

Dairy Products



USDA
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December 1998 Highlights

American type cheese production totaled 298 million pounds, 6.8 percent above December 1997 and 10.4 percent above November 1998.

Total cheese output (excluding cottage cheese) was 668 million pounds, 6.3 percent above December 1997 and 5.2 percent above November 1998.

Cream cottage cheese production was 28.8 million pounds, 4.5 percent above December 1997 and 2.0 percent above November 1998.

Lowfat cottage cheese production was 27.0 million pounds, 5.5 percent above December 1997 but 2.7 percent below November 1998.

Butter production was 102 million pounds in December, 4.1 percent below December 1997 but 16.6 percent above November 1998.

Frozen dessert: (comparisons with December 1997)

Ice cream, Regular (hard) --- 55.2 million gallons, up 2.3 percent.

Ice cream, Lowfat (total) --- 23.6 million gallons, down 0.2 percent.

Ice cream, Nonfat (hard) --- 2.10 million gallons, down 3.9 percent.

Sherbet (hard) --- 3.35 million gallons, up 8.1 percent.

Frozen Yogurt (total) --- 5.90 million gallons, up 26.0 percent.

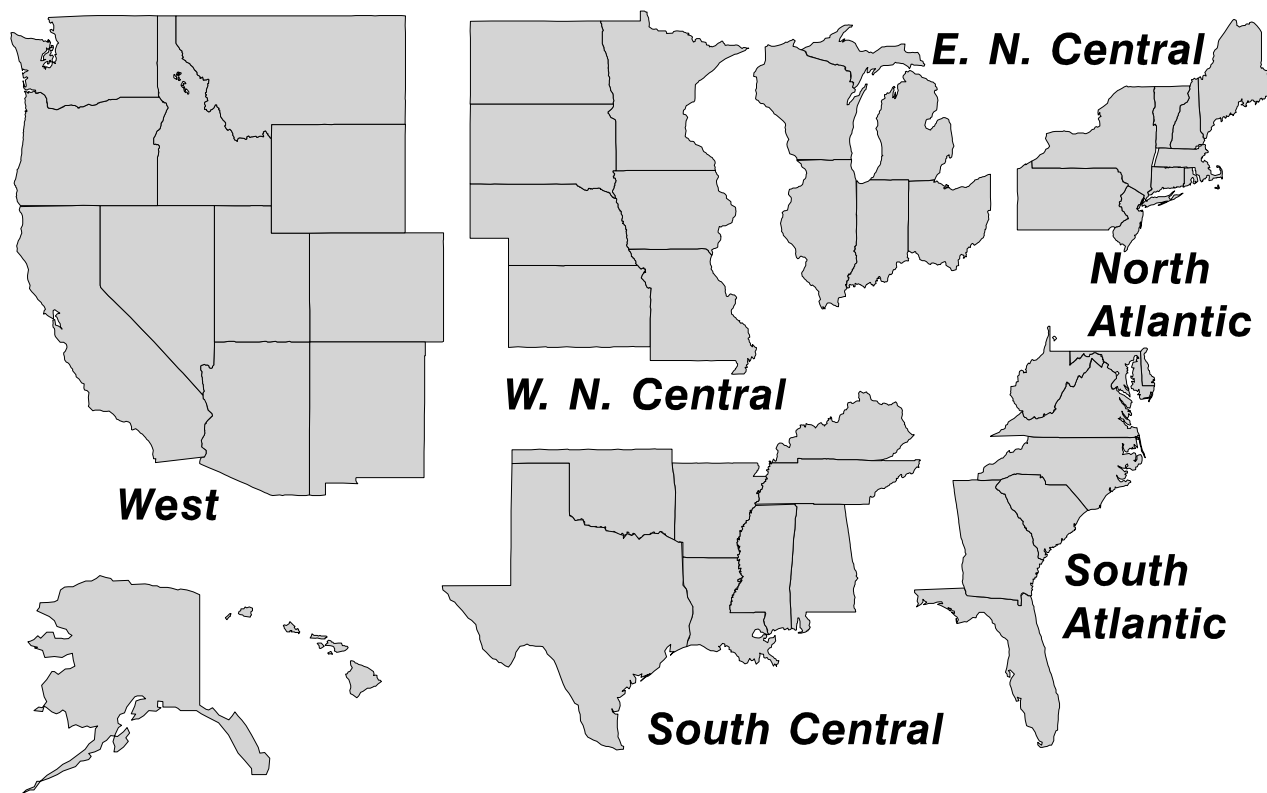
Dry milk products: (comparisons with December 1997)

Nonfat dry milk for human food --- 105 million pounds, up 2.6 percent.

Dry whole milk --- 9.58 million pounds, down 6.7 percent.

