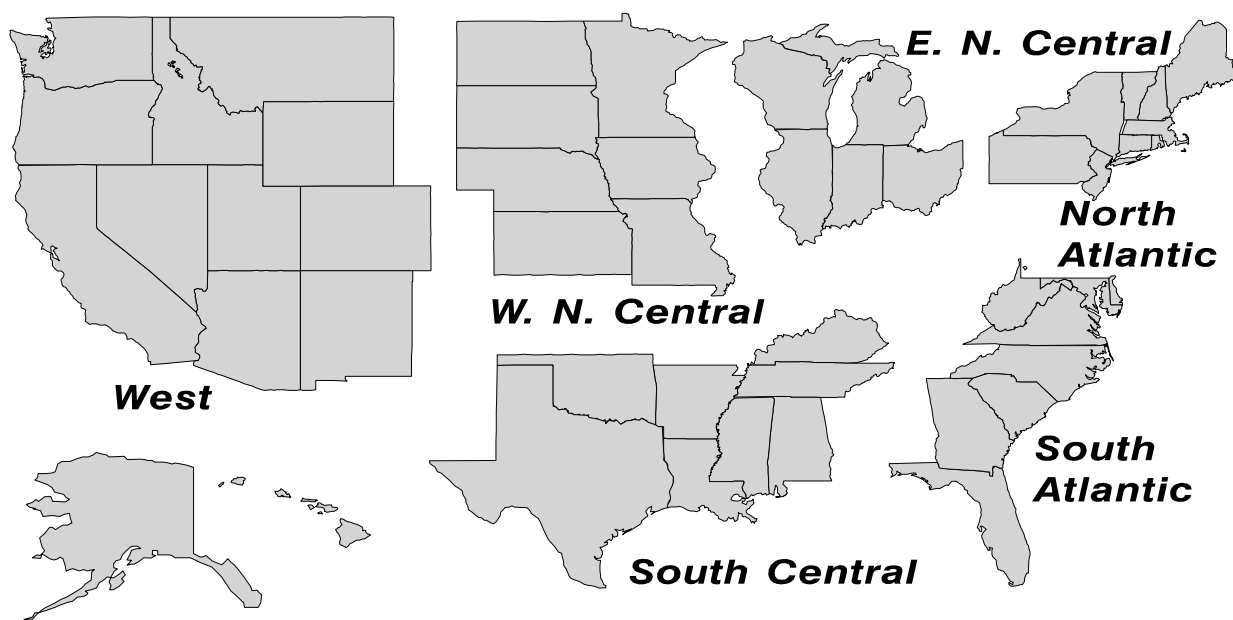
Nonfat dry milk for human food --- 129 million pounds, up 16.6 percent.

Dry whole milk --- 9.90 million pounds, up 2.0 percent.

Dry buttermilk --- 4.70 million pounds, down 10.3 percent.

## U. S. Geographic Regions Dairy Products

State totals are not published when fewer than 3 firms have reported or one firm comprises more than 60 percent of the State total. 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 For example, if North Atlantic can not be published, then it will be combined with South Atlantic to publish Atlantic.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 may be combined with South Central to publish Central. Some tables will have only limited regions shown, therefore the regions may not add to the United States total.



