



# Dairy Products

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## September 2010 Highlights

**Total cheese** output (excluding cottage cheese) was 879 million pounds, 4.3 percent above September 2009 and 0.4 percent above August 2010.

**Italian type cheese** production totaled 365 million pounds, 5.5 percent above September 2009 but 0.4 percent below August 2010.

**American type cheese** production totaled 355 million pounds, 3.4 percent above September 2009 and 0.3 percent above August 2010.

**Butter** production was 110 million pounds, 16.7 percent above September 2009 and 8.7 percent above August 2010.

### **Dry milk powders** (comparisons with September 2009)

Nonfat dry milk, human - 109 million pounds, up 24.0 percent.

Skim milk powders - 17.1 million pounds, up 35.5 percent.

### **Whey products** (comparisons with September 2009)

Dry whey, total - 78.2 million pounds, down 1.0 percent.

Lactose, human and animal - 76.1 million pounds, up 26.8 percent.

Whey protein concentrate, total - 35.8 million pounds, up 2.8 percent.

### **Frozen products** (comparisons with September 2009)

Ice cream, regular (hard) - 74.0 million gallons, down 0.4 percent.

Ice cream, lowfat (total) - 33.3 million gallons, up 6.2 percent.

Sherbet (hard) - 3.51 million gallons, down 17.7 percent.

Frozen yogurt (total) - 5.76 million gallons, down 13.1 percent.

## United States Geographic Regions Dairy Products

Beginning in 2010, USDA will no longer issue data for North Atlantic, South Atlantic, East North Central, West North Central, or South Central regions. North Atlantic and South Atlantic were combined to form the data for the Atlantic region. East North Central, West North Central, and South Central were combined to form the data for the Central region.



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## Dairy Products Production by Product – United States: September 2009 and 2010

Product	September 2009	August 2010	September 2010	Change from	
				September 2009	August 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	94,690	101,660	110,467	16.7	8.7
<b>Cheese</b>					
American types <sup>1</sup> .....	342,921	353,703	354,642	3.4	0.3
Cheddar .....	259,004	264,096	259,351	0.1	-1.8
Other American types .....	83,917	89,607	95,291	13.6	6.3
Brick and Muenster .....	10,402	10,359	10,140	-2.5	-2.1
Cream and Neufchatel .....	76,364	68,968	73,981	-3.1	7.3
Hispanic .....	17,931	18,115	18,755	4.6	3.5
Italian types .....	346,087	366,651	365,283	5.5	-0.4
Mozzarella .....	270,262	294,829	290,929	7.6	-1.3
Parmesan .....	18,379	15,866	14,415	-21.6	-9.1
Provolone .....	28,229	28,311	29,559	4.7	4.4
Ricotta .....	21,592	21,086	24,277	12.4	15.1
Romano .....	3,147	2,112	1,772	-43.7	-16.1
Other Italian types .....	4,478	4,447	4,331	-3.3	-2.6
Swiss .....	25,709	27,575	28,139	9.5	2.0
All other types .....	23,076	29,823	27,617	19.7	-7.4
<b>Total cheese</b> .....	<b>842,490</b>	<b>875,194</b>	<b>878,557</b>	<b>4.3</b>	<b>0.4</b>
Cottage cheese, curd <sup>2</sup> .....	39,056	36,801	36,722	-6.0	-0.2
Cottage cheese, cream <sup>3</sup> .....	30,995	28,868	28,104	-9.3	-2.6
Cottage cheese, lowfat <sup>4</sup> .....	35,038	32,415	33,700	-3.8	4.0
Sour cream .....	92,435	101,301	94,798	2.6	-6.4
Yogurt, plain and flavored .....	369,995	364,592	388,826	5.1	6.6
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	74,304	75,791	74,040	-0.4	-2.3
Ice cream, lowfat, hard .....	12,050	14,811	13,164	9.2	-11.1
Ice cream, lowfat, soft .....	19,345	25,138	20,173	4.3	-19.8
Ice cream, lowfat, total .....	31,395	39,949	33,337	6.2	-16.6
Ice cream, nonfat, hard .....	1,167	1,118	1,282	9.9	14.7
Sherbet, hard .....	4,266	3,822	3,509	-17.7	-8.2
Frozen yogurt, total .....	6,627	6,448	5,757	-13.1	-10.7
Regular and lowfat, hard .....	1,432	1,921	1,357	-5.2	-29.4
Nonfat, hard .....	532	622	683	28.4	9.8
Other frozen dairy products .....	1,404	1,100	1,167	-16.9	6.1
Water and juice ices .....	4,217	5,628	4,370	3.6	-22.4
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	42,685	44,765	41,393	-3.0	-7.5
Ice cream, lowfat, mix .....	17,914	22,848	19,008	6.1	-16.8
Ice cream, nonfat, mix .....	695	710	711	2.3	0.1
Sherbet mix .....	2,681	2,513	2,332	-13.0	-7.2
Yogurt mix .....	3,493	3,908	3,489	-0.1	-10.7

<sup>1</sup> Includes Cheddar, Colby, Monterey, and Jack.

