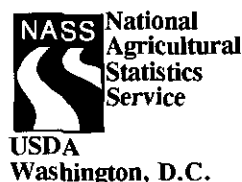


# Dairy Products



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## July 1997 Highlights

**American type cheese** production totaled 285 million pounds, 5.9 percent above July 1996 but 0.4 percent below June 1997.

**Total cheese output** (excluding cottage cheese) was 617 million pounds, 5.9 percent above July 1996 but 1.7 percent below June 1997.

**Cream cottage cheese** production was 32.5 million pounds, 0.9 percent above July 1996 and 7.9 percent above June 1997.

**Lowfat cottage cheese** production was 31.0 million pounds, 2.5 percent above July 1996 and 8.6 percent above June 1997.

**Butter** production was 81.7 million pounds in July, 8.6 percent above July 1996 but 0.1 percent below June 1997.

### **Frozen dessert:** (comparisons with July 1996)

Ice cream, Regular (hard) --- 84.9 million gallons, down 2.3 percent.

Ice cream, Lowfat (total) --- 37.2 million gallons, down 6.0 percent.

Ice cream, Nonfat (hard) --- 4.70 million gallons, up 22.8 percent.

Sherbet (hard) --- 5.06 million gallons, down 11.3 percent.

Frozen Yogurt (total) --- 9.05 million gallons, down 26.6 percent.

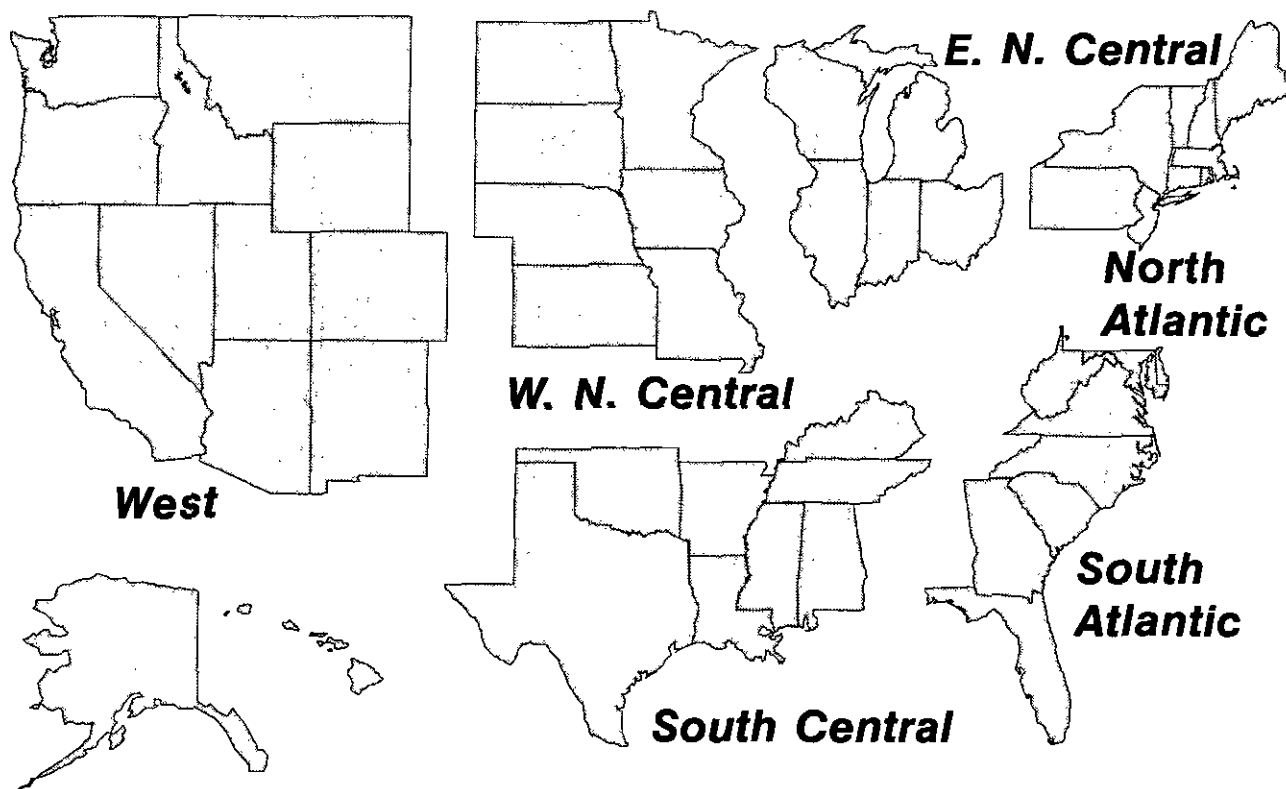
### **Dry milk products:** (comparisons with July 1996)

Nonfat dry milk for human food --- 113 million pounds, up 43.8 percent.

