



# Dairy Products

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## June 2018 Highlights

**Total cheese** output (excluding cottage cheese) was 1.06 billion pounds, 1.8 percent above June 2017 but 1.9 percent below May 2018.

**Italian type cheese** production totaled 450 million pounds, 0.1 percent below June 2017 and 1.8 percent below May 2018.

**American type cheese** production totaled 431 million pounds, 2.7 percent above June 2017 but 2.9 percent below May 2018.

**Butter** production was 143 million pounds, 3.1 percent above June 2017 but 14.7 percent below May 2018.

### **Dry milk products** (comparisons in percentage with June 2017)

Nonfat dry milk, human - 148 million pounds, down 9.0 percent.

Skim milk powder - 58.9 million pounds, up 49.2 percent.

### **Whey products** (comparisons in percentage with June 2017)

Dry whey, total - 87.4 million pounds, down 0.7 percent.

Lactose, human and animal - 91.3 million pounds, down 5.0 percent.

Whey protein concentrate, total - 39.9 million pounds, down 1.1 percent.

### **Frozen products** (comparisons in percentage with June 2017)

Ice cream, regular (hard) - 71.3 million gallons, down 4.7 percent.

Ice cream, lowfat (total) - 45.5 million gallons, down 0.8 percent.

Sherbet (hard) - 3.46 million gallons, down 9.5 percent.

Frozen yogurt (total) - 5.43 million gallons, down 3.3 percent.

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## Dairy Products Production by Product – United States: June 2017 and 2018

Product	June 2017	May 2018	June 2018	Change from	
				June 2017	May 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	139,200	168,109	143,464	3.1	-14.7
<b>Cheese</b>					
American types <sup>1</sup> .....	419,260	443,503	430,523	2.7	-2.9
Cheddar .....	302,090	319,684	314,078	4.0	-1.8
Other American types .....	117,170	123,819	116,445	-0.6	-6.0
Blue and Gorgonzola .....	7,938	8,047	7,095	-10.6	-11.8
Brick and Muenster .....	15,739	17,036	16,474	4.7	-3.3
Cream and Neufchatel .....	72,324	69,349	73,292	1.3	5.7
Feta .....	11,608	13,229	11,963	3.1	-9.6
Gouda .....	4,727	6,236	6,431	36.0	3.1
Hispanic .....	24,273	26,053	25,651	5.7	-1.5
Italian types .....	450,027	457,691	449,658	-0.1	-1.8
Mozzarella .....	349,363	357,591	354,389	1.4	-0.9
Parmesan .....	38,419	36,665	33,679	-12.3	-8.1
Provolone .....	33,992	33,844	32,471	-4.5	-4.1
Ricotta .....	16,723	18,030	17,534	4.8	-2.8
Romano .....	4,521	4,977	5,238	15.9	5.2
Other Italian types .....	7,009	6,584	6,347	-9.4	-3.6
Swiss .....	26,040	28,824	27,466	5.5	-4.7
All other types .....	13,939	14,643	15,815	13.5	8.0
<b>Total cheese</b> <sup>2</sup> .....	<b>1,045,875</b>	<b>1,084,611</b>	<b>1,064,368</b>	<b>1.8</b>	<b>-1.9</b>
Cottage cheese, curd <sup>3</sup> .....	32,374	35,510	33,781	4.3	-4.9
Cottage cheese, cream <sup>4</sup> .....	27,626	32,368	31,058	12.4	-4.0
Cottage cheese, lowfat <sup>5</sup> .....	27,924	31,486	28,466	1.9	-9.6
Sour cream .....	117,764	118,874	114,482	-2.8	-3.7
Yogurt, plain and flavored .....	376,335	371,391	369,341	-1.9	-0.6
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	74,788	66,580	71,259	-4.7	7.0
Ice cream, lowfat, hard .....	20,238	20,019	21,960	8.5	9.7
Ice cream, lowfat, soft .....	25,622	25,156	23,524	-8.2	-6.5
Ice cream, lowfat, total <sup>6</sup> .....	45,860	45,175	45,484	-0.8	0.7
Ice cream, nonfat, hard .....	642	781	683	6.4	-12.5
Sherbet, hard .....	3,819	3,514	3,456	-9.5	-1.7
Frozen yogurt, total .....	5,609	5,303	5,426	-3.3	2.3
Regular and lowfat, hard .....	1,633	1,707	1,624	-0.6	-4.9
Nonfat, hard .....	750	516	586	-21.9	13.6
Other frozen dairy products .....	2,081	2,186	2,329	11.9	6.5
Water and juice ices .....	7,537	6,697	7,755	2.9	15.8
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	45,927	40,882	43,696	-4.9	6.9
Ice cream, lowfat, mix <sup>7</sup> .....	25,015	25,600	25,644	2.5	0.2
Ice cream, nonfat, mix .....	557	607	597	7.2	-1.6
Sherbet mix .....	2,485	2,376	2,294	-7.7	-3.5
Yogurt mix .....	3,103	2,936	2,824	-9.0	-3.8

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

<sup>2</sup> Excludes Cottage Cheese.

<sup>3</sup> Mostly used for processing into cream or lowfat cottage cheese.

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

<sup>5</sup> Fat content less than 4 percent.

<sup>6</sup> Includes freezer-made milkshake.

<sup>