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December 2016 Highlights

Total cheese output (excluding cottage cheese) was 1.05 billion pounds, 1.3 percent above December 2015 and 3.0 percent above November 2016.

Italian type cheese production totaled 461 million pounds, 1.1 percent below December 2015 but 5.5 percent above November 2016.

American type cheese production totaled 416 million pounds, 3.9 percent above December 2015 and 5.1 percent above November 2016.

Butter production was 164 million pounds, 6.7 percent below December 2015 but 13.3 percent above November 2016.

Dry milk powders (comparisons with December 2015)

Nonfat dry milk, human - 156 million pounds, up 3.2 percent.

Skim milk powders - 51.6 million pounds, up 18.7 percent.

Whey products (comparisons with December 2015)

Dry whey, total - 79.6 million pounds, down 13.3 percent.

Lactose, human and animal - 93.4 million pounds, up 2.5 percent.

Whey protein concentrate, total - 36.9 million pounds, down 12.8 percent.

Frozen products (comparisons with December 2015)

Ice cream, regular (hard) - 50.3 million gallons, down 11.0 percent.

Ice cream, lowfat (total) - 25.6 million gallons, up 0.7 percent.

Sherbet (hard) - 2.14 million gallons, down 1.6 percent.

Frozen yogurt (total) - 4.35 million gallons, up 8.6 percent.

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Dairy Products Production by Product – United States: December 2015 and 2016

Product	December 2015	November 2016	December 2016	Change from	
				December 2015	November 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	175,556	144,580	163,757	-6.7	13.3
Cheese					
American types ¹	400,164	395,590	415,728	3.9	5.1
Cheddar	292,957	282,446	303,067	3.5	7.3
Other American types	107,207	113,144	112,661	5.1	-0.4
Blue and Gorgonzola	8,058	7,687	7,184	-10.8	-6.5
Brick and Muenster	14,084	15,502	14,641	4.0	-5.6
Cream and Neufchatel	72,131	85,869	76,385	5.9	-11.0
Feta	8,631	10,555	8,761	1.5	-17.0
Gouda	4,581	5,365	3,738	-18.4	-30.3
Hispanic	21,437	21,978	22,261	3.8	1.3
Italian types	465,574	436,519	460,585	-1.1	5.5
Mozzarella	364,737	338,781	360,292	-1.2	6.3
Parmesan	31,478	29,521	33,050	5.0	12.0
Provolone	32,518	33,756	33,273	2.3	-1.4
Ricotta	24,897	23,656	22,954	-7.8	-3.0
Romano	5,509	4,312	3,952	-28.3	-8.3
Other Italian types	6,435	6,493	7,064	9.8	8.8
Swiss	27,821	26,017	26,930	-3.2	3.5
All other types	13,835	14,727	14,068	1.7	-4.5
Total cheese	1,036,316	1,019,809	1,050,281	1.3	3.0
Cottage cheese, curd ²	33,142	31,416	31,331	-5.5	-0.3
Cottage cheese, cream ³	26,663	25,510	25,868	-3.0	1.4
Cottage cheese, lowfat ⁴	30,088	28,515	27,592	-8.3	-3.2
Sour cream	118,408	133,949	130,599	10.3	-2.5
Yogurt, plain and flavored	367,422	327,942	376,718	2.5	14.9
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	56,472	52,324	50,263	-11.0	-3.9
Ice cream, lowfat, hard	12,779	12,406	11,979	-6.3	-3.4
Ice cream, lowfat, soft	12,620	15,243	13,603	7.8	-10.8
Ice cream, lowfat, total	25,399	27,649	25,582	0.7	-7.5
Ice cream, nonfat, hard	366	558	477	30.3	-14.5
Sherbet, hard	2,178	1,959	2,143	-1.6	9.4
Frozen yogurt, total	4,004	4,627	4,347	8.6	-6.1
Regular and lowfat, hard	1,319	1,643	1,667	26.4	1.5
Nonfat, hard	287	454	282	-1.7	-37.9
Other frozen dairy products	662	875	700	5.7	-20.0
Water and juice ices	3,231	4,645	3,032	-6.2	-34.7
Mix for frozen products					
Ice cream, regular, mix	31,670	31,068	28,291	-10.7	-8.9
Ice cream, lowfat, mix	13,896	15,657	14,450	4.0	-7.7
Ice cream, nonfat, mix	450	572	510	13.3	-10.8
Sherbet mix	1,417	1,322	1,461	3.1	10.5
Yogurt mix	2,382	2,770	2,747	15.3	-0.8