<sup>2</sup> Mostly used for processing into cream or lowfat cottage cheese.

<sup>3</sup> Fat content 4 percent or more.

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

## Whey and Modified Whey Products Production, Stocks, and Prices – United States: September 2009 and 2010

Product	September 2009	August 2010	September 2010	Change from	
				September 2009	August 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	7,259	6,324	7,445	2.6	17.7
Dry whey products					
Dry whey, human .....	76,035	76,581	75,701	-0.4	-1.1
Dry whey, animal .....	2,971	5,275	2,502	-15.8	-52.6
Dry whey, total .....	79,006	81,856	78,203	-1.0	-4.5
Reduced lactose and minerals					
Human .....	2,488	2,237	3,044	22.3	36.1
Animal .....	4,094	4,352	4,975	21.5	14.3
Whey protein concentrate					
Human <sup>2</sup> .....	30,996	31,970	32,319	4.3	1.1
Animal <sup>2</sup> .....	3,814	3,285	3,472	-9.0	5.7
Total <sup>2</sup> .....	34,810	35,255	35,791	2.8	1.5
25.0-49.9 percent <sup>3</sup> .....	21,238	20,236	19,913	-6.2	-1.6
50.0-89.9 percent <sup>3</sup> .....	13,572	15,019	15,878	17.0	5.7
Whey protein isolates <sup>4</sup> .....	4,725	5,066	5,426	14.8	7.1
Lactose, human and animal .....	60,066	79,051	76,136	26.8	-3.7
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	49,858	38,688	38,038	-23.7	-1.7
Dry whey, animal .....	2,042	7,119	4,675	128.9	-34.3
Dry whey, total .....	51,900	45,807	42,713	-17.7	-6.8
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	13,518	11,047	10,577	-21.8	-4.3
Whey protein concentrate					
Human <sup>2</sup> .....	36,850	32,722	30,045	-18.5	-8.2
Animal <sup>2</sup> .....	2,288	1,585	1,704	-25.5	7.5
Total <sup>2</sup> .....	39,138	34,307	31,749	-18.9	-7.5
25.0-49.9 percent <sup>3</sup> .....	24,731	18,949	16,207	-34.5	-14.5
50.0-89.9 percent <sup>3</sup> .....	14,407	15,358	15,542	7.9	1.2
Whey protein isolates <sup>4</sup> .....	11,194	7,951	7,892	-29.5	-0.7
Lactose, human and animal .....	53,429	83,420	85,240	59.5	2.2
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	27.4	31.3	27.4		-4.0

<sup>1</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. Does not include sweet-type, animal whey.

<sup>2</sup> Whey protein concentrate, 25.0 to 89.9 percent.

<sup>3</sup> Whey protein concentrate, human and animal.

<sup>4</sup> Whey protein isolate, 90.0 percent or greater.

<sup>5</sup> Stocks held by manufacturers at all points and in transit.

<sup>6</sup> Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

<sup>7</sup> Prices for bulk goods, f.o.b. plant. Average monthly prices reported by firms.

**Canned, Condensed, and Dry Milk Products Production, Stocks, and Shipments – United States:  
September 2009 and 2010**

Product	September 2009	August 2010	September 2010	Change from	
				September 2009	August 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	122,935	143,584	121,858	-0.9	-15.1
Canned milk					
Evaporated and condensed whole .....	46,317	44,555	40,702	-12.1	-8.6
Dry milk products					
Dry buttermilk, total .....	5,313	5,201	5,527	4.0	6.3
Dry skim milk, animal .....	500	594	729	45.8	22.7
Dry whole milk .....	4,589	4,242	5,286	15.2	24.6
Milk protein concentrate, total <sup>1</sup> .....	4,411	4,802	3,183	-27.8	-33.7
Nonfat dry milk, human .....	87,808	119,562	108,925	24.0	-8.9
Skim milk powder, total <sup>2</sup> .....	12,585	15,075	17,051	35.5	13.1
<b>Manufacturers' stocks end-of-month</b> <sup>3</sup>					
Canned milk					
Evaporated and condensed whole .....	104,009	131,047	112,264	7.9	-14.3
Dry milk products					
Dry buttermilk, total .....	4,049	7,957	8,809	117.6	10.7
Dry skim milk, animal .....	2,808	1,051	1,030	-63.3	-2.0
Dry whole milk .....	4,164	4,929	4,568	9.7	-7.3
Nonfat dry milk, human .....	122,483	164,381	139,294	13.7	-15.3
<b>Manufacturers' shipments</b> <sup>4</sup>					
Dry milk products					
Nonfat dry milk, human .....	105,308	149,312	129,299	22.8	-13.4

<sup>1</sup> Dry milk protein concentrate, 40-89.9 percent.