Dry whole milk --- 9.85 million pounds, down 13.8 percent.

Dry buttermilk --- 2.99 million pounds, up 37.8 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 For example, if North Atlantic can not be published, then it will be combined with South Atlantic to publish Atlantic.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, July, 1996-97**

Product	Jul 1996	Jun 1997 <sup>1</sup>	Jul 1997	Change From	
				Jul 1996	Jun 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
Butter	75,175	81,794	81,675	8.6	-1
Cheese					
American Types <sup>2</sup>	269,320	286,145	285,143	5.9	-4
Cheddar	206,801	233,064	231,797	12.1	-5
Swiss	18,798	18,348	18,032	-4.1	-1.7
Brick and Muenster	9,474	9,114	9,241	-2.5	1.4
Cream and Neufchatel	41,416	52,906	44,411	7.2	-16.1
Blue	3,058	4,106	2,919	-4.5	-28.9
Hispanic	6,086	5,349	5,797	-4.7	8.4
Mozzarella	179,460	187,653	186,311	3.8	-7
Other Italian Types	45,552	54,147	54,315	19.2	.3
Total Italian Types	225,012	241,800	240,626	6.9	-5
All Other Types <sup>3</sup>	9,046	9,742	10,362	14.5	6.4
Total	582,210	627,510	616,531	5.9	-1.7
Cottage Cheese, Curd <sup>4</sup>	38,151	37,495	39,684	4.0	5.8
Cottage Cheese, Cream <sup>5</sup>	32,230	30,146	32,520	.9	7.9
Cottage Cheese, Lowfat <sup>6</sup>	30,250	28,542	31,010	2.5	8.6
Canned Evaporated and Condensed Whole Milk	36,425	45,029	38,813	6.6	-13.8
Dry Whole Milk	11,424	9,843	9,845	-13.8	
Nonfat Dry Milk, Human	78,849	120,336	113,399	43.8	-5.8
Dry Skim Milk, Animal	533	735	509	-4.5	-30.7
Dry Buttermilk	2,172	2,750	2,993	37.8	8.8
Yogurt, Plain & Flavored	125,731	141,365	128,055	1.8	-9.4
	<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	86,931	84,540	84,935	-2.3	.5
Ice Cream, Lowfat, Hard	10,494	10,981	10,126	-3.5	-7.8
Ice Cream, Lowfat, Soft	29,084	25,130	27,061	-7.0	7.7
Ice Cream, Lowfat, Total	39,578	36,111	37,187	-6.0	3.0
Ice Cream, Nonfat, Hard	3,828	3,987	4,699	22.8	17.9
Sherbet, Hard	5,704	5,011	5,062	-11.3	1.0
Water and Juice Ices	8,405	7,899	7,983	-5.0	1.1
Frozen Yogurt, Total	12,321	9,180	9,049	-26.6	-1.4
Regular & Lowfat, Hard	5,326	3,992	3,791	-28.8	-5.0
Nonfat, Hard	2,537	2,744	2,710	6.8	-1.2
Other Frozen Dairy Products	2,037	1,437	1,422	-30.2	-1.0
Mix for Frozen Products					
Ice Cream Mix	48,088	46,596	47,210	-1.8	1.3
Ice Cream, Lowfat, Mix	23,144	22,533	23,370	1.0	3.7
Ice Cream, Nonfat, Mix	2,409	2,221	2,503	3.9	12.7
Sherbet Mix	4,078	3,491	3,331	-18.3	-4.6
Yogurt Mix	7,798	5,810	5,727	-26.6	-1.4

<sup>1</sup> Revised.

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

<sup>3</sup> Does not include Part Skim cheese beginning January 1996 or Hispanic cheese beginning June 1996.

<sup>4</sup> Mostly used for processing into cream or lowfat cottage cheese.

<sup>5</sup> Fat content 4 percent or more.

<sup>6</sup> Fat content less than 4 percent.