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:
December 2015 and 2016**

Product	December 2015	November 2016	December 2016	Change from	
				December 2015	November 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	9,670	10,526	9,982	3.2	-5.2
Dry whey products					
Dry whey, human	89,997	70,477	78,065	-13.3	10.8
Dry whey, animal	1,789	2,416	1,545	-13.6	-36.1
Dry whey, total	91,786	72,893	79,610	-13.3	9.2
Reduced lactose and minerals					
Human	2,824	2,109	2,196	-22.2	4.1
Animal	2,646	2,571	2,647	-	3.0
Whey protein concentrate					
Human ²	42,063	37,218	36,570	-13.1	-1.7
Animal ²	236	261	307	30.1	17.6
Total ²	42,299	37,479	36,877	-12.8	-1.6
25.0-49.9 percent ³	17,587	15,870	14,511	-17.5	-8.6
50.0-89.9 percent ³	24,712	21,609	22,366	-9.5	3.5
Whey protein isolates ⁴	8,780	10,216	10,975	25.0	7.4
Lactose, human and animal	91,094	87,250	93,402	2.5	7.1
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	65,048	59,498	63,803	-1.9	7.2
Dry whey, animal	2,152	1,165	1,834	-14.8	57.4
Dry whey, total	67,200	60,663	65,637	-2.3	8.2
Reduced Lactose and minerals					
Human and animal ⁶	6,785	6,471	6,401	-5.7	-1.1
Whey protein concentrate					
Human ²	67,542	59,578	55,900	-17.2	-6.2
Animal ²	821	494	640	-22.0	29.6
Total ²	68,363	60,072	56,540	-17.3	-5.9
25.0-49.9 percent ³	26,544	19,398	19,202	-27.7	-1.0
50.0-89.9 percent ³	41,819	40,674	37,338	-10.7	-8.2
Whey protein isolates ⁴	16,471	21,638	22,356	35.7	3.3
Lactose, human and animal	103,145	101,820	101,420	-1.7	-0.4
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	13.4	13.8	16.9	3.6	3.1

- Represents zero.

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.

**Condensed and Dry Milk Products Production, Stocks, and Shipments – United States:
December 2015 and 2016**

Product	December 2015	November 2016	December 2016	Change from	
				December 2015	November 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	135,723	118,619	99,805	-26.5	-15.9
Dry milk products					
Dry buttermilk, total	11,507	9,794	10,988	-4.5	12.2
Dry skim milk, animal	1,026	567	874	-14.8	54.1
Dry whole milk	9,665	7,308	9,661		32.2
Milk protein concentrate, total ¹	11,863	13,228	13,938	17.5	5.4
Nonfat dry milk, human	151,143	128,166	156,043	3.2	21.8
Skim milk powder, total ²	43,472	50,112	51,615	18.7	3.0
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	17,056	20,530	23,252	36.3	13.3
Dry skim milk, animal	1,722	1,478	2,171	26.1	46.9
Dry whole milk	11,370	12,176	12,474	9.7	2.4
Nonfat dry milk, human	204,289	215,485	228,378	11.8	6.0
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	132,941	128,861	138,316	4.0	7.3

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: 2015 and 2016

Product and month	By month			Cumulative		
	2015	2016	Change from 2015	2015	2016	Change from 2015
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese						
January	994,542	1,003,278	0.9	994,542	1,003,278	0.9
February	896,222	955,051	6.6	1,890,764	1,958,329	3.6
March	1,011,401	1,025,629	1.4	2,902,165	2,983,958	2.8
April	977,734	991,181	1.4	3,879,899	3,975,139	2.5
May	986,103	1,002,024	1.6	4,866,002	4,977,163	2.3
June	976,802	990,753	1.4	5,842,804	5,967,916	2.1
July	1,003,072	1,012,526	0.9	6,845,876	6,980,442	2.0
August	978,177	999,583	2.2	7,824,053	7,980,025	2.0
September	966,057	985,312	2.0	8,790,110	8,965,337	2.0
October	1,027,279	1,038,075	1.1	9,817,389	10,003,412	1.9
November	984,720	1,019,809	3.6	10,802,109	11,023,221	2.0
December	1,036,316	1,050,281	1.3	11,838,425	12,073,502	2.0
Total American cheese types ¹						
January	402,235	400,989	-0.3	402,235	400,989	-0.3
February	357,392	366,870	2.7	759,627	767,859	1.1
March	395,913	399,063	0.8	1,155,540	1,166,922	1.0
April	396,707	395,527	-0.3	1,552,247	1,562,449	0.7
May	407,684	400,350	-1.8	1,959,931	1,962,799	0.1
June	390,457	389,382	-0.3	2,350,388	2,352,181	0.1
July	397,252	398,996	0.4	2,747,640	2,751,177	0.1
August	394,944	389,387	-1.4	3,142,584	3,140,564	-0.1
September	379,532	376,427	-0.8	3,522,116	3,516,991	-0.1
October	392,516	398,746	1.6	3,914,632	3,915,737	0.0
November	380,090	395,590	4.1	4,294,722	4,311,327	0.4
December	400,164	415,728	3.9	4,694,886	4,727,055	0.7
Cheddar cheese						
January	296,775	296,492	-0.1	296,775	296,492	-0.1
February	262,614	257,550	-1.9	559,389	554,042	-1.0
March	287,127	283,957	-1.1	846,516	837,999	-1.0
April	287,362	297,403	3.5	1,133,878	1,135,402	0.1
May	296,459	290,549	-2.0	1,430,337	1,425,951	-0.3
June	287,963	277,668	-3.6	1,718,300	1,703,619	-0.9
July	286,447	281,801	-1.6	2,004,747	1,985,420	-1.0
August	279,375	279,186	-0.1	2,284,122	2,264,606	-0.9
September	271,528	268,541	-1.1	2,555,650	2,533,147	-0.9
October	278,831	280,176	0.5	2,834,481	2,813,323	-0.7
November	266,026	282,446	6.2	3,100,507	3,095,769	-0.2
December	292,957	303,067	3.5	3,393,464	3,398,836	0.2

