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## September 2016 Highlights

**Total cheese** output (excluding cottage cheese) was 981 million pounds, 1.6 percent above September 2015 but 1.8 percent below August 2016.

**Italian type cheese** production totaled 421 million pounds, 4.4 percent above September 2015 but 0.9 percent below August 2016.

**American type cheese** production totaled 378 million pounds, 0.3 percent below September 2015 and 2.9 percent below August 2016.

**Butter** production was 133 million pounds, 0.4 percent below September 2015 but 2.3 percent above August 2016.

### **Dry milk powders** (comparisons with September 2015)

Nonfat dry milk, human - 126 million pounds, up 4.7 percent.

Skim milk powders - 38.4 million pounds, up 43.3 percent.

### **Whey products** (comparisons with September 2015)

Dry whey, total - 74.5 million pounds, down 6.0 percent.

Lactose, human and animal - 91.5 million pounds, up 7.5 percent.

Whey protein concentrate, total - 34.2 million pounds, down 8.7 percent.

### **Frozen products** (comparisons with September 2015)

Ice cream, regular (hard) - 62.2 million gallons, down 4.9 percent.

Ice cream, lowfat (total) - 34.1 million gallons, down 3.8 percent.

Sherbet (hard) - 3.23 million gallons, down 5.2 percent.

Frozen yogurt (total) - 5.12 million gallons, down 9.7 percent.

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

Product	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	133,659	130,057	133,099	-0.4	2.3
<b>Cheese</b>					
American types <sup>1</sup> .....	379,532	389,387	378,284	-0.3	-2.9
Cheddar .....	271,528	279,186	270,225	-0.5	-3.2
Other American types .....	108,004	110,201	108,059	0.1	-1.9
Blue and Gorgonzola .....	8,207	7,538	7,799	-5.0	3.5
Brick and Muenster .....	13,301	15,138	14,969	12.5	-1.1
Cream and Neufchatel .....	83,438	84,361	80,112	-4.0	-5.0
Feta .....	9,251	11,100	10,497	13.5	-5.4
Gouda .....	5,216	5,637	5,914	13.4	4.9
Hispanic .....	22,092	21,949	22,598	2.3	3.0
Italian types .....	403,028	424,496	420,725	4.4	-0.9
Mozzarella .....	317,118	328,638	329,108	3.8	0.1
Parmesan .....	23,606	31,513	27,506	16.5	-12.7
Provolone .....	32,591	34,203	33,352	2.3	-2.5
Ricotta .....	20,575	21,276	21,340	3.7	0.3
Romano .....	3,578	3,908	4,053	13.3	3.7
Other Italian types .....	5,560	4,958	5,366	-3.5	8.2
Swiss .....	25,278	25,438	24,810	-1.9	-2.5
All other types .....	16,714	14,539	15,470	-7.4	6.4
<b>Total cheese</b> .....	<b>966,057</b>	<b>999,583</b>	<b>981,178</b>	<b>1.6</b>	<b>-1.8</b>
Cottage cheese, curd <sup>2</sup> .....	34,670	35,875	34,562	-0.3	-3.7
Cottage cheese, cream <sup>3</sup> .....	27,369	28,855	27,433	0.2	-4.9
Cottage cheese, lowfat <sup>4</sup> .....	31,918	31,646	30,236	-5.3	-4.5
Sour cream .....	106,825	116,521	109,711	2.7	-5.8
Yogurt, plain and flavored .....	445,270	419,109	436,085	-2.1	4.1
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	65,391	70,965	62,209	-4.9	-12.3
Ice cream, lowfat, hard .....	17,447	19,218	16,710	-4.2	-13.1
Ice cream, lowfat, soft .....	17,994	25,214	17,380	-3.4	-31.1
Ice cream, lowfat, total .....	35,441	44,432	34,090	-3.8	-23.3
Ice cream, nonfat, hard .....	586	596	502	-14.3	-15.8
Sherbet, hard .....	3,407	3,120	3,230	-5.2	3.5
Frozen yogurt, total .....	5,673	5,926	5,124	-9.7	-13.5
Regular and lowfat, hard .....	1,904	2,113	1,492	-21.6	-29.4
Nonfat, hard .....	686	502	549	-20.0	9.4
Other frozen dairy products .....	1,212	1,115	1,229	1.4	10.2
Water and juice ices .....	5,880	6,547	6,016	2.3	-8.1
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	38,646	42,751	36,188	-6.4	-15.4
Ice cream, lowfat, mix .....	20,018	25,213	19,202	-4.1	-23.8
Ice cream, nonfat, mix .....	601	603	580	-3.5	-3.8
Sherbet mix .....	2,118	2,114	2,142	1.1	1.3
Yogurt mix .....	3,068	3,688	2,976	-3.0	-19.3