<sup>2</sup> Includes protein standardized and blends.

<sup>3</sup> Stocks held by manufacturers at all points and in transit.

<sup>4</sup> For dry products, shipments of bulk goods.

## Dairy Products Production by Product and Month – United States: 2009 and 2010

Product and month	By month			Cumulative		
	2009	2010	Change from 2009	2009	2010	Change from 2009
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Total cheese</b>						
January .....	826,893	841,646	1.8	826,893	841,646	1.8
February .....	767,975	775,273	1.0	1,594,868	1,616,919	1.4
March .....	870,517	891,633	2.4	2,465,385	2,508,552	1.8
April .....	847,593	862,016	1.7	3,312,978	3,370,568	1.7
May .....	856,100	879,255	2.7	4,169,078	4,249,823	1.9
June .....	838,100	880,850	5.1	5,007,178	5,130,673	2.5
July .....	842,752	881,641	4.6	5,849,930	6,012,314	2.8
August .....	850,684	875,194	2.9	6,700,614	6,887,508	2.8
September .....	842,490	878,557	4.3	7,543,104	7,766,065	3.0
October .....	862,785			8,405,889		
November .....	839,532			9,245,421		
December .....	863,872			10,109,293		
<b>Total American cheese types <sup>1</sup></b>						
January .....	357,200	347,563	-2.7	357,200	347,563	-2.7
February .....	323,370	320,426	-0.9	680,570	667,989	-1.8
March .....	364,359	362,257	-0.6	1,044,929	1,030,246	-1.4
April .....	354,781	358,530	1.1	1,399,710	1,388,776	-0.8
May .....	368,021	370,281	0.6	1,767,731	1,759,057	-0.5
June .....	356,869	369,978	3.7	2,124,600	2,129,035	0.2
July .....	354,695	368,415	3.9	2,479,295	2,497,450	0.7
August .....	347,088	353,703	1.9	2,826,383	2,851,153	0.9
September .....	342,921	354,642	3.4	3,169,304	3,205,795	1.2
October .....	349,403			3,518,707		
November .....	331,593			3,850,300		
December .....	352,199			4,202,499		
<b>Cheddar cheese</b>						
January .....	278,181	266,552	-4.2	278,181	266,552	-4.2
February .....	244,440	244,389		522,621	510,941	-2.2
March .....	279,296	281,966	1.0	801,917	792,907	-1.1
April .....	272,691	270,957	-0.6	1,074,608	1,063,864	-1.0
May .....	287,422	287,213	-0.1	1,362,030	1,351,077	-0.8
June .....	276,646	286,084	3.4	1,638,676	1,637,161	-0.1
July .....	269,533	276,134	2.4	1,908,209	1,913,295	0.3
August .....	264,743	264,096	-0.2	2,172,952	2,177,391	0.2
September .....	259,004	259,351	0.1	2,431,956	2,436,742	0.2
October .....	263,443			2,695,399		
November .....	248,976			2,944,375		
December .....	263,062			3,207,437		

See footnote(s) at end of table.

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**Dairy Products Production by Product and Month – United States: 2009 and 2010 (continued)**

Product and month	By month			Cumulative		
	2009	2010	Change from 2009	2009	2010	Change from 2009
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Total Italian cheese types</b>						
January .....	345,619	362,733	5.0	345,619	362,733	5.0
February .....	316,749	330,382	4.3	662,368	693,115	4.6
March .....	359,386	380,577	5.9	1,021,754	1,073,692	5.1
April .....	346,047	366,567	5.9	1,367,801	1,440,259	5.3
May .....	345,905	369,452	6.8	1,713,706	1,809,711	5.6
June .....	341,918	362,990	6.2	2,055,624	2,172,701	5.7
July .....	346,130	364,325	5.3	2,401,754	2,537,026	5.6
August .....	345,799	366,651	6.0	2,747,553	2,903,677	5.7
September .....	346,087	365,283	5.5	3,093,640	3,268,960	5.7
October .....	357,854			3,451,494		
November .....	358,986			3,810,480		
December .....	369,800			4,180,280		
<b>Mozzarella</b>						
January .....	267,299	285,020	6.6	267,299	285,020	6.6
February .....	246,429	259,090	5.1	513,728	544,110	5.9
March .....	280,012	300,297	7.2	793,740	844,407	6.4
April .....	270,604	288,293	6.5	1,064,344	1,132,700	6.4
May .....	271,395	293,788	8.3	1,335,739	1,426,488	6.8
June .....	268,901	290,585	8.1	1,604,640	1,717,073	7.0
July .....	273,782	291,658	6.5	1,878,422	2,008,731	6.9
August .....	272,632	294,829	8.1	2,151,054	2,303,560	7.1
September .....	270,262	290,929	7.6	2,421,316	2,594,489	7.2
October .....	278,106			2,699,422		
November .....	279,105			2,978,527		
December .....	288,779			3,267,306		
<b>Other Italian cheese types</b>						
January .....	4,303	3,278	-23.8	4,303	3,278	-23.8
February .....	4,187	3,138	-25.1	8,490	6,416	-24.4
March .....	4,480	4,131	-7.8	12,970	10,547	-18.7
April .....	3,927	3,936	0.2	16,897	14,483	-14.3
May .....	3,874	4,536	17.1	20,771	19,019	-8.4
June .....	4,008	4,262	6.3	24,779	23,281	-6.0
July .....	3,754	4,344	15.7	28,533	27,625	-3.2
August .....	3,841	4,447	15.8	32,374	32,072	-0.9
September .....	4,478	4,331	-3.3	36,852	36,403	-1.2
October .....	4,007			40,859		
November .....	4,021			44,880		
December .....	4,069			48,949		