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2015 and 2016

Product and month	By month			Cumulative		
	2015	2016	Change from 2015	2015	2016	Change from 2015
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	433,575	435,176	0.4	433,575	435,176	0.4
February	389,448	423,918	8.9	823,023	859,094	4.4
March	440,148	458,783	4.2	1,263,171	1,317,877	4.3
April	421,271	436,543	3.6	1,684,442	1,754,420	4.2
May	417,329	440,810	5.6	2,101,771	2,195,230	4.4
June	422,827	434,410	2.7	2,524,598	2,629,640	4.2
July	430,439	443,092	2.9	2,955,037	3,072,732	4.0
August	402,279	424,496	5.5	3,357,316	3,497,228	4.2
September	403,028	428,277	6.3	3,760,344	3,925,505	4.4
October	437,762	445,974	1.9	4,198,106	4,371,479	4.1
November	425,075	436,519	2.7	4,623,181	4,807,998	4.0
December	465,574	460,585	-1.1	5,088,755	5,268,583	3.5
Mozzarella						
January	341,435	336,865	-1.3	341,435	336,865	-1.3
February	304,907	332,553	9.1	646,342	669,418	3.6
March	342,753	359,034	4.8	989,095	1,028,452	4.0
April	331,378	340,847	2.9	1,320,473	1,369,299	3.7
May	331,276	345,427	4.3	1,651,749	1,714,726	3.8
June	331,891	339,659	2.3	1,983,640	2,054,385	3.6
July	339,588	348,503	2.6	2,323,228	2,402,888	3.4
August	315,163	328,638	4.3	2,638,391	2,731,526	3.5
September	317,118	334,566	5.5	2,955,509	3,066,092	3.7
October	342,127	344,404	0.7	3,297,636	3,410,496	3.4
November	333,437	338,781	1.6	3,631,073	3,749,277	3.3
December	364,737	360,292	-1.2	3,995,810	4,109,569	2.8
Other Italian cheese types						
January	6,087	6,117	0.5	6,087	6,117	0.5
February	6,153	5,777	-6.1	12,240	11,894	-2.8
March	7,506	5,994	-20.1	19,746	17,888	-9.4
April	6,916	5,376	-22.3	26,662	23,264	-12.7
May	6,481	6,250	-3.6	33,143	29,514	-10.9
June	6,297	5,778	-8.2	39,440	35,292	-10.5
July	5,692	5,296	-7.0	45,132	40,588	-10.1
August	6,130	4,958	-19.1	51,262	45,546	-11.2
September	5,560	6,032	8.5	56,822	51,578	-9.2
October	6,746	6,558	-2.8	63,568	58,136	-8.5
November	6,312	6,493	2.9	69,880	64,629	-7.5
December	6,435	7,064	9.8	76,315	71,693	-6.1