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

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

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

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

**Whey and Modified Whey Products Production, Stocks, and Prices – United States:  
September 2015 and 2016**

Product	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	10,228	11,451	10,849	6.1	-5.3
Dry whey products					
Dry whey, human .....	77,751	73,908	73,466	-5.5	-0.6
Dry whey, animal .....	1,496	2,488	1,054	-29.5	-57.6
Dry whey, total .....	79,247	76,396	74,520	-6.0	-2.5
Reduced lactose and minerals					
Human .....	2,938	2,705	2,671	-9.1	-1.3
Animal .....	2,565	2,324	2,634	2.7	13.3
Whey protein concentrate					
Human <sup>2</sup> .....	37,148	34,140	33,908	-8.7	-0.7
Animal <sup>2</sup> .....	292	197	262	-10.3	33.0
Total <sup>2</sup> .....	37,440	34,337	34,170	-8.7	-0.5
25.0-49.9 percent <sup>3</sup> .....	16,432	13,631	13,306	-19.0	-2.4
50.0-89.9 percent <sup>3</sup> .....	21,008	20,706	20,864	-0.7	0.8
Whey protein isolates <sup>4</sup> .....	8,399	8,396	10,084	20.1	20.1
Lactose, human and animal .....	85,084	92,209	91,472	7.5	-0.8
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	70,296	60,492	51,718	-26.4	-14.5
Dry whey, animal .....	3,132	1,172	1,149	-63.3	-2.0
Dry whey, total .....	73,428	61,664	52,867	-28.0	-14.3
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	9,773	7,615	7,801	-20.2	2.4
Whey protein concentrate					
Human <sup>2</sup> .....	76,391	57,521	51,625	-32.4	-10.3
Animal <sup>2</sup> .....	804	455	497	-38.2	9.2
Total <sup>2</sup> .....	77,195	57,976	52,122	-32.5	-10.1
25.0-49.9 percent <sup>3</sup> .....	34,443	20,749	17,294	-49.8	-16.7
50.0-89.9 percent <sup>3</sup> .....	42,752	37,227	34,828	-18.5	-6.4
Whey protein isolates <sup>4</sup> .....	13,956	16,816	20,027	43.5	19.1
Lactose, human and animal .....	115,183	118,949	115,099	-0.1	-3.2
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	14.9	11.6	14.6	-0.3	3.0

<sup>1</sup> Final marketable product only. Does not include quantity used or shipped to another plant for further processing into dry whey or modified whey products. Does not include sweet-type, animal whey.

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

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

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

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

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

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

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

Product	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	134,764	140,081	124,565	-7.6	-11.1
Dry milk products					
Dry buttermilk, total .....	6,885	6,774	7,153	3.9	5.6
Dry skim milk, animal .....	702	972	635	-9.5	-34.7
Dry whole milk .....	4,194	6,716	6,879	64.0	2.4
Milk protein concentrate, total <sup>1</sup> .....	11,684	9,865	10,855	-7.1	10.0
Nonfat dry milk, human .....	119,947	117,657	125,643	4.7	6.8
Skim milk powder, total <sup>2</sup> .....	26,837	46,426	38,447	43.3	-17.2
<b>Manufacturers' stocks end-of-month <sup>3</sup></b>					
Dry milk products					
Dry buttermilk, total .....	9,864	16,164	17,024	72.6	5.3
Dry skim milk, animal .....	1,900	2,152	1,640	-13.7	-23.8
Dry whole milk .....	9,383	12,898	13,493	43.8	4.6
Nonfat dry milk, human .....	211,576	234,834	216,086	2.1	-8.0
<b>Manufacturers' shipments <sup>4</sup></b>					
Dry milk products					
Nonfat dry milk, human .....	132,528	133,120	134,096	1.2	0.7

