

# Dairy Products



USDA  
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## February 1999 Highlights

**American type cheese** production totaled 277 million pounds, 6.2 percent above February 1998 but 4.3 percent below January 1999.

**Total cheese** output (excluding cottage cheese) was 600 million pounds, 4.6 percent above February 1998 but 6.0 percent below January 1999.

**Cream cottage cheese** production was 27.4 million pounds, 1.2 percent below February 1998 but 5.3 percent above January 1999.

**Lowfat cottage cheese** production was 28.0 million pounds, 1.2 percent above February 1998 and 5.2 percent above January 1999.

**Butter** production was 112 million pounds in February, 8.6 percent above February 1998 but 9.6 percent below January 1999.

### **Frozen dessert:** (comparisons with February 1998)

Ice cream, Regular (hard) --- 62.8 million gallons, down 2.3 percent.

Ice cream, Lowfat (total) --- 23.8 million gallons, down 0.1 percent.

Ice cream, Nonfat (hard) --- 2.06 million gallons, down 22.5 percent.

Sherbet (hard) --- 3.67 million gallons, up 2.3 percent.

Frozen Yogurt (total) --- 7.16 million gallons, up 12.5 percent.

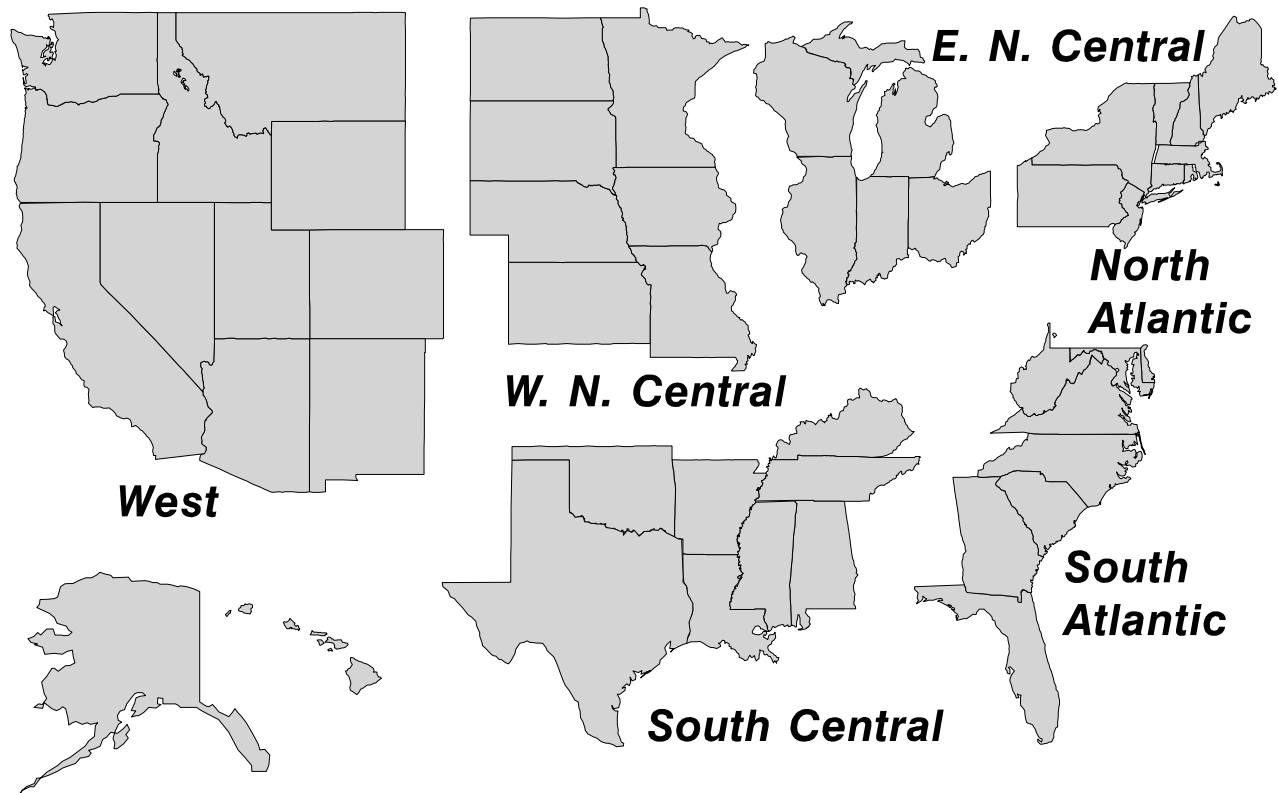
### **Dry milk products:** (comparisons with February 1998)