**Whey and Modified Whey Products: Production, Stocks,  
and Prices, United States, July, 1996-97**

Product	Jul 1996	Jun 1997 <sup>1</sup>	Jul 1997	Change From	
				Jul 1996	Jun 1997
<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	6,492	7,440	4,297	-33.8	-42.2
Sweet-Type, Animal	2,416	2,337	2,290	-5.2	-2.0
Dry Whey Products					
Dry Whey, Human	89,949	98,192	97,426	8.3	-8
Dry Whey, Animal	5,419	6,809	5,446	.5	-20.0
Reduced Lactose and Minerals					
Human Food	6,602	4,719	4,610	-30.2	-2.3
Animal Feed	1,966	2,642	2,411	22.6	-8.7
Lactose, Human and Animal	32,965	39,236	39,263	19.1	.1
Whey					
Solids in Wet Blends, Animal	4,952	5,699	5,780	16.7	1.4
Protein Concentrate, Human	20,425	23,132	23,150	13.3	.1
Protein Concentrate, Animal	2,865	2,901	2,887	.8	-5
<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	37,054	30,521	34,309	-7.4	12.4
Dry Whey, Animal	4,744	4,528	3,443	-27.4	-24.0
Reduced Lactose and Minerals					
Human and Animal <sup>4</sup>	12,134	13,232	13,127	8.2	-8
Lactose, Human and Animal	20,092	24,289	25,837	28.6	6.4
Whey Protein Concentrate, Human	8,593	7,832	8,437	-1.8	7.7
Whey Protein Concentrate, Animal	447	738	988	121.0	33.9
<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, Human	20.9	18.3	20.2	-.7	1.9
Dry Whey, Animal	20.1	17.9	19.8	-.3	1.9

<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, 1996-97**

Product and Month	By Month			Cumulative		
	1996	1997	Change From 1996	1996	1997	Change From 1996
	<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	589,952	596,052	1.0	589,952	596,052	1.0
Feb	576,024	574,617	-.2	1,165,976	1,170,669	.4
Mar	625,400	638,073	2.0	1,791,376	1,808,742	1.0
Apr	606,017	601,701	-.7	2,397,393	2,410,443	.5
May	636,544	640,474	.6	3,033,937	3,050,917	.6
Jun	595,823	627,510	5.3	3,629,760	3,678,427	1.3
Jul	582,210	616,531	5.9	4,211,970	4,294,958	2.0
Aug	589,483			4,801,453		
Sep	584,468			5,385,921		
Oct	612,242			5,998,163		
Nov	595,495			6,593,658		
Dec	623,886			7,217,544		
<b>American Cheese</b>						
Jan	275,726	278,873	1.1	275,726	278,873	1.1
Feb	266,815	266,818		542,541	545,691	.6
Mar	284,675	284,897	.1	827,216	830,588	.4
Apr	278,037	279,162	.4	1,105,253	1,109,750	.4
May	302,187	294,880	-2.4	1,407,440	1,404,630	-.2
Jun	278,510	286,145	2.7	1,685,950	1,690,775	.3
Jul	269,320	285,143	5.9	1,955,270	1,975,918	1.1
Aug	262,260			2,217,530		
Sep	254,489			2,472,019		
Oct	266,208			2,738,227		
Nov	262,203			3,000,430		
Dec	280,369			3,280,799		
<b>Cheddar Cheese</b>						
Jan	216,472	215,919	-.3	216,472	215,919	-.3
Feb	207,412	208,135	.3	423,884	424,054	
Mar	226,096	231,626	2.4	649,980	655,680	.9
Apr	219,048	226,157	3.2	869,028	881,837	1.5
May	238,814	239,487	.3	1,107,842	1,121,324	1.2
Jun	218,137	233,064	6.8	1,325,979	1,354,388	2.1
Jul	206,801	231,797	12.1	1,532,780	1,586,185	3.5
Aug	197,738			1,730,518		
Sep	196,774			1,927,292		
Oct	205,862			2,133,154		
Nov	199,753			2,332,907		
Dec	216,085			2,548,992		

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,  
United States, 1996-97 (continued)**

Product and Month	By Month			Cumulative		
	1996	1997	Change From 1996	1996	1997	Change From 1996
	<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	234,299	233,867	-2	234,299	233,867	-2
Feb	230,311	227,335	-1.3	464,610	461,202	-7
Mar	248,911	256,477	3.0	713,521	717,679	.6
Apr	238,601	239,882	.5	952,122	957,561	.6
May	239,149	251,316	5.1	1,191,271	1,208,877	1.5
Jun	223,238	241,800	8.3	1,414,509	1,450,677	2.6
Jul	225,012	240,626	6.9	1,639,521	1,691,303	3.2
Aug	231,172			1,870,693		
Sep	231,391			2,102,084		
Oct	234,731			2,336,815		
Nov	230,654			2,567,469		
Dec	244,928			2,812,397		
<b>Mozzarella Cheese</b>						
Jan	187,781	187,757		187,781	187,757	
Feb	186,002	184,700	-7	373,783	372,457	-4
Mar	196,355	198,327	1.0	570,138	570,784	.1
Apr	190,988	189,500	-.8	761,126	760,284	-.1
May	192,406	199,537	3.7	953,532	959,821	.7
Jun	180,156	187,653	4.2	1,133,688	1,147,474	1.2
Jul	179,460	186,311	3.8	1,313,148	1,333,785	1.6
Aug	186,596			1,499,744		
Sep	186,238			1,685,982		
Oct	187,062			1,873,044		
Nov	183,362			2,056,406		
Dec	193,808			2,250,214		
<b>Other Italian</b>						
Jan	46,518	46,110	-.9	46,518	46,110	-.9
Feb	44,309	42,635	-3.8	90,827	88,745	-2.3
Mar	52,556	58,150	10.6	143,383	146,895	2.4
Apr	47,613	50,382	5.8	190,996	197,277	3.3
May	46,743	51,779	10.8	237,739	249,056	4.8
Jun	43,082	54,147	25.7	280,821	303,203	8.0
Jul	45,552	54,315	19.2	326,373	357,518	9.5
Aug	44,576			370,949		
Sep	45,153			416,102		
Oct	47,669			463,771		
Nov	47,292			511,063		
Dec	51,120			562,183		