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

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

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

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

## Dairy Products Production by Product and Month – United States: 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)
<b>Total cheese</b>						
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	981,178	1.6	8,790,110	8,961,203	1.9
October .....	1,027,279			9,817,389		
November .....	984,720			10,802,109		
December .....	1,036,316			11,838,425		
<b>Total American cheese types <sup>1</sup></b>						
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	378,284	-0.3	3,522,116	3,518,848	-0.1
October .....	392,516			3,914,632		
November .....	380,090			4,294,722		
December .....	400,164			4,694,886		
<b>Cheddar cheese</b>						
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	270,225	-0.5	2,555,650	2,534,831	-0.8
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)
<b>Total Italian cheese types</b>						
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	420,725	4.4	3,760,344	3,917,953	4.2
October .....	437,762			4,198,106		
November .....	425,075			4,623,181		
December .....	465,574			5,088,755		
<b>Mozzarella</b>						
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	329,108	3.8	2,955,509	3,060,634	3.6
October .....	342,127			3,297,636		
November .....	333,437			3,631,073		
December .....	364,737			3,995,810		
<b>Other Italian cheese types</b>						
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	5,366	-3.5	56,822	50,912	-10.4
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)
<b>Butter</b>						
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	133,099	-0.4	1,373,009	1,437,020	4.7
October .....	148,424			1,521,433		
November .....	152,329			1,673,762		
December .....	175,556			1,849,318		
<b>Nonfat dry milk, human</b>						
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	125,643	4.7	1,424,754	1,324,861	-7.0
October .....	118,358			1,543,112		
November .....	127,928			1,671,040		
December .....	151,143			1,822,183		
<b>Skim milk powders <sup>2</sup></b>						
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			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)
<b>Dry whey, total <sup>3</sup></b>						
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	74,520	-6.0	726,999	719,479	-1.0
October .....	77,108			804,107		
November .....	79,012			883,119		
December .....	91,786			974,905		
<b>Lactose, human and animal</b>						
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	91,472	7.5	792,098	815,954	3.0
October .....	83,126			875,224		
November .....	82,460			957,684		
December .....	91,094			1,048,778		
<b>Whey protein concentrate, total</b>						
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	34,170	-8.7	368,728	332,012	-10.0
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)
<b>Cottage cheese, cream</b>						
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	27,433	0.2	239,523	242,941	1.4
October .....	27,130			266,653		
November .....	24,212			290,865		
December .....	26,663			317,528		
<b>Cottage cheese, lowfat</b>						
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	30,236	-5.3	276,722	276,262	-0.2
October .....	29,543			306,265		
November .....	26,652			332,917		
December .....	30,088			363,005		
<b>Sour cream</b>						
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	109,711	2.7	955,451	989,684	3.6
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)
<b>Ice cream, regular hard</b>						
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	62,209	-4.9	602,783	610,653	1.3
October .....	63,356			666,139		
November .....	54,953			721,092		
December .....	56,472			777,564		
<b>Ice cream, lowfat total</b>						
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	34,090	-3.8	347,596	340,254	-2.1
October .....	31,918			379,514		
November .....	26,788			406,302		
December .....	25,399			431,701		
<b>Sherbet, hard</b>						
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	3,230	-5.2	32,063	29,614	-7.6
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)
<b>Yogurt, plain and flavored</b>						
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	436,085	-2.1	3,639,091	3,599,477	-1.1
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)
<b>Frozen yogurt, total</b>						
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	5,124	-9.7	54,672	50,991	-6.7
October .....	5,543			60,215		
November .....	4,496			64,711		
December .....	4,004			68,715		

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

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

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

**Total Cheese Production Excluding Cottage Cheese – States and United States:  
September 2015 and 2016**

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	193,048	205,574	202,451	4.9	-1.5
Idaho .....	81,813	78,162	81,738	-0.1	4.6
Illinois .....	6,322	6,775	6,703	6.0	-1.1
Iowa .....	17,000	20,680	18,172	6.9	-12.1
Minnesota .....	53,675	52,710	52,899	-1.4	0.4
New Jersey .....	5,043	5,158	5,582	10.7	8.2
New Mexico .....	59,776	61,712	59,875	0.2	-3.0
New York .....	70,190	72,696	71,049	1.2	-2.3
Ohio .....	18,044	18,700	17,145	-5.0	-8.3
Pennsylvania .....	33,429	33,739	32,184	-3.7	-4.6
South Dakota .....	22,636	21,829	21,337	-5.7	-2.3
Vermont .....	10,384	11,407	10,424	0.4	-8.6
Wisconsin .....	250,496	261,277	258,850	3.3	-0.9
Other States <sup>1</sup> .....	144,201	149,164	142,769	-1.0	-4.3
United States .....	966,057	999,583	981,178	1.6	-1.8
Atlantic .....	125,224	129,755	125,514	0.2	-3.3
Central .....	429,165	447,779	436,104	1.6	-2.6
West .....	411,668	422,049	419,560	1.9	-0.6