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2015 and 2016

Product and month	By month			Cumulative		
	2015	2016	Change from 2015	2015	2016	Change from 2015
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	173,637	175,654	1.2	173,637	175,654	1.2
February	155,979	174,353	11.8	329,616	350,007	6.2
March	167,503	182,126	8.7	497,119	532,133	7.0
April	165,472	176,453	6.6	662,591	708,586	6.9
May	169,429	170,015	0.3	832,020	878,601	5.6
June	143,714	151,244	5.2	975,734	1,029,845	5.5
July	135,525	144,019	6.3	1,111,259	1,173,864	5.6
August	128,091	130,057	1.5	1,239,350	1,303,921	5.2
September	133,659	135,346	1.3	1,373,009	1,439,267	4.8
October	148,424	141,606	-4.6	1,521,433	1,580,873	3.9
November	152,329	144,580	-5.1	1,673,762	1,725,453	3.1
December	175,556	163,757	-6.7	1,849,318	1,889,210	2.2
Nonfat dry milk, human						
January	167,699	137,046	-18.3	167,699	137,046	-18.3
February	150,953	140,225	-7.1	318,652	277,271	-13.0
March	180,815	172,009	-4.9	499,467	449,280	-10.0
April	180,768	169,349	-6.3	680,235	618,629	-9.1
May	180,001	166,026	-7.8	860,236	784,655	-8.8
June	165,441	146,017	-11.7	1,025,677	930,672	-9.3
July	155,245	150,889	-2.8	1,180,922	1,081,561	-8.4
August	123,885	117,657	-5.0	1,304,807	1,199,218	-8.1
September	119,947	125,797	4.9	1,424,754	1,325,015	-7.0
October	118,358	140,792	19.0	1,543,112	1,465,807	-5.0
November	127,928	128,166	0.2	1,671,040	1,593,973	-4.6
December	151,143	156,043	3.2	1,822,183	1,750,016	-4.0
Skim milk powders ²						
January	41,107	51,243	24.7	41,107	51,243	24.7
February	33,320	40,201	20.7	74,427	91,444	22.9
March	39,442	40,564	2.8	113,869	132,008	15.9
April	33,099	43,189	30.5	146,968	175,197	19.2
May	35,538	50,865	43.1	182,506	226,062	23.9
June	34,676	55,312	59.5	217,182	281,374	29.6
July	34,882	48,814	39.9	252,064	330,188	31.0
August	39,288	46,426	18.2	291,352	376,614	29.3
September	26,837	38,447	43.3	318,189	415,061	30.4
October	39,723	41,475	4.4	357,912	456,536	27.6
November	44,940	50,112	11.5	402,852	506,648	25.8
December	43,472	51,615	18.7	446,324	558,263	25.1

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2015 and 2016

Product and month	By month			Cumulative		
	2015	2016	Change from 2015	2015	2016	Change from 2015
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ³						
January	76,418	83,281	9.0	76,418	83,281	9.0
February	76,735	75,459	-1.7	153,153	158,740	3.6
March	86,928	82,941	-4.6	240,081	241,681	0.7
April	78,079	82,348	5.5	318,160	324,029	1.8
May	79,396	82,046	3.3	397,556	406,075	2.1
June	85,761	80,134	-6.6	483,317	486,209	0.6
July	81,691	82,354	0.8	565,008	568,563	0.6
August	82,744	76,396	-7.7	647,752	644,959	-0.4
September	79,247	75,864	-4.3	726,999	720,823	-0.8
October	77,108	83,967	8.9	804,107	804,790	0.1
November	79,012	72,893	-7.7	883,119	877,683	-0.6
December	91,786	79,610	-13.3	974,905	957,293	-1.8
Lactose, human and animal						
January	90,148	84,602	-6.2	90,148	84,602	-6.2
February	80,505	83,897	4.2	170,653	168,499	-1.3
March	92,896	92,710	-0.2	263,549	261,209	-0.9
April	88,352	87,962	-0.4	351,901	349,171	-0.8
May	88,285	91,631	3.8	440,186	440,802	0.1
June	89,945	93,756	4.2	530,131	534,558	0.8
July	90,326	97,715	8.2	620,457	632,273	1.9
August	86,557	92,209	6.5	707,014	724,482	2.5
September	85,084	94,699	11.3	792,098	819,181	3.4
October	83,126	89,280	7.4	875,224	908,461	3.8
November	82,460	87,250	5.8	957,684	995,711	4.0
December	91,094	93,402	2.5	1,048,778	1,089,113	3.8
Whey protein concentrate, total						
January	43,826	39,051	-10.9	43,826	39,051	-10.9
February	38,516	36,775	-4.5	82,342	75,826	-7.9
March	42,131	39,232	-6.9	124,473	115,058	-7.6
April	42,622	36,808	-13.6	167,095	151,866	-9.1
May	43,898	37,992	-13.5	210,993	189,858	-10.0
June	39,008	36,983	-5.2	250,001	226,841	-9.3
July	41,723	36,664	-12.1	291,724	263,505	-9.7
August	39,564	34,337	-13.2	331,288	297,842	-10.1
September	37,440	35,343	-5.6	368,728	333,185	-9.6
October	42,076	36,194	-14.0	410,804	369,379	-10.1
November	41,302	37,479	-9.3	452,106	406,858	-10.0
December	42,299	36,877	-12.8	494,405	443,735	-10.2

