

# Dairy Products



USDA  
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## August 1997 Highlights

**American type cheese** production totaled 258 million pounds, 1.8 percent below August 1996 and 9.3 percent below July 1997.

**Total cheese output** (excluding cottage cheese) was 599 million pounds, 1.6 percent above August 1996 but 2.6 percent below July 1997.

**Cream cottage cheese** production was 32.5 million pounds, 1.2 percent above August 1996 but 0.2 percent below July 1997.

**Lowfat cottage cheese** production was 29.7 million pounds, 1.0 percent above August 1996 but 4.2 percent below July 1997.

**Butter** production was 70.3 million pounds in August, 4.0 percent below August 1996 and 14.1 percent below July 1997.

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

Ice cream, Regular (hard) --- 75.2 million gallons, down 2.9 percent.

Ice cream, Lowfat (total) --- 33.5 million gallons, down 8.6 percent.

Ice cream, Nonfat (hard) --- 3.12 million gallons, down 4.0 percent.

Sherbet (hard) --- 4.25 million gallons, down 14.6 percent.

Frozen Yogurt (total) --- 8.05 million gallons, down 28.2 percent.

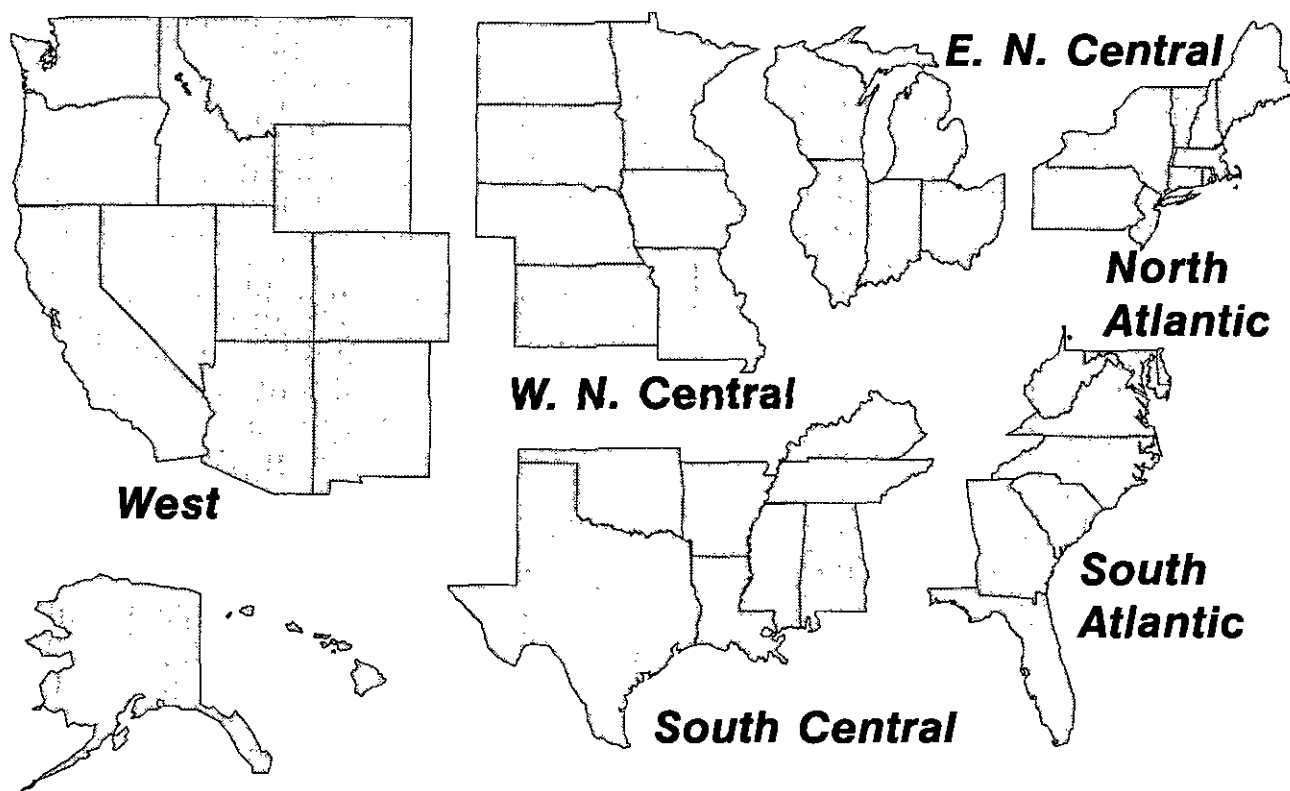
### **Dry milk products:** (comparisons with August 1996)

Nonfat dry milk for human food --- 91.0 million pounds, up 48.2 percent.