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

## American Cheese Production – States and United States: September 2015 and 2016

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	52,615	55,630	53,186	1.1	-4.4
Idaho .....	51,067	52,756	49,185	-3.7	-6.8
Iowa .....	11,314	13,758	13,257	17.2	-3.6
New York .....	10,953	10,739	10,511	-4.0	-2.1
Oregon .....	15,876	16,327	16,397	3.3	0.4
Pennsylvania .....	79	79	78	-1.3	-1.3
Wisconsin .....	71,788	71,549	72,800	1.4	1.7
Other States <sup>1</sup> .....	165,840	168,549	162,870	-1.8	-3.4
United States .....	379,532	389,387	378,284	-0.3	-2.9
Atlantic .....	23,479	24,041	23,042	-1.9	-4.2
Central .....	180,250	180,286	179,620	-0.3	-0.4
West .....	175,803	185,060	175,622	-0.1	-5.1

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

## Cheddar Cheese Production – States and United States: September 2015 and 2016

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	28,039	30,291	27,933	-0.4	-7.8
Idaho .....	41,305	41,646	36,559	-11.5	-12.2
Iowa .....	7,843	8,536	8,323	6.1	-2.5
Minnesota .....	43,561	40,244	41,173	-5.5	2.3
Vermont .....	6,808	7,508	7,456	9.5	-0.7
Wisconsin .....	46,113	47,895	49,100	6.5	2.5
Other States <sup>1</sup> .....	97,859	103,066	99,681	1.9	-3.3
United States .....	271,528	279,186	270,225	-0.5	-3.2
Atlantic .....	22,364	22,954	22,065	-1.3	-3.9
Central .....	123,286	124,075	124,327	0.8	0.2
West .....	125,878	132,157	123,833	-1.6	-6.3

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

## Total Italian Cheese Production – States and United States: September 2015 and 2016

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	120,753	130,907	127,674	5.7	-2.5
Idaho .....	25,226	19,394	26,134	3.6	34.8
New York .....	28,428	30,039	31,003	9.1	3.2
Pennsylvania .....	19,476	19,529	19,628	0.8	0.5
Wisconsin .....	123,382	135,341	131,227	6.4	-3.0
Other States <sup>1</sup> .....	85,763	89,286	85,059	-0.8	-4.7
United States .....	403,028	424,496	420,725	4.4	-0.9
Atlantic .....	52,827	54,731	55,720	5.5	1.8
Central .....	159,713	175,685	166,725	4.4	-5.1
West .....	190,488	194,080	198,280	4.1	2.2

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

## Mozzarella Cheese Production – States and United States: September 2015 and 2016

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	110,258	119,182	118,325	7.3	-0.7
Idaho .....	23,872	18,209	24,722	3.6	35.8
New York .....	14,696	15,053	15,712	6.9	4.4
Pennsylvania .....	16,580	16,357	16,902	1.9	3.3
Wisconsin .....	83,213	91,923	87,000	4.6	-5.4
Other States <sup>1</sup> .....	68,499	67,914	66,447	-3.0	-2.2
United States .....	317,118	328,638	329,108	3.8	0.1
Atlantic .....	33,591	34,245	35,251	4.9	2.9
Central .....	106,380	114,919	108,324	1.8	-5.7
West .....	177,147	179,474	185,533	4.7	3.4

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

## Butter Production – States and United States: September 2015 and 2016

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	38,520	38,223	39,972	3.8	4.6
New York .....	1,880	1,730	2,385	26.9	37.9
Pennsylvania .....	6,398	4,256	7,010	9.6	64.7
Other States <sup>1</sup> .....	86,861	85,848	83,732	-3.6	-2.5
United States .....	133,659	130,057	133,099	-0.4	2.3
Atlantic .....	12,397	9,076	14,116	13.9	55.5
Central .....	52,068	50,627	53,502	2.8	5.7
West .....	69,194	70,354	65,481	-5.4	-6.9

<sup>1</sup> 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: September 2015 and 2016

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	48,691	30,552	41,801	-14.2	36.8
Pennsylvania .....	11,597	13,164	11,504	-0.8	-12.6
Other States <sup>1</sup> .....	59,659	73,941	72,338	21.3	-2.2
United States .....	119,947	117,657	125,643	4.7	6.8
Atlantic .....	19,241	25,390	19,096	-0.8	-24.8
Central .....	19,150	21,402	24,814	29.6	15.9
West .....	81,556	70,865	81,733	0.2	15.3

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



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

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York .....	12,710	12,307	13,151	3.5	6.9
Wisconsin .....	24,687	24,865	23,381	-5.3	-6.0
Other States <sup>1</sup> .....	40,354	36,736	36,934	-8.5	0.5
United States .....	77,751	73,908	73,466	-5.5	-0.6
Atlantic .....	21,468	19,618	20,870	-2.8	6.4
Central .....	35,414	36,241	34,131	-3.6	-5.8
West .....	20,869	18,049	18,465	-11.5	2.3