Dry buttermilk --- 4.65 million pounds, up 3.8 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 For example, if North Atlantic can not be published, then it will be combined with South Atlantic to publish Atlantic.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, December, 1997-98**

Product	Dec 1997	Nov 1998 ¹	Dec 1998	Change From	
				Dec 1997	Nov 1998
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
Butter	105,970	87,192	101,661	-4.1	16.6
Cheese					
American Types ²	278,631	269,693	297,613	6.8	10.4
Cheddar	223,765	213,374	238,107	6.4	11.6
Swiss	18,589	16,491	17,694	-4.8	7.3
Brick and Muenster	9,197	7,502	8,093	-12.0	7.9
Cream and Neufchatel	53,295	60,349	58,758	10.3	-2.6
Blue	3,322	3,576	3,469	4.4	-3.0
Hispanic	6,066	6,523	6,402	5.5	-1.9
Mozzarella	189,243	204,940	210,018	11.0	2.5
Other Italian Types	58,755	55,509	55,374	-5.8	-0.2
Total Italian Types	247,998	260,449	265,392	7.0	1.9
All Other Types	10,790	10,222	10,185	-5.6	-0.4
Total	627,888	634,805	667,606	6.3	5.2
Cottage Cheese, Curd ³	35,055	35,926	34,586	-1.3	-3.7
Cottage Cheese, Cream ⁴	27,535	28,216	28,780	4.5	2.0
Cottage Cheese, Lowfat ⁵	25,615	27,780	27,018	5.5	-2.7
Canned Evaporated and Condensed Whole Milk	46,993	47,421	36,049	-23.3	-24.0
Dry Whole Milk	10,265	10,878	9,576	-6.7	-12.0
Nonfat Dry Milk, Human	102,006	69,998	104,671	2.6	49.5
Dry Skim Milk, Animal	340	267	333	-2.1	24.7
Dry Buttermilk	4,480	3,713	4,650	3.8	25.2
Yogurt, Plain & Flavored	115,242	113,159	111,147	-3.6	-1.8
	<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	53,945	51,273	55,167	2.3	7.6
Ice Cream, Lowfat, Hard	6,391	6,695	7,224	13.0	7.9
Ice Cream, Lowfat, Soft	17,212	15,278	16,336	-5.1	6.9
Ice Cream, Lowfat, Total	23,603	21,973	23,560	-0.2	7.2
Ice Cream, Nonfat, Hard	2,181	2,204	2,096	-3.9	-4.9
Sherbet, Hard	3,094	3,036	3,345	8.1	10.2
Water and Juice Ices	2,702	3,639	2,936	8.7	-19.3
Frozen Yogurt, Total	4,685	6,105	5,901	26.0	-3.3
Regular & Lowfat, Hard	1,981	2,071	2,490	25.7	20.2
Nonfat, Hard	1,494	1,482	1,295	-13.3	-12.6
Other Frozen Dairy Products	749	1,125	931	24.3	-17.2
Mix for Frozen Products					
Ice Cream Mix	29,025	28,365	29,376	1.2	3.6
Ice Cream, Lowfat, Mix	13,796	13,709	14,693	6.5	7.2
Ice Cream, Nonfat, Mix	1,258	1,297	1,285	2.1	-0.9
Sherbet Mix	2,293	2,154	2,266	-1.2	5.2
Yogurt Mix	2,965	3,864	3,735	26.0	-3.3

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, December, 1997-98**

Product	Dec 1997	Nov 1998 ¹	Dec 1998	Change From	
				Dec 1997	Nov 1998
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	9,807	4,216	5,088	-48.1	20.7
Sweet-Type, Animal	2,263	1,213	1,398	-38.2	15.3
Dry Whey Products					
Dry Whey, Human	95,560	84,637	93,137	-2.5	10.0
Dry Whey, Animal	5,532	6,395	6,809	23.1	6.5
Reduced Lactose and Minerals					
Human Food	4,951	6,484	6,807	37.5	5.0
Animal Feed	2,397	2,474	2,789	16.4	12.7
Lactose, Human and Animal	34,086	39,362	39,228	15.1	-0.3
Whey					
Solids in Wet Blends, Animal	2,331	3,200	3,100	33.0	-3.1
Protein Concentrate, Human	20,949	21,476	24,357	16.3	13.4
Protein Concentrate, Animal	3,518	3,500	3,585	1.9	2.4
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	32,489	33,668	44,590	37.2	32.4
Dry Whey, Animal	2,015	4,738	4,835	140.0	2.0
Reduced Lactose and Minerals					
Human and Animal ⁴	9,075	10,445	9,856	8.6	-5.6
Lactose, Human and Animal	20,927	27,272	27,053	29.3	-0.8
Whey Protein Concentrate, Human	11,451	13,586	16,049	40.2	18.1
Whey Protein Concentrate, Animal	929	2,628	1,548	66.6	-41.1
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, Human	29.2	24.7	24.5	-4.7	-0.2
Dry Whey, Animal	27.9	23.1	22.5	-5.4	-0.6

