



Dairy Products

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May 2010 Highlights

Total cheese output (excluding cottage cheese) was 878 million pounds, 2.5 percent above May 2009 and 1.8 percent above April 2010.

Italian type cheese production totaled 370 million pounds, 6.8 percent above May 2009 and 0.8 percent above April 2010.

American type cheese production totaled 369 million pounds, 0.3 percent above May 2009 and 3.0 percent above April 2010.

Butter production was 131 million pounds, 5.6 percent below May 2009 and 1.3 percent below April 2010.

Dry milk powders (comparisons with May 2009)

Nonfat dry milk, human - 154 million pounds, up 2.6 percent.

Skim milk powders - 17.1 million pounds, down 35.8 percent.

Whey products (comparisons with May 2009)

Dry whey, total - 89.7 million pounds, up 2.9 percent.

Lactose, human and animal - 75.1 million pounds, up 25.9 percent.

Whey protein concentrate, total - 35.9 million pounds, up 3.4 percent.

Frozen products (comparisons with May 2009)

Ice cream, regular (hard) - 82.2 million gallons, up 2.0 percent.

Ice cream, lowfat (total) - 37.3 million gallons, up 3.3 percent.

Sherbet (hard) - 4.60 million gallons, down 7.7 percent.

Frozen yogurt (total) - 6.83 million gallons, up 1.3 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.



Contents

Dairy Products Production by Product - United States.....	4
Whey and Modified Whey Products Production, Stocks, and Prices - United States.....	5
Canned, Condensed, and Dry Milk Products Production, Stocks, and Shipments - United States.....	6
Dairy Products Production by Product and Month - United States.....	7
Total Cheese Production Excluding Cottage Cheese - States and United States.....	14
American Cheese Production - States and United States.....	15
Cheddar Cheese Production - States and United States.....	15
Total Italian Cheese Production - States and United States.....	16
Mozzarella Cheese Production - States and United States.....	16
Butter Production - States and United States.....	17
Nonfat Dry Milk (Human) Production - States and United States.....	17
Dry Whey (Human) Production - States and United States.....	18
Ice Cream, Regular (Hard) Production - States and United States.....	18
Statistical Methodology	19
Information Contacts	19

Dairy Products Production by Product - United States: May 2009 and 2010

Product	May 2009	April 2010	May 2010	Change from	
				May 2009	April 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	139,178	133,152	131,436	-5.6	-1.3
Cheese					
American types ¹	368,021	358,530	369,267	0.3	3.0
Cheddar	287,422	270,957	286,331	-0.4	5.7
Other American types	80,599	87,573	82,936	2.9	-5.3
Brick and Muenster	9,722	10,352	10,612	9.2	2.5
Cream and Neufchatel	59,703	56,351	56,682	-5.1	0.6
Hispanic	16,057	17,309	16,050		-7.3
Italian types	345,905	366,567	369,511	6.8	0.8
Mozzarella	271,395	288,293	293,880	8.3	1.9
Parmesan	18,603	21,252	19,818	6.5	-6.7
Provolone	29,423	31,056	30,659	4.2	-1.3
Ricotta	17,917	19,238	17,933	0.1	-6.8
Romano	4,693	2,792	2,685	-42.8	-3.8
Other Italian types	3,874	3,936	4,536	17.1	15.2
Swiss	27,487	28,437	28,867	5.0	1.5
All other types	29,205	24,470	26,891	-7.9	9.9
Total cheese	856,100	862,016	877,880	2.5	1.8
Cottage cheese, curd ²	37,665	35,110	33,564	-10.9	-4.4
Cottage cheese, cream ³	30,210	26,462	26,440	-12.5	-0.1
Cottage cheese, lowfat ⁴	32,644	32,043	29,695	-9.0	-7.3
Sour cream	93,504	90,309	91,775	-1.8	1.6
Yogurt, plain and flavored	328,934	332,315	339,917	3.3	2.3
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	80,604	78,499	82,208	2.0	4.7
Ice cream, lowfat, hard	13,248	14,020	12,654	-4.5	-9.7
Ice cream, lowfat, soft	22,867	24,581	24,663	7.9	0.3
Ice cream, lowfat, total	36,115	38,601	37,317	3.3	-3.3
Ice cream, nonfat, hard	1,264	1,201	1,354	7.1	12.7
Sherbet, hard	4,985	4,790	4,602	-7.7	-3.9
Frozen yogurt, total	6,741	6,816	6,828	1.3	0.2
Regular and lowfat, hard	1,486	1,609	1,709	15.0	6.2
Nonfat, hard	607	562	565	-6.9	0.5
Other frozen dairy products	1,291	1,267	1,375	6.5	8.5
Water and juice ices	7,249	6,700	7,081	-2.3	5.7
Mix for frozen products					
Ice cream, regular, mix	44,512	43,508	45,461	2.1	4.5
Ice cream, lowfat, mix	21,395	22,098	21,428	0.2	-3.0
Ice cream, nonfat, mix	812	800	823	1.4	2.9
Sherbet mix	3,190	2,987	2,955	-7.4	-1.1
Yogurt mix	3,645	4,131	4,138	13.5	0.2

