



Dairy Products

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August 2016 Highlights

Total cheese output (excluding cottage cheese) was 990 million pounds, 1.2 percent above August 2015 but 2.2 percent below July 2016.

Italian type cheese production totaled 422 million pounds, 5.0 percent above August 2015 but 4.7 percent below July 2016.

American type cheese production totaled 389 million pounds, 1.4 percent below August 2015 and 2.4 percent below July 2016.

Butter production was 129 million pounds, 0.7 percent above August 2015 but 10.4 percent below July 2016.

Dry milk powders (comparisons with August 2015)

Nonfat dry milk, human - 117 million pounds, down 5.8 percent.

Skim milk powders - 46.1 million pounds, up 17.2 percent.

Whey products (comparisons with August 2015)

Dry whey, total - 75.8 million pounds, down 8.4 percent.

Lactose, human and animal - 92.1 million pounds, up 6.5 percent.

Whey protein concentrate, total - 34.2 million pounds, down 13.7 percent.

Frozen products (comparisons with August 2015)

Ice cream, regular (hard) - 70.5 million gallons, up 1.4 percent.

Ice cream, lowfat (total) - 44.3 million gallons, up 4.0 percent.

Sherbet (hard) - 3.11 million gallons, down 12.4 percent.

Frozen yogurt (total) - 5.92 million gallons, up 0.4 percent.

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

Product	August 2015	July 2016	August 2016	Change from	
				August 2015	July 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	128,091	144,019	129,035	0.7	-10.4
Cheese					
American types ¹	394,944	398,996	389,368	-1.4	-2.4
Cheddar	279,375	281,801	279,353	-	-0.9
Other American types	115,569	117,195	110,015	-4.8	-6.1
Blue and Gorgonzola	7,728	7,387	7,485	-3.1	1.3
Brick and Muenster	14,663	16,709	14,949	2.0	-10.5
Cream and Neufchatel	82,070	69,963	78,258	-4.6	11.9
Feta	9,291	10,217	10,341	11.3	1.2
Gouda	5,231	4,071	5,554	6.2	36.4
Hispanic	20,804	21,634	21,750	4.5	0.5
Italian types	402,279	443,092	422,443	5.0	-4.7
Mozzarella	315,163	348,503	329,058	4.4	-5.6
Parmesan	25,167	35,103	31,447	25.0	-10.4
Provolone	32,387	33,846	33,718	4.1	-0.4
Ricotta	19,512	15,756	19,514	-	23.9
Romano	3,920	4,588	3,851	-1.8	-16.1
Other Italian types	6,130	5,296	4,855	-20.8	-8.3
Swiss	26,168	27,074	25,340	-3.2	-6.4
All other types	14,999	13,383	14,481	-3.5	8.2
Total cheese	978,177	1,012,526	989,969	1.2	-2.2
Cottage cheese, curd ²	33,813	33,345	35,557	5.2	6.6
Cottage cheese, cream ³	27,810	26,482	28,336	1.9	7.0
Cottage cheese, lowfat ⁴	31,377	29,912	31,457	0.3	5.2
Sour cream	107,410	104,836	114,583	6.7	9.3
Yogurt, plain and flavored	401,818	361,949	416,264	3.6	15.0
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	69,503	69,600	70,470	1.4	1.3
Ice cream, lowfat, hard	20,809	17,394	19,210	-7.7	10.4
Ice cream, lowfat, soft	21,747	24,214	25,044	15.2	3.4
Ice cream, lowfat, total	42,556	41,608	44,254	4.0	6.4
Ice cream, nonfat, hard	575	526	578	0.5	9.9
Sherbet, hard	3,553	3,229	3,111	-12.4	-3.7
Frozen yogurt, total	5,891	6,004	5,917	0.4	-1.4
Regular and lowfat, hard	2,159	1,951	2,104	-2.5	7.8
Nonfat, hard	421	499	502	19.2	0.6
Other frozen dairy products	1,321	965	1,115	-15.6	15.5
Water and juice ices	6,597	6,965	6,565	-0.5	-5.7
Mix for frozen products					
Ice cream, regular, mix	41,906	42,418	42,488	1.4	0.2
Ice cream, lowfat, mix	24,589	23,654	25,107	2.1	6.1
Ice cream, nonfat, mix	580	553	587	1.2	6.1
Sherbet mix	2,447	2,172	2,094	-14.4	-3.6
Yogurt mix	3,294	3,538	3,610	9.6	2.0

- Represents zero.