Nonfat dry milk for human food --- 116 million pounds, up 19.4 percent.

Dry whole milk --- 10.3 million pounds, up 1.7 percent.

Dry buttermilk --- 5.70 million pounds, up 12.7 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 For example, if North Atlantic can not be published, then it will be combined with South Atlantic to publish Atlantic.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, February, 1998-99**

Product	Feb 1998	Jan 1999 <sup>1</sup>	Feb 1999	Change From	
				Feb 1998	Jan 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
Butter	102,704	123,336	111,520	8.6	-9.6
Cheese					
American Types <sup>2</sup>	261,137	289,680	277,336	6.2	-4.3
Cheddar	207,494	233,772	218,862	5.5	-6.4
Swiss	17,110	18,650	16,658	-2.6	-10.7
Brick and Muenster	7,601	7,301	7,218	-5.0	-1.1
Cream and Neufchatel	39,682	44,425	42,179	6.3	-5.1
Blue	3,141	4,386	3,736	18.9	-14.8
Hispanic	5,728	6,162	6,450	12.6	4.7
Mozzarella	182,487	203,828	192,356	5.4	-5.6
Other Italian Types	48,909	55,206	46,144	-5.7	-16.4
Total Italian Types	231,396	259,034	238,500	3.1	-7.9
All Other Types	8,358	9,089	8,233	-1.5	-9.4
Total	574,153	638,727	600,310	4.6	-6.0
Cottage Cheese, Curd <sup>3</sup>	34,339	34,769	34,384	0.1	-1.1
Cottage Cheese, Cream <sup>4</sup>	27,730	26,028	27,397	-1.2	5.3
Cottage Cheese, Lowfat <sup>5</sup>	27,658	26,586	27,979	1.2	5.2
Canned Evaporated and Condensed Whole Milk	29,404	29,142	28,517	-3.0	-2.1
Dry Whole Milk	10,161	10,957	10,330	1.7	-5.7
Nonfat Dry Milk, Human	96,995	120,027	115,788	19.4	-3.5
Dry Skim Milk, Animal	438	400	322	-26.5	-19.5
Dry Buttermilk	5,062	6,274	5,703	12.7	-9.1
Yogurt, Plain & Flavored	131,701	126,445	133,437	1.3	5.5
	<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	64,253	57,387	62,783	-2.3	9.4
Ice Cream, Lowfat, Hard	7,536	6,777	7,553	0.2	11.5
Ice Cream, Lowfat, Soft	16,285	13,560	16,252	-0.2	19.9
Ice Cream, Lowfat, Total	23,821	20,337	23,805	-0.1	17.1
Ice Cream, Nonfat, Hard	2,661	2,167	2,062	-22.5	-4.8
Sherbet, Hard	3,589	3,170	3,671	2.3	15.8
Water and Juice Ices	5,107	4,162	5,485	7.4	31.8
Frozen Yogurt, Total	6,366	5,946	7,161	12.5	20.4
Regular & Lowfat, Hard	2,553	2,231	2,569	0.6	15.2
Nonfat, Hard	1,613	1,545	1,449	-10.2	-6.2
Other Frozen Dairy Products	798	874	1,164	45.9	33.2
Mix for Frozen Products					
Ice Cream Mix	35,374	31,453	34,203	-3.3	8.7
Ice Cream, Lowfat, Mix	14,823	12,607	14,810	-0.1	17.5
Ice Cream, Nonfat, Mix	1,467	1,283	1,184	-19.3	-7.7
Sherbet Mix	2,497	2,248	2,558	2.4	13.8
Yogurt Mix	4,029	3,763	4,532	12.5	20.4

