



Dairy Products

Released July 1, 1999, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, U.S. Department of Agriculture. For information on "Dairy Products" call Shawn Clark at (202) 720-9168, office hours 7:30 a.m. to 4:00 p.m. ET.

May 1999 Highlights

American type cheese production totaled 319 million pounds, 6.9 percent above May 1998 and 0.2 percent above April 1999.

Total cheese output (excluding cottage cheese) was 675 million pounds, 3.4 percent above May 1998 and 0.3 percent above April 1999.

Cream cottage cheese production was 31.5 million pounds, 3.2 percent above May 1998 and 0.2 percent above April 1999.

Lowfat cottage cheese production was 30.1 million pounds, 1.3 percent below May 1998 but 0.9 percent above April 1999.

Butter production was 105 million pounds in May, 13.1 percent above May 1998 but 1.6 percent below April 1999.

Frozen dessert: (comparisons with May 1998)

Ice cream, Regular (hard) --- 75.9 million gallons, down 5.8 percent.

Ice cream, Lowfat (total) --- 39.0 million gallons, down 4.8 percent.

Ice cream, Nonfat (hard) --- 3.39 million gallons, down 5.6 percent.

Sherbet (hard) --- 4.90 million gallons, up 1.4 percent.

Frozen Yogurt (total) --- 8.96 million gallons, up 16.9 percent.

Dry milk products: (comparisons with May 1998)

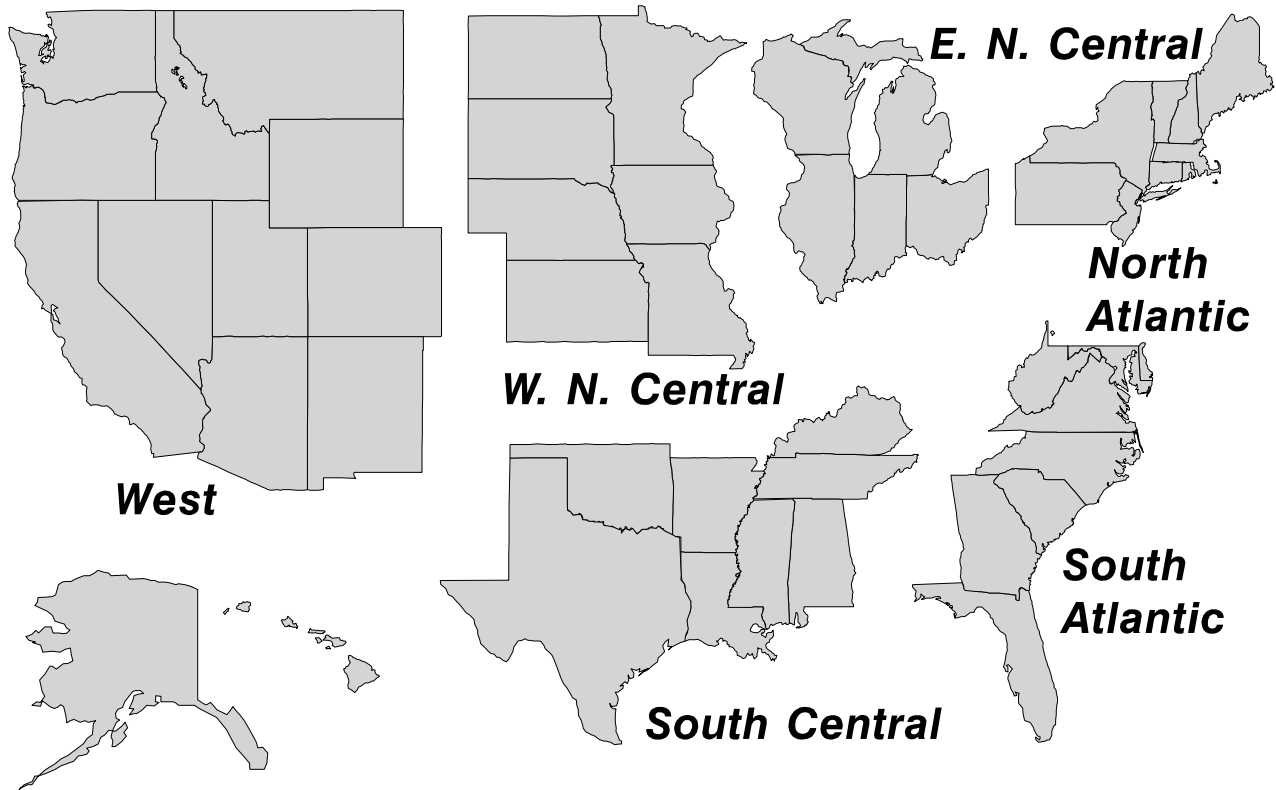
Nonfat dry milk for human food --- 135 million pounds, up 12.8 percent.