Dry whole milk --- 11.3 million pounds, up 5.7 percent.

Dry buttermilk --- 2.90 million pounds, up 12.1 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 For example, if North Atlantic can not be published, then it will be combined with South Atlantic to publish Atlantic.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, August, 1996-97**

Product	Aug 1996	Jul 1997 <sup>1</sup>	Aug 1997	Change From	
				Aug 1996	Jul 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
Butter	73,217	81,853	70,312	-4.0	-14.1
Cheese					
American Types <sup>2</sup>	262,260	283,901	257,538	-1.8	-9.3
Cheddar	197,738	228,512	206,355	4.4	-9.7
Swiss	18,563	18,032	17,365	-6.5	-3.7
Brick and Muenster	10,518	9,246	9,506	-9.6	2.8
Cream and Neufchatel	48,408	44,113	49,898	3.1	13.1
Blue	3,126	2,919	3,080	-1.5	5.5
Hispanic	5,533	5,787	6,110	10.4	5.6
Mozzarella	186,596	191,304	193,850	3.9	1.3
Other Italian Types	44,576	49,615	51,013	14.4	2.8
Total Italian Types	231,172	240,919	244,863	5.9	1.6
All Other Types <sup>3</sup>	9,903	10,352	10,768	8.7	4.0
Total	589,483	615,269	599,128	1.6	-2.6
Cottage Cheese, Curd <sup>4</sup>	40,014	39,462	39,002	-2.5	-1.2
Cottage Cheese, Cream <sup>5</sup>	32,058	32,520	32,454	1.2	-2
Cottage Cheese, Lowfat <sup>6</sup>	29,428	31,010	29,716	1.0	-4.2
Canned Evaporated and Condensed Whole Milk	35,286	38,813	37,595	6.5	-3.1
Dry Whole Milk	10,723	10,808	11,332	5.7	4.8
Nonfat Dry Milk, Human	61,427	111,986	91,019	48.2	-18.7
Dry Skim Milk, Animal	347	524	482	38.9	-8.0
Dry Buttermilk	2,585	3,009	2,898	12.1	-3.7
Yogurt, Plain & Flavored	129,352	128,143	132,289	2.3	3.2
	<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	77,490	84,807	75,215	-2.9	-11.3
Ice Cream, Lowfat, Hard	10,229	10,207	9,883	-3.4	-3.2
Ice Cream, Lowfat, Soft	26,437	27,028	23,636	-10.6	-12.5
Ice Cream, Lowfat, Total	36,666	37,235	33,519	-8.6	-10.0
Ice Cream, Nonfat, Hard	3,244	4,698	3,115	-4.0	-33.7
Sherbet, Hard	4,975	5,075	4,249	-14.6	-16.3
Water and Juice Ices	6,207	7,826	5,679	-8.5	-27.4
Frozen Yogurt, Total	11,205	9,162	8,050	-28.2	-12.1
Regular & Lowfat, Hard	4,899	3,801	3,150	-35.7	-17.1
Nonfat, Hard	2,248	2,707	2,295	2.1	-15.2
Other Frozen Dairy Products	1,751	1,415	1,206	-31.1	-14.8
Mix for Frozen Products					
Ice Cream Mix	43,863	47,171	41,468	-5.5	-12.1
Ice Cream, Lowfat, Mix	21,567	23,391	20,959	-2.8	-10.4
Ice Cream, Nonfat, Mix	2,061	2,409	1,752	-15.0	-27.3
Sherbet Mix	3,488	3,336	3,007	-13.8	-9.9
Yogurt Mix	7,092	5,799	5,095	-28.2	-12.1