<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, February, 1998-99**

Product	Feb 1998	Jan 1999 <sup>1</sup>	Feb 1999	Change From	
				Feb 1998	Jan 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	8,443	6,206	5,636	-33.2	-9.2
Sweet-Type, Animal	1,874	1,204	1,269	-32.3	5.4
Dry Whey Products					
Dry Whey, Human	88,308	89,337	83,474	-5.5	-6.6
Dry Whey, Animal	5,226	7,691	5,964	14.1	-22.5
Reduced Lactose and Minerals					
Human Food	5,404	6,878	7,819	44.7	13.7
Animal Feed	2,540	2,615	2,427	-4.4	-7.2
Lactose, Human and Animal	33,337	38,279	36,283	8.8	-5.2
Whey					
Solids in Wet Blends, Animal	1,916	3,508	3,300	72.2	-5.9
Protein Concentrate, Human	16,770	26,576	23,681	41.2	-10.9
Protein Concentrate, Animal	3,094	3,439	3,515	13.6	2.2
<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	34,409	42,307	38,776	12.7	-8.3
Dry Whey, Animal	2,982	8,412	5,685	90.6	-32.4
Reduced Lactose and Minerals					
Human and Animal <sup>4</sup>	7,734	10,444	9,178	18.7	-12.1
Lactose, Human and Animal	20,529	25,540	24,557	19.6	-3.8
Whey Protein Concentrate, Human	10,370	21,197	17,408	67.9	-17.9
Whey Protein Concentrate, Animal	1,155	2,262	1,910	65.4	-15.6
<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	22.8	19.7	18.2	-4.6	-1.5

<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	615,733	638,727	3.7	615,733	638,727	3.7
Feb	574,153	600,310	4.6	1,189,886	1,239,037	4.1
Mar	645,189			1,835,075		
Apr	641,316			2,476,391		
May	653,088			3,129,479		
Jun	641,140			3,770,619		
Jul	612,525			4,383,144		
Aug	596,041			4,979,185		
Sep	579,882			5,559,067		
Oct	621,199			6,180,266		
Nov	634,805			6,815,071		
Dec	667,654			7,482,725		
<b>American Cheese</b>						
Jan	283,248	289,680	2.3	283,248	289,680	2.3
Feb	261,137	277,336	6.2	544,385	567,016	4.2
Mar	285,205			829,590		
Apr	289,727			1,119,317		
May	293,106			1,412,423		
Jun	287,818			1,700,241		
Jul	277,252			1,977,493		
Aug	261,132			2,238,625		
Sep	245,425			2,484,050		
Oct	254,550			2,738,600		
Nov	269,693			3,008,293		
Dec	297,653			3,305,946		
<b>Cheddar Cheese</b>						
Jan	228,758	233,772	2.2	228,758	233,772	2.2
Feb	207,494	218,862	5.5	436,252	452,634	3.8
Mar	228,483			664,735		
Apr	232,522			897,257		
May	236,098			1,133,355		
Jun	227,879			1,361,234		
Jul	219,624			1,580,858		
Aug	204,651			1,785,509		
Sep	189,062			1,974,571		
Oct	204,981			2,179,552		
Nov	213,374			2,392,926		
Dec	238,140			2,631,066		