Dry whole milk --- 11.6 million pounds, down 3.5 percent.

Dry buttermilk --- 4.32 million pounds, down 16.6 percent.

**The next "Dairy Products" report will be released
at 8:30 a.m. ET on August 5, 1999.**

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. 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 For example, if North Atlantic can not be published, then it will be combined with South Atlantic to publish Atlantic.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, May, 1998-99**

Product	May 1998	Apr 1999 ¹	May 1999	Change From	
				May 1998	Apr 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
Butter	92,553	106,424	104,682	13.1	-1.6
Cheese					
American Types ²	298,507	318,600	319,197	6.9	0.2
Cheddar	243,230	257,475	258,450	6.3	0.4
Swiss	18,547	16,246	18,046	-2.7	11.1
Brick and Muenster	9,316	7,377	7,728	-17.0	4.8
Cream and Neufchatel	47,041	49,045	51,522	9.5	5.1
Blue	3,551	4,761	4,301	21.1	-9.7
Hispanic	6,096	6,978	7,059	15.8	1.2
Mozzarella	206,571	210,729	208,735	1.0	-0.9
Other Italian Types	52,442	49,205	47,911	-8.6	-2.6
Total Italian Types	259,013	259,934	256,646	-0.9	-1.3
All Other Types	10,483	10,032	10,300	-1.7	2.7
Total	652,554	672,973	674,799	3.4	0.3
Cottage Cheese, Curd ³	38,549	38,770	39,282	1.9	1.3
Cottage Cheese, Cream ⁴	30,484	31,402	31,466	3.2	0.2
Cottage Cheese, Lowfat ⁵	30,510	29,830	30,103	-1.3	0.9
Canned Evaporated and Condensed Whole Milk	39,355	39,910	44,167	12.2	10.7
Dry Whole Milk	11,994	9,941	11,573	-3.5	16.4
Nonfat Dry Milk, Human	119,730	133,680	135,082	12.8	1.0
Dry Skim Milk, Animal	462	396	422	-8.7	6.6
Dry Buttermilk	5,176	4,756	4,317	-16.6	-9.2
Yogurt, Plain & Flavored	135,411	137,852	142,684	5.4	3.5
	<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	80,569	76,332	75,882	-5.8	-0.6
Ice Cream, Lowfat, Hard	9,026	9,043	9,012	-0.2	-0.3
Ice Cream, Lowfat, Soft	31,925	27,536	29,984	-6.1	8.9
Ice Cream, Lowfat, Total	40,951	36,579	38,996	-4.8	6.6
Ice Cream, Nonfat, Hard	3,593	2,807	3,391	-5.6	20.8
Sherbet, Hard	4,832	4,728	4,898	1.4	3.6
Water and Juice Ices	8,625	9,721	8,418	-2.4	-13.4
Frozen Yogurt, Total	7,663	8,644	8,960	16.9	3.7
Regular & Lowfat, Hard	2,715	2,883	3,427	26.2	18.9
Nonfat, Hard	1,917	1,761	1,715	-10.5	-2.6
Other Frozen Dairy Products	1,173	1,269	1,217	3.8	-4.1
Mix for Frozen Products					
Ice Cream Mix	45,513	45,063	45,543	0.1	1.1
Ice Cream, Lowfat, Mix	23,127	19,983	21,327	-7.8	6.7
Ice Cream, Nonfat, Mix	2,322	1,704	2,131	-8.2	25.1
Sherbet Mix	3,415	3,690	3,786	10.9	2.6
Yogurt Mix	4,850	5,471	5,671	16.9	3.7