<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, August, 1996-97**

Product	Aug 1996	Jul 1997 <sup>1</sup>	Aug 1997	Change From	
				Aug 1996	Jul 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	6,827	4,297	3,721	-45.5	-13.4
Sweet-Type, Animal	2,501	2,290	2,244	-10.3	-2.0
Dry Whey Products					
Dry Whey, Human	84,458	97,005	89,683	6.2	-7.5
Dry Whey, Animal	8,780	5,439	4,287	-51.2	-21.2
Reduced Lactose and Minerals					
Human Food	4,835	4,610	4,556	-5.8	-1.2
Animal Feed	2,028	2,411	2,400	18.3	-.5
Lactose, Human and Animal	34,632	39,178	38,642	11.6	-1.4
Whey					
Solids in Wet Blends, Animal	5,972	5,780	5,550	-7.1	-4.0
Protein Concentrate, Human	21,213	23,296	22,447	5.8	-3.6
Protein Concentrate, Animal	3,270	2,887	2,866	-12.4	-.7
<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	34,714	32,960	30,862	-11.1	-6.4
Dry Whey, Animal	3,990	3,682	2,581	-35.3	-29.9
Reduced Lactose and Minerals					
Human and Animal <sup>4</sup>	3,952	13,127	12,724	222.0	-3.1
Lactose, Human and Animal	17,811	26,257	24,445	37.2	-6.9
Whey Protein Concentrate, Human	6,048	7,817	8,280	36.9	5.9
Whey Protein Concentrate, Animal	609	989	1,095	79.8	10.7
<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	22.2	20.2	21.4	-.8	1.2
Dry Whey, Animal	19.8	19.9	20.6	.8	.7

<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	615,269	5.7	4,211,970	4,293,696	1.9
Aug	589,483	599,128	1.6	4,801,453	4,892,824	1.9
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	283,901	5.4	1,955,270	1,974,676	1.0
Aug	262,260	257,538	-1.8	2,217,530	2,232,214	.7
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	228,512	10.5	1,532,780	1,582,900	3.3
Aug	197,738	206,355	4.4	1,730,518	1,789,255	3.4
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	240,919	7.1	1,639,521	1,691,596	3.2
Aug	231,172	244,863	5.9	1,870,693	1,936,459	3.5
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	191,304	6.6	1,313,148	1,338,778	2.0
Aug	186,596	193,850	3.9	1,499,744	1,532,628	2.2
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	49,615	8.9	326,373	352,818	8.1
Aug	44,576	51,013	14.4	370,949	403,831	8.9
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	81,853	8.9	717,229	720,501	.5
Aug	73,217	70,312	-4.0	790,446	790,813	
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	111,986	42.0	700,371	790,679	12.9
Aug	61,427	91,019	48.2	761,798	881,698	15.7
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	102,444	7.4	681,899	675,673	-.9
Aug	93,238	93,970	.8	775,137	769,643	-.7
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	32,454	1.2	244,300	241,361	-1.2
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	29,716	1.0	224,906	231,317	2.9
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	84,807	-2.4	513,380	516,810	.7
Aug	77,490	75,215	-2.9	590,870	592,025	.2
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	37,235	-5.9	227,778	216,721	-4.9
Aug	36,666	33,519	-8.6	264,444	250,240	-5.4
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	4,698	22.7	22,469	22,140	-1.5
Aug	3,244	3,115	-4.0	25,713	25,255	-1.8
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	5,075	-11.0	31,583	30,726	-2.7
Aug	4,975	4,249	-14.6	36,558	34,975	-4.3
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	9,162	-25.6	75,067	58,656	-21.9
Aug	11,205	8,050	-28.2	86,272	66,706	-22.7
Sep	9,480			95,752		
Oct	8,502			104,254		
Nov	7,205			111,459		
Dec	6,672			118,131		