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,  
United States, 1996-97 (continued)**

Product and Month	By Month			Cumulative		
	1996	1997	Change From 1996	1996	1997	Change From 1996
	<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>Butter</b>						
Jan	132,408	123,966	-6.4	132,408	123,966	-6.4
Feb	114,734	108,259	-5.6	247,142	232,225	-6.0
Mar	111,937	104,081	-7.0	359,079	336,306	-6.3
Apr	109,345	117,458	7.4	468,424	453,764	-3.1
May	100,914	103,090	2.2	569,338	556,854	-2.2
Jun	72,716	81,794	12.5	642,054	638,648	-.5
Jul	75,175	81,675	8.6	717,229	720,323	.4
Aug	73,217			790,446		
Sep	80,743			871,189		
Oct	96,623			967,812		
Nov	95,343			1,063,155		
Dec	111,320			1,174,475		
<b>Nonfat Dry Milk, Human</b>						
Jan	97,413	97,288	-.1	97,413	97,288	-.1
Feb	93,091	91,984	-1.2	190,504	189,272	-.6
Mar	105,442	109,033	3.4	295,946	298,305	.8
Apr	116,790	127,255	9.0	412,736	425,560	3.1
May	114,445	132,797	16.0	527,181	558,357	5.9
Jun	94,341	120,336	27.6	621,522	678,693	9.2
Jul	78,849	113,399	43.8	700,371	792,092	13.1
Aug	61,427			761,798		
Sep	56,034			817,832		
Oct	65,690			883,522		
Nov	76,732			960,254		
Dec	101,517			1,061,771		
<b>Total Dry Whey<sup>1</sup></b>						
Jan	94,663	92,568	-2.2	94,663	92,568	-2.2
Feb	94,917	86,944	-8.4	189,580	179,512	-5.3
Mar	98,371	97,365	-1.0	287,951	276,877	-3.8
Apr	99,674	92,889	-6.8	387,625	369,766	-4.6
May	100,853	102,061	1.2	488,478	471,827	-3.4
Jun	98,053	101,402	3.4	586,531	573,229	-2.3
Jul	95,368	102,872	7.9	681,899	676,101	-.9
Aug	93,238			775,137		
Sep	86,030			861,167		
Oct	87,603			948,770		
Nov	78,765			1,027,535		
Dec	88,979			1,116,514		

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,  
United States, 1996-97 (continued)**

Product and Month	By Month			Cumulative		
	1996	1997	Change From 1996	1996	1997	Change From 1996
	<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>Cream Cottage Cheese</b>						
Jan	29,524	28,672	-2.9	29,524	28,672	-2.9
Feb	29,167	27,807	-4.7	58,691	56,479	-3.8
Mar	30,203	29,471	-2.4	88,894	85,950	-3.3
Apr	29,365	29,328	-.1	118,259	115,278	-2.5
May	31,940	30,963	-3.1	150,199	146,241	-2.6
Jun	29,813	30,146	1.1	180,012	176,387	-2.0
Jul	32,230	32,520	.9	212,242	208,907	-1.6
Aug	32,058			244,300		
Sep	30,607			274,907		
Oct	30,662			305,569		
Nov	27,864			333,433		
Dec	26,980			360,413		
<b>Lowfat Cottage Cheese</b>						
Jan	25,843	26,851	3.9	25,843	26,851	3.9
Feb	26,672	26,731	.2	52,515	53,582	2.0
Mar	27,930	29,676	6.3	80,445	83,258	3.5
Apr	28,295	28,377	.3	108,740	111,635	2.7
May	29,113	30,414	4.5	137,853	142,049	3.0
Jun	27,375	28,542	4.3	165,228	170,591	3.2
Jul	30,250	31,010	2.5	195,478	201,601	3.1
Aug	29,428			224,906		
Sep	28,290			253,196		
Oct	27,118			280,314		
Nov	25,537			305,851		
Dec	24,039			329,890		
	<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, Hard</b>						
Jan	56,419	58,621	3.9	56,419	58,621	3.9
Feb	62,337	63,204	1.4	118,756	121,825	2.6
Mar	68,258	72,641	6.4	187,014	194,466	4.0
Apr	74,011	74,758	1.0	261,025	269,224	3.1
May	79,862	78,239	-2.0	340,887	347,463	1.9
Jun	85,562	84,540	-1.2	426,449	432,003	1.3
Jul	86,931	84,935	-2.3	513,380	516,938	.7
Aug	77,490			590,870		
Sep	67,962			658,832		
Oct	62,395			721,227		
Nov	50,905			772,132		
Dec	53,106			825,238		