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

Product	Dec 1998	Nov 1999 <sup>1</sup>	Dec 1999	Change From	
				Dec 1998	Nov 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
Butter	106,320	90,358	107,790	1.4	19.3
Cheese					
American Types <sup>2</sup>	300,115	287,278	307,254	2.4	7.0
Cheddar	240,789	221,802	241,016	0.1	8.7
Swiss	15,610	16,042	16,262	4.2	1.4
Brick and Muenster	8,065	7,916	7,612	-5.6	-3.8
Cream and Neufchatel	57,641	64,679	61,631	6.9	-4.7
Blue	3,476	4,500	4,270	22.8	-5.1
Hispanic	6,394	7,086	6,939	8.5	-2.1
Mozzarella	210,868	223,354	225,186	6.8	0.8
Other Italian Types	56,283	57,875	58,493	3.9	1.1
Total Italian Types	267,151	281,229	283,679	6.2	0.9
All Other Types	10,037	10,824	10,588	5.5	-2.2
Total	668,489	679,554	698,235	4.4	2.7
Cottage Cheese, Curd <sup>3</sup>	35,556	36,148	34,763	-2.2	-3.8
Cottage Cheese, Cream <sup>4</sup>	28,704	28,596	26,767	-6.7	-6.4
Cottage Cheese, Lowfat <sup>5</sup>	27,130	27,143	25,833	-4.8	-4.8
Canned Evaporated and Condensed Whole Milk	36,049	47,889	39,820	10.5	-16.8
Dry Whole Milk	9,707	10,246	9,902	2.0	-3.4
Nonfat Dry Milk, Human	110,863	100,607	129,297	16.6	28.5
Dry Skim Milk, Animal	362	433	480	32.6	10.9
Dry Buttermilk	5,241	3,988	4,700	-10.3	17.9
Yogurt, Plain & Flavored	121,849	125,727	142,111	16.6	13.0
	<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	55,458	58,491	55,967	0.9	-4.3
Ice Cream, Lowfat, Hard	6,954	6,269	6,303	-9.4	0.5
Ice Cream, Lowfat, Soft	18,957	19,360	18,290	-3.5	-5.5
Ice Cream, Lowfat, Total	25,911	25,629	24,593	-5.1	-4.0
Ice Cream, Nonfat, Hard	2,379	2,055	2,383	0.2	16.0
Sherbet, Hard	3,368	3,457	3,195	-5.1	-7.6
Water and Juice Ices	2,843	3,343	3,181	11.9	-4.8
Frozen Yogurt, Total	5,756	5,002	4,791	-16.8	-4.2
Regular & Lowfat, Hard	2,349	1,910	1,959	-16.6	2.6
Nonfat, Hard	1,274	1,259	1,130	-11.3	-10.2
Other Frozen Dairy Products	825	1,117	983	19.2	-12.0
Mix for Frozen Products					
Ice Cream Mix	29,922	32,774	30,346	1.4	-7.4
Ice Cream, Lowfat, Mix	14,566	14,227	13,427	-7.8	-5.6
Ice Cream, Nonfat, Mix	1,402	1,317	1,365	-2.6	3.6
Sherbet Mix	2,338	2,334	2,185	-6.5	-6.4
Yogurt Mix	3,643	3,166	3,032	-16.8	-4.2

<sup>1</sup> Revised.

<sup>2</sup> Includes Cheddar, Colby, Monterey, and Jack.

<sup>3</sup> Mostly used for processing into cream or lowfat cottage cheese.

<sup>4</sup> Fat content 4 percent or more.

<sup>5</sup> Fat content less than 4 percent.

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

Product	Dec 1998	Nov 1999 <sup>1</sup>	Dec 1999	Change From	
				Dec 1998	Nov 1999
<b>Production</b>					
	<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 <sup>2</sup>					
Sweet-Type, Human	5,131	8,896	8,798	71.5	-1.1
Sweet-Type, Animal	1,398	1,041	1,104	-21.0	6.1
Dry Whey Products					
Dry Whey, Human	94,615	91,677	99,118	4.8	8.1
Dry Whey, Animal	7,203	5,741	6,310	-12.4	9.9
Reduced Lactose and Minerals					
Human Food	6,806	8,010	7,903	16.1	-1.3
Animal Feed	2,789	3,042	3,153	13.1	3.6
Lactose, Human and Animal	39,128	41,347	42,656	9.0	3.2
Whey					
Solids in Wet Blends, Animal	3,234	3,345	3,299	2.0	-1.4
Protein Concentrate, Human	24,357	29,173	28,557	17.2	-2.1
Protein Concentrate, Animal	3,585	3,402	4,667	30.2	37.2
<b>Manufacturers' Stocks End-of-Month <sup>3</sup></b>					
	<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	44,590	46,779	47,551	6.6	1.7
Dry Whey, Animal	4,835	9,019	8,773	81.4	-2.7
Reduced Lactose and Minerals					
Human and Animal <sup>4</sup>	9,856	10,823	10,164	3.1	-6.1
Lactose, Human and Animal	27,053	18,178	20,730	-23.4	14.0
Whey Protein Concentrate, Human	16,049	18,913	18,471	15.1	-2.3
Whey Protein Concentrate, Animal	1,548	1,664	765	-50.6	-54.0
<b>Manufacturers' Selling Price <sup>5</sup></b>					
	<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	22.5	16.4	17.2	-5.3	0.8

<sup>1</sup> Revised.

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

<sup>3</sup> Stocks held by manufacturers at all points and in transit.