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, May, 1998-99**

Product	May 1998	Apr 1999 ¹	May 1999	Change From	
				May 1998	Apr 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	10,021	7,260	6,573	-34.4	-9.5
Sweet-Type, Animal	1,907	1,436	1,589	-16.7	10.7
Dry Whey Products					
Dry Whey, Human	97,965	91,381	94,756	-3.3	3.7
Dry Whey, Animal	7,696	7,640	8,419	9.4	10.2
Reduced Lactose and Minerals					
Human Food	6,204	8,509	7,352	18.5	-13.6
Animal Feed	2,837	2,610	2,899	2.2	11.1
Lactose, Human and Animal	41,097	43,278	42,532	3.5	-1.7
Whey					
Solids in Wet Blends, Animal	3,675	2,700	2,800	-23.8	3.7
Protein Concentrate, Human	21,776	25,450	28,082	29.0	10.3
Protein Concentrate, Animal	3,512	3,810	3,605	2.6	-5.4
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	29,710	53,753	53,779	81.0	
Dry Whey, Animal	4,433	8,885	9,188	107.3	3.4
Reduced Lactose and Minerals					
Human and Animal ⁴	9,668	12,414	13,807	42.8	11.2
Lactose, Human and Animal	32,694	28,604	28,700	-12.2	0.3
Whey Protein Concentrate, Human	11,646	18,311	15,957	37.0	-12.9
Whey Protein Concentrate, Animal	1,653	2,091	2,583	56.3	23.5
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	21.4	16.5	15.8	-5.6	-0.7

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	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	674,799	3.4	3,129,782	3,278,432	4.7
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	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	319,197	6.9	1,416,525	1,520,817	7.4
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	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	258,450	6.3	1,140,007	1,222,640	7.2
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, 1998-99 ¹ (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	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	256,646	-0.9	1,247,711	1,289,707	3.4
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	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	208,735	1.0	978,907	1,037,113	5.9
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	54,128	-4.1	161,202	155,478	-3.6
Apr	55,160	49,205	-10.8	216,362	204,683	-5.4
May	52,442	47,911	-8.6	268,804	252,594	-6.0
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, 1998-99 ¹ (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	104,682	13.1	529,810	559,670	5.6
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	128,473	20.4	309,933	364,288	17.5
Apr	119,740	133,680	11.6	429,673	497,968	15.9
May	119,730	135,082	12.8	549,403	633,050	15.2
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 Whey ²						
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	103,175	-2.4	496,964	490,707	-1.3
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, 1998-99 ¹ (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	31,466	3.2	150,033	146,668	-2.2
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	29,830	-3.0	118,819	118,592	-0.2
May	30,510	30,103	-1.3	149,329	148,695	-0.4
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	75,538	-3.5	206,258	196,043	-5.0
Apr	81,406	76,332	-6.2	287,664	272,375	-5.3
May	80,569	75,882	-5.8	368,233	348,257	-5.4
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, 1998-99 ¹ (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	30,764	-11.5	87,233	74,942	-14.1
Apr	37,631	36,579	-2.8	124,864	111,521	-10.7
May	40,951	38,996	-4.8	165,815	150,517	-9.2
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	2,370	-37.2	9,955	6,600	-33.7
Apr	3,459	2,807	-18.8	13,414	9,407	-29.9
May	3,593	3,391	-5.6	17,007	12,798	-24.7
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	4,728	3.1	16,223	16,235	0.1
May	4,832	4,898	1.4	21,055	21,133	0.4
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	8,813	6.7	20,781	21,926	5.5
Apr	8,055	8,644	7.3	28,836	30,570	6.0
May	7,663	8,960	16.9	36,499	39,530	8.3
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 April 1999 data revised.

² Excludes all modified dry whey products.