See footnotes at end of table.

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**Dairy Products: Production by Product and Month,  
United States, 1996-97 (continued)**

Product and Month	By Month			Cumulative		
	1996	1997	Change From 1996	1996	1997	Change From 1996
	<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	23,291	23,205	-4	23,291	23,205	-4
Feb	24,704	23,501	-4.9	47,995	46,706	-2.7
Mar	31,952	31,646	-1.0	79,947	78,352	-2.0
Apr	33,111	31,373	-5.2	113,058	109,725	-2.9
May	36,495	33,650	-7.8	149,553	143,375	-4.1
Jun	38,647	36,111	-6.6	188,200	179,486	-4.6
Jul	39,578	37,187	-6.0	227,778	216,673	-4.9
Aug	36,666			264,444		
Sep	29,763			294,207		
Oct	27,135			321,342		
Nov	23,452			344,794		
Dec	21,332			366,126		
<b>Ice Cream, NF, Hard</b>						
Jan	2,383	2,117	-11.2	2,383	2,117	-11.2
Feb	2,679	2,690	.4	5,062	4,807	-5.0
Mar	3,541	2,544	-28.2	8,603	7,351	-14.6
Apr	3,148	3,070	-2.5	11,751	10,421	-11.3
May	3,488	3,034	-13.0	15,239	13,455	-11.7
Jun	3,402	3,987	17.2	18,641	17,442	-6.4
Jul	3,828	4,699	22.8	22,469	22,141	-1.5
Aug	3,244			25,713		
Sep	3,087			28,800		
Oct	2,832			31,632		
Nov	1,836			33,468		
Dec	1,722			35,190		
<b>Sherbet, Hard</b>						
Jan	3,489	3,331	-4.5	3,489	3,331	-4.5
Feb	3,587	3,611	.7	7,076	6,942	-1.9
Mar	4,245	4,085	-3.8	11,321	11,027	-2.6
Apr	4,526	4,341	-4.1	15,847	15,368	-3.0
May	4,919	5,272	7.2	20,766	20,640	-.6
Jun	5,113	5,011	-2.0	25,879	25,651	-.9
Jul	5,704	5,062	-11.3	31,583	30,713	-2.8
Aug	4,975			36,558		
Sep	3,649			40,207		
Oct	3,440			43,647		
Nov	2,765			46,412		
Dec	3,081			49,493		
<b>Frozen Yogurt</b>						
Jan	8,538	6,467	-24.3	8,538	6,467	-24.3
Feb	9,295	8,034	-13.6	17,833	14,501	-18.7
Mar	10,815	8,559	-20.9	28,648	23,060	-19.5
Apr	11,308	8,788	-22.3	39,956	31,848	-20.3
May	11,841	8,466	-28.5	51,797	40,314	-22.2
Jun	10,949	9,180	-16.2	62,746	49,494	-21.1
Jul	12,321	9,049	-26.6	75,067	58,543	-22.0
Aug	11,205			86,272		
Sep	9,480			95,752		
Oct	8,502			104,254		
Nov	7,205			111,459		
Dec	6,672			118,131		

<sup>1</sup> Excludes all modified dry whey products.