¹ Includes Cheddar, Colby, Monterey, and Jack.

² Mostly used for processing into cream or lowfat cottage cheese.

³ Fat content 4 percent or more.

⁴ Fat content less than 4 percent.

Whey and Modified Whey Products Production, Stocks, and Prices - United States: May 2009 and 2010

Product	May 2009	April 2010	May 2010	Change from	
				May 2009	April 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Condensed whey, solids content ¹					
Sweet-type, human	7,822	7,000	7,199	-8.0	2.8
Dry whey products					
Dry whey, human	83,325	85,579	83,654	0.4	-2.2
Dry whey, animal	3,800	5,147	6,020	58.4	17.0
Dry whey, total	87,125	90,726	89,674	2.9	-1.2
Reduced lactose and minerals					
Human	2,695	2,055	2,340	-13.2	13.9
Animal	4,745	4,323	4,820	1.6	11.5
Whey protein concentrate					
Human ²	31,478	33,295	33,704	7.1	1.2
Animal ²	3,227	2,386	2,195	-32.0	-8.0
Total ²	34,705	35,681	35,899	3.4	0.6
25.0-49.9 percent ³	22,733	19,967	20,473	-9.9	2.5
50.0-89.9 percent ³	11,972	15,714	15,426	28.9	-1.8
Whey protein isolates ⁴	3,957	4,552	4,899	23.8	7.6
Lactose, human and animal	59,639	71,582	75,064	25.9	4.9
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	42,709	48,114	48,185	12.8	0.1
Dry whey, animal	1,329	4,472	5,693	328.4	27.3
Dry whey, total	44,038	52,586	53,878	22.3	2.5
Reduced Lactose and minerals					
Human and animal ⁶	15,184	9,822	10,604	-30.2	8.0
Whey protein concentrate					
Human ²	36,102	35,677	36,217	0.3	1.5
Animal ²	2,419	2,367	1,645	-32.0	-30.5
Total ²	38,521	38,044	37,862	-1.7	-0.5
25.0-49.9 percent ³	22,346	22,457	21,101	-5.6	-6.0
50.0-89.9 percent ³	16,175	15,587	16,761	3.6	7.5
Whey protein isolates ⁴	11,353	9,667	9,582	-15.6	-0.9
Lactose, human and animal	71,655	73,543	76,170	6.3	3.6
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	21.2	31.9	32.8	11.6	0.9

¹ 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.

² Whey protein concentrate, 25.0 to 89.9 percent.

³ Whey protein concentrate, human and animal.

⁴ Whey protein isolate, 90.0 percent or greater.

⁵ Stocks held by manufacturers at all points and in transit.

⁶ Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

⁷ 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: May 2009 and 2010

Product	May 2009	April 2010	May 2010	Change from	
				May 2009	April 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	132,525	129,233	135,674	2.4	5.0
Canned milk					
Evaporated and condensed whole	43,267	38,326	40,137	-7.2	4.7
Dry milk products					
Dry buttermilk, total	5,526	6,575	6,611	19.6	0.5
Dry skim milk, animal	861	803	783	-9.1	-2.5
Dry whole milk	5,587	3,879	6,759	21.0	74.2
Milk protein concentrate, total ¹	11,268	11,741	12,289	9.1	4.7
Nonfat dry milk, human	150,452	152,373	154,387	2.6	1.3
Skim milk powder, total ²	26,697	14,463	17,146	-35.8	18.6
Manufacturers' stocks end-of-month ³					
Canned milk					
Evaporated and condensed whole	85,299	89,368	108,558	27.3	21.5
Dry milk products					
Dry buttermilk, total	5,318	7,813	8,118	52.7	3.9
Dry skim milk, animal	2,464	1,430	1,474	-40.2	3.1
Dry whole milk	5,563	7,043	6,894	23.9	-2.1
Nonfat dry milk, human	198,155	144,044	147,574	-25.5	2.5
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	134,933	150,590	147,616	9.4	-2.0