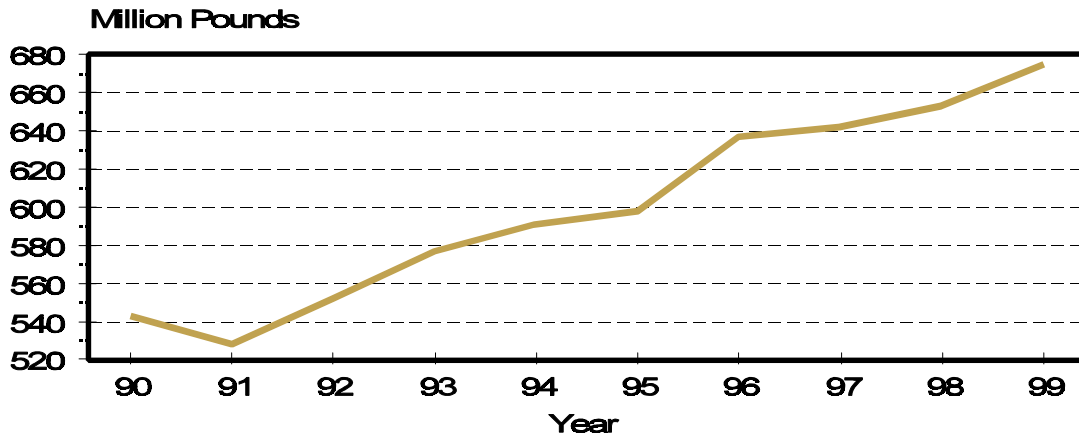
Total Cheese, Excluding Cottage Cheese: Production by State and United States, May 1998-99

State	May 1998	Apr ¹ 1999	May 1999	Change From	
				May 1998	Apr 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	107,141	116,080	114,280	6.7	-1.6
ID	43,526	45,994	47,559	9.3	3.4
IL	10,381	6,227	6,601	-36.4	6.0
IA	20,369	21,884	21,121	3.7	-3.5
MA	86	69	78	-9.3	13.0
MN	55,750	59,650	59,773	7.2	0.2
MO	11,399	13,674	15,155	33.0	10.8
NE	8,698			-14.6	
NY	54,589	56,321	56,118	2.8	-0.4
ND	2,011	2,606	2,066	2.7	-20.7
OH	10,734	11,251	11,861	10.5	5.4
PA	30,284	33,077	31,092	2.7	-6.0
SD	11,709	11,552	12,202	4.2	5.6
UT	5,916	6,711	6,488	9.7	-3.3
WA	14,722	12,967	11,896	-19.2	-8.3
WI	180,827	179,630	181,558	0.4	1.1
Oth Sts ²	84,412	95,280	96,951		1.8
US	652,554	672,973	674,799	3.4	0.3
N Atlantic	98,773	103,499	102,489	3.8	-1.0
S Atlantic	2,667	3,516	3,234	21.3	-8.0
E N Central	214,434	210,213	214,481		2.0
W N Central	112,709	116,901	117,804	4.5	0.8
S Central	6,477	4,192	3,948	-39.0	-5.8
West	217,494	234,652	232,843	7.1	-0.8

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.

May Total Cheese Production United States



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

State	May 1998	Apr ¹ 1999	May 1999	Change From	
				May 1998	Apr 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	46,012	53,341	52,394	13.9	-1.8
ID	40,635	42,186	43,406	6.8	2.9
IA	9,408	9,780	10,321	9.7	5.5
MN	49,649	56,505	56,758	14.3	0.4
NY		9,038	9,493		5.0
ND	2,011	2,606	2,066	2.7	-20.7
OH	3,144	3,394	3,182	1.2	-6.2
OR	4,588	4,902	4,962	8.2	1.2
SD	4,459	5,528	6,194	38.9	12.0
TN	521				
UT	3,153	4,034	3,468	10.0	-14.0
WA	9,836	11,004	9,930	1.0	-9.8
WI	81,095	82,275	83,880	3.4	2.0
Oth Sts ²	43,996	34,007	33,143		-2.5
US	298,507	318,600	319,197	6.9	0.2
Atlantic	15,182	15,518	16,121	6.2	3.9
E N Central	85,626	87,873	88,975	3.9	1.3
W N Central	72,635	79,183	79,566	9.5	0.5
S Central	6,176	3,953	3,579	-42.0	-9.5
West	118,888	132,073	130,956	10.2	-0.8

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.