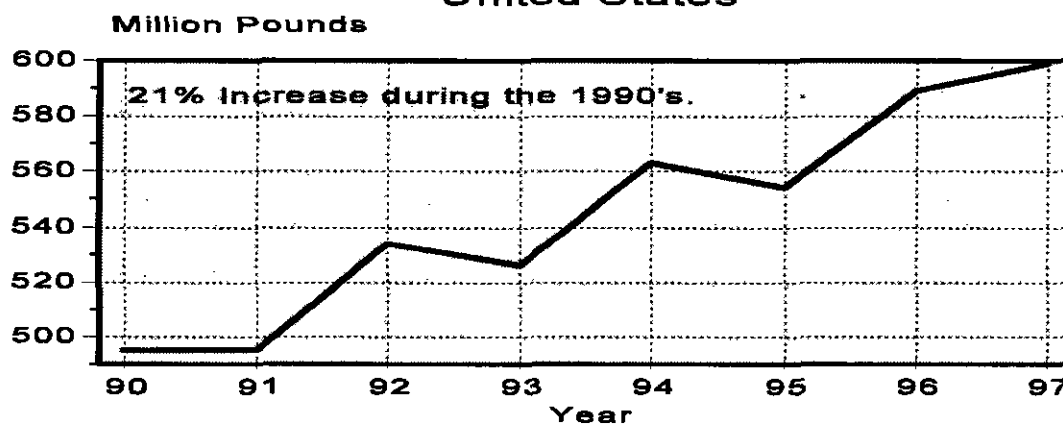
<sup>1</sup> Excludes all modified dry whey products.

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

State	Aug 1996	Jul 1997	Aug 1997	Change From	
				Aug 1996	Jul 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	88,453	104,189	103,117	16.6	-1.0
ID	40,478	40,090	39,706	-1.9	-1.0
IL	9,702	10,002	9,838	1.4	-1.6
IA	19,595	19,481	18,935	-3.4	-2.8
KS	1,905	2,005	1,732	-9.1	-13.6
MA	69	78	84	21.7	7.7
MN	51,847	53,574	51,534	-.6	-3.8
MO	13,217	12,747	13,891	5.1	9.0
NE	8,366	7,877	7,733	-7.6	-1.8
NY	47,567	47,980	48,111	1.1	.3
ND	2,000	2,180	1,649	-17.6	-24.4
OH	8,723	9,599	8,873	1.7	-7.6
OR	4,318	4,351	4,403	2.0	1.2
PA	27,936	30,060	29,332	5.0	-2.4
SD	11,609	11,823	11,899	2.5	.6
TN		1,403			
UT	5,111	6,009	5,602	9.6	-6.8
VT	10,263	8,171	6,735	-34.4	-17.6
WA	9,571	9,659	7,798	-18.5	-19.3
WI	173,587	173,350	172,798	-.5	-.3
Oth Sts <sup>1</sup>	55,166	60,641	55,358	.3	-8.7
US	589,483	615,269	599,128	1.6	-2.6
N Atlantic	91,554	91,339	89,873	-1.8	-1.6
S Atlantic	1,905	2,193	2,017	5.9	-8.0
E N Central	200,290	203,364	200,468	.1	-1.4
W N Central	108,539	109,687	107,373	-1.1	-2.1
S Central	8,893	7,767	4,313	-51.5	-44.5
West	178,302	200,919	195,084	9.4	-2.9

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

**August Total Cheese Production United States**



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

State	Aug 1996	Jul 1997	Aug 1997	Change From	
				Aug 1996	Jul 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	38,056	42,914	39,632	4.1	-7.6
ID	36,116	37,229	36,534	1.2	-1.9
LA	8,116	8,212	8,135	.2	-.9
KS	1,905	2,005	1,732	-9.1	-13.6
MN	43,119	47,996	43,597	1.1	-9.2
NY	6,945	8,311	7,029	1.2	-15.4
ND	2,000	2,180	1,649	-17.6	-24.4
OH	2,484	3,202	2,855	14.9	-10.8
SD	3,989	4,582	4,260	6.8	-7.0
TN		1,403			
UT	1,629	3,155	3,004	84.4	-4.8
WA	4,661	5,116	3,168	-32.0	-38.1
WI	77,994	79,700	77,500	-.6	-2.8
Oth Sts <sup>1</sup>	35,246	37,896	28,443	-19.3	-24.9
US	262,260	283,901	257,538	-1.8	-9.3
Atlantic	11,377	12,612	10,071	-11.5	-20.1
E N Central	81,908	84,348	81,718	-.2	-3.1
W N Central	62,915	69,077	61,836	-1.7	-10.5
S Central	8,645	7,609	3,961	-54.2	-47.9
West	97,415	110,255	99,952	2.6	-9.3