¹ Dry milk protein concentrate, 40-89.9 percent

² Includes protein standardized and blends

³ Stocks held by manufacturers at all points and in transit

⁴ 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)
Total cheese						
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	877,880	2.5	4,169,078	4,248,448	1.9
June	838,100			5,007,178		
July	842,752			5,849,930		
August	850,684			6,700,614		
September	842,490			7,543,104		
October	862,785			8,405,889		
November	839,532			9,245,421		
December	863,872			10,109,293		
Total American cheese types ¹						
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	369,267	0.3	1,767,731	1,758,043	-0.5
June	356,869			2,124,600		
July	354,695			2,479,295		
August	347,088			2,826,383		
September	342,921			3,169,304		
October	349,403			3,518,707		
November	331,593			3,850,300		
December	352,199			4,202,499		
Cheddar cheese						
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	286,331	-0.4	1,362,030	1,350,195	-0.9
June	276,646			1,638,676		
July	269,533			1,908,209		
August	264,743			2,172,952		
September	259,004			2,431,956		
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)
Total Italian cheese types						
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	369,511	6.8	1,713,706	1,809,770	5.6
June	341,918			2,055,624		
July	346,130			2,401,754		
August	345,799			2,747,553		
September	346,087			3,093,640		
October	357,854			3,451,494		
November	358,986			3,810,480		
December	369,800			4,180,280		
Mozzarella						
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	293,880	8.3	1,335,739	1,426,580	6.8
June	268,901			1,604,640		
July	273,782			1,878,422		
August	272,632			2,151,054		
September	270,262			2,421,316		
October	278,106			2,699,422		
November	279,105			2,978,527		
December	288,779			3,267,306		
Other Italian cheese types						
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			24,779		
July	3,754			28,533		
August	3,841			32,374		
September	4,478			36,852		
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)
Butter						
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	131,436	-5.6	753,185	706,544	-6.2
June	125,301			878,486		
July	114,388			992,874		
August	101,029			1,093,903		
September	94,690			1,188,593		
October	113,084			1,301,677		
November	120,967			1,422,644		
December	150,837			1,573,481		
Nonfat dry milk, human						
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	154,387	2.6	713,338	690,325	-3.2
June	146,065			859,403		
July	133,175			992,578		
August	107,049			1,099,627		
September	87,808			1,187,435		
October	92,800			1,280,235		
November	102,156			1,382,391		
December	126,720			1,509,111		
Skim milk powders ²						
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			132,926		
July	14,023			146,949		
August	10,677			157,626		
September	12,585			170,211		
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)
Dry whey, total ³						
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	89,674	2.9	407,191	437,119	7.3
June	92,639			499,830		
July	93,640			593,470		
August	82,555			676,025		
September	79,006			755,031		
October	81,709			836,740		
November	79,361			916,101		
December	85,059			1,001,160		
Lactose, human and animal						
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	75,064	25.9	288,001	351,000	21.9
June	60,429			348,430		
July	61,168			409,598		
August	62,065			471,663		
September	60,066			531,729		
October	63,926			595,655		
November	61,927			657,582		
December	64,977			722,559		
Whey protein concentrate, total						
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			205,024		
July	35,221			240,245		
August	35,284			275,529		
September	34,810			310,339		
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)
Cottage cheese, cream						
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	26,440	-12.5	143,665	132,740	-7.6
June	29,707			173,372		
July	30,823			204,195		
August	30,375			234,570		
September	30,995			265,565		
October	26,685			292,250		
November	24,586			316,836		
December	25,064			341,900		
Cottage cheese, lowfat						
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	29,695	-9.0	163,859	156,156	-4.7
June	32,986			196,845		
July	34,701			231,546		
August	32,107			263,653		
September	35,038			298,691		
October	31,246			329,937		
November	28,733			358,670		
December	28,987			387,657		
Sour cream						
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	91,775	-1.8	456,546	462,178	1.2
June	93,644			550,190		
July	92,442			642,632		
August	93,770			736,402		
September	92,435			828,837		
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)
Ice cream, regular hard						
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	82,208	2.0	358,785	359,247	0.1
June	89,319			448,104		
July	84,319			532,423		
August	79,273			611,696		
September	74,304			686,000		
October	68,602			754,602		
November	53,003			807,605		
December	49,098			856,703		
Ice cream, lowfat total						
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	37,317	3.3	157,812	163,581	3.7
June	42,050			199,862		
July	38,736			238,598		
August	36,183			274,781		
September	31,395			306,176		
October	28,391			334,567		
November	23,855			358,422		
December	23,033			381,455		
Sherbet, hard						
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	4,602	-7.7	22,574	21,569	-4.5
June	5,497			28,071		
July	5,104			33,175		
August	4,257			37,432		
September	4,266			41,698		
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)
Yogurt, plain and flavored						
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	339,917	3.3	1,605,034	1,725,654	7.5
June	332,379			1,937,413		
July	309,910			2,247,323		
August	323,373			2,570,696		
September	369,995			2,940,691		
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)
Frozen yogurt, total						
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	6,828	1.3	30,031	28,444	-5.3
June	7,544			37,575		
July	7,931			45,506		
August	7,313			52,819		
September	6,627			59,446		
October	5,936			65,382		
November	4,647			70,029		
December	4,388			74,417		