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, 1997-98¹**

Product and Month	By Month			Cumulative		
	1997	1998	Change From 1997	1997	1998	Change From 1997
	<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	598,134	615,733	2.9	598,134	615,733	2.9
Feb	577,137	574,153	-0.5	1,175,271	1,189,886	1.2
Mar	637,976	645,189	1.1	1,813,247	1,835,075	1.2
Apr	598,487	641,316	7.2	2,411,734	2,476,391	2.7
May	641,972	653,088	1.7	3,053,706	3,129,479	2.5
Jun	623,366	641,140	2.9	3,677,072	3,770,619	2.5
Jul	613,224	612,525	-0.1	4,290,296	4,383,144	2.2
Aug	596,521	596,041	-0.1	4,886,817	4,979,185	1.9
Sep	604,259	579,882	-4.0	5,491,076	5,559,067	1.2
Oct	615,531	621,199	0.9	6,106,607	6,180,266	1.2
Nov	594,523	634,805	6.8	6,701,130	6,815,071	1.7
Dec	627,888	667,606	6.3	7,329,018	7,482,677	2.1
American Cheese						
Jan	278,566	283,248	1.7	278,566	283,248	1.7
Feb	267,073	261,137	-2.2	545,639	544,385	-0.2
Mar	285,469	285,205	-0.1	831,108	829,590	-0.2
Apr	279,556	289,727	3.6	1,110,664	1,119,317	0.8
May	294,625	293,106	-0.5	1,405,289	1,412,423	0.5
Jun	286,176	287,818	0.6	1,691,465	1,700,241	0.5
Jul	285,300	277,252	-2.8	1,976,765	1,977,493	
Aug	260,009	261,132	0.4	2,236,774	2,238,625	0.1
Sep	261,240	245,425	-6.1	2,498,014	2,484,050	-0.6
Oct	260,018	254,550	-2.1	2,758,032	2,738,600	-0.7
Nov	248,540	269,693	8.5	3,006,572	3,008,293	0.1
Dec	278,631	297,613	6.8	3,285,203	3,305,906	0.6
Cheddar Cheese						
Jan	224,901	228,758	1.7	224,901	228,758	1.7
Feb	216,991	207,494	-4.4	441,892	436,252	-1.3
Mar	231,347	228,483	-1.2	673,239	664,735	-1.3
Apr	226,279	232,522	2.8	899,518	897,257	-0.3
May	239,693	236,098	-1.5	1,139,211	1,133,355	-0.5
Jun	233,125	227,879	-2.3	1,372,336	1,361,234	-0.8
Jul	229,217	219,624	-4.2	1,601,553	1,580,858	-1.3
Aug	206,744	204,651	-1.0	1,808,297	1,785,509	-1.3
Sep	208,094	189,062	-9.1	2,016,391	1,974,571	-2.1
Oct	205,449	204,981	-0.2	2,221,840	2,179,552	-1.9
Nov	193,921	213,374	10.0	2,415,761	2,392,926	-0.9
Dec	223,765	238,107	6.4	2,639,526	2,631,033	-0.3

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,
United States, 1997-98¹ (continued)**

Product and Month	By Month			Cumulative		
	1997	1998	Change From 1997	1997	1998	Change From 1997
	<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	235,577	244,105	3.6	235,577	244,105	3.6
Feb	228,794	231,396	1.1	464,371	475,501	2.4
Mar	254,472	262,144	3.0	718,843	737,645	2.6
Apr	232,936	253,698	8.9	951,779	991,343	4.2
May	251,485	260,032	3.4	1,203,264	1,251,375	4.0
Jun	237,485	251,413	5.9	1,440,749	1,502,788	4.3
Jul	237,561	241,331	1.6	1,678,310	1,744,119	3.9
Aug	240,727	241,725	0.4	1,919,037	1,985,844	3.5
Sep	234,897	229,941	-2.1	2,153,934	2,215,785	2.9
Oct	238,902	254,690	6.6	2,392,836	2,470,475	3.2
Nov	239,570	260,449	8.7	2,632,406	2,730,924	3.7
Dec	247,998	265,392	7.0	2,880,404	2,996,316	4.0
Mozzarella Cheese						
Jan	183,894	188,661	2.6	183,894	188,661	2.6
Feb	181,482	182,487	0.6	365,376	371,148	1.6
Mar	197,893	205,352	3.8	563,269	576,500	2.3
Apr	183,080	198,455	8.4	746,349	774,955	3.8
May	200,164	207,417	3.6	946,513	982,372	3.8
Jun	188,265	197,876	5.1	1,134,778	1,180,248	4.0
Jul	188,058	192,851	2.5	1,322,836	1,373,099	3.8
Aug	189,506	191,321	1.0	1,512,342	1,564,420	3.4
Sep	179,037	181,570	1.4	1,691,379	1,745,990	3.2
Oct	181,442	199,378	9.9	1,872,821	1,945,368	3.9
Nov	181,941	204,940	12.6	2,054,762	2,150,308	4.6
Dec	189,243	210,018	11.0	2,244,005	2,360,326	5.2
Other Italian						
Jan	51,683	55,444	7.3	51,683	55,444	7.3
Feb	47,312	48,909	3.4	98,995	104,353	5.4
Mar	56,579	56,792	0.4	155,574	161,145	3.6
Apr	49,856	55,243	10.8	205,430	216,388	5.3
May	51,321	52,615	2.5	256,751	269,003	4.8
Jun	49,220	53,537	8.8	305,971	322,540	5.4
Jul	49,503	48,480	-2.1	355,474	371,020	4.4
Aug	51,221	50,404	-1.6	406,695	421,424	3.6
Sep	55,860	48,371	-13.4	462,555	469,795	1.6
Oct	57,460	55,312	-3.7	520,015	525,107	1.0
Nov	57,629	55,509	-3.7	577,644	580,616	0.5
Dec	58,755	55,374	-5.8	636,399	635,990	-0.1