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:
August 2015 and 2016**

Product	August 2015	July 2016	August 2016	Change from	
				August 2015	July 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	10,885	12,186	11,685	7.3	-4.1
Dry whey products					
Dry whey, human	81,728	80,130	73,328	-10.3	-8.5
Dry whey, animal	1,016	2,224	2,471	143.2	11.1
Dry whey, total	82,744	82,354	75,799	-8.4	-8.0
Reduced lactose and minerals					
Human	2,724	1,935	2,705	-0.7	39.8
Animal	2,406	2,743	2,370	-1.5	-13.6
Whey protein concentrate					
Human ²	39,010	36,398	33,963	-12.9	-6.7
Animal ²	554	266	197	-64.4	-25.9
Total ²	39,564	36,664	34,160	-13.7	-6.8
25.0-49.9 percent ³	17,419	14,918	13,520	-22.4	-9.4
50.0-89.9 percent ³	22,145	21,746	20,640	-6.8	-5.1
Whey protein isolates ⁴	9,045	8,964	8,385	-7.3	-6.5
Lactose, human and animal	86,557	97,715	92,141	6.5	-5.7
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	81,163	69,448	59,463	-26.7	-14.4
Dry whey, animal	2,687	1,479	1,186	-55.9	-19.8
Dry whey, total	83,850	70,927	60,649	-27.7	-14.5
Reduced Lactose and minerals					
Human and animal ⁶	10,030	7,242	7,653	-23.7	5.7
Whey protein concentrate					
Human ²	78,000	55,451	57,686	-26.0	4.0
Animal ²	637	607	455	-28.6	-25.0
Total ²	78,637	56,058	58,141	-26.1	3.7
25.0-49.9 percent ³	36,302	20,930	20,679	-43.0	-1.2
50.0-89.9 percent ³	42,335	35,128	37,462	-11.5	6.6
Whey protein isolates ⁴	13,891	18,062	16,711	20.3	-7.5
Lactose, human and animal	125,323	117,023	119,011	-5.0	1.7
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	19.0	19.9	11.8	-7.3	-8.1

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:
August 2015 and 2016**

Product	August 2015	July 2016	August 2016	Change from	
				August 2015	July 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	155,628	155,222	138,238	-11.2	-10.9
Dry milk products					
Dry buttermilk, total	6,461	7,285	6,773	4.8	-7.0
Dry skim milk, animal	715	704	990	38.5	40.6
Dry whole milk	6,789	8,334	7,736	13.9	-7.2
Milk protein concentrate, total ¹	9,968	12,006	9,835	-1.3	-18.1
Nonfat dry milk, human	123,885	150,889	116,704	-5.8	-22.7
Skim milk powder, total ²	39,288	48,814	46,064	17.2	-5.6
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	12,053	18,618	16,167	34.1	-13.2
Dry skim milk, animal	2,154	2,289	2,106	-2.2	-8.0
Dry whole milk	19,633	14,011	13,707	-30.2	-2.2
Nonfat dry milk, human	231,140	256,658	234,695	1.5	-8.6
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	155,021	120,175	133,070	-14.2	10.7

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

[Blank data cells indicate estimation period has not yet begun]

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	989,969	1.2	7,824,053	7,970,411	1.9
September	966,057			8,790,110		
October	1,027,279			9,817,389		
November	984,720			10,802,109		
December	1,036,316			11,838,425		
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	389,368	-1.4	3,142,584	3,140,545	-0.1
September	379,532			3,522,116		
October	392,516			3,914,632		
November	380,090			4,294,722		
December	400,164			4,694,886		
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	279,353		2,284,122	2,264,773	-0.8
September	271,528			2,555,650		
October	278,831			2,834,481		
November	266,026			3,100,507		
December	292,957			3,393,464		

See footnote(s) at end of table.

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

[Blank data cells indicate estimation period has not yet begun]

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	422,443	5.0	3,357,316	3,495,175	4.1
September	403,028			3,760,344		
October	437,762			4,198,106		
November	425,075			4,623,181		
December	465,574			5,088,755		
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	329,058	4.4	2,638,391	2,731,946	3.5
September	317,118			2,955,509		
October	342,127			3,297,636		
November	333,437			3,631,073		
December	364,737			3,995,810		
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	4,855	-20.8	51,262	45,443	-11.4
September	5,560			56,822		
October	6,746			63,568		
November	6,312			69,880		
December	6,435			76,315		

See footnote(s) at end of table.