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2015 and 2016

Product and month	By month			Cumulative		
	2015	2016	Change from 2015	2015	2016	Change from 2015
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	24,103	23,777	-1.4	24,103	23,777	-1.4
February	25,188	25,233	0.2	49,291	49,010	-0.6
March	26,991	28,607	6.0	76,282	77,617	1.8
April	25,811	26,717	3.5	102,093	104,334	2.2
May	26,281	27,985	6.5	128,374	132,319	3.1
June	27,179	27,852	2.5	155,553	160,171	3.0
July	28,791	26,482	-8.0	184,344	186,653	1.3
August	27,810	28,855	3.8	212,154	215,508	1.6
September	27,369	27,410	0.1	239,523	242,918	1.4
October	27,130	26,651	-1.8	266,653	269,569	1.1
November	24,212	25,510	5.4	290,865	295,079	1.4
December	26,663	25,868	-3.0	317,528	320,947	1.1
Cottage cheese, lowfat						
January	28,993	28,610	-1.3	28,993	28,610	-1.3
February	28,913	28,708	-0.7	57,906	57,318	-1.0
March	32,157	34,290	6.6	90,063	91,608	1.7
April	29,848	30,499	2.2	119,911	122,107	1.8
May	29,920	31,902	6.6	149,831	154,009	2.8
June	32,113	30,459	-5.2	181,944	184,468	1.4
July	31,483	29,912	-5.0	213,427	214,380	0.4
August	31,377	31,646	0.9	244,804	246,026	0.5
September	31,918	30,221	-5.3	276,722	276,247	-0.2
October	29,543	29,870	1.1	306,265	306,117	-0.05
November	26,652	28,515	7.0	332,917	334,632	0.5
December	30,088	27,592	-8.3	363,005	362,224	-0.2
Sour cream						
January	109,699	102,931	-6.2	109,699	102,931	-6.2
February	96,386	103,420	7.3	206,085	206,351	0.1
March	110,976	116,668	5.1	317,061	323,019	1.9
April	103,658	102,123	-1.5	420,719	425,142	1.1
May	104,420	113,759	8.9	525,139	538,901	2.6
June	110,834	119,715	8.0	635,973	658,616	3.6
July	105,243	104,836	-0.4	741,216	763,452	3.0
August	107,410	116,521	8.5	848,626	879,973	3.7
September	106,825	109,965	2.9	955,451	989,938	3.6
October	119,063	125,142	5.1	1,074,514	1,115,080	3.8
November	123,532	133,949	8.4	1,198,046	1,249,029	4.3
December	118,408	130,599	10.3	1,316,454	1,379,628	4.8

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2015 and 2016

Product and month	By month			Cumulative		
	2015	2016	Change from 2015	2015	2016	Change from 2015
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	57,106	57,066	-0.1	57,106	57,066	-0.1
February	59,797	60,423	1.0	116,903	117,489	0.5
March	71,808	71,024	-1.1	188,711	188,513	-0.1
April	68,771	71,328	3.7	257,482	259,841	0.9
May	65,517	71,903	9.7	322,999	331,744	2.7
June	72,534	76,135	5.0	395,533	407,879	3.1
July	72,356	69,600	-3.8	467,889	477,479	2.0
August	69,503	70,965	2.1	537,392	548,444	2.1
September	65,391	62,326	-4.7	602,783	610,770	1.3
October	63,356	59,783	-5.6	666,139	670,553	0.7
November	54,953	52,324	-4.8	721,092	722,877	0.2
December	56,472	50,263	-11.0	777,564	773,140	-0.6
Ice cream, lowfat total						
January	29,598	25,723	-13.1	29,598	25,723	-13.1
February	31,465	31,137	-1.0	61,063	56,860	-6.9
March	38,086	40,926	7.5	99,149	97,786	-1.4
April	39,693	39,789	0.2	138,842	137,575	-0.9
May	41,140	40,290	-2.1	179,982	177,865	-1.2
June	46,491	42,259	-9.1	226,473	220,124	-2.8
July	43,126	41,608	-3.5	269,599	261,732	-2.9
August	42,556	44,432	4.4	312,155	306,164	-1.9
September	35,441	34,645	-2.2	347,596	340,809	-2.0
October	31,918	31,422	-1.6	379,514	372,231	-1.9
November	26,788	27,649	3.2	406,302	399,880	-1.6
December	25,399	25,582	0.7	431,701	425,462	-1.4
Sherbet, hard						
January	2,982	2,461	-17.5	2,982	2,461	-17.5
February	3,225	3,200	-0.8	6,207	5,661	-8.8
March	3,989	3,726	-6.6	10,196	9,387	-7.9
April	3,527	3,567	1.1	13,723	12,954	-5.6
May	3,739	3,484	-6.8	17,462	16,438	-5.9
June	3,875	3,597	-7.2	21,337	20,035	-6.1
July	3,766	3,229	-14.3	25,103	23,264	-7.3
August	3,553	3,120	-12.2	28,656	26,384	-7.9
September	3,407	3,229	-5.2	32,063	29,613	-7.6
October	2,927	2,517	-14.0	34,990	32,130	-8.2
November	2,531	1,959	-22.6	37,521	34,089	-9.1
December	2,178	2,143	-1.6	39,699	36,232	-8.7