¹ Includes Cheddar, Colby, Monterey, and Jack

² Includes protein standardized and blends.

³ Excludes all modified dry whey products.

Total Cheese Production Excluding Cottage Cheese - States and United States: May 2009 and 2010

State	May 2009	April 2010	May 2010	Change from	
				May 2009	April 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	175,497	180,645	184,033	4.9	1.9
Idaho	70,431	70,760	69,448	-1.4	-1.9
Illinois	6,719	6,301	6,184	-8.0	-1.9
Iowa	18,803	20,814	20,938	11.4	0.6
Minnesota	57,472	53,739	55,000	-4.3	2.3
New Jersey	2,240				
New Mexico	50,389	61,230	61,776	22.6	0.9
New York	57,220	59,175	58,441	2.1	-1.2
Ohio	16,952	16,982	17,386	2.6	2.4
Pennsylvania	34,784	34,244	34,899	0.3	1.9
South Dakota	20,327	17,555	18,239	-10.3	3.9
Utah	8,606				
Vermont	10,491	9,778	8,439	-19.6	-13.7
Wisconsin	220,438	215,330	224,993	2.1	4.5
Other States ¹	105,731	115,463	118,104		
United States	856,100	862,016	877,880	2.5	1.8
Atlantic	109,115	110,273	108,751	-0.3	-1.4
Central	392,565	382,401	394,542	0.5	3.2
West	354,420	369,342	374,587	5.7	1.4

¹ 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: May 2009 and 2010

State	May 2009	April 2010	May 2010	Change from	
				May 2009	April 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	58,599	51,325	52,704	-10.1	2.7
Idaho	57,486	56,855	54,935	-4.4	-3.4
Iowa	14,461	15,885	15,762	9.0	-0.8
Ohio	1,271				
Oregon	14,898	13,817	14,279	-4.2	3.3
Wisconsin	72,803	72,326	76,300	4.8	5.5
Other States ¹	148,503	148,322	155,287		
United States	368,021	358,530	369,267	0.3	3.0
Atlantic	13,209	14,065	15,807	19.7	12.4
Central	174,773	166,999	175,681	0.5	5.2
West	180,039	177,466	177,779	-1.3	0.2

¹ 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: May 2009 and 2010

State	May 2009	April 2010	May 2010	Change from	
				May 2009	April 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	34,007	27,065	29,226	-14.1	8.0
Idaho	48,433	45,032	46,982	-3.0	4.3
Iowa	10,437	9,509	9,876	-5.4	3.9
Minnesota	46,349	40,542	43,585	-6.0	7.5
Ohio	1,026				
Wisconsin	56,873	55,969	58,700	3.2	4.9
Other States ¹	90,297	92,840	97,962		
United States	287,422	270,957	286,331	-0.4	5.7
Atlantic	12,958	13,502	15,205	17.3	12.6
Central	139,783	129,839	137,052	-2.0	5.6
West	134,681	127,616	134,074	-0.5	5.1