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,
United States, 1997-98¹ (continued)**

Product and Month	By Month			Cumulative		
	1997	1998	Change From 1997	1997	1998	Change From 1997
	<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	127,575	113,512	-11.0	127,575	113,512	-11.0
Feb	108,633	102,704	-5.5	236,208	216,216	-8.5
Mar	105,397	100,773	-4.4	341,605	316,989	-7.2
Apr	118,268	102,974	-12.9	459,873	419,963	-8.7
May	102,735	92,948	-9.5	562,608	512,911	-8.8
Jun	82,017	72,641	-11.4	644,625	585,552	-9.2
Jul	80,040	67,129	-16.1	724,665	652,681	-9.9
Aug	68,812	61,514	-10.6	793,477	714,195	-10.0
Sep	79,346	67,138	-15.4	872,823	781,333	-10.5
Oct	83,326	83,214	-0.1	956,149	864,547	-9.6
Nov	89,131	87,192	-2.2	1,045,280	951,739	-8.9
Dec	105,970	101,661	-4.1	1,151,250	1,053,400	-8.5
Nonfat Dry Milk, Human						
Jan	100,927	103,703	2.8	100,927	103,703	2.8
Feb	93,024	96,995	4.3	193,951	200,698	3.5
Mar	114,060	107,318	-5.9	308,011	308,016	
Apr	127,731	120,359	-5.8	435,742	428,375	-1.7
May	132,711	121,295	-8.6	568,453	549,670	-3.3
Jun	120,065	104,206	-13.2	688,518	653,876	-5.0
Jul	111,669	90,243	-19.2	800,187	744,119	-7.0
Aug	90,237	72,526	-19.6	890,424	816,645	-8.3
Sep	77,354	59,946	-22.5	967,778	876,591	-9.4
Oct	72,550	70,011	-3.5	1,040,328	946,602	-9.0
Nov	75,228	69,998	-7.0	1,115,556	1,016,600	-8.9
Dec	102,006	104,671	2.6	1,217,562	1,121,271	-7.9
Total Dry Whey²						
Jan	91,794	101,524	10.6	91,794	101,524	10.6
Feb	87,165	93,534	7.3	178,959	195,058	9.0
Mar	96,630	97,165	0.6	275,589	292,223	6.0
Apr	93,521	98,892	5.7	369,110	391,115	6.0
May	102,262	105,852	3.5	471,372	496,967	5.4
Jun	101,491	103,973	2.4	572,863	600,940	4.9
Jul	101,697	103,898	2.2	674,560	704,838	4.5
Aug	93,156	97,857	5.0	767,716	802,695	4.6
Sep	89,681	88,680	-1.1	857,397	891,375	4.0
Oct	92,451	89,506	-3.2	949,848	980,881	3.3
Nov	85,884	91,032	6.0	1,035,732	1,071,913	3.5
Dec	101,092	99,946	-1.1	1,136,824	1,171,859	3.1

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,
United States, 1997-98¹ (continued)**