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

[Blank data cells indicate estimation period has not yet begun]

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	129,035	0.7	1,239,350	1,302,899	5.1
September	133,659			1,373,009		
October	148,424			1,521,433		
November	152,329			1,673,762		
December	175,556			1,849,318		
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	116,704	-5.8	1,304,807	1,198,265	-8.2
September	119,947			1,424,754		
October	118,358			1,543,112		
November	127,928			1,671,040		
December	151,143			1,822,183		
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	46,064	17.2	291,352	376,252	29.1
September	26,837			318,189		
October	39,723			357,912		
November	44,940			402,852		
December	43,472			446,324		

See footnote(s) at end of table.

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

[Blank data cells indicate estimation period has not yet begun]

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	75,799	-8.4	647,752	644,362	-0.5
September	79,247			726,999		
October	77,108			804,107		
November	79,012			883,119		
December	91,786			974,905		
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	92,141	6.5	707,014	724,414	2.5
September	85,084			792,098		
October	83,126			875,224		
November	82,460			957,684		
December	91,094			1,048,778		
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	34,160	-13.7	331,288	297,665	-10.1
September	37,440			368,728		
October	42,076			410,804		
November	41,302			452,106		
December	42,299			494,405		

See footnote(s) at end of table.

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

[Blank data cells indicate estimation period has not yet begun]

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	28,336	1.9	212,154	214,989	1.3
September	27,369			239,523		
October	27,130			266,653		
November	24,212			290,865		
December	26,663			317,528		
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	31,457	0.3	244,804	245,837	0.4
September	31,918			276,722		
October	29,543			306,265		
November	26,652			332,917		
December	30,088			363,005		
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	114,583	6.7	848,626	878,035	3.5
September	106,825			955,451		
October	119,063			1,074,514		
November	123,532			1,198,046		
December	118,408			1,316,454		

See footnote(s) at end of table.

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

[Blank data cells indicate estimation period has not yet begun]

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	70,470	1.4	537,392	547,949	2.0
September	65,391			602,783		
October	63,356			666,139		
November	54,953			721,092		
December	56,472			777,564		
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	44,254	4.0	312,155	305,986	-2.0
September	35,441			347,596		
October	31,918			379,514		
November	26,788			406,302		
December	25,399			431,701		
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	3,111	-12.4	28,656	26,375	-8.0
September	3,407			32,063		
October	2,927			34,990		
November	2,531			37,521		
December	2,178			39,699		

See footnote(s) at end of table.

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

[Blank data cells indicate estimation period has not yet begun]

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	416,264	3.6	3,193,821	3,160,547	-1.0
September	445,270			3,639,091		
October	387,836			4,026,927		
November	347,738			4,374,665		
December	367,422			4,742,087		
	(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	5,917	0.4	48,999	45,858	-6.4
September	5,673			54,672		
October	5,543			60,215		
November	4,496			64,711		
December	4,004			68,715		

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: August 2015 and 2016

State	August 2015	July 2016	August 2016	Change from	
				August 2015	July 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	190,886	214,156	205,478	7.6	-4.1
Idaho	79,045	82,921	78,164	-1.1	-5.7
Illinois	6,326	6,470	6,775	7.1	4.7
Iowa	19,767	22,836	20,768	5.1	-9.1
Minnesota	55,771	54,731	52,710	-5.5	-3.7
New Jersey	4,880	4,980	4,872	-0.2	-2.2
New Mexico	60,551	65,758	61,712	1.9	-6.2
New York	70,984	62,916	65,109	-8.3	3.5
Ohio	17,618	16,854	18,700	6.1	11.0
Pennsylvania	34,157	33,710	33,422	-2.2	-0.9
South Dakota	22,848	23,646	21,829	-4.5	-7.7
Vermont	11,314	10,629	11,422	1.0	7.5
Wisconsin	254,226	266,567	259,847	2.2	-2.5
Other States ¹	149,804	146,352	149,161	-0.4	1.9
United States	978,177	1,012,526	989,969	1.2	-2.2
Atlantic	128,385	119,018	121,578	-5.3	2.2
Central	440,384	454,052	446,436	1.4	-1.7
West	409,408	439,456	421,955	3.1	-4.0