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2015 and 2016

Product and month	By month			Cumulative		
	2015	2016	Change from 2015	2015	2016	Change from 2015
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	370,650	394,767	6.5	370,650	394,767	6.5
February	419,288	396,799	-5.4	789,938	791,566	0.2
March	436,581	421,450	-3.5	1,226,519	1,213,016	-1.1
April	384,158	392,006	2.0	1,610,677	1,605,022	-0.4
May	396,737	380,186	-4.2	2,007,414	1,985,208	-1.1
June	395,772	397,126	0.3	2,403,186	2,382,334	-0.9
July	388,817	361,949	-6.9	2,792,003	2,744,283	-1.7
August	401,818	419,109	4.3	3,193,821	3,163,392	-1.0
September	445,270	436,390	-2.0	3,639,091	3,599,782	-1.1
October	387,836	381,021	-1.8	4,026,927	3,980,803	-1.1
November	347,738	327,942	-5.7	4,374,665	4,308,745	-1.5
December	367,422	376,718	2.5	4,742,087	4,685,463	-1.2
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	4,699	4,125	-12.2	4,699	4,125	-12.2
February	5,614	5,377	-4.2	10,313	9,502	-7.9
March	6,283	6,079	-3.2	16,596	15,581	-6.1
April	7,000	6,281	-10.3	23,596	21,862	-7.3
May	5,827	5,755	-1.2	29,423	27,617	-6.1
June	7,069	6,320	-10.6	36,492	33,937	-7.0
July	6,616	6,004	-9.3	43,108	39,941	-7.3
August	5,891	5,926	0.6	48,999	45,867	-6.4
September	5,673	5,213	-8.1	54,672	51,080	-6.6
October	5,543	5,167	-6.8	60,215	56,247	-6.6
November	4,496	4,627	2.9	64,711	60,874	-5.9
December	4,004	4,347	8.6	68,715	65,221	-5.1

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:
December 2015 and 2016**

State	December 2015	November 2016	December 2016	Change from	
				December 2015	November 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	216,668	209,340	216,750	-	3.5
Idaho	83,273	74,256	81,748	-1.8	10.1
Illinois	6,835	6,974	7,156	4.7	2.6
Iowa	20,056	21,574	19,742	-1.6	-8.5
Minnesota	59,665	53,801	57,654	-3.4	7.2
New Jersey	5,397	4,853	5,515	2.2	13.6
New Mexico	63,290	65,488	68,165	7.7	4.1
New York	70,242	78,077	72,551	3.3	-7.1
Ohio	19,405	18,112	19,815	2.1	9.4
Pennsylvania	33,775	34,773	33,609	-0.5	-3.3
South Dakota	22,898	24,583	25,253	10.3	2.7
Vermont	11,607	12,170	12,202	5.1	0.3
Wisconsin	273,028	266,506	271,250	-0.7	1.8
Other States ¹	150,177	149,302	158,871	5.8	6.4
United States	1,036,316	1,019,809	1,050,281	1.3	3.0
Atlantic	128,210	136,998	131,307	2.4	-4.2
Central	465,378	456,493	470,637	1.1	3.1
West	442,728	426,318	448,337	1.3	5.2

- Represents zero.