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>
Italian Cheese						
Jan	244,105	259,034	6.1	244,105	259,034	6.1
Feb	231,396	238,500	3.1	475,501	497,534	4.6
Mar	262,144			737,645		
Apr	253,698			991,343		
May	260,032			1,251,375		
Jun	251,413			1,502,788		
Jul	241,331			1,744,119		
Aug	241,725			1,985,844		
Sep	229,941			2,215,785		
Oct	254,690			2,470,475		
Nov	260,449			2,730,924		
Dec	265,396			2,996,320		
Mozzarella Cheese						
Jan	188,661	203,828	8.0	188,661	203,828	8.0
Feb	182,487	192,356	5.4	371,148	396,184	6.7
Mar	205,352			576,500		
Apr	198,455			774,955		
May	207,417			982,372		
Jun	197,876			1,180,248		
Jul	192,851			1,373,099		
Aug	191,321			1,564,420		
Sep	181,570			1,745,990		
Oct	199,378			1,945,368		
Nov	204,940			2,150,308		
Dec	210,018			2,360,326		
Other Italian						
Jan	55,444	55,206	-0.4	55,444	55,206	-0.4
Feb	48,909	46,144	-5.7	104,353	101,350	-2.9
Mar	56,792			161,145		
Apr	55,243			216,388		
May	52,615			269,003		
Jun	53,537			322,540		
Jul	48,480			371,020		
Aug	50,404			421,424		
Sep	48,371			469,795		
Oct	55,312			525,107		
Nov	55,509			580,616		
Dec	55,378			635,994		

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	113,512	123,336	8.7	113,512	123,336	8.7
Feb	102,704	111,520	8.6	216,216	234,856	8.6
Mar	100,773			316,989		
Apr	102,974			419,963		
May	92,948			512,911		
Jun	72,641			585,552		
Jul	67,129			652,681		
Aug	61,514			714,195		
Sep	67,138			781,333		
Oct	83,214			864,547		
Nov	87,192			951,739		
Dec	101,643			1,053,382		
Nonfat Dry Milk, Human						
Jan	103,703	120,027	15.7	103,703	120,027	15.7
Feb	96,995	115,788	19.4	200,698	235,815	17.5
Mar	107,318			308,016		
Apr	120,359			428,375		
May	121,295			549,670		
Jun	104,206			653,876		
Jul	90,243			744,119		
Aug	72,526			816,645		
Sep	59,946			876,591		
Oct	70,011			946,602		
Nov	69,998			1,016,600		
Dec	107,100			1,123,700		
Total Dry Whey <sup>2</sup>						
Jan	101,524	97,028	-4.4	101,524	97,028	-4.4
Feb	93,534	89,438	-4.4	195,058	186,466	-4.4
Mar	97,165			292,223		
Apr	98,892			391,115		
May	105,852			496,967		
Jun	103,973			600,940		
Jul	103,898			704,838		
Aug	97,857			802,695		
Sep	88,680			891,375		
Oct	89,506			980,881		
Nov	91,032			1,071,913		
Dec	100,055			1,171,968		

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	28,644	26,028	-9.1	28,644	26,028	-9.1
Feb	27,730	27,397	-1.2	56,374	53,425	-5.2
Mar	31,225			87,599		
Apr	30,304			117,903		
May	30,691			148,594		
Jun	30,823			179,417		
Jul	33,996			213,413		
Aug	31,810			245,223		
Sep	32,506			277,729		
Oct	30,079			307,808		
Nov	28,216			336,024		
Dec	28,780			364,804		
Lowfat Cottage Cheese						
Jan	28,203	26,586	-5.7	28,203	26,586	-5.7
Feb	27,658	27,979	1.2	55,861	54,565	-2.3
Mar	30,524			86,385		
Apr	30,316			116,701		
May	30,514			147,215		
Jun	30,106			177,321		
Jul	32,226			209,547		
Aug	29,665			239,212		
Sep	32,643			271,855		
Oct	29,490			301,345		
Nov	27,780			329,125		
Dec	27,018			356,143		
	<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	58,121	57,387	-1.3	58,121	57,387	-1.3
Feb	64,253	62,783	-2.3	122,374	120,170	-1.8
Mar	75,708			198,082		
Apr	78,799			276,881		
May	78,594			355,475		
Jun	88,381			443,856		
Jul	86,912			530,768		
Aug	76,874			607,642		
Sep	72,733			680,375		
Oct	64,880			745,255		
Nov	51,273			796,528		
Dec	55,075			851,603		