<sup>4</sup> Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

<sup>5</sup> 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 <sup>1</sup>**

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>
<b>Total Cheese</b>						
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	691,691	7.0	1,838,151	1,930,660	5.0
Apr	639,077	672,973	5.3	2,477,228	2,603,633	5.1
May	652,554	676,153	3.6	3,129,782	3,279,786	4.8
Jun	642,070	672,794	4.8	3,771,852	3,952,580	4.8
Jul	610,087	653,030	7.0	4,381,939	4,605,610	5.1
Aug	598,644	651,345	8.8	4,980,583	5,256,955	5.5
Sep	584,112	638,411	9.3	5,564,695	5,895,366	5.9
Oct	632,137	673,774	6.6	6,196,832	6,569,140	6.0
Nov	636,582	679,554	6.8	6,833,414	7,248,694	6.1
Dec	668,489	698,235	4.4	7,501,903	7,946,929	5.9
<b>American Cheese</b>						
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	316,051	11.2	830,003	883,020	6.4
Apr	288,015	318,600	10.6	1,118,018	1,201,620	7.5
May	298,507	314,570	5.4	1,416,525	1,516,190	7.0
Jun	287,835	297,218	3.3	1,704,360	1,813,408	6.4
Jul	277,738	303,910	9.4	1,982,098	2,117,318	6.8
Aug	261,310	294,471	12.7	2,243,408	2,411,789	7.5
Sep	244,913	283,603	15.8	2,488,321	2,695,392	8.3
Oct	266,840	295,828	10.9	2,755,161	2,991,220	8.6
Nov	270,560	287,278	6.2	3,025,721	3,278,498	8.4
Dec	300,115	307,254	2.4	3,325,836	3,585,752	7.8
<b>Cheddar Cheese</b>						
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	254,148	11.9	664,813	706,715	6.3
Apr	231,964	257,475	11.0	896,777	964,190	7.5
May	243,230	253,004	4.0	1,140,007	1,217,194	6.8
Jun	227,815	234,614	3.0	1,367,822	1,451,808	6.1
Jul	219,739	237,493	8.1	1,587,561	1,689,301	6.4
Aug	206,666	227,764	10.2	1,794,227	1,917,065	6.8
Sep	189,518	223,052	17.7	1,983,745	2,140,117	7.9
Oct	205,430	232,579	13.2	2,189,175	2,372,696	8.4
Nov	215,065	221,802	3.1	2,404,240	2,594,498	7.9
Dec	240,789	241,016	0.1	2,645,029	2,835,514	7.2

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,  
United States, 1998-99<sup>1</sup> (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>
<b>Italian Cheese</b>						
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	275,593	5.3	735,143	773,127	5.2
Apr	253,555	259,934	2.5	988,698	1,033,061	4.5
May	259,013	261,914	1.1	1,247,711	1,294,975	3.8
Jun	251,997	264,911	5.1	1,499,708	1,559,886	4.0
Jul	241,344	255,147	5.7	1,741,052	1,815,033	4.2
Aug	241,050	256,458	6.4	1,982,102	2,071,491	4.5
Sep	233,550	250,583	7.3	2,215,652	2,322,074	4.8
Oct	255,749	267,388	4.6	2,471,401	2,589,462	4.8
Nov	262,554	281,229	7.1	2,733,955	2,870,691	5.0
Dec	267,151	283,679	6.2	3,001,106	3,154,370	5.1
<b>Mozzarella Cheese</b>						
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	221,465	7.9	573,941	617,649	7.6
Apr	198,395	210,729	6.2	772,336	828,378	7.3
May	206,571	213,759	3.5	978,907	1,042,137	6.5
Jun	198,521	209,585	5.6	1,177,428	1,251,722	6.3
Jul	192,730	209,928	8.9	1,370,158	1,461,650	6.7
Aug	190,823	209,361	9.7	1,560,981	1,671,011	7.0
Sep	185,248	202,067	9.1	1,746,229	1,873,078	7.3
Oct	200,272	212,709	6.2	1,946,501	2,085,787	7.2
Nov	206,800	223,354	8.0	2,153,301	2,309,141	7.2
Dec	210,868	225,186	6.8	2,364,169	2,534,327	7.2
<b>Other Italian</b>						
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	54,128	-4.1	161,202	155,478	-3.6
Apr	55,160	49,205	-10.8	216,362	204,683	-5.4
May	52,442	48,155	-8.2	268,804	252,838	-5.9
Jun	53,476	55,326	3.5	322,280	308,164	-4.4
Jul	48,614	45,219	-7.0	370,894	353,383	-4.7
Aug	50,227	47,097	-6.2	421,121	400,480	-4.9
Sep	48,302	48,516	0.4	469,423	448,996	-4.4
Oct	55,477	54,679	-1.4	524,900	503,675	-4.0
Nov	55,754	57,875	3.8	580,654	561,550	-3.3
Dec	56,283	58,493	3.9	636,937	620,043	-2.7