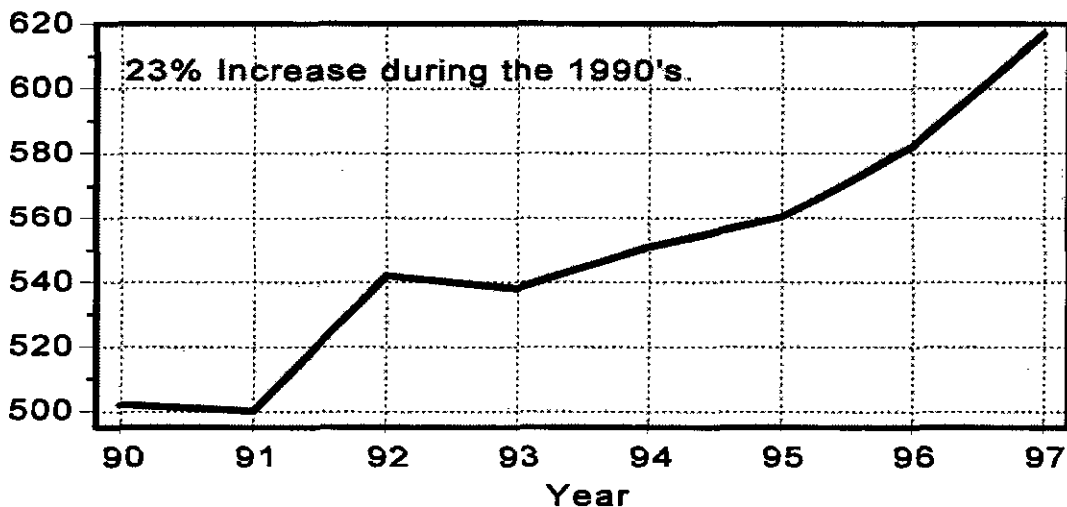
**Total Cheese, Excluding Cottage Cheese: Production by State and United States, July 1996-97**

State	Jul 1996	Jun 1997	Jul 1997	Change From	
				Jul 1996	Jun 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	85,627	100,417	103,854	21.3	3.4
ID	36,597	39,680	40,090	9.5	1.0
IL	9,882	9,628	10,002	1.2	3.9
IA	17,578	20,613	19,481	10.8	-5.5
KS	1,923	2,608	2,005	4.3	-23.1
MA	77	81	78	1.3	-3.7
MN	54,240	57,322	55,432	2.2	-3.3
MO	10,737	14,027	12,747	18.7	-9.1
NE	9,311	8,209	7,877	-15.4	-4.0
NY	45,601	51,063	47,980	5.2	-6.0
ND	2,230	2,449	2,180	-2.2	-11.0
OH	8,546	9,774	9,184	7.5	-6.0
OR	4,367	4,185	4,351	-4	4.0
PA	26,991	29,280	30,060	11.4	2.7
SD	10,438	10,720	11,823	13.3	10.3
TN	717	1,403	1,403	95.7	
UT	6,296	5,694	6,009	-4.6	5.5
VT	9,664	8,032	8,171	-15.4	1.7
WA	8,696	9,731	9,659	11.1	-7
WI	173,452	180,868	173,350	-1	-4.2
Oth Sts <sup>1</sup>	59,240	61,726	60,795	2.6	-1.5
US	582,210	627,510	616,531	5.9	-1.7
N Atlantic	87,661	93,733	91,340	4.2	-2.6
S Atlantic	1,960	1,961	2,193	11.9	11.8
E N Central	202,448	211,158	202,949	.2	-3.9
W N Central	106,457	115,948	111,545	4.8	-3.8
S Central	11,351	11,031	7,767	-31.6	-29.6
West	172,333	193,679	200,737	16.5	3.6

<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

## July Total Cheese Production United States

Million Pounds



**American Cheese: Production by State and United States, July 1996-97**

State	Jul 1996	Jun 1997	Jul 1997	Change From	
				Jul 1996	Jun 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	35,208	38,894	42,549	20.9	9.4
ID	32,623	36,278	37,229	14.1	2.6
IA	7,990	8,666	8,212	2.8	-5.2
KS	1,923	2,608	2,005	4.3	-23.1
MN	44,594	49,241	49,855	11.8	1.2
NY	7,305	8,781	8,311	13.8	-5.4
ND	2,230	2,449	2,180	-2.2	-11.0
OH	2,600	3,003	2,797	7.6	-6.9
SD	4,294	4,246	4,582	6.7	7.9
TN	701	1,403	1,403	100.1	
UT	2,309	2,569	3,155	36.6	22.8
WA	4,409	5,069	5,116	16.0	.9
WI	80,927	81,250	79,700	-1.5	-1.9
Oth Sts <sup>1</sup>	42,207	41,688	38,049	-9.9	-8.7
US	269,320	286,145	285,143	5.9	-.4
Atlantic	12,027	12,850	12,612	4.9	-1.9
E N Central	85,095	85,922	83,943	-1.4	-2.3
W N Central	64,982	71,554	70,936	9.2	-.9
S Central	11,170	10,794	7,609	-31.9	-29.5
West	96,046	105,025	110,043	14.6	4.8