See footnote(s) at end of table.

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**Dairy Products Production by Product and Month – United States: 2009 and 2010 (continued)**

Product and month	By month			Cumulative		
	2009	2010	Change from 2009	2009	2010	Change from 2009
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Butter</b>						
January .....	176,988	162,067	-8.4	176,988	162,067	-8.4
February .....	147,462	141,052	-4.3	324,450	303,119	-6.6
March .....	147,341	138,837	-5.8	471,791	441,956	-6.3
April .....	142,216	133,152	-6.4	614,007	575,108	-6.3
May .....	139,178	130,489	-6.2	753,185	705,597	-6.3
June .....	125,301	117,267	-6.4	878,486	822,864	-6.3
July .....	114,388	111,001	-3.0	992,874	933,865	-5.9
August .....	101,029	101,660	0.6	1,093,903	1,035,525	-5.3
September .....	94,690	110,467	16.7	1,188,593	1,145,992	-3.6
October .....	113,084			1,301,677		
November .....	120,967			1,422,644		
December .....	150,837			1,573,481		
<b>Nonfat dry milk, human</b>						
January .....	158,286	128,618	-18.7	158,286	128,618	-18.7
February .....	125,902	117,768	-6.5	284,188	246,386	-13.3
March .....	137,301	137,179	-0.1	421,489	383,565	-9.0
April .....	141,397	152,373	7.8	562,886	535,938	-4.8
May .....	150,452	154,327	2.6	713,338	690,265	-3.2
June .....	146,065	136,187	-6.8	859,403	826,452	-3.8
July .....	133,175	131,819	-1.0	992,578	958,271	-3.5
August .....	107,049	119,562	11.7	1,099,627	1,077,833	-2.0
September .....	87,808	108,925	24.0	1,187,435	1,186,758	-0.1
October .....	92,800			1,280,235		
November .....	102,156			1,382,391		
December .....	126,720			1,509,111		
<b>Skim milk powders <sup>2</sup></b>						
January .....	17,663	20,581	16.5	17,663	20,581	16.5
February .....	22,693	22,029	-2.9	40,356	42,610	5.6
March .....	24,432	27,796	13.8	64,788	70,406	8.7
April .....	24,645	14,463	-41.3	89,433	84,869	-5.1
May .....	26,697	17,146	-35.8	116,130	102,015	-12.2
June .....	16,796	32,708	94.7	132,926	134,723	1.4
July .....	14,023	22,626	61.3	146,949	157,349	7.1
August .....	10,677	15,075	41.2	157,626	172,424	9.4
September .....	12,585	17,051	35.5	170,211	189,475	11.3
October .....	10,174			180,385		
November .....	18,924			199,309		
December .....	22,601			221,910		

See footnote(s) at end of table.

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**Dairy Products Production by Product and Month – United States: 2009 and 2010 (continued)**