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	21,724	20,337	-6.4	21,724	20,337	-6.4
Feb	23,821	23,805	-0.1	45,545	44,142	-3.1
Mar	29,277			74,822		
Apr	32,044			106,866		
May	35,908			142,774		
Jun	38,534			181,308		
Jul	42,867			224,175		
Aug	40,188			264,363		
Sep	35,476			299,839		
Oct	25,815			325,654		
Nov	21,973			347,627		
Dec	23,561			371,188		
<b>Ice Cream, NF, Hard</b>						
Jan	2,857	2,167	-24.2	2,857	2,167	-24.2
Feb	2,661	2,062	-22.5	5,518	4,229	-23.4
Mar	3,139			8,657		
Apr	3,038			11,695		
May	3,005			14,700		
Jun	3,290			17,990		
Jul	2,899			20,889		
Aug	2,986			23,875		
Sep	2,682			26,557		
Oct	2,466			29,023		
Nov	2,204			31,227		
Dec	2,096			33,323		
<b>Sherbet, Hard</b>						
Jan	3,459	3,170	-8.4	3,459	3,170	-8.4
Feb	3,589	3,671	2.3	7,048	6,841	-2.9
Mar	4,368			11,416		
Apr	4,587			16,003		
May	4,445			20,448		
Jun	5,265			25,713		
Jul	5,270			30,983		
Aug	4,946			35,929		
Sep	4,024			39,953		
Oct	3,458			43,411		
Nov	3,036			46,447		
Dec	3,339			49,786		
<b>Frozen Yogurt</b>						
Jan	5,897	5,946	0.8	5,897	5,946	0.8
Feb	6,366	7,161	12.5	12,263	13,107	6.9
Mar	7,353			19,616		
Apr	8,278			27,894		
May	8,012			35,906		
Jun	8,406			44,312		
Jul	8,327			52,639		
Aug	7,846			60,485		
Sep	8,919			69,404		
Oct	7,015			76,419		
Nov	6,105			82,524		
Dec	5,930			88,454		

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

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

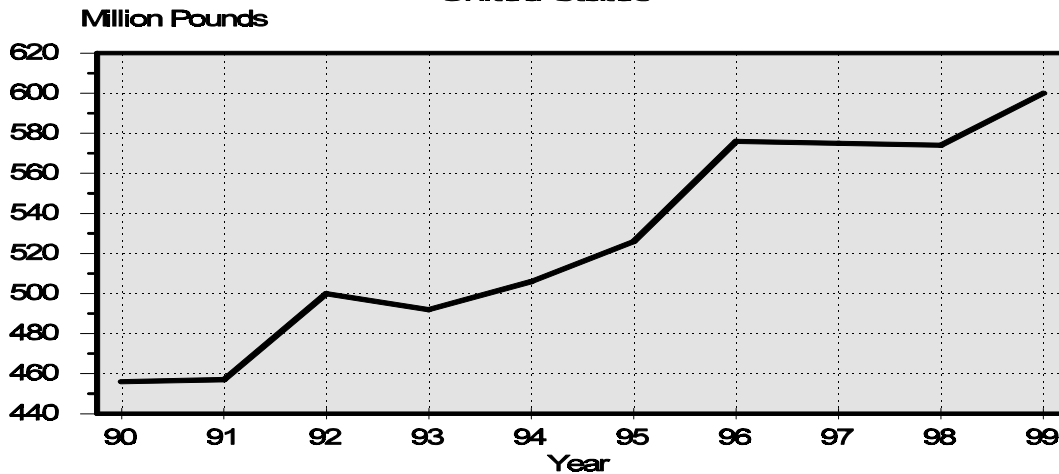
**Total Cheese, Excluding Cottage Cheese: Production by State and United States, February 1998-99**