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

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

State	August 2015	July 2016	August 2016	Change from	
				August 2015	July 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	54,276	53,547	55,616	2.5	3.9
Idaho	54,581	53,213	52,756	-3.3	-0.9
Iowa	11,620	14,124	13,757	18.4	-2.6
New York	11,112	10,853	10,668	-4.0	-1.7
Oregon	16,218	16,241	16,327	0.7	0.5
Pennsylvania	80	75	79	-1.3	5.3
Wisconsin	73,716	77,968	71,600	-2.9	-8.2
Other States ¹	173,341	172,975	168,565	-2.8	-2.5
United States	394,944	398,996	389,368	-1.4	-2.4
Atlantic	24,237	24,105	23,986	-1.0	-0.5
Central	185,715	188,795	180,336	-2.9	-4.5
West	184,992	186,096	185,046	-	-0.6

- Represents zero.

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

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

State	August 2015	July 2016	August 2016	Change from	
				August 2015	July 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	27,290	27,253	30,277	10.9	11.1
Idaho	41,367	43,062	41,646	0.7	-3.3
Iowa	8,050	8,321	8,535	6.0	2.6
Minnesota	44,858	39,218	40,244	-10.3	2.6
Vermont	7,375	7,456	7,504	1.7	0.6
Wisconsin	49,223	52,028	48,000	-2.5	-7.7
Other States ¹	101,212	104,463	103,147	1.9	-1.3
United States	279,375	281,801	279,353	-	-0.9
Atlantic	23,195	23,218	23,031	-0.7	-0.8
Central	130,813	127,474	124,179	-5.1	-2.6
West	125,367	131,109	132,143	5.4	0.8

- Represents zero.

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: August 2015 and 2016

State	August 2015	July 2016	August 2016	Change from	
				August 2015	July 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	119,256	140,617	130,982	9.8	-6.9
Idaho	18,331	22,289	19,394	5.8	-13.0
New York	29,586	28,093	28,801	-2.7	2.5
Pennsylvania	20,890	21,884	19,529	-6.5	-10.8
Wisconsin	127,894	136,593	134,737	5.4	-1.4
Other States ¹	86,322	93,616	89,000	3.1	-4.9
United States	402,279	443,092	422,443	5.0	-4.7
Atlantic	55,420	54,803	53,207	-4.0	-2.9
Central	165,161	178,024	175,081	6.0	-1.7
West	181,698	210,265	194,155	6.9	-7.7

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

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

State	August 2015	July 2016	August 2016	Change from	
				August 2015	July 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	108,268	126,736	119,182	10.1	-6.0
Idaho	16,775	20,931	18,209	8.5	-13.0
New York	16,040	16,388	16,349	1.9	-0.2
Pennsylvania	17,683	19,171	16,357	-7.5	-14.7
Wisconsin	88,641	94,854	91,400	3.1	-3.6
Other States ¹	67,756	70,423	67,561	-0.3	-4.1
United States	315,163	348,503	329,058	4.4	-5.6
Atlantic	36,405	38,347	35,188	-3.3	-8.2
Central	111,203	116,781	114,396	2.9	-2.0
West	167,555	193,375	179,474	7.1	-7.2

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

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

State	August 2015	July 2016	August 2016	Change from	
				August 2015	July 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	40,833	43,446	38,221	-6.4	-12.0
New York	1,111	1,504	1,084	-2.4	-27.9
Pennsylvania	4,898	7,898	3,889	-20.6	-50.8
Other States ¹	81,249	91,171	85,841	5.7	-5.8
United States	128,091	144,019	129,035	0.7	-10.4
Atlantic	8,821	11,313	8,062	-8.6	-28.7
Central	50,136	53,919	50,620	1.0	-6.1
West	69,134	78,787	70,353	1.8	-10.7

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: August 2015 and 2016

State	August 2015	July 2016	August 2016	Change from	
				August 2015	July 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	44,767	44,664	30,552	-31.8	-31.6
Pennsylvania	11,617	15,913	13,164	13.3	-17.3
Other States ¹	67,501	90,312	72,988	8.1	-19.2
United States	123,885	150,889	116,704	-5.8	-22.7
Atlantic	23,975	30,158	23,860	-0.5	-20.9
Central	21,049	26,673	21,979	4.4	-17.6
West	78,861	94,058	70,865	-10.1	-24.7