Product and month	By month			Cumulative		
	2009	2010	Change from 2009	2009	2010	Change from 2009
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Dry whey, total <sup>3</sup></b>						
January .....	79,395	85,971	8.3	79,395	85,971	8.3
February .....	74,668	78,244	4.8	154,063	164,215	6.6
March .....	82,785	92,504	11.7	236,848	256,719	8.4
April .....	83,218	90,726	9.0	320,066	347,445	8.6
May .....	87,125	89,577	2.8	407,191	437,022	7.3
June .....	92,639	86,053	-7.1	499,830	523,075	4.7
July .....	93,640	87,537	-6.5	593,470	610,612	2.9
August .....	82,555	81,856	-0.8	676,025	692,468	2.4
September .....	79,006	78,203	-1.0	755,031	770,671	2.1
October .....	81,709			836,740		
November .....	79,361			916,101		
December .....	85,059			1,001,160		
<b>Lactose, human and animal</b>						
January .....	58,839	66,864	13.6	58,839	66,864	13.6
February .....	51,653	63,620	23.2	110,492	130,484	18.1
March .....	59,717	73,870	23.7	170,209	204,354	20.1
April .....	58,153	71,582	23.1	228,362	275,936	20.8
May .....	59,639	74,937	25.7	288,001	350,873	21.8
June .....	60,429	76,068	25.9	348,430	426,941	22.5
July .....	61,168	78,557	28.4	409,598	505,498	23.4
August .....	62,065	79,051	27.4	471,663	584,549	23.9
September .....	60,066	76,136	26.8	531,729	660,685	24.3
October .....	63,926			595,655		
November .....	61,927			657,582		
December .....	64,977			722,559		
<b>Whey protein concentrate, total</b>						
January .....	35,177	34,686	-1.4	35,177	34,686	-1.4
February .....	32,340	31,391	-2.9	67,517	66,077	-2.1
March .....	35,259	36,422	3.3	102,776	102,499	-0.3
April .....	32,971	35,681	8.2	135,747	138,180	1.8
May .....	34,705	35,899	3.4	170,452	174,079	2.1
June .....	34,572	34,231	-1.0	205,024	208,310	1.6
July .....	35,221	36,026	2.3	240,245	244,336	1.7
August .....	35,284	35,255	-0.1	275,529	279,591	1.5
September .....	34,810	35,791	2.8	310,339	315,382	1.6
October .....	35,830			346,169		
November .....	34,061			380,230		
December .....	34,785			415,015		

See footnote(s) at end of table.

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**Dairy Products Production by Product and Month – United States: 2009 and 2010 (continued)**

Product and month	By month			Cumulative		
	2009	2010	Change from 2009	2009	2010	Change from 2009
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Cottage cheese, cream</b>						
January .....	25,734	24,963	-3.0	25,734	24,963	-3.0
February .....	25,890	25,776	-0.4	51,624	50,739	-1.7
March .....	31,314	29,099	-7.1	82,938	79,838	-3.7
April .....	30,517	26,462	-13.3	113,455	106,300	-6.3
May .....	30,210	26,226	-13.2	143,665	132,526	-7.8
June .....	29,707	27,061	-8.9	173,372	159,587	-8.0
July .....	30,823	27,687	-10.2	204,195	187,274	-8.3
August .....	30,375	28,868	-5.0	234,570	216,142	-7.9
September .....	30,995	28,104	-9.3	265,565	244,246	-8.0
October .....	26,685			292,250		
November .....	24,586			316,836		
December .....	25,064			341,900		
<b>Cottage cheese, lowfat</b>						
January .....	31,295	29,093	-7.0	31,295	29,093	-7.0
February .....	30,781	30,057	-2.4	62,076	59,150	-4.7
March .....	34,759	35,268	1.5	96,835	94,418	-2.5
April .....	34,380	32,043	-6.8	131,215	126,461	-3.6
May .....	32,644	29,863	-8.5	163,859	156,324	-4.6
June .....	32,986	32,366	-1.9	196,845	188,690	-4.1
July .....	34,701	32,571	-6.1	231,546	221,261	-4.4
August .....	32,107	32,415	1.0	263,653	253,676	-3.8
September .....	35,038	33,700	-3.8	298,691	287,376	-3.8
October .....	31,246			329,937		
November .....	28,733			358,670		
December .....	28,987			387,657		
<b>Sour cream</b>						
January .....	87,869	89,580	1.9	87,869	89,580	1.9
February .....	81,854	85,163	4.0	169,723	174,743	3.0
March .....	99,459	105,351	5.9	269,182	280,094	4.1
April .....	93,860	90,309	-3.8	363,042	370,403	2.0
May .....	93,504	93,408	-0.1	456,546	463,811	1.6
June .....	93,644	98,411	5.1	550,190	562,222	2.2
July .....	92,442	90,130	-2.5	642,632	652,352	1.5
August .....	93,770	101,301	8.0	736,402	753,653	2.3
September .....	92,435	94,798	2.6	828,837	848,451	2.4
October .....	103,645			932,482		
November .....	108,446			1,040,928		
December .....	107,081			1,148,009		

See footnote(s) at end of table.