<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, August 1996-97**

State	Aug 1996	Jul 1997	Aug 1997	Change From	
				Aug 1996	Jul 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	39,696	46,631	48,400	21.9	3.8
ID	748	465	308	-58.8	-33.8
NY	16,535	16,555	16,760	1.4	1.2
PA	18,418	20,824	19,000	3.2	-8.8
VT	4,222	2,480	2,350	-44.3	-5.2
WI	53,447	52,000	52,600	-1.6	1.2
Oth Sts <sup>1</sup>	53,530	52,349	54,432	1.7	4.0
US	186,596	191,304	193,850	3.9	1.3
Atlantic	42,081	42,476	40,618	-3.5	-4.4
E N Central	61,856	62,675	61,655	-.3	-1.6
W N Central	21,275	16,907	18,703	-12.1	10.6
West	61,384	69,246	72,874	18.7	5.2

<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, August 1996-97**

State	Aug 1996	Jul 1997	Aug 1997	Change From	
				Aug 1996	Jul 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	19,283	23,588	21,979	14.0	-6.8
MI	1,313	1,260	582	-55.7	-53.8
MN	4,270	5,297	3,714	-13.0	-29.9
NY	1,748	1,714	2,062	18.0	20.3
ND	254	289	299	17.7	3.5
OR	1,732	1,660	1,600	-7.6	-3.6
PA	4,679	4,263	3,238	-30.8	-24.0
WA	8,120	8,540	7,450	-8.3	-12.8
WI	18,286	21,000	17,700	-3.2	-15.7
Oth Sts <sup>1</sup>	13,532	14,242	11,688	-13.6	-17.9
US	73,217	81,853	70,312	-4.0	-14.1
N Atlantic	7,302	7,219	5,923	-18.9	-18.0
S Atlantic	1,054	1,668	507	-51.9	-69.6
E N Central	23,233	25,656	21,007	-9.6	-18.1
W N Central	8,457	9,708	8,126	-3.9	-16.3
S Central	3,917	3,723	3,627	-7.4	-2.6
West	29,254	33,879	31,122	6.4	-8.1

<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, August 1996-97**

State	Aug 1996	Jul 1997	Aug 1997	Change From	
				Aug 1996	Jul 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	29,436	50,438	46,160	56.8	-8.5
IA	4,645	5,717	4,476	-3.6	-21.7
MI	316	2,932	1,473	366.1	-49.8
MN	520	1,217	1,081	107.9	-11.2
NM		2,229	121		-94.6
NY	1,024	1,968	1,564	52.7	-20.5
ND	150	153	28	-81.3	-81.7
WA	15,879	18,133	17,147	8.0	-5.4
WI	1,475	3,135	2,700	83.1	-13.9
Oth Sts <sup>1</sup>	8,132	26,064	16,269	100.1	-37.6
US	61,427	111,986	91,019	48.2	-18.7
Atlantic	5,854	19,420	15,267	160.8	-21.4
E N Central	1,879	6,906	4,186	122.8	-39.4
W N Central	7,285	8,556	7,064	-3.0	-17.4
S Central		2,262	27		-98.8
West	46,409	74,842	64,475	38.9	-13.9

<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, August 1996-97**

State	Aug 1996	Jul 1997	Aug 1997	Change From	
				Aug 1996	Jul 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	5,893	9,119	8,978	52.4	-1.5
MN	8,014	9,405	7,918	-1.2	-15.8
NY	8,468	9,137	8,458	-.1	-7.4
UT	2,206	2,230	2,253	2.1	1.0
WA	4,491	4,263	3,403	-24.2	-20.2
WI	27,529	29,900	27,700	.6	-7.4
Oth Sts <sup>1</sup>	27,857	32,951	30,973	11.2	-6.0
US	84,458	97,005	89,683	6.2	-7.5
Atlantic	15,789	18,982	17,564	11.2	-7.5
N Central	43,862	50,840	45,747	4.3	-10.0
West	22,502	25,913	25,952	15.3	.2

<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, August 1996-97**

State	Aug 1996	Jul 1997	Aug 1997	Change From	
				Aug 1996	Jul 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
MN	10,332	10,973	9,665	-6.5	-11.9
WI	8,689	8,474	8,749	.7	3.2
Oth Sts <sup>1</sup>	15,611	19,731	20,228	29.6	2.5
US	34,632	39,178	38,642	11.6	-1.4
E N Central	8,689	8,474	8,749	.7	3.2
W N Central	15,760	16,681	14,917	-5.3	-10.6
West	9,487	12,490	12,983	36.9	3.9