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,  
United States, 1998-99<sup>1</sup> (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	113,708	6.6	330,185	348,564	5.6
Apr	107,072	106,424	-0.6	437,257	454,988	4.1
May	92,553	104,698	13.1	529,810	559,686	5.6
Jun	69,886	85,973	23.0	599,696	645,659	7.7
Jul	63,766	75,750	18.8	663,462	721,409	8.7
Aug	64,254	66,059	2.8	727,716	787,468	8.2
Sep	68,218	78,773	15.5	795,934	866,241	8.8
Oct	88,497	93,020	5.1	884,431	959,261	8.5
Nov	91,128	90,358	-0.8	975,559	1,049,619	7.6
Dec	106,320	107,790	1.4	1,081,879	1,157,409	7.0
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	128,473	20.4	309,933	364,288	17.5
Apr	119,740	133,680	11.6	429,673	497,968	15.9
May	119,730	137,249	14.6	549,403	635,217	15.6
Jun	99,418	120,413	21.1	648,821	755,630	16.5
Jul	85,661	98,939	15.5	734,482	854,569	16.3
Aug	78,842	99,503	26.2	813,324	954,072	17.3
Sep	62,306	90,566	45.4	875,630	1,044,638	19.3
Oct	75,039	103,045	37.3	950,669	1,147,683	20.7
Nov	73,851	100,607	36.2	1,024,520	1,248,290	21.8
Dec	110,863	129,297	16.6	1,135,383	1,377,587	21.3
Total Dry Whey <sup>2</sup>						
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	101,976	3.1	292,486	288,511	-1.4
Apr	98,817	99,021	0.2	391,303	387,532	-1.0
May	105,661	101,714	-3.7	496,964	489,246	-1.6
Jun	104,635	102,471	-2.1	601,599	591,717	-1.6
Jul	104,767	98,178	-6.3	706,366	689,895	-2.3
Aug	99,221	93,794	-5.5	805,587	783,689	-2.7
Sep	89,558	96,373	7.6	895,145	880,062	-1.7
Oct	90,776	92,580	2.0	985,921	972,642	-1.3
Nov	92,085	97,418	5.8	1,078,006	1,070,060	-0.7
Dec	101,818	105,428	3.5	1,179,824	1,175,488	-0.4

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,  
United States, 1998-99<sup>1</sup> (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	30,475	-4.1	89,183	83,800	-6.0
Apr	30,366	31,402	3.4	119,549	115,202	-3.6
May	30,484	31,075	1.9	150,033	146,277	-2.5
Jun	31,405	30,400	-3.2	181,438	176,677	-2.6
Jul	34,197	31,545	-7.8	215,635	208,222	-3.4
Aug	32,138	32,224	0.3	247,773	240,446	-3.0
Sep	31,842	31,246	-1.9	279,615	271,692	-2.8
Oct	30,438	29,149	-4.2	310,053	300,841	-3.0
Nov	28,004	28,596	2.1	338,057	329,437	-2.5
Dec	28,704	26,767	-6.7	366,761	356,204	-2.9
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	29,830	-3.0	118,819	118,592	-0.2
May	30,510	30,124	-1.3	149,329	148,716	-0.4
Jun	31,669	31,710	0.1	180,998	180,426	-0.3
Jul	32,367	31,596	-2.4	213,365	212,022	-0.6
Aug	30,179	32,076	6.3	243,544	244,098	0.2
Sep	32,896	31,472	-4.3	276,440	275,570	-0.3
Oct	30,248	29,251	-3.3	306,688	304,821	-0.6
Nov	28,058	27,143	-3.3	334,746	331,964	-0.8
Dec	27,130	25,833	-4.8	361,876	357,797	-1.1
	<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	75,538	-3.5	206,258	196,043	-5.0
Apr	81,406	76,332	-6.2	287,664	272,375	-5.3
May	80,569	76,134	-5.5	368,233	348,509	-5.4
Jun	88,896	88,432	-0.5	457,129	436,941	-4.4
Jul	86,715	84,750	-2.3	543,844	521,691	-4.1
Aug	77,070	80,599	4.6	620,914	602,290	-3.0
Sep	72,851	71,766	-1.5	693,765	674,056	-2.8
Oct	64,844	62,609	-3.4	758,609	736,665	-2.9
Nov	51,471	58,491	13.6	810,080	795,156	-1.8
Dec	55,458	55,967	0.9	865,538	851,123	-1.7