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**Dairy Products Production by Product and Month – United States: 2009 and 2010 (continued)**

Product and month	By month			Cumulative		
	2009	2010	Change from 2009	2009	2010	Change from 2009
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
<b>Ice cream, regular hard</b>						
January .....	58,615	55,429	-5.4	58,615	55,429	-5.4
February .....	64,870	63,171	-2.6	123,485	118,600	-4.0
March .....	75,674	79,940	5.6	199,159	198,540	-0.3
April .....	79,022	78,499	-0.7	278,181	277,039	-0.4
May .....	80,604	81,929	1.6	358,785	358,968	0.1
June .....	89,319	84,255	-5.7	448,104	443,223	-1.1
July .....	84,319	78,706	-6.7	532,423	521,929	-2.0
August .....	79,273	75,791	-4.4	611,696	597,720	-2.3
September .....	74,304	74,040	-0.4	686,000	671,760	-2.1
October .....	68,602			754,602		
November .....	53,003			807,605		
December .....	49,098			856,703		
<b>Ice cream, lowfat total</b>						
January .....	24,433	22,695	-7.1	24,433	22,695	-7.1
February .....	26,401	27,538	4.3	50,834	50,233	-1.2
March .....	35,833	37,430	4.5	86,667	87,663	1.1
April .....	35,030	38,601	10.2	121,697	126,264	3.8
May .....	36,115	37,466	3.7	157,812	163,730	3.8
June .....	42,050	45,376	7.9	199,862	209,106	4.6
July .....	38,736	40,959	5.7	238,598	250,065	4.8
August .....	36,183	39,949	10.4	274,781	290,014	5.5
September .....	31,395	33,337	6.2	306,176	323,351	5.6
October .....	28,391			334,567		
November .....	23,855			358,422		
December .....	23,033			381,455		
<b>Sherbet, hard</b>						
January .....	3,482	3,438	-1.3	3,482	3,438	-1.3
February .....	4,039	3,691	-8.6	7,521	7,129	-5.2
March .....	5,056	5,048	-0.2	12,577	12,177	-3.2
April .....	5,012	4,790	-4.4	17,589	16,967	-3.5
May .....	4,985	4,622	-7.3	22,574	21,589	-4.4
June .....	5,497	4,827	-12.2	28,071	26,416	-5.9
July .....	5,104	4,564	-10.6	33,175	30,980	-6.6
August .....	4,257	3,822	-10.2	37,432	34,802	-7.0
September .....	4,266	3,509	-17.7	41,698	38,311	-8.1
October .....	3,340			45,038		
November .....	2,572			47,610		
December .....	2,670			50,280		

See footnote(s) at end of table.

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**Dairy Products Production by Product and Month – United States: 2009 and 2010 (continued)**

Product and month	By month			Cumulative		
	2009	2010	Change from 2009	2009	2010	Change from 2009
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Yogurt, plain and flavored</b>						
January .....	304,553	339,217	11.4	304,553	339,217	11.4
February .....	304,155	314,514	3.4	608,708	653,731	7.4
March .....	355,911	399,691	12.3	964,619	1,053,422	9.2
April .....	311,481	332,315	6.7	1,276,100	1,385,737	8.6
May .....	328,934	339,906	3.3	1,605,034	1,725,643	7.5
June .....	332,379	353,948	6.5	1,937,413	2,079,591	7.3
July .....	309,910	340,025	9.7	2,247,323	2,419,616	7.7
August .....	323,373	364,592	12.7	2,570,696	2,784,208	8.3
September .....	369,995	388,826	5.1	2,940,691	3,173,034	7.9
October .....	309,431			3,250,122		
November .....	271,793			3,521,915		
December .....	310,056			3,831,971		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
<b>Frozen yogurt, total</b>						
January .....	4,638	3,816	-17.7	4,638	3,816	-17.7
February .....	5,138	4,458	-13.2	9,776	8,274	-15.4
March .....	6,492	6,526	0.5	16,268	14,800	-9.0
April .....	7,022	6,816	-2.9	23,290	21,616	-7.2
May .....	6,741	6,808	1.0	30,031	28,424	-5.4
June .....	7,544	7,630	1.1	37,575	36,054	-4.0
July .....	7,931	7,577	-4.5	45,506	43,631	-4.1
August .....	7,313	6,448	-11.8	52,819	50,079	-5.2
September .....	6,627	5,757	-13.1	59,446	55,836	-6.1
October .....	5,936			65,382		
November .....	4,647			70,029		
December .....	4,388			74,417		

<sup>1</sup> Includes Cheddar, Colby, Monterey, and Jack.

<sup>2</sup> Includes protein standardized and blends.

<sup>3</sup> Excludes all modified dry whey products.