<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

**Mozzarella Cheese: Production by State and United States, July 1996-97**

State	Jul 1996	Jun 1997	Jul 1997	Change From	
				Jul 1996	Jun 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	39,595	42,161	41,636	5.2	-1.2
ID	535	255	465	-13.1	82.4
NY	16,235	16,292	16,555	2.0	1.6
PA	15,765	19,500	20,824	32.1	6.8
VT	3,922	2,536	2,480	-36.8	-2.2
WI	52,861	54,750	52,000	-1.6	-5.0
Oth Sts <sup>1</sup>	50,547	52,159	52,351	3.6	.4
US	179,460	187,653	186,311	3.8	-.7
Atlantic	38,525	40,845	42,478	10.3	4.0
E N Central	63,493	65,732	62,675	-1.3	-4.7
W N Central	20,705	19,337	16,907	-18.3	-12.6
West	56,721	61,739	64,251	13.3	4.1

<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

**Butter: Production by State and United States, July 1996-97**

State	Jul 1996	Jun 1997	Jul 1997	Change From	
				Jul 1996	Jun 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	18,322	21,521	23,409	27.8	8.8
MI	1,425	1,873	1,260	-11.6	-32.7
MN	4,420	5,674	5,298	19.9	-6.6
NY	2,006	1,844	1,714	-14.6	-7.0
ND	226	290	289	27.9	-3
OR	1,413	1,740	1,660	17.5	-4.6
PA	5,240	5,190	4,263	-18.6	-17.9
WA	8,598	7,559	8,540	-7	13.0
WI	20,208	20,000	21,000	3.9	5.0
Oth Sts <sup>1</sup>	13,317	16,103	14,242	6.9	-11.6
US	75,175	81,794	81,675	8.6	-1
N Atlantic	8,234	7,959	7,219	-12.3	-9.3
S Atlantic	1,655	2,559	1,668	.8	-34.8
E N Central	24,829	26,009	25,656	3.3	-1.4
W N Central	8,642	10,005	9,709	12.3	-3.0
S Central	3,409	4,288	3,723	9.2	-13.2
West	28,406	30,974	33,700	18.6	8.8

<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

**Nonfat Dry Milk, Human: Production by State  
and United States, July 1996-97**

State	Jul 1996	Jun 1997	Jul 1997	Change From	
				Jul 1996	Jun 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	34,114	48,198	51,010	49.5	5.8
IA	4,785	6,181	5,717	19.5	-7.5
MI	1,047	5,927	2,932	180.0	-50.5
MN	891	1,326	1,245	39.7	-6.1
NM		3,042	3,042		
NY	2,686	2,099	1,968	-26.7	-6.2
ND	268	84	153	-42.9	82.1
WA	17,496	16,972	18,133	3.6	6.8
WI	2,702	3,237	3,135	16.0	-3.2
Oth Sts <sup>1</sup>	14,860	33,270	26,064	75.4	-21.7
US	78,849	120,336	113,399	43.8	-5.8
Atlantic	12,839	23,102	19,420	51.3	-15.9
E N Central	3,908	11,163	6,906	76.7	-38.1
W N Central	8,583	9,083	8,584		-5.5
S Central	816	3,522	2,262	177.2	-35.8
West	52,703	73,466	76,227	44.6	3.8

<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

**Dry Whey, Human: Production by State  
and United States, July 1996-97**

State	Jul 1996	Jun 1997	Jul 1997	Change From	
				Jul 1996	Jun 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	6,190	9,491	9,119	47.3	-3.9
MN	11,915	10,026	9,826	-17.5	-2.0
NY	8,578	10,116	9,137	6.5	-9.7
UT	789	2,378	2,230	182.6	-6.2
WA	4,010	4,509	4,263	6.3	-5.5
WI	28,404	28,587	29,900	5.3	4.6
Oth Sts <sup>1</sup>	30,063	33,085	32,951	9.6	-4
US	89,949	98,192	97,426	8.3	-8
Atlantic	15,625	19,421	18,982	21.5	-2.3
N Central	49,466	49,880	51,261	3.6	2.8
West	20,967	26,009	25,913	23.6	-4

<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

**Lactose: Production by State and  
United States, July 1996-97**

State	Jul 1996	Jun 1997	Jul 1997	Change From	
				Jul 1996	Jun 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
MN	8,885	11,359	11,058	24.5	-2.6
WI	9,112	8,759	8,474	-7.0	-3.3
Oth Sts <sup>1</sup>	14,968	19,118	19,731	31.8	3.2
US	32,965	39,236	39,263	19.1	.1
E N Central	9,112	8,759	8,474	-7.0	-3.3
W N Central	14,355	16,919	16,766	16.8	-9
West	8,802	11,712	12,490	41.9	6.6

<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

**Whey Protein Concentrate, Human: Production by State  
and United States, July 1996-97**

State	Jul 1996	Jun 1997	Jul 1997	Change From	
				Jul 1996	Jun 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	3,599	4,364	4,361	21.2	-.1
MN	3,637	4,942	4,418	21.5	-10.6
WI	5,880	6,800	7,100	20.7	4.4
Oth Sts <sup>1</sup>	7,309	7,026	7,271	-.5	3.5
US	20,425	23,132	23,150	13.3	.1