State	Feb 1998	Jan <sup>1</sup> 1999	Feb 1999	Change From	
				Feb 1998	Jan 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	94,600	113,588	103,952	9.9	-8.5
ID	38,149	47,007	40,522	6.2	-13.8
IL	9,036	8,997	7,774	-14.0	-13.6
IA	18,939	20,837	19,632	3.7	-5.8
MN	49,864	56,303	53,662	7.6	-4.7
MO	9,475	8,493	9,771	3.1	15.0
NJ	3,540	4,702	3,104	-12.3	-34.0
NM	15,114	21,892	20,566	36.1	-6.1
NY	45,621	54,804	50,990	11.8	-7.0
ND	1,565	1,959	2,564	63.8	30.9
OH	9,302	10,077	9,775	5.1	-3.0
PA	29,201	27,850	25,579	-12.4	-8.2
SD	10,690	10,804	9,931	-7.1	-8.1
UT	4,204	5,383	5,140	22.3	-4.5
VT	7,616	8,382	9,192	20.7	9.7
WA	13,635	10,798	9,962	-26.9	-7.7
WI	161,602	175,914	168,579	4.3	-4.2
Oth Sts <sup>2</sup>	52,000	50,937	49,615	-4.6	-2.6
US	574,153	638,727	600,310	4.6	-6.0
N Atlantic	86,798	96,404	89,773	3.4	-6.9
S Atlantic	2,365	3,689	3,337	41.1	-9.5
E N Central	189,070	207,587	198,187	4.8	-4.5
W N Central	101,822	105,591	102,682	0.8	-2.8
S Central	5,742	3,834	3,482	-39.4	-9.2
West	188,356	221,622	202,849	7.7	-8.5

<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.

**February Total Cheese Production  
United States**



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

State	Feb 1998	Jan <sup>1</sup> 1999	Feb 1999	Change From	
				Feb 1998	Jan 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	39,507	48,814	46,477	17.6	-4.8
ID	35,037	42,225	38,431	9.7	-9.0
IA	8,219	9,795	8,908	8.4	-9.1
MN	43,774	51,388	48,583	11.0	-5.5
NM	4,184	4,730	4,767	13.9	0.8
NY	6,966	8,593	7,949	14.1	-7.5
ND	1,565	1,959	2,564	63.8	30.9
OH	2,535	2,820	2,714	7.1	-3.8
SD	4,182	4,725	4,155	-0.6	-12.1
UT	1,479	2,312	2,429	64.2	5.1
WA	9,190	7,942	8,046	-12.4	1.3
WI	72,000	78,000	74,020	2.8	-5.1
Oth Sts <sup>2</sup>	32,499	26,377	28,293	-12.9	7.3
US	261,137	289,680	277,336	6.2	-4.3
Atlantic	11,618	13,107	13,439	15.7	2.5
E N Central	75,791	82,465	78,420	3.5	-4.9
W N Central	63,705	71,434	67,803	6.4	-5.1
S Central	5,546	3,654	3,255	-41.3	-10.9
West	104,477	119,020	114,419	9.5	-3.9

<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, February 1998-99**

State	Feb 1998	Jan <sup>1</sup> 1999	Feb 1999	Change From	
				Feb 1998	Jan 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	28,547	37,647	33,430	17.1	-11.2
ID	20,968	28,476	24,742	18.0	-13.1
MN	42,094	49,717	46,983	11.6	-5.5
NY	6,820	8,532	7,837	14.9	-8.1
WI	58,000	63,200	59,000	1.7	-6.6
Oth Sts <sup>2</sup>	51,065	46,200	46,870	-8.2	1.5
US	207,494	233,772	218,862	5.5	-6.4
Atlantic	11,224	12,583	12,668	12.9	0.7
E N Cen	59,413	65,121	61,021	2.7	-6.3
W N Cen	53,911	60,053	56,452	4.7	-6.0
S Cen	5,546	3,654	3,255	-41.3	-10.9
West	77,400	92,361	85,466	10.4	-7.5

<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.