**Total Cheese Production Excluding Cottage Cheese – States and United States: September 2009 and 2010**

State	September 2009	August 2010	September 2010	Change from	
				September 2009	August 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	167,726	190,067	185,965	10.9	-2.2
Idaho .....	69,316	73,330	72,419	4.5	-1.2
Illinois .....	6,595	5,930	6,992	6.0	17.9
Iowa .....	18,675	18,571	18,780	0.6	1.1
Minnesota .....	51,583	47,545	48,713	-5.6	2.5
New Jersey .....	3,181				
New Mexico .....	51,394	59,148	60,803	18.3	2.8
New York .....	62,453	65,815	64,966	4.0	-1.3
Ohio .....	16,567	17,211	17,381	4.9	1.0
Pennsylvania .....	34,762	35,730	33,612	-3.3	-5.9
South Dakota .....	18,153	20,373	20,361	12.2	-0.1
Utah .....	10,759				
Vermont .....	10,261	8,846	9,102	-11.3	2.9
Wisconsin .....	225,234	218,709	223,096	-0.9	2.0
Other States <sup>1</sup> .....	95,831	113,919	116,367		
United States .....	842,490	875,194	878,557	4.3	0.4
Atlantic .....	115,505	118,310	116,405	0.8	-1.6
Central .....	380,617	375,707	385,333	1.2	2.6
West .....	346,368	381,177	376,819	8.8	-1.1

<sup>1</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.

## American Cheese Production – States and United States: September 2009 and 2010

State	September 2009	August 2010	September 2010	Change from	
				September 2009	August 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	51,036	51,596	47,962	-6.0	-7.0
Idaho .....	55,645	59,046	57,688	3.7	-2.3
Iowa .....	14,357	14,122	14,347	-0.1	1.6
Ohio .....	980				
Oregon .....	14,897	13,127	13,031	-12.5	-0.7
Wisconsin .....	70,850	69,627	69,300	-2.2	-0.5
Other States <sup>1</sup> .....	135,156	146,185	152,314		
United States .....	342,921	353,703	354,642	3.4	0.3
Atlantic .....	10,500	15,911	14,745	40.4	-7.3
Central .....	161,824	158,400	163,840	1.2	3.4
West .....	170,597	179,392	176,057	3.2	-1.9

<sup>1</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 – States and United States: September 2009 and 2010

State	September 2009	August 2010	September 2010	Change from	
				September 2009	August 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	28,511	27,548	23,703	-16.9	-14.0
Idaho .....	46,386	46,677	45,496	-1.9	-2.5
Iowa .....	8,793	8,354	8,592	-2.3	2.8
Minnesota .....	40,421	36,818	40,026	-1.0	8.7
Ohio .....	735				
Wisconsin .....	54,558	52,190	51,600	-5.4	-1.1
Other States <sup>1</sup> .....	79,600	92,509	89,934		
United States .....	259,004	264,096	259,351	0.1	-1.8
Atlantic .....	10,098	15,368	14,178	40.4	-7.7
Central .....	126,436	117,649	123,036	-2.7	4.6
West .....	122,470	131,079	122,137	-0.3	-6.8

<sup>1</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.

## Total Italian Cheese Production – States and United States: September 2009 and 2010

State	September 2009	August 2010	September 2010	Change from	
				September 2009	August 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	102,436	120,103	118,717	15.9	-1.2
New York .....	31,723	31,005	31,345	-1.2	1.1
Pennsylvania .....	19,299	23,095	20,991	8.8	-9.1
Wisconsin .....	104,256	102,845	105,512	1.2	2.6
Other States <sup>1</sup> .....	88,373	89,603	88,718	0.4	-1.0
United States .....	346,087	366,651	365,283	5.5	-0.4
Atlantic .....	59,114	60,413	58,915	-0.3	-2.5
Central .....	137,656	137,309	137,960	0.2	0.5
West .....	149,317	168,929	168,408	12.8	-0.3

<sup>1</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 – States and United States: September 2009 and 2010

State	September 2009	August 2010	September 2010	Change from	
				September 2009	August 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	91,787	110,385	108,802	18.5	-1.4
New York .....	16,063	16,753	15,637	-2.7	-6.7
Wisconsin .....	74,814	73,463	74,200	-0.8	1.0
Other States <sup>1</sup> .....	87,598	94,228	92,290	5.4	-2.1
United States .....	270,262	294,829	290,929	7.6	-1.3
Atlantic .....	37,563	40,755	37,273	-0.8	-8.5
Central .....	96,871	97,400	97,857	1.0	0.5
West .....	135,828	156,674	155,799	14.7	-0.6

<sup>1</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 – States and United States: September 2009 and 2010

State	September 2009	August 2010	September 2010	Change from	
				September 2009	August 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	36,732	39,206	39,457	7.4	0.6
Pennsylvania .....	5,846				
Other States <sup>1</sup> .....	52,112	62,454	71,010		
United States .....	94,690	101,660	110,467	16.7	8.7
Atlantic .....	8,895	7,453	10,075	13.3	35.2
Central .....	31,072	36,620	38,529	24.0	5.2
West .....	54,723	57,587	61,863	13.0	7.4

<sup>1</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 – States and United States: September 2009 and 2010