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

American Cheese Production – States and United States: December 2015 and 2016

State	December 2015	November 2016	December 2016	Change from	
				December 2015	November 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	55,511	53,211	57,363	3.3	7.8
Idaho	49,844	50,388	50,853	2.0	0.9
Iowa	11,951	14,591	14,048	17.5	-3.7
New York	11,592	10,765	11,563	-0.3	7.4
Oregon	17,699	16,297	16,830	-4.9	3.3
Pennsylvania	89	80	91	2.2	13.8
Wisconsin	80,349	75,861	79,000	-1.7	4.1
Other States ¹	173,129	174,397	185,980	7.4	6.6
United States	400,164	395,590	415,728	3.9	5.1
Atlantic	25,595	24,792	26,489	3.5	6.8
Central	193,992	191,380	201,292	3.8	5.2
West	180,577	179,418	187,947	4.1	4.8

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

Cheddar Cheese Production – States and United States: December 2015 and 2016

State	December 2015	November 2016	December 2016	Change from	
				December 2015	November 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	31,914	28,234	33,596	5.3	19.0
Idaho	40,208	39,083	40,640	1.1	4.0
Iowa	7,358	8,375	9,141	24.2	9.1
Minnesota	45,280	41,577	45,116	-0.4	8.5
Vermont	7,681	8,186	8,738	13.8	6.7
Wisconsin	54,899	50,458	54,300	-1.1	7.6
Other States ¹	105,617	106,533	111,536	5.6	4.7
United States	292,957	282,446	303,067	3.5	7.3
Atlantic	24,508	24,174	25,490	4.0	5.4
Central	136,071	132,069	140,005	2.9	6.0
West	132,378	126,203	137,572	3.9	9.0

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

Total Italian Cheese Production – States and United States: December 2015 and 2016

State	December 2015	November 2016	December 2016	Change from	
				December 2015	November 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	143,822	135,368	141,648	-1.5	4.6
Idaho	27,266	17,220	24,897	-8.7	44.6
New York	33,065	32,138	31,807	-3.8	-1.0
Pennsylvania	21,840	20,705	21,891	0.2	5.7
Wisconsin	139,389	136,835	142,288	2.1	4.0
Other States ¹	100,192	94,253	98,054	-2.1	4.0
United States	465,574	436,519	460,585	-1.1	5.5
Atlantic	60,315	57,833	59,026	-2.1	2.1
Central	184,098	176,745	182,579	-0.8	3.3
West	221,161	201,941	218,980	-1.0	8.4

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

Mozzarella Cheese Production – States and United States: December 2015 and 2016

State	December 2015	November 2016	December 2016	Change from	
				December 2015	November 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	130,140	125,234	130,477	0.3	4.2
Idaho	25,757	16,293	23,189	-10.0	42.3
New York	17,082	15,526	17,501	2.5	12.7
Pennsylvania	18,917	17,730	18,963	0.2	7.0
Wisconsin	96,297	88,937	93,200	-3.2	4.8
Other States ¹	76,544	75,061	76,962	0.5	2.5
United States	364,737	338,781	360,292	-1.2	6.3
Atlantic	38,128	35,575	38,528	1.0	8.3
Central	122,295	114,163	117,328	-4.1	2.8
West	204,314	189,043	204,436	0.1	8.1

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

Butter Production – States and United States: December 2015 and 2016

State	December 2015	November 2016	December 2016	Change from	
				December 2015	November 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	51,441	42,374	50,428	-2.0	19.0
New York	2,658	1,584	2,814	5.9	77.7
Pennsylvania	8,920	8,195	9,189	3.0	12.1
Other States ¹	112,537	92,427	101,326	-10.0	9.6
United States	175,556	144,580	163,757	-6.7	13.3
Atlantic	18,545	14,344	18,022	-2.8	25.6
Central	70,631	60,710	66,593	-5.7	9.7
West	86,380	69,526	79,142	-8.4	13.8

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

Nonfat Dry Milk (Human) Production – States and United States: December 2015 and 2016

State	December 2015	November 2016	December 2016	Change from	
				December 2015	November 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	53,053	38,590	53,415	0.7	38.4
Pennsylvania	15,771	15,156	15,514	-1.6	2.4
Other States ¹	82,319	74,420	87,114	5.8	17.1
United States	151,143	128,166	156,043	3.2	21.8
Atlantic	30,416	26,368	29,414	-3.3	11.6
Central	29,170	29,497	32,081	10.0	8.8
West	91,557	72,301	94,548	3.3	30.8

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

Dry Whey (Human) Production – States and United States: December 2015 and 2016

State	December 2015	November 2016	December 2016	Change from	
				December 2015	November 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	12,604	12,541	12,724	1.0	1.5
Wisconsin	27,067	24,826	27,493	1.6	10.7
Other States ¹	50,326	33,110	37,848	-24.8	14.3
United States	89,997	70,477	78,065	-13.3	10.8
Atlantic	22,277	20,991	21,916	-1.6	4.4
Central	36,432	35,255	39,345	8.0	11.6
West	31,288	14,231	16,804	-46.3	18.1