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

State	Feb 1998	Jan <sup>1</sup> 1999	Feb 1999	Change From	
				Feb 1998	Jan 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	41,721	50,024	47,237	13.2	-5.6
NY	15,944	18,977	17,734	11.2	-6.6
PA	19,036	18,306	16,105	-15.4	-12.0
VT	2,310	2,924	2,725	18.0	-6.8
WI	50,000	52,000	52,100	4.2	0.2
Oth Sts <sup>2</sup>	53,476	61,597	56,455	5.6	-8.3
US	182,487	203,828	192,356	5.4	-5.6
Atlantic	39,763	43,752	39,567	-0.5	-9.6
E N Central	59,676	64,259	64,147	7.5	-0.2
W N Central	19,096	16,722	15,920	-16.6	-4.8
West	63,952	79,095	72,722	13.7	-8.1

<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.

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

State	Feb 1998	Jan <sup>1</sup> 1999	Feb 1999	Change From	
				Feb 1998	Jan 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	21,758	29,875	25,079	15.3	-16.1
MN	5,924	7,144	5,319	-10.2	-25.5
NY	2,477	2,375	2,347	-5.2	-1.2
OR	2,200	2,540	2,400	9.1	-5.5
PA	5,165	6,605	6,742	30.5	2.1
WA	5,492	7,544	8,412	53.2	11.5
WI	28,000	35,200	30,040	7.3	-14.7
Oth Sts <sup>2</sup>	31,688	32,053	31,181	-1.6	-2.7
US	102,704	123,336	111,520	8.6	-9.6
N Atlantic	11,302	13,166	13,051	15.5	-0.9
S Atlantic	4,512	3,659	3,529	-21.8	-3.6
E N Central	35,849	42,941	38,158	6.4	-11.1
W N Central	10,524	12,672	10,748	2.1	-15.2
S Central	9,918	10,368	9,991	0.7	-3.6
West	30,599	40,530	36,043	17.8	-11.1

<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.

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

State	Feb 1998	Jan <sup>1</sup> 1999	Feb 1999	Change From	
				Feb 1998	Jan 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	37,594	51,036	46,623	24.0	-8.6
IA	4,633	5,784	5,771	24.6	-0.2
MN & WI	2,157	2,916	1,956	-9.3	-32.9
WA	10,257	15,478	14,652	42.8	-5.3
Oth Sts <sup>2</sup>	42,354	44,813	46,786	10.5	4.4
US	96,995	120,027	115,788	19.4	-3.5
Atlantic	21,556	22,463	21,264	-1.4	-5.3
E N Central	5,953	5,848	6,824	14.6	16.7
W N Central	7,325	8,935	8,736	19.3	-2.2
S Central	6,896	4,876	6,143	-10.9	26.0
West	55,265	77,905	72,821	31.8	-6.5

<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.

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

State	Feb 1998	Jan <sup>1</sup> 1999	Feb 1999	Change From	
				Feb 1998	Jan 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	8,771	9,754	8,724	-0.5	-10.6
MN	9,305	8,351	7,895	-15.2	-5.5
NY	8,672	9,456	9,465	9.1	0.1
UT	1,257	1,338	1,628	29.5	21.7
WA	6,675	5,902	4,729	-29.2	-19.9
WI	23,200	23,700	21,500	-7.3	-9.3
Oth Sts <sup>2</sup>	30,428	30,836	29,533	-2.9	-4.2
US	88,308	89,337	83,474	-5.5	-6.6
Atlantic	18,054	18,750	18,710	3.6	-0.2
N Central	41,870	42,028	38,309	-8.5	-8.8
West	27,798	28,559	26,455	-4.8	-7.4

<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, February 1998-99**

State	Feb 1998	Jan <sup>1</sup> 1999	Feb 1999	Change From	
				Feb 1998	Jan 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
MN	8,851	8,215	7,768	-12.2	-5.4
WI	8,500	7,491	7,565	-11.0	1.0
Oth Sts <sup>2</sup>	15,986	22,573	20,950	31.1	-7.2
US	33,337	38,279	36,283	8.8	-5.2
E N Central	8,500	8,567	8,662	1.9	1.1
W N Central	13,597	13,451	13,011	-4.3	-3.3
West	9,527	14,290	13,282	39.4	-7.1

<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.