<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, August 1996-97**

State	Aug 1996	Jul 1997	Aug 1997	Change From	
				Aug 1996	Jul 1997
	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Percent</i>	<i>Percent</i>
CA	3,541	4,507	4,316	21.9	-4.2
MN	3,566	4,418	4,215	18.2	-4.6
WI	6,631	7,100	6,990	5.4	-1.5
Oth Sts <sup>1</sup>	7,475	7,271	6,926	-7.3	-4.7
US	21,213	23,296	22,447	5.8	-3.6

<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, August 1996-97**

State	Aug 1996	Jul 1997	Aug 1997	Change From	
				Aug 1996	Jul 1997
	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>1,000 Gallons</i>	<i>Percent</i>	<i>Percent</i>
AZ	585	474	522	-10.8	10.1
AR	323	372	289	-10.5	-22.3
CA	9,914	10,957	10,067	1.5	-8.1
FL	2,198	1,800	1,850	-15.8	2.8
GA	761	948	854	12.2	-9.9
ID	573	603	701	22.3	16.3
IL	3,111	3,305	2,940	-5.5	-11.0
IN	3,856	5,557	4,837	25.4	-13.0
KS	318	358	282	-11.3	-21.2
KY	522	539	460	-11.9	-14.7
ME	171	223	184	7.6	-17.5
MD	1,561	2,115	1,483	-5.0	-29.9
MA	5,717	6,234	5,466	-4.4	-12.3
MI	2,934	2,110	2,110	-28.1	
MN	3,293	3,831	3,163	-3.9	-17.4
MO	1,473	1,520	1,320	-10.4	-13.2
NM	521	444	444	-14.8	
NY	2,182	3,300	2,500	14.6	-24.2
NC	2,552	2,677	1,991	-22.0	-25.6
ND	82	105	123	50.0	17.1
OH	4,036	4,400	3,565	-11.7	-19.0
OR	1,032	1,120	1,050	1.7	-6.3
PA	4,674	4,706	4,118	-11.9	-12.5
SC	880	899	1,026	16.6	14.1
TN	1,057	1,182	1,295	22.5	9.6
TX	4,225	5,106	4,561	8.0	-10.7
UT	1,054	997	957	-9.2	-4.0
VT	1,007	1,051	1,023	1.6	-2.7
WA	2,302	2,079	1,716	-25.5	-17.5
WI	726	885	780	7.4	-11.9
Oth Sts <sup>1</sup>	13,850	14,910	13,538	-2.3	-9.2
US	77,490	84,807	75,215	-2.9	-11.3
N Atlantic	17,048	18,842	16,502	-3.2	-12.4
S Atlantic	9,268	9,610	8,327	-10.2	-13.4
E N Central	14,663	16,257	14,232	-2.9	-12.5
W N Central	10,261	11,598	10,574	3.1	-8.8
S Central	8,277	9,444	8,539	3.2	-9.6
West	17,973	19,056	17,041	-5.2	-10.6

<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, August, 1996-97**

Product	Aug 1996	Jul 1997 <sup>1</sup>	Aug 1997	Change From	
				Aug 1996	Jul 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	7,896	8,262	9,579	21.3	15.9
Nonfat Dry Milk, Human	69,652	102,710	78,238	12.3	-23.8
Dry Skim Milk, Animal	487	674	588	20.7	-12.8
Dry Buttermilk, Human	1,950	2,832	2,101	7.7	-25.8
<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	41,398	36,901	40,188	-2.9	8.9
Dry Whole Milk	6,217	5,828	4,539	-27.0	-22.1
Nonfat Dry Milk, Human	66,089	160,570	154,550	133.9	-3.7
Dry Skim Milk, Animal	989	1,255	1,279	29.3	1.9
Dry Buttermilk, Total	1,295	3,502	3,205	147.5	-8.5
<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 Whole Milk	135.94	113.36	112.33	-23.61	-1.03
Nonfat Dry Milk, Human	124.49	106.15	104.88	-19.61	-1.27
Dry Skim Milk, Animal	65.34	53.91	58.88	-6.46	4.97
Dry Buttermilk, Human	139.33	106.84	110.05	-29.28	3.21

<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 November 4, 1997.

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