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

State	May 1998	Apr ¹ 1999	May 1999	Change From	
				May 1998	Apr 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	35,545	39,157	38,300	7.8	-2.2
ID	25,558	27,636	29,166	14.1	5.5
MN	47,880	55,118	55,015	14.9	-0.2
NY	8,794	8,936	9,408	7.0	5.3
WI	67,415	68,000	69,100	2.5	1.6
Oth Sts ²	58,038	58,628	57,461	-1.0	-2.0
US	243,230	257,475	258,450	6.3	0.4
Atlantic	14,444	14,882	15,386	6.5	3.4
E N Cen	69,476	70,635	71,093	2.3	0.6
W N Cen	61,189	67,801	67,685	10.6	-0.2
S Cen	6,176	3,953	3,579	-42.0	-9.5
West	91,945	100,204	100,707	9.5	0.5

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.

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

State	May 1998	Apr ¹ 1999	May 1999	Change From	
				May 1998	Apr 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	45,998	50,836	49,979	8.7	-1.7
ID	154	399	282	83.1	-29.3
NY	19,716	19,445	20,447	3.7	5.2
WI	54,812	51,000	51,100	-6.8	0.2
Oth Sts ²	85,891	89,049	86,927	1.2	-2.4
US	206,571	210,729	208,735	1.0	-0.9
Atlantic	43,676	47,427	45,359	3.9	-4.4
E N Central	67,744	62,591	64,024	-5.5	2.3
W N Central	18,588	17,098	17,467	-6.0	2.2
West	76,563	83,613	81,885	7.0	-2.1

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.

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

State	May 1998	Apr ¹ 1999	May 1999	Change From	
				May 1998	Apr 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	21,316	24,389	22,462	5.4	-7.9
MN	6,247	5,005	5,521	-11.6	10.3
NY	1,584	2,296	2,021	27.6	-12.0
ND	371	410	285	-23.2	-30.5
OR	1,850	2,100	2,200	18.9	4.8
PA	8,882	9,538	11,055	24.5	15.9
WA	6,239	7,501	11,066	77.4	47.5
WI	23,963	28,300	26,600	11.0	-6.0
Oth Sts ²	22,101	26,885	23,472	6.2	-12.7
US	92,553	106,424	104,682	13.1	-1.6
N Atlantic	12,944	15,277	16,181	25.0	5.9
S Atlantic	3,229	2,645	1,771	-45.2	-33.0
E N Central	30,234	35,791	32,518	7.6	-9.1
W N Central	11,695	10,050	10,636	-9.1	5.8
S Central	4,688	8,264	7,604	62.2	-8.0
West	29,763	34,397	35,972	20.9	4.6

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.

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

State	May 1998	Apr ¹ 1999	May 1999	Change From	
				May 1998	Apr 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	48,521	60,575	58,506	20.6	-3.4
MN & WI	2,608	2,167	1,795	-31.2	-17.2
NM	5,405	4,828	5,403		11.9
ND		64	99		54.7
PA	8,304	10,500	9,713	17.0	-7.5
WA	12,928	14,983	15,974	23.6	6.6
Oth Sts ²	41,964	40,563	43,592	3.9	7.5
US	119,730	133,680	135,082		1.0
Atlantic	21,915	25,066	24,001	9.5	-4.2
E N Central	8,702	4,892	6,871	-21.0	40.5
W N Central	8,420	9,339	9,392	11.5	0.6
S Central	7,078	7,244	7,253	2.5	0.1
West	73,615	87,139	87,565	18.9	0.5

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.

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

State	May 1998	Apr ¹ 1999	May 1999	Change From	
				May 1998	Apr 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	10,216	9,382	9,036	-11.6	-3.7
MN	10,054	7,916	8,232	-18.1	4.0
NY	10,624	10,642	10,565	-0.6	-0.7
PA	8,626	10,542	10,959	27.0	4.0
UT	1,837	2,523	2,398	30.5	-5.0
WA	8,715	7,240	6,862	-21.3	-5.2
WI	25,096	22,400	24,400	-2.8	8.9
Oth Sts ²	22,797	20,736	22,304	-2.2	7.6
US	97,965	91,381	94,756	-3.3	3.7
Atlantic	20,451	21,184	21,524	5.2	1.6
Central	45,410	39,640	43,153	-5.0	8.9
West	32,104	30,557	30,079	-6.3	-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.