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,  
United States, 1998-99 <sup>1</sup> (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>
<b>Ice Cream, Lowfat</b>						
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	30,764	-11.5	87,233	74,942	-14.1
Apr	37,631	36,579	-2.8	124,864	111,521	-10.7
May	40,951	38,746	-5.4	165,815	150,267	-9.4
Jun	45,254	41,864	-7.5	211,069	192,131	-9.0
Jul	44,175	43,710	-1.1	255,244	235,841	-7.6
Aug	39,762	40,321	1.4	295,006	276,162	-6.4
Sep	34,602	32,481	-6.1	329,608	308,643	-6.4
Oct	29,060	27,851	-4.2	358,668	336,494	-6.2
Nov	24,739	25,629	3.6	383,407	362,123	-5.6
Dec	25,911	24,593	-5.1	409,318	386,716	-5.5
<b>Ice Cream, NF, Hard</b>						
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	2,370	-37.2	9,955	6,600	-33.7
Apr	3,459	2,807	-18.8	13,414	9,407	-29.9
May	3,593	3,309	-7.9	17,007	12,716	-25.2
Jun	3,931	3,353	-14.7	20,938	16,069	-23.3
Jul	3,552	3,379	-4.9	24,490	19,448	-20.6
Aug	3,388	3,389	0.0	27,878	22,837	-18.1
Sep	3,127	3,181	1.7	31,005	26,018	-16.1
Oct	2,917	2,598	-10.9	33,922	28,616	-15.6
Nov	2,483	2,055	-17.2	36,405	30,671	-15.8
Dec	2,379	2,383	0.2	38,784	33,054	-14.8
<b>Sherbet, Hard</b>						
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	4,728	3.1	16,223	16,235	0.1
May	4,832	4,894	1.3	21,055	21,129	0.4
Jun	5,466	5,664	3.6	26,521	26,793	1.0
Jul	5,466	5,270	-3.6	31,987	32,063	0.2
Aug	5,017	5,081	1.3	37,004	37,144	0.4
Sep	4,013	4,272	6.5	41,017	41,416	1.0
Oct	3,547	3,446	-2.8	44,564	44,862	0.7
Nov	3,102	3,457	11.4	47,666	48,319	1.4
Dec	3,368	3,195	-5.1	51,034	51,514	0.9
<b>Frozen Yogurt</b>						
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	8,813	6.7	20,781	21,926	5.5
Apr	8,055	8,644	7.3	28,836	30,570	6.0
May	7,663	8,965	17.0	36,499	39,535	8.3
Jun	8,219	8,726	6.2	44,718	48,261	7.9
Jul	8,466	8,091	-4.4	53,184	56,352	6.0
Aug	7,584	7,853	3.5	60,768	64,205	5.7
Sep	8,641	6,987	-19.1	69,409	71,192	2.6
Oct	6,783	5,631	-17.0	76,192	76,823	0.8
Nov	5,829	5,002	-14.2	82,021	81,825	-0.2
Dec	5,756	4,791	-16.8	87,777	86,616	-1.3

<sup>1</sup> November 1999 data revised.

<sup>2</sup> Excludes all modified dry whey products.