¹ 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: May 2009 and 2010

State	May 2009	April 2010	May 2010	Change from	
				May 2009	April 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	99,233	112,931	115,345	16.2	2.1
New York	31,731	29,396	28,760	-9.4	-2.2
Pennsylvania	22,714	23,184	24,286	6.9	4.8
Wisconsin	100,185	104,021	105,639	5.4	1.6
Other States ¹	92,042	97,035	95,481	3.7	-1.6
United States	345,905	366,567	369,511	6.8	0.8
Atlantic	60,845	59,404	58,251	-4.3	-1.9
Central	138,426	143,395	143,222	3.5	-0.1
West	146,634	163,768	168,038	14.6	2.6

¹ 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: May 2009 and 2010

State	May 2009	April 2010	May 2010	Change from	
				May 2009	April 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	90,727	102,805	104,870	15.6	2.0
New York	16,974	16,362	16,438	-3.2	0.5
Wisconsin	70,283	71,405	73,800	5.0	3.4
Other States ¹	93,411	97,721	98,772	5.7	1.1
United States	271,395	288,293	293,880	8.3	1.9
Atlantic	40,181	40,414	40,016	-0.4	-1.0
Central	95,905	96,722	99,017	3.2	2.4
West	135,309	151,157	154,847	14.4	2.4

¹ 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: May 2009 and 2010

State	May 2009	April 2010	May 2010	Change from	
				May 2009	April 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	43,029	48,322	47,582	10.6	-1.5
Pennsylvania	6,514				
Other States ¹	89,635	84,830	83,854		
United States	139,178	133,152	131,436	-5.6	-1.3
Atlantic	11,962	14,228	12,731	6.4	-10.5
Central	60,943	46,608	46,682	-23.4	0.2
West	66,273	72,316	72,023	8.7	-0.4

¹ 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: May 2009 and 2010

State	May 2009	April 2010	May 2010	Change from	
				May 2009	April 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	75,657	84,449	84,647	11.9	0.2
Other States ¹	74,795	67,924	69,740	-6.8	2.7
United States	150,452	152,373	154,387	2.6	1.3
Atlantic	27,082	25,399	24,333	-10.2	-4.2
Central	19,409	16,946	16,722	-13.8	-1.3
West	103,961	110,028	113,332	9.0	3.0

¹ 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: May 2009 and 2010

State	May 2009	April 2010	May 2010	Change from	
				May 2009	April 2010
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	11,674	11,727	9,423	-19.3	-19.6
Wisconsin	25,590	25,864	26,200	2.4	1.3
Other States ¹	46,061	47,988	48,031	4.3	0.1
United States	83,325	85,579	83,654	0.4	-2.2
Atlantic	21,512	21,787	20,082	-6.6	-7.8
Central	41,203	41,651	41,484	0.7	-0.4
West	20,610	22,141	22,088	7.2	-0.2

¹ 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: May 2009 and 2010

State	May 2009	April 2010	May 2010	Change from	
				May 2009	April 2010
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	15,049	13,782	13,336	-11.4	-3.2
Indiana	7,913	7,406	8,546	8.0	15.4
Massachusetts	3,269	2,527	2,573	-21.3	1.8
Missouri	2,693	2,485	3,000	11.4	20.7
New York	3,140				
North Carolina	1,412	1,046	1,300	-7.9	24.3
Ohio	2,254	2,069	1,990	-11.7	-3.8
Oregon	1,505	1,250	1,805	19.9	44.4
Pennsylvania	3,013	2,886	2,856	-5.2	-1.0
Tennessee	913				
Texas	4,307	4,292	5,019	16.5	16.9
Utah	1,901	2,190	2,195	15.5	0.2
Wisconsin	1,412	1,407	1,535	8.7	9.1
Other States ¹	31,823	37,159	38,053		
United States	80,604	78,499	82,208	2.0	4.7
North Atlantic	12,915				
South Atlantic	5,177				
Atlantic		16,091	17,471		
East North Central	16,970				
West North Central	13,860				
South Central	9,630				
Central		41,280	43,842		
West	22,052	21,128	20,895	-5.2	-1.1

¹ 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

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