Product and Month	By Month			Cumulative		
	1997	1998	Change From 1997	1997	1998	Change From 1997
	<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	28,520	28,644	0.4	28,520	28,644	0.4
Feb	27,829	27,730	-0.4	56,349	56,374	
Mar	30,153	31,225	3.6	86,502	87,599	1.3
Apr	29,807	30,304	1.7	116,309	117,903	1.4
May	31,538	30,691	-2.7	147,847	148,594	0.5
Jun	29,863	30,823	3.2	177,710	179,417	1.0
Jul	32,223	33,996	5.5	209,933	213,413	1.7
Aug	32,038	31,810	-0.7	241,971	245,223	1.3
Sep	31,408	32,506	3.5	273,379	277,729	1.6
Oct	31,097	30,079	-3.3	304,476	307,808	1.1
Nov	27,514	28,216	2.6	331,990	336,024	1.2
Dec	27,535	28,780	4.5	359,525	364,804	1.5
Lowfat Cottage Cheese						
Jan	27,080	28,203	4.1	27,080	28,203	4.1
Feb	26,950	27,658	2.6	54,030	55,861	3.4
Mar	30,313	30,524	0.7	84,343	86,385	2.4
Apr	28,680	30,316	5.7	113,023	116,701	3.3
May	30,663	30,514	-0.5	143,686	147,215	2.5
Jun	28,527	30,106	5.5	172,213	177,321	3.0
Jul	30,930	32,226	4.2	203,143	209,547	3.2
Aug	29,798	29,665	-0.4	232,941	239,212	2.7
Sep	31,217	32,643	4.6	264,158	271,855	2.9
Oct	30,246	29,490	-2.5	294,404	301,345	2.4
Nov	26,668	27,780	4.2	321,072	329,125	2.5
Dec	25,615	27,018	5.5	346,687	356,143	2.7
	<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	60,232	58,121	-3.5	60,232	58,121	-3.5
Feb	63,896	64,253	0.6	124,128	122,374	-1.4
Mar	73,326	75,708	3.2	197,454	198,082	0.3
Apr	76,869	78,799	2.5	274,323	276,881	0.9
May	80,522	78,594	-2.4	354,845	355,475	0.2
Jun	85,403	88,381	3.5	440,248	443,856	0.8
Jul	85,798	86,912	1.3	526,046	530,768	0.9
Aug	76,904	76,874		602,950	607,642	0.8
Sep	68,001	72,733	7.0	670,951	680,375	1.4
Oct	66,889	64,880	-3.0	737,840	745,255	1.0
Nov	54,114	51,273	-5.3	791,954	796,528	0.6
Dec	53,945	55,167	2.3	845,899	851,695	0.7

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,
United States, 1997-98¹ (continued)**

Product and Month	By Month			Cumulative		
	1997	1998	Change From 1997	1997	1998	Change From 1997
	<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	25,831	21,724	-15.9	25,831	21,724	-15.9
Feb	27,672	23,821	-13.9	53,503	45,545	-14.9
Mar	34,691	29,277	-15.6	88,194	74,822	-15.2
Apr	33,008	32,044	-2.9	121,202	106,866	-11.8
May	37,492	35,908	-4.2	158,694	142,774	-10.0
Jun	40,387	38,534	-4.6	199,081	181,308	-8.9
Jul	40,893	42,867	4.8	239,974	224,175	-6.6
Aug	37,695	40,188	6.6	277,669	264,363	-4.8
Sep	31,520	35,476	12.6	309,189	299,839	-3.0
Oct	29,329	25,815	-12.0	338,518	325,654	-3.8
Nov	23,470	21,973	-6.4	361,988	347,627	-4.0
Dec	23,603	23,560	-0.2	385,591	371,187	-3.7
Ice Cream, NF, Hard						
Jan	2,293	2,857	24.6	2,293	2,857	24.6
Feb	2,594	2,661	2.6	4,887	5,518	12.9
Mar	2,934	3,139	7.0	7,821	8,657	10.7
Apr	3,121	3,038	-2.7	10,942	11,695	6.9
May	3,289	3,005	-8.6	14,231	14,700	3.3
Jun	3,996	3,290	-17.7	18,227	17,990	-1.3
Jul	4,698	2,899	-38.3	22,925	20,889	-8.9
Aug	3,107	2,986	-3.9	26,032	23,875	-8.3
Sep	3,003	2,682	-10.7	29,035	26,557	-8.5
Oct	2,708	2,466	-8.9	31,743	29,023	-8.6
Nov	2,191	2,204	0.6	33,934	31,227	-8.0
Dec	2,181	2,096	-3.9	36,115	33,323	-7.7
Sherbet, Hard						
Jan	3,463	3,459	-0.1	3,463	3,459	-0.1
Feb	3,730	3,589	-3.8	7,193	7,048	-2.0
Mar	4,296	4,368	1.7	11,489	11,416	-0.6
Apr	4,581	4,587	0.1	16,070	16,003	-0.4
May	5,482	4,445	-18.9	21,552	20,448	-5.1
Jun	5,161	5,265	2.0	26,713	25,713	-3.7
Jul	5,280	5,270	-0.2	31,993	30,983	-3.2
Aug	4,553	4,946	8.6	36,546	35,929	-1.7
Sep	3,826	4,024	5.2	40,372	39,953	-1.0
Oct	3,516	3,458	-1.6	43,888	43,411	-1.1
Nov	2,954	3,036	2.8	46,842	46,447	-0.8
Dec	3,094	3,345	8.1	49,936	49,792	-0.3
Frozen Yogurt						
Jan	5,119	5,897	15.2	5,119	5,897	15.2
Feb	7,928	6,366	-19.7	13,047	12,263	-6.0
Mar	9,362	7,353	-21.5	22,409	19,616	-12.5
Apr	8,899	8,278	-7.0	31,308	27,894	-10.9
May	8,865	8,012	-9.6	40,173	35,906	-10.6
Jun	9,331	8,406	-9.9	49,504	44,312	-10.5
Jul	10,112	8,327	-17.7	59,616	52,639	-11.7
Aug	8,216	7,846	-4.5	67,832	60,485	-10.8
Sep	8,131	8,919	9.7	75,963	69,404	-8.6
Oct	6,598	7,015	6.3	82,561	76,419	-7.4
Nov	5,151	6,105	18.5	87,712	82,524	-5.9
Dec	4,685	5,901	26.0	92,397	88,425	-4.3