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

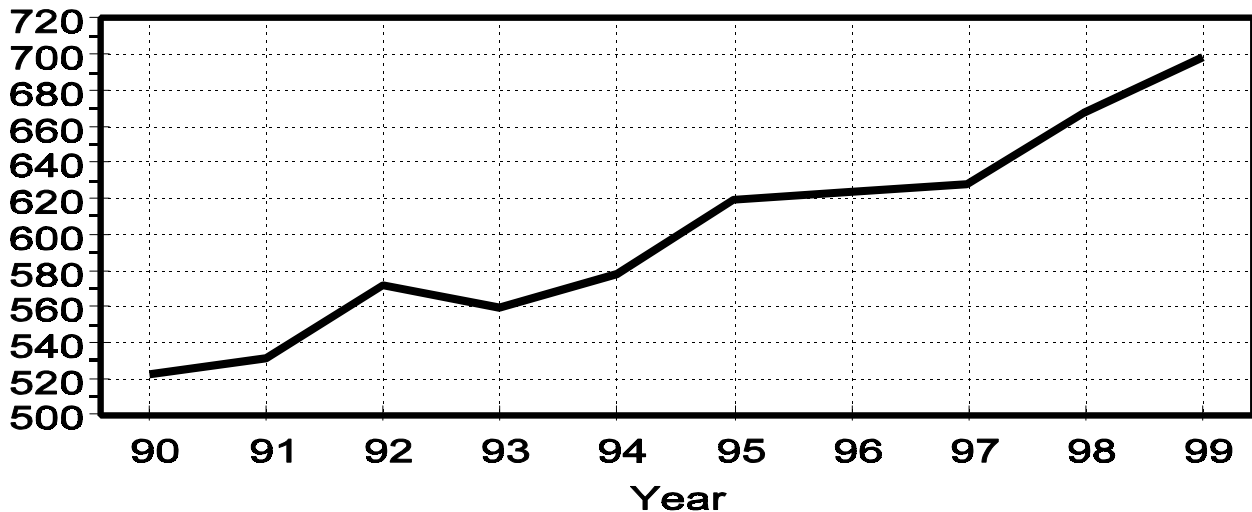
State	Dec 1998	Nov <sup>1</sup> 1999	Dec 1999	Change From	
				Dec 1998	Nov 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	111,702	114,562	121,286	8.6	5.9
ID	48,544	50,971	49,925	2.8	-2.1
IL	7,142	6,493	5,555	-22.2	-14.4
IA	21,543	19,208	20,479	-4.9	6.6
MA	104	69	193	85.6	179.7
MN	57,400	54,555	59,902	4.4	9.8
MO	13,909	14,858	13,411	-3.6	-9.7
NE	7,063				
NY	56,269	57,903	62,049	10.3	7.2
ND	2,018	1,417	1,766	-12.5	24.6
OH	10,511	10,023	12,099	15.1	20.7
PA	33,368	34,414	33,596	0.7	-2.4
SD	11,527	11,978	12,635	9.6	5.5
UT	5,554	6,350	6,251	12.5	-1.6
WA	15,260	13,817	13,415	-12.1	-2.9
WI	182,064	182,136	186,896	2.7	2.6
Oth Sts <sup>2</sup>	84,511	100,800	98,777		-2.0
US	668,489	679,554	698,235	4.4	2.7
N Atlantic	103,651	106,402	109,739	5.9	3.1
S Atlantic	2,970	3,667	3,363	13.2	-8.3
E N Central	212,583	212,965	220,002	3.5	3.3
W N Central	113,548	111,075	115,068	1.3	3.6
S Central	4,968	3,540	5,314	7.0	50.1
West	230,769	241,905	244,749	6.1	1.2

<sup>1</sup> Revised.

<sup>2</sup> 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.

## December Total Cheese Production United States

Million Pounds



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

State	Dec 1998	Nov <sup>1</sup> 1999	Dec 1999	Change From	
				Dec 1998	Nov 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	44,900	46,032	50,731	13.0	10.2
ID	42,971	42,930	42,592	-0.9	-0.8
IA	9,781	7,582	10,661	9.0	40.6
MN	54,861	51,918	55,907	1.9	7.7
NY		7,874	8,196		4.1
ND	2,018	1,417	1,766	-12.5	24.6
OH	3,137	2,719	3,226	2.8	18.6
OR	4,634	5,093	5,251	13.3	3.1
SD	5,288	5,191	6,250	18.2	20.4
UT	2,590	3,008	3,001	15.9	-0.2
WA	11,052	11,262	11,227	1.6	-0.3
WI	82,231	77,800	81,100	-1.4	4.2
Oth Sts <sup>2</sup>	36,652	24,452	27,346		11.8
US	300,115	287,278	307,254	2.4	7.0
Atlantic	13,462	11,956	12,281	-8.8	2.7
E N Central	86,881	82,207	86,088	-0.9	4.7
W N Central	75,874	68,617	77,087	1.6	12.3
S Central	4,690	3,134	5,031	7.3	60.5
West	119,208	121,364	126,767	6.3	4.5

<sup>1</sup> Revised.

<sup>2</sup> 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, December 1998-99**

State	Dec 1998	Nov <sup>1</sup> 1999	Dec 1999	Change From	
				Dec 1998	Nov 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	34,079	30,831	35,788	5.0	16.1
ID	27,814	25,827	27,164	-2.3	5.2
MN	52,345	47,702	51,545	-1.5	8.1
NY	8,030	7,691	7,913	-1.5	2.9
WI	66,473	61,500	64,600	-2.8	5.0
Oth Sts <sup>2</sup>	52,048	48,251	54,006	3.8	11.9
US	240,789	221,802	241,016	0.1	8.7
Atlantic	12,981	11,370	11,577	-10.8	1.8
E N Cen	68,447	63,288	66,752	-2.5	5.5
W N Cen	63,867	57,849	63,286	-0.9	9.4
S Cen	4,690	3,131	5,006	6.7	59.9
West	90,804	86,164	94,395	4.0	9.6

<sup>1</sup> Revised.