<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

**Ice Cream, Hard: Production by State and United States, July 1996-97**

State	Jul 1996	Jun 1997	Jul 1997	Change From	
				Jul 1996	Jun 1997
	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>Percent</i>	<i>Percent</i>
AZ	852	499	474	-44.4	-5.0
AR	354	334	372	5.1	11.4
CA	11,206	11,717	10,994	-1.9	-6.2
FL	2,486	1,800	1,800	-27.6	
GA	1,161	809	948	-18.3	17.2
ID	815	740	603	-26.0	-18.5
IL	3,199	3,320	3,305	3.3	-.5
IN	4,361	5,882	5,557	27.4	-5.5
KS	370	308	358	-3.2	16.2
KY	575	576	539	-6.3	-6.4
ME	171	227	223	30.4	-1.8
MD	2,117	1,785	2,115	-.1	18.5
MA	6,011	5,212	6,234	3.7	19.6
MI	3,302	2,080	2,110	-36.1	1.4
MN	4,195	4,569	3,831	-8.7	-16.2
MO	1,487	1,350	1,520	2.2	12.6
NM	560	642	444	-20.7	-30.8
NY	2,763	3,000	3,300	19.4	10.0
NC	2,929	2,649	2,677	-8.6	1.1
ND	119	124	105	-11.8	-15.3
OH	4,283	3,500	4,400	2.7	25.7
OR	1,151	1,040	1,120	-2.7	7.7
PA	4,982	4,300	4,706	-5.5	9.4
SC	967	1,274	899	-7.0	-29.4
TN	1,169	1,314	1,273	8.9	-3.1
TX	4,728	4,726	5,106	8.0	8.0
UT	1,203	1,309	997	-17.1	-23.8
VT	893	1,064	1,051	17.7	-1.2
WA	2,426	1,949	2,079	-14.3	6.7
WI	895	925	885	-1.1	-4.3
Oth Sts <sup>1</sup>	15,201	15,516	14,910	-1.9	-3.9
US	86,931	84,540	84,935	-2.3	.5
N Atlantic	18,284	17,185	18,842	3.1	9.6
S Atlantic	11,075	9,646	9,610	-13.2	-.4
E N Central	16,040	15,707	16,257	1.4	3.5
W N Central	11,760	12,195	11,598	-1.4	-4.9
S Central	9,274	9,388	9,535	2.8	1.6
West	20,498	20,419	19,093	-6.9	-6.5

<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

**Canned Milk and Dry Milk Products: Manufacturers' shipments,  
Stocks, and Selling Prices, July, 1996-97**

Product	Jul 1996	Jun 1997 <sup>1</sup>	Jul 1997	Change From	
				Jul 1996	Jun 1997
<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	9,987	8,091	8,262	-17.3	2.1
Nonfat Dry Milk, Human	77,152	87,828	101,245	31.2	15.3
Dry Skim Milk, Animal	705	657	842	19.4	28.2
Dry Buttermilk, Human	2,265	2,094	2,832	25.0	35.2
<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>
Canned Evaporated and Condensed Whole Milk	42,258	42,769	40,567	-4.0	-5.1
Dry Whole Milk	7,291	5,131	5,828	-20.1	13.6
Nonfat Dry Milk, Human	76,801	173,276	158,714	106.7	-8.4
Dry Skim Milk, Animal	1,151	1,181	1,161	.9	-1.7
Dry Buttermilk, Total	1,494	4,375	3,502	134.4	-20.0
<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	135.65	111.74	113.36	-22.29	1.62
Nonfat Dry Milk, Human	125.04	106.42	106.15	-18.89	-.27
Dry Skim Milk, Animal	69.04	62.72	53.91	-15.13	-8.81
Dry Buttermilk, Human	123.85	107.49	106.84	-17.01	-.65

<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.

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**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 1,420 manufacturers that made one or more products in 1996. 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 October 2, 1997.

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*USDA to Hold Data Users Meeting  
Holiday Inn Mart Plaza  
Chicago, Illinois  
October 20, 1997*

The National Agricultural Statistics Service will be organizing an open forum for Data Users. The purpose will be to provide updates on pending changes in the USDA statistical and information programs including the status of the 1997 Census of Agriculture, and to seek comments and input from data users. Other agencies to be represented will include the Agricultural Marketing Service, the Economic Research Service, the Foreign Agricultural Service, and the World Agricultural Outlook Board.

For registration details, see the NASS home page <http://www.usda.gov/nass/> or contact Fred Vogel (NASS) (202) 720-3896 or [fvogel@nass.usda.gov](mailto:fvogel@nass.usda.gov)