¹ November 1998 data revised.

² Excludes all modified dry whey products.

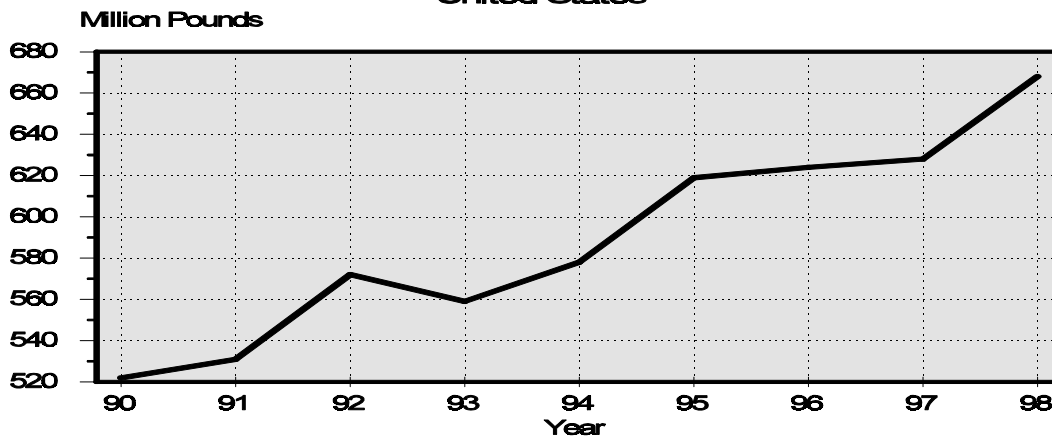
Total Cheese, Excluding Cottage Cheese: Production by State and United States, December 1997-98

State	Dec 1997	Nov ¹ 1998	Dec 1998	Change From	
				Dec 1997	Nov 1998
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	103,272	110,080	111,705	8.2	1.5
ID	42,008	45,770	48,543	15.6	6.1
IL	10,767	9,372	9,159	-14.9	-2.3
IA	20,523	18,920	21,262	3.6	12.4
KS	2,428				
MA		89	108		21.3
MN	53,441	47,517	57,042	6.7	20.0
MO	15,148	14,486	15,259	0.7	5.3
NE	8,628	8,294	6,803	-21.2	-18.0
NJ	3,998	3,681	3,723	-6.9	1.1
NM	13,667	27,916	25,430	86.1	-8.9
NY	53,462	52,242	55,441	3.7	6.1
ND	1,490	1,269	2,018	35.4	59.0
OH	9,911	9,284	10,375	4.7	11.8
PA	27,668	29,059	33,418	20.8	15.0
SD	11,534	11,235	11,526	-0.1	2.6
UT	4,577	4,859	5,493	20.0	13.0
VT	8,373	8,521	8,794	5.0	3.2
WA	12,448	15,100	15,259	22.6	1.1
WI	178,326	177,876	179,758	0.8	1.1
Oth Sts ²	46,219	39,235	46,490		18.5
US	627,888	634,805	667,606	6.3	5.2
N Atlantic	94,455	94,223	102,528	8.5	8.8
S Atlantic	2,130	2,905	2,970	39.4	2.2
E N Central	210,356	207,527	212,483	1.0	2.4
W N Central	113,192	101,771	113,950	0.7	12.0
S Central	9,626	3,721	4,968	-48.4	33.5
West	198,129	224,658	230,707	16.4	2.7

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.