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

State	May 1998	Apr ¹ 1999	May 1999	Change From	
				May 1998	Apr 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
MN	11,880	9,038	8,644	-27.2	-4.4
WI	8,004	8,574	7,362	-8.0	-14.1
Oth Sts ²	21,213	25,666	26,526	25.0	3.4
US	41,097	43,278	42,532	3.5	-1.7
E N Central	9,090	9,509	8,465	-6.9	-11.0
W N Central	17,634	14,674	14,125	-19.9	-3.7
West	12,772	17,073	17,827	39.6	4.4

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.

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

State	May 1998	Apr ¹ 1999	May 1999	Change From	
				May 1998	Apr 1999
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	4,832	6,834	8,880	83.8	29.9
MN	5,020	4,269	4,510	-10.2	5.6
WI	2,615	4,520	4,308	64.7	-4.7
Oth Sts ²	9,309	9,827	10,384	11.5	5.7
US	21,776	25,450	28,082	29.0	10.3

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.

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

State	May 1998	Apr ¹ 1999	May 1999	Change From	
				May 1998	Apr 1999
	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>Percent</i>	<i>Percent</i>
CA	9,593	9,801	10,922	13.9	11.4
FL	2,062	1,630	1,940	-5.9	19.0
GA	650	751	813	25.1	8.3
IL	3,237	3,135	2,815	-13.0	-10.2
IN	5,662	6,106	4,993	-11.8	-18.2
ME	268	291	324	20.9	11.3
MD	1,891	1,951	1,854	-2.0	-5.0
MA	5,475	6,314	5,340	-2.5	-15.4
MI	2,230	2,700	2,000	-10.3	-25.9
MN	3,955	4,040	4,180	5.7	3.5
NH	37			-16.2	
NM	401	219	219	-45.4	
NY	2,824	2,700	2,800	-0.8	3.7
NC	1,953	1,645	1,987	1.7	20.8
ND	96	113	148	54.2	31.0
OH	3,713	2,964	2,840	-23.5	-4.2
OR	888	800	880	-0.9	10.0
PA	4,225	3,729	4,520	7.0	21.2
SD	2	2	2		
TN	1,448	1,270	1,359	-6.1	7.0
TX	4,758	4,750	5,084	6.9	7.0
UT	1,166	951	1,022	-12.3	7.5
WA	1,727	1,650	1,709	-1.0	3.6
WI	829	722	805	-2.9	11.5
Oth Sts ²	21,479	18,098	17,326		-4.3
US	80,569	76,332	75,882	-5.8	-0.6
N Atlantic	16,913	14,988	15,035	-11.1	0.3
S Atlantic	8,909	8,693	9,086	2.0	4.5
E N Central	15,671	15,627	13,453	-14.2	-13.9
W N Central	11,475	10,105	9,819	-14.4	-2.8
S Central	9,988	9,834	9,939	-0.5	1.1
West	17,613	17,085	18,550	5.3	8.6

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.

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

Product	May 1998	Apr 1999 ¹	May 1999	Change From	
				May 1998	Apr 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	6,850	8,452	8,168	19.2	-3.4
Nonfat Dry Milk, Human	80,377	81,579	75,573	-6.0	-7.4
Dry Skim Milk, Animal	438	318	219	-50.0	-31.1
Dry Buttermilk, Human	2,439	2,849	3,744	53.5	31.4
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>
Canned Evaporated and Condensed Whole Milk	44,346	40,726	45,439	2.5	11.6
Dry Whole Milk	8,456	5,263	7,665	-9.4	45.6
Nonfat Dry Milk, Human	132,679	136,474	161,404	21.6	18.3
Dry Skim Milk, Animal	927	1,329	1,635	76.4	23.0
Dry Buttermilk, Total	6,177	6,942	4,977	-19.4	-28.3
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	117.99	117.82	117.56	-0.43	-0.26
Dry Skim Milk, Animal	59.12	54.90	58.78	-0.34	3.88
Dry Buttermilk, Human	97.20	74.76	73.51	-23.69	-1.25

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 8:30 a.m. ET on August 5, 1999.

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