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: August 2015 and 2016

State	August 2015	July 2016	August 2016	Change from	
				August 2015	July 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	12,622	11,804	11,921	-5.6	1.0
Wisconsin	26,073	26,953	24,662	-5.4	-8.5
Other States ¹	43,033	41,373	36,745	-14.6	-11.2
United States	81,728	80,130	73,328	-10.3	-8.5
Atlantic	22,281	20,549	19,232	-13.7	-6.4
Central	37,926	38,871	36,047	-5.0	-7.3
West	21,521	20,710	18,049	-16.1	-12.8

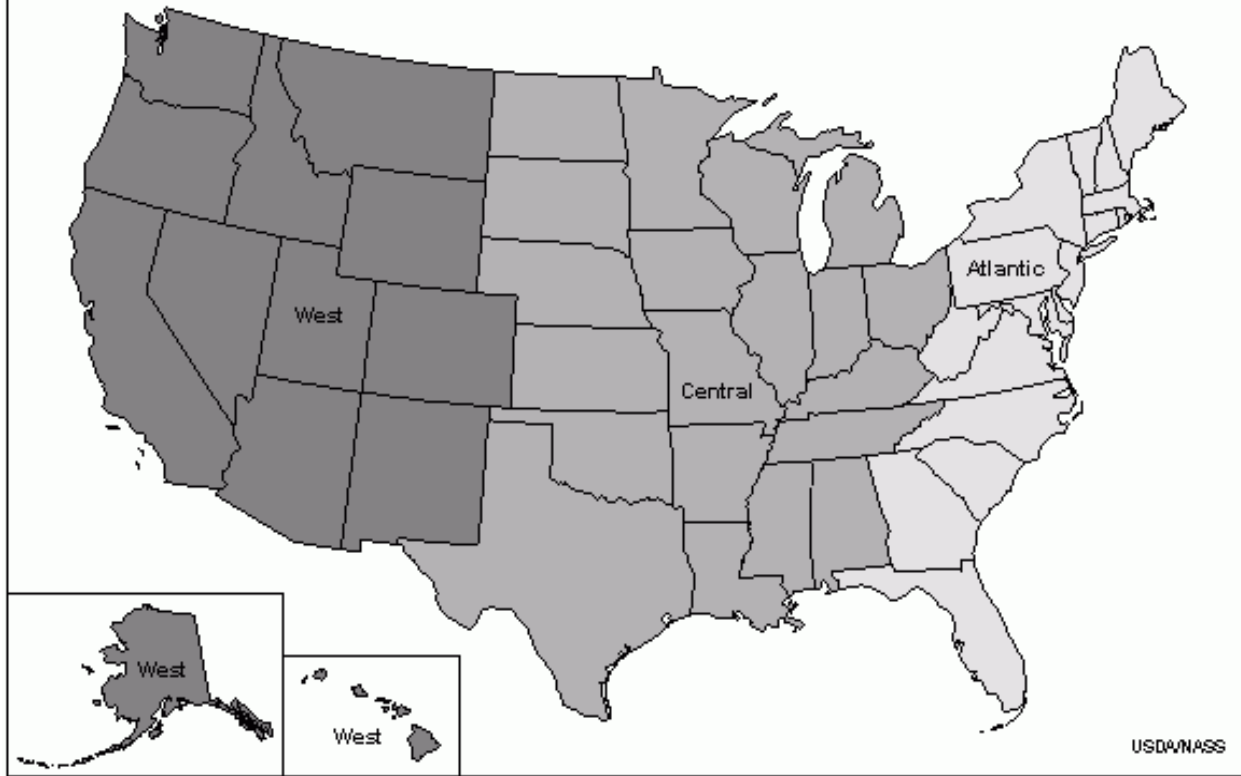
¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State	August 2015	July 2016	August 2016	Change from	
				August 2015	July 2016
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	12,535	10,250	10,423	-16.8	1.7
Connecticut	1,346	1,271	1,209	-10.2	-4.9
Missouri	2,215	2,614	2,149	-3.0	-17.8
Ohio	2,579	2,610	2,376	-7.9	-9.0
Oregon	1,140	1,367	1,313	15.2	-4.0
Pennsylvania	3,688	3,776	3,861	4.7	2.3
Wisconsin	1,905	1,878	1,796	-5.7	-4.4
Other States ¹	44,095	45,834	47,343	7.4	3.3
United States	69,503	69,600	70,470	1.4	1.3
Atlantic	16,239	15,584	16,156	-0.5	3.7
Central	34,400	37,728	37,344	8.6	-1.0
West	18,864	16,288	16,970	-10.0	4.2

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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- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.

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