<sup>2</sup> 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, December 1998-99**

State	Dec 1998	Nov <sup>1</sup> 1999	Dec 1999	Change From	
				Dec 1998	Nov 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	48,894	50,573	54,934	12.4	8.6
ID	102	2,898	1,642	1,509.8	-43.3
NY	18,434	17,816	19,874	7.8	11.6
WI	52,763	53,800	56,300	6.7	4.6
Oth Sts <sup>2</sup>	90,675	98,267	92,436	1.9	-5.9
US	210,868	223,354	225,186	6.8	0.8
Atlantic	45,369	44,653	46,355	2.2	3.8
E N Central	65,324	66,284	70,193	7.5	5.9
W N Central	16,166	19,471	16,280	0.7	-16.4
West	84,009	92,946	92,358	9.9	-0.6

<sup>1</sup> Revised.

<sup>2</sup> 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, December 1998-99**

State	Dec 1998	Nov <sup>1</sup> 1999	Dec 1999	Change From	
				Dec 1998	Nov 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	23,192	20,124	26,623	14.8	32.3
MN	6,531	4,882	5,472	-16.2	12.1
NY	1,992	1,563	2,009	0.9	28.5
ND	392	375	399	1.8	6.4
OR	2,269	2,370	2,000	-11.9	-15.6
PA	8,706	9,405	10,194	17.1	8.4
WA	6,041	7,380	8,969	48.5	21.5
WI	29,145	25,100	28,800	-1.2	14.7
Oth Sts <sup>2</sup>	28,052	19,159	23,324	-16.9	21.7
US	106,320	90,358	107,790	1.4	19.3
Atlantic	17,583	15,116	17,649	0.4	16.8
E N Central	37,010	28,459	33,051	-10.7	16.1
W N Central	12,156	8,925	9,492	-21.9	6.4
S Central	7,015	6,270	7,070	0.8	12.8
West	32,556	31,588	40,528	24.5	28.3

<sup>1</sup> Revised.

<sup>2</sup> 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, December 1998-99**

State	Dec 1998	Nov <sup>1</sup> 1999	Dec 1999	Change From	
				Dec 1998	Nov 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	49,345	54,761	64,277	30.3	17.4
MN & WI	2,855	1,831	2,074	-27.4	13.3
NM	3,175	1,282	4,939	55.6	285.3
ND		29	95		227.6
PA	6,705	4,926	8,727	30.2	77.2
WA	11,518	10,856	15,199	32.0	40.0
Oth Sts <sup>2</sup>	37,265	26,922	33,986	-8.8	26.2
US	110,863	100,607	129,297	16.6	28.5
Atlantic	17,342	13,129	17,506	0.9	33.3
E N Central	9,622	5,052	7,954	-17.3	57.4
W N Central	9,033	8,561	9,398	4.0	9.8
S Central	6,379	1,532	3,556	-44.3	132.1
West	68,487	72,333	90,883	32.7	25.6

<sup>1</sup> Revised.

<sup>2</sup> 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, December 1998-99**

State	Dec 1998	Nov <sup>1</sup> 1999	Dec 1999	Change From	
				Dec 1998	Nov 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	10,530	9,332	9,686	-8.0	3.8
MN	8,065	6,437	7,547	-6.4	17.2
NY	9,954	9,234	10,510	5.6	13.8
PA	9,582	8,126	7,850	-18.1	-3.4
UT	1,840	2,003	2,058	11.8	2.7
WA	8,287	13,197	13,865	67.3	5.1
WI	24,988	20,280	23,500	-6.0	15.9
Oth Sts <sup>2</sup>	21,369	23,068	24,102	12.8	4.5
US	94,615	91,677	99,118	4.8	8.1
Atlantic	19,536	17,360	18,360	-6.0	5.8
Central	42,961	35,410	40,949	-4.7	15.6
West	32,118	38,907	39,809	23.9	2.3

<sup>1</sup> Revised.