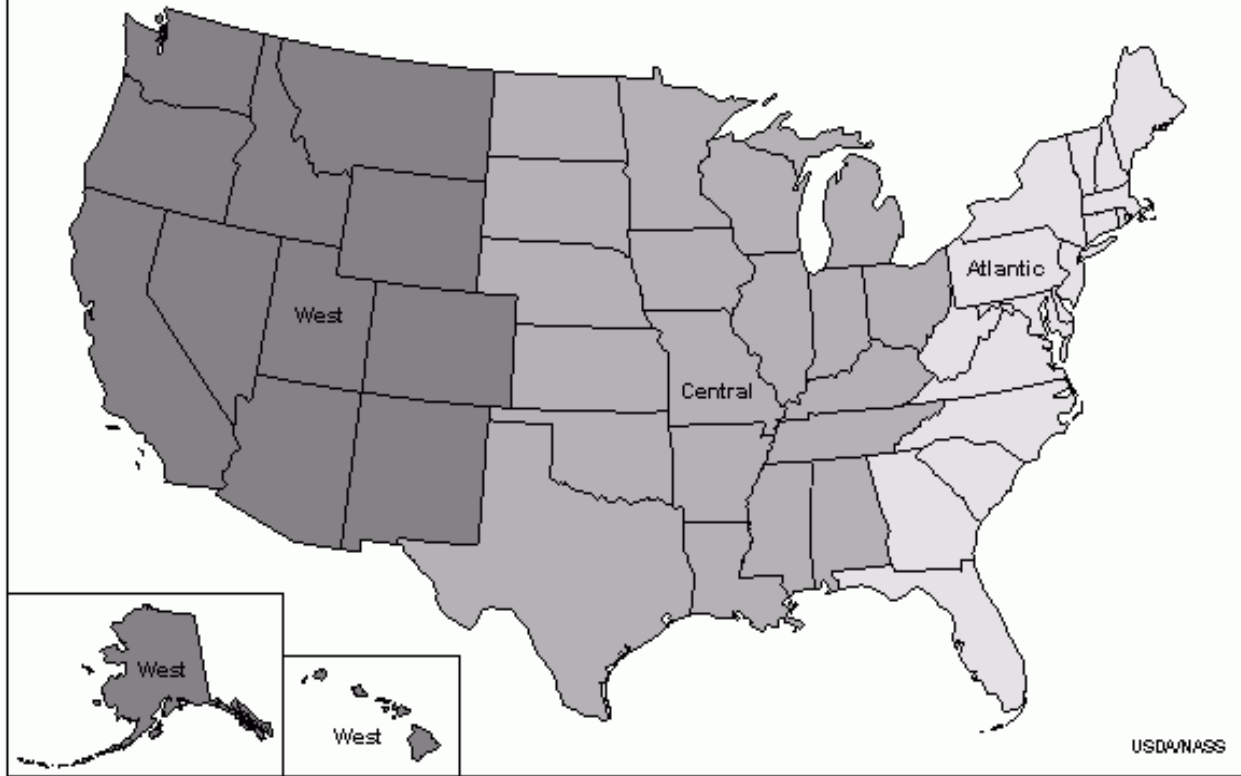
<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	11,800	10,427	9,120	-22.7	-12.5
Connecticut .....	1,230	1,203	1,086	-11.7	-9.7
Missouri .....	1,918	2,149	1,915	-0.2	-10.9
Ohio .....	2,206	2,376	1,997	-9.5	-16.0
Oregon .....	920	1,313	1,106	20.2	-15.8
Pennsylvania .....	3,197	4,008	2,872	-10.2	-28.3
Wisconsin .....	1,605	1,999	1,768	10.2	-11.6
Other States <sup>1</sup> .....	42,515	47,490	42,345	-0.4	-10.8
United States .....	65,391	70,965	62,209	-4.9	-12.3
Atlantic .....	14,057	16,472	13,047	-7.2	-20.8
Central .....	33,485	37,548	34,316	2.5	-8.6
West .....	17,849	16,945	14,846	-16.8	-12.4

<sup>1</sup> 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](mailto:nass@nass.usda.gov).

Dan Kerestes, Chief, Livestock Branch .....	(202) 720-3570
Scott Hollis, Head, Livestock Section .....	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter .....	(202) 720-3240
Doug Bounds – Hogs and Pigs .....	(202) 720-3106
David Colwell – Sheep and Goats .....	(202) 720-8784
Donnie Fike – Dairy Products .....	(202) 690-3236
Michael Klamm – Cattle, Cattle on Feed .....	(202) 720-3040
Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278

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