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

State	Feb 1998	Jan <sup>1</sup> 1999	Feb 1999	Change From	
				Feb 1998	Jan 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	3,855	7,367	6,777	75.8	-8.0
MN	3,934	4,735	4,333	10.1	-8.5
WI	2,300	3,057	2,649	15.2	-13.3
Oth Sts <sup>2</sup>	6,681	11,417	9,922	48.5	-13.1
US	16,770	26,576	23,681	41.2	-10.9

<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, February 1998-99**

State	Feb 1998	Jan <sup>1</sup> 1999	Feb 1999	Change From	
				Feb 1998	Jan 1999
	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>Percent</i>	<i>Percent</i>
AZ	301	537	703	133.6	30.9
CA	7,700	6,441	7,988	3.7	24.0
FL	1,280	1,500	1,500	17.2	
GA	603	484	592	-1.8	22.3
ID	470	322	418	-11.1	29.8
IL	2,398	2,495	2,580	7.6	3.4
IN	5,566	5,347	4,967	-10.8	-7.1
KS	300	111	190	-36.7	71.2
KY	533	345	532	-0.2	54.2
MD	1,539	1,162	1,389	-9.7	19.5
MA	4,335	5,396	3,439	-20.7	-36.3
MI	1,520	780	750	-50.7	-3.8
MN	2,736	2,312	3,180	16.2	37.5
MO	1,325	715	1,380	4.2	93.0
NM	395	219	219	-44.6	
NY	2,500	2,100	2,500		19.0
NC	1,524	1,172	1,269	-16.7	8.3
OH	3,020	2,220	2,280	-24.5	2.7
OR	710	620	600	-15.5	-3.2
PA	3,100	2,949	3,061	-1.3	3.8
TN	1,095	1,267	1,066	-2.6	-15.9
TX	4,063	3,596	4,441	9.3	23.5
UT	678	629	770	13.6	22.4
VT	1,049	750	1,175	12.0	56.7
WA	1,355	1,215	1,168	-13.8	-3.9
WI	600	645	730	21.7	13.2
Oth Sts <sup>2</sup>	13,558	12,058	13,896	2.5	15.2
US	64,253	57,387	62,783	-2.3	9.4
N Atlantic	13,761	11,849	10,971	-20.3	-7.4
S Atlantic	6,845	6,502	6,809	-0.5	4.7
E N Central	13,104	11,487	11,307	-13.7	-1.6
W N Central	9,909	8,722	11,276	13.8	29.3
S Central	7,164	7,634	8,697	21.4	13.9
West	13,470	11,193	13,723	1.9	22.6

<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.

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

Product	Feb 1998	Jan 1999 <sup>1</sup>	Feb 1999	Change From	
				Feb 1998	Jan 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	7,898	8,619	8,243	4.4	-4.4
Nonfat Dry Milk, Human	86,737	69,402	70,961	-18.2	2.2
Dry Skim Milk, Animal	471	242	81	-82.8	-66.5
Dry Buttermilk, Human	3,216	2,462	2,270	-29.4	-7.8
<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	36,396	41,710	42,507	16.8	1.9
Dry Whole Milk	6,690	5,709	6,213	-7.1	8.8
Nonfat Dry Milk, Human	105,272	82,381	96,246	-8.6	16.8
Dry Skim Milk, Animal	734	1,291	1,397	90.3	8.2
Dry Buttermilk, Total	3,927	5,149	6,549	66.8	27.2
<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	119.20	134.61	122.21	3.01	-12.40
Dry Skim Milk, Animal	59.65	61.52	69.27	9.62	7.75
Dry Buttermilk, Human	93.66	92.37	77.89	-15.77	-14.48

<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 1,384 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 May 4, 1999.

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