State	September 2009	August 2010	September 2010	Change from	
				September 2009	August 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	57,666	74,252	69,676	20.8	-6.2
Other States <sup>1</sup> .....	30,142	45,310	39,249	30.2	-13.4
United States .....	87,808	119,562	108,925	24.0	-8.9
Atlantic .....	8,500	12,264	9,677	13.8	-21.1
Central .....	6,733	6,515	5,706	-15.3	-12.4
West .....	72,575	100,783	93,542	28.9	-7.2

<sup>1</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 – States and United States: September 2009 and 2010

State	September 2009	August 2010	September 2010	Change from	
				September 2009	August 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York .....	10,900	9,845	9,179	-15.8	-6.8
Wisconsin .....	24,071	23,598	24,300	1.0	3.0
Other States <sup>1</sup> .....	41,064	43,138	42,222	2.8	-2.1
United States .....	76,035	76,581	75,701	-0.4	-1.1
Atlantic .....	18,969	19,568	18,177	-4.2	-7.1
Central .....	37,696	37,382	38,140	1.2	2.0
West .....	19,370	19,631	19,384	0.1	-1.3

<sup>1</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, Regular (Hard) Production – States and United States: September 2009 and 2010

State	September 2009	August 2010	September 2010	Change from	
				September 2009	August 2010
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	13,594	11,866	13,084	-3.8	10.3
Indiana .....	7,305	7,981	7,618	4.3	-4.5
Massachusetts .....	3,333	2,882	2,687	-19.4	-6.8
Missouri .....	2,195	2,600	2,270	3.4	-12.7
New York .....	2,464				
North Carolina .....	1,061	1,115	986	-7.1	-11.6
Ohio .....	1,899	1,950	1,906	0.4	-2.3
Oregon .....	1,289	1,756	1,388	7.7	-21.0
Pennsylvania .....	2,412	3,566	2,835	17.5	-20.5
Tennessee .....	993				
Texas .....	3,962	4,492	3,937	-0.6	-12.4
Utah .....	2,189	2,145	2,014	-8.0	-6.1
Wisconsin .....	1,076	1,318	1,110	3.2	-15.8
Other States <sup>1</sup> .....	30,532	34,120	34,205		
United States .....	74,304	75,791	74,040	-0.4	-2.3
North Atlantic .....	10,417				
South Atlantic .....	4,891				
Atlantic .....		16,507	15,079		
East North Central .....	15,575				
West North Central .....	13,850				
South Central .....	9,439				
Central .....		40,557	39,823		
West .....	20,132	18,727	19,138	-4.9	2.2

<sup>1</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.

## Statistical Methodology: Dairy Products

**Data Collection Period:** Dairy products estimates are based upon survey data collected after the close of each month. Production data are provided by the firms producing dairy products.

**Sampling frames and sample size:** In 2009, there were 1,178 manufacturers that produced one or more dairy products. In states with small numbers of plants, reports are received from all plants each month. 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. In some states, the State Departments of Agriculture assist in collection of data, which eliminates duplicate reporting and reduces respondent burden.

**Modes of data collection:** Data are collected by mail, personal and telephone interviews, facsimile, and via electronic mail.

**Terms and definitions:** Firms complete the questionnaire using standard industry definitions and through the aid of instructions and definitions provided on the questionnaire.

**Reliability:** Data for the Dairy Products report are collected by a Census of all known manufacturers of dairy products in the United States. Firms producing a large quantities of dairy products, along with a sample of smaller firms, are contacted monthly to collect previous month production data. Those small firms not contacted monthly are contacted after the close of the year to obtain previous year production. Production of products at small firms not contacted monthly are estimated during the monthly survey based upon check data, and state and national trends. Small firms are defined as those that do not make up a significant portion of the published total. Plants storing nonfat dry milk and dry whey are required under Federal law to complete the Dairy Products report. Plants storing these items are contacted monthly. Additionally, many state governments have mandated that dairy plants in their state complete the Dairy Products report each month. Because the Dairy Products survey is a census, sampling error should not affect the final estimates, however non-sampling errors are possible.

**Estimating Procedures:** In the field office (FO), data reported by firms are reviewed for reasonableness and consistency by comparing with data reported in prior months and by data reported by other firms in the State. Each field office summarizes data at the State level. State estimates are submitted to the Agricultural Statistics Board (ASB) along with supporting comments where they are compared with surrounding states, their region, and national trends. During both FO and ASB review, plants are sometimes contacted again for further verification of numbers reported. After ASB review, FO data are summarized into a National level summary.

**Revision Policy:** Monthly estimates are subject to revision the month following the preliminary estimates. Annual estimates are published in late April in the "Dairy Products Yearly Summary" report which includes any revisions made to previous 2 years of estimates. Revisions are generally due to plant data that are received too late to be included in the current report.

## Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to [nass@nass.usda.gov](mailto:nass@nass.usda.gov)

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Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278
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