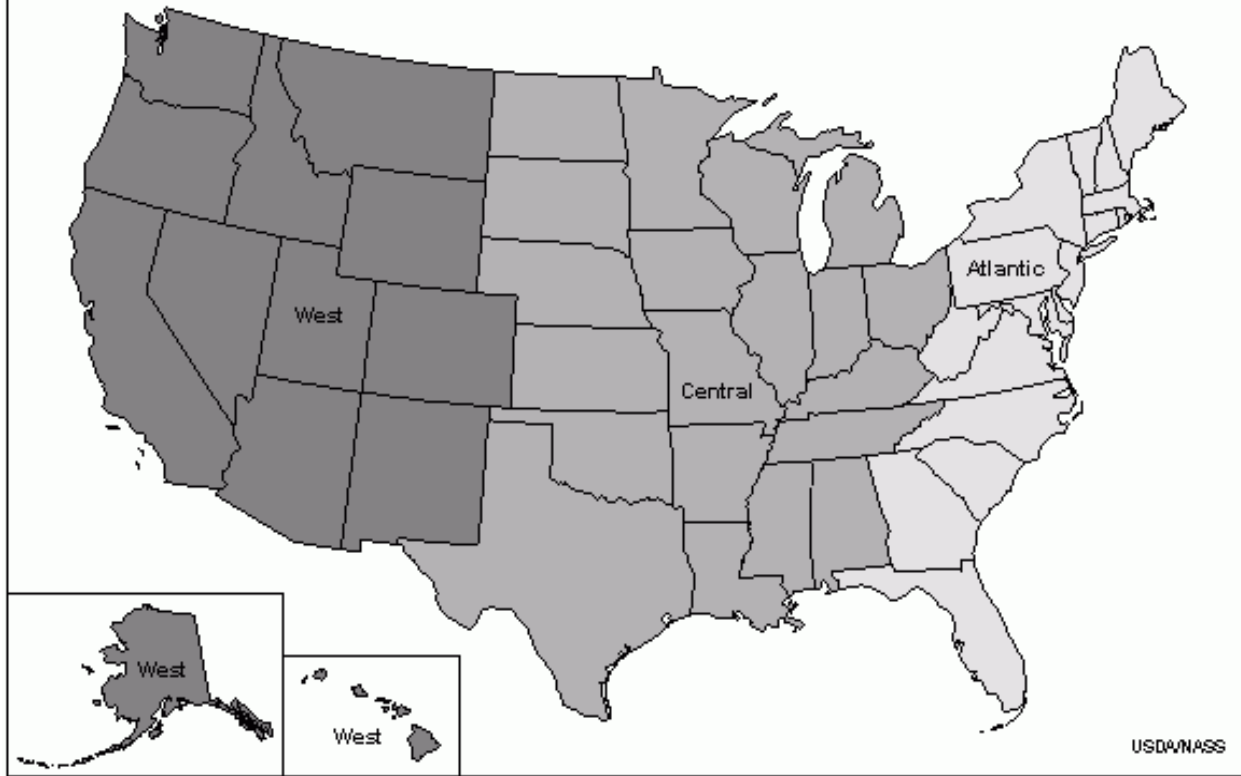
¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Ice Cream, Regular (Hard) Production – States and United States: December 2015 and 2016

State	December 2015	November 2016	December 2016	Change from	
				December 2015	November 2016
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	10,210	6,651	6,219	-39.1	-6.5
Connecticut	932	864	686	-26.4	-20.6
Missouri	1,619	1,211	699	-56.8	-42.3
Ohio	1,708	2,035	1,600	-6.3	-21.4
Oregon	925	880	981	6.1	11.5
Pennsylvania	3,544	3,574	3,831	8.1	7.2
Wisconsin	1,089	1,267	1,189	9.2	-6.2
Other States ¹	36,445	35,842	35,058	-3.8	-2.2
United States	56,472	52,324	50,263	-11.0	-3.9
Atlantic	11,824	13,711	11,970	1.2	-12.7
Central	29,890	27,012	27,205	-9.0	0.7
West	14,758	11,601	11,088	-24.9	-4.4

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

Dairy Products Regions



Statistical Methodology

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 2015, there were 1,267 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 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 as defined in Public Laws 106-532 and 107-171 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 Regional Field Office (RFO), 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 RFO summarizes data at the Individual 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 RFO and ASB review, plants are sometimes contacted again for further verification of numbers reported. After ASB review, RFO 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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