<sup>2</sup> 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, December 1998-99**

State	Dec 1998	Nov <sup>1</sup> 1999	Dec 1999	Change From	
				Dec 1998	Nov 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
MN	8,474	8,960	9,900	16.8	10.5
WI	7,356	8,774	8,856	20.4	0.9
Oth Sts <sup>2</sup>	23,298	23,613	23,900	2.6	1.2
US	39,128	41,347	42,656	9.0	3.2
E N Central	8,261	9,769	9,753	18.1	-0.2
W N Central	13,892	14,826	15,602	12.3	5.2
West	15,537	15,920	15,960	2.7	0.3

<sup>1</sup> Revised.

<sup>2</sup> 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, December 1998-99**

State	Dec 1998	Nov <sup>1</sup> 1999	Dec 1999	Change From	
				Dec 1998	Nov 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	7,492	7,171	7,483	-0.1	4.4
MN	4,702	4,030	4,608	-2.0	14.3
WI	3,344	4,542	4,601	37.6	1.3
Oth Sts <sup>2</sup>	8,819	13,430	11,865	34.5	-11.7
US	24,357	29,173	28,557	17.2	-2.1

<sup>1</sup> Revised.

<sup>2</sup> 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, December 1998-99**

State	Dec 1998	Nov <sup>1</sup> 1999	Dec 1999	Change From	
				Dec 1998	Nov 1999
	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>Percent</i>	<i>Percent</i>
CA	6,165	7,768	6,360	3.2	-18.1
FL	1,932	1,550	1,608	-16.8	3.7
GA	476	500	306	-35.7	-38.8
IL	2,645	2,220	2,320	-12.3	4.5
IN	5,519	3,554	4,758	-13.8	33.9
ME	113	124	133	17.7	7.3
MD	1,179	992	1,179		18.9
MA	4,022	4,058	3,172	-21.1	-21.8
MI	1,273	1,028	1,022	-19.7	-0.6
MN	3,033	3,076	2,963	-2.3	-3.7
NH	29				
NM	401	219	219	-45.4	
NY	1,691	2,100	2,300	36.0	9.5
NC	1,383	1,033	1,037	-25.0	0.4
ND	85	125	123	44.7	-1.6
OH	2,617	2,192	1,700	-35.0	-22.4
OR	681	700	710	4.3	1.4
PA	2,349	3,921	3,485	48.4	-11.1
SD	2	2	2		
TN	1,012	890	856	-15.4	-3.8
TX	3,476	5,971	5,233	50.5	-12.4
UT	691	913	759	9.8	-16.9
WA	1,018	1,095	1,198	17.7	9.4
WI	553	600	565	2.2	-5.8
Oth Sts <sup>2</sup>	13,113	13,860	13,959		0.7
US	55,458	58,491	55,967	0.9	-4.3
N Atlantic	9,785	12,067	11,177	14.2	-7.4
S Atlantic	6,200	5,757	5,627	-9.2	-2.3
E N Central	12,607	9,594	10,365	-17.8	8.0
W N Central	8,859	8,216	8,307	-6.2	1.1
S Central	7,096	9,657	9,106	28.3	-5.7
West	10,911	13,200	11,385	4.3	-13.8

<sup>1</sup> Revised.

<sup>2</sup> 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, December, 1998-99**

Product	Dec 1998	Nov 1999 <sup>1</sup>	Dec 1999	Change From	
				Dec 1998	Nov 1999
<b>Manufacturers' Shipments <sup>2</sup></b>					
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
Dry Whole Milk	7,529	8,651	7,313	-2.9	-15.5
Nonfat Dry Milk, Human	69,326	107,064	95,501	37.8	-10.8
Dry Skim Milk, Animal	371	508	434	17.0	-14.6
Dry Buttermilk, Human	2,036	3,944	3,653	79.4	-7.4
<b>Manufacturers' Stocks End-of-Month <sup>3</sup></b>					
	<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	35,818	40,804	37,586	4.9	-7.9
Dry Whole Milk	5,161	5,776	6,353	23.1	10.0
Nonfat Dry Milk, Human	56,255	86,815	85,791	52.5	-1.2
Dry Skim Milk, Animal	1,074	917	1,124	4.7	22.6
Dry Buttermilk, Total	3,984	5,751	5,943	49.2	3.3
<b>Manufacturers' Selling Price <sup>4</sup></b>					
	<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	148.11	115.15	107.73	-40.38	-7.42
Dry Skim Milk, Animal	62.45	58.80	58.64	-3.81	-0.16
Dry Buttermilk, Human	105.64	75.99	75.23	-30.41	-0.76

<sup>1</sup> Revised.

<sup>2</sup> For dry products, shipments of bulk goods only.

<sup>3</sup> Stocks held by manufacturers at all points and in transit.

<sup>4</sup> 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 March 2, 2000.

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