**December Total Cheese Production
United States**



American Cheese: Production by State and United States, December 1997-98

State	Dec 1997	Nov ¹ 1998	Dec 1998	Change From	
				Dec 1997	Nov 1998
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	41,709	43,376	44,900	7.7	3.5
ID	38,216	40,696	42,971	12.4	5.6
IA	9,029	8,158	9,766	8.2	19.7
KS	2,428				
MN	44,344	44,215	54,504	22.9	23.3
NM	5,055	4,015	4,001	-20.9	-0.3
NY	7,315	6,939	8,148	11.4	17.4
ND	1,490	1,269	2,018	35.4	59.0
OH	2,744	2,632	3,019	10.0	14.7
SD	4,590	4,774	5,288	15.2	10.8
UT	1,760	2,019	2,473	40.5	22.5
WA	7,983	10,561	11,052	38.4	4.6
WI	78,543	76,100	80,600	2.6	5.9
Oth Sts ²	33,425	24,939	28,873		15.8
US	278,631	269,693	297,613	6.8	10.4
Atlantic	12,011	11,368	12,946	7.8	13.9
E N Central	82,763	80,395	85,441	3.2	6.3
W N Central	65,587	61,498	75,447	15.0	22.7
S Central	9,295	3,382	4,690	-49.5	38.7
West	108,975	113,050	119,089	9.3	5.3

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, December 1997-98

State	Dec 1997	Nov ¹ 1998	Dec 1998	Change From	
				Dec 1997	Nov 1998
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	46,128	49,493	48,894	6.0	-1.2
ID	627	315	102	-83.7	-67.6
NY	18,272	17,299	17,916	-1.9	3.6
PA	14,959	16,009	21,197	41.7	32.4
VT		3,214	3,284		2.2
WI	53,610	52,300	53,000	-1.1	1.3
Oth Sts ²	55,647	66,310	65,625		-1.0
US	189,243	204,940	210,018	11.0	2.5
Atlantic	38,217	38,925	44,895	17.5	15.3
E N Central	65,065	62,815	65,551	0.7	4.4
W N Central	19,228	17,764	15,537	-19.2	-12.5
West	66,733	85,436	84,035	25.9	-1.6

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, December 1997-98

State	Dec 1997	Nov ¹ 1998	Dec 1998	Change From	
				Dec 1997	Nov 1998
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	25,697	18,808	23,192	-9.7	23.3
MN	5,266	6,131	6,548	24.3	6.8
NY	1,813	1,485	1,979	9.2	33.3
ND	385	334	392	1.8	17.4
OR	2,204	2,300	2,270	3.0	-1.3
PA	5,631	4,461	5,127	-9.0	14.9
TN	3,009				
WA	6,795	5,134	6,041	-11.1	17.7
WI	32,025	26,700	28,700	-10.4	7.5
Oth Sts ²	23,145	21,839	27,412		25.5
US	105,970	87,192	101,661	-4.1	16.6
N Atlantic	10,762	10,098	11,297	5.0	11.9
S Atlantic	2,949	1,813	2,694	-8.6	48.6
E N Central	40,206	32,330	36,580	-9.0	13.1
W N Central	9,922	11,006	11,518	16.1	4.7
S Central	6,619	4,407	7,015	6.0	59.2
West	35,512	27,538	32,557	-8.3	18.2

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, December 1997-98**

State	Dec 1997	Nov ¹ 1998	Dec 1998	Change From	
				Dec 1997	Nov 1998
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	47,674	39,468	49,345	3.5	25.0
IA	4,670	3,465	5,871	25.7	69.4
MN & WI	2,255	1,584	2,337	3.6	47.5
NM	2,644				
ND	27				
WA	12,059	9,684	11,518	-4.5	18.9
Oth Sts ²	32,677	15,797	35,600		125.4
US	102,006	69,998	104,671	2.6	49.5
Atlantic	17,844	8,531	15,860	-11.1	85.9
E N Central	6,275	1,672	8,158	30.0	387.9
W N Central	7,838	5,838	8,665	10.6	48.4
West	66,794	53,825	66,426	-0.6	23.4

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.

**Dry Whey, Human: Production by State
and United States, December 1997-98**

State	Dec 1997	Nov ¹ 1998	Dec 1998	Change From	
				Dec 1997	Nov 1998
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	10,648	9,516	9,839	-7.6	3.4
MN	8,963	7,002	7,387	-17.6	5.5
NY	9,468	8,830	9,954	5.1	12.7
PA	8,868				
UT	1,377	1,673	1,797	30.5	7.4
WA	6,316	8,502	8,287	31.2	-2.5
WI	25,582	21,500	25,000	-2.3	16.3
Oth Sts ²	24,338	27,614	30,873		11.8
US	95,560	84,637	93,137	-2.5	10.0
Atlantic	19,977	17,048	19,536	-2.2	14.6
N Central	44,489	37,046	42,217	-5.1	14.0
West	29,037	30,543	31,384	8.1	2.8

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, December 1997-98**

State	Dec 1997	Nov ¹ 1998	Dec 1998	Change From	
				Dec 1997	Nov 1998
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
MN	9,589	7,565	8,474	-11.6	12.0
WI	7,841	7,084	7,457	-4.9	5.3
Oth Sts ²	16,656	24,713	23,297	39.9	-5.7
US	34,086	39,362	39,228	15.1	-0.3
E N Central	7,841	8,207	8,362	6.6	1.9
W N Central	14,952	12,719	13,892	-7.1	9.2
West	9,978	16,516	15,536	55.7	-5.9

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.

**Whey Protein Concentrate, Human: Production by State
and United States, December 1997-98**

State	Dec 1997	Nov ¹ 1998	Dec 1998	Change From	
				Dec 1997	Nov 1998
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	5,148	6,560	7,492	45.5	14.2
MN	5,319	4,343	4,702	-11.6	8.3
WI	2,621	1,999	3,344	27.6	67.3
Oth Sts ²	7,861	8,574	8,819	12.2	2.9
US	20,949	21,476	24,357	16.3	13.4

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.

Ice Cream, Hard: Production by State and United States, December 1997-98

State	Dec 1997	Nov ¹ 1998	Dec 1998	Change From	
				Dec 1997	Nov 1998
	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>Percent</i>	<i>Percent</i>
AZ		369	194		-47.4
AR	210	280	280	33.3	
CA	6,174	6,292	6,170	-0.1	-1.9
FL	1,946	1,900	1,900	-2.4	
GA	641	595	618	-3.6	3.9
ID		379	482		27.2
IL	2,259	2,230	2,659	17.7	19.2
IN	4,626	4,800	5,708	23.4	18.9
KS	484	90	120	-75.2	33.3
KY	269	372	351	30.5	-5.6
ME	92	46	92		100.0
MD	1,243	1,122	1,172	-5.7	4.5
MA	3,504	2,230	4,138	18.1	85.6
MI	1,749	900	970	-44.5	7.8
MN	2,857	2,622	3,033	6.2	15.7
MO	887	811	945	6.5	16.5
NM	412	401	401	-2.7	
NY	1,687	1,600	1,800	6.7	12.5
NC	1,112	1,092	1,383	24.4	26.6
ND	92	81	85	-7.6	4.9
OH	2,363	2,300	2,400	1.6	4.3
OR	719	720	710	-1.3	-1.4
PA	2,978	2,576	2,343	-21.3	-9.0
SD	2	2	2		
TN	1,053	875	1,012	-3.9	15.7
TX	2,953	3,575	3,661	24.0	2.4
UT	627	877	690	10.0	-21.3
VT	516	892	902	74.8	1.1
WA	1,437	1,010	1,018	-29.2	0.8
WI		520	540		3.8
Oth Sts ²	11,053	9,714	9,388		-3.4
US	53,945	51,273	55,167	2.3	7.6
N Atlantic	11,471	8,620	9,825	-14.3	14.0
S Atlantic	6,315	6,005	6,302	-0.2	4.9
E N Central	11,233	10,750	12,277	9.3	14.2
W N Central	7,878	7,661	9,019	14.5	17.7
S Central	5,692	6,596	6,888	21.0	4.4
West	11,356	11,641	10,856	-4.4	-6.7

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.

**Canned Milk and Dry Milk Products: Manufacturers' shipments,
Stocks, and Selling Prices, December, 1997-98**

Product	Dec 1997	Nov 1998 ¹	Dec 1998	Change From	
				Dec 1997	Nov 1998
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	6,569	7,837	7,529	14.6	-3.9
Nonfat Dry Milk, Human	80,318	63,098	69,326	-13.7	9.9
Dry Skim Milk, Animal	159	308	371	133.3	20.5
Dry Buttermilk, Human	2,920	1,998	2,036	-30.3	1.9
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	31,397	34,773	35,818	14.1	3.0
Dry Whole Milk	5,605	5,103	5,161	-7.9	1.1
Nonfat Dry Milk, Human	103,326	41,550	56,255	-45.6	35.4
Dry Skim Milk, Animal	791	1,076	1,074	35.8	-0.2
Dry Buttermilk, Total	3,569	3,484	3,984	11.6	14.4
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	120.68	150.23	148.11	27.43	-2.12
Nonfat Dry Milk, Human	104.58	111.52	110.07	5.49	-1.45
Dry Skim Milk, Animal	57.90	60.44	62.45	4.55	2.01
Dry Buttermilk, Human	97.28	109.11	105.64	8.36	-3.47

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 1,384 manufacturers that made one or more products in 1997. 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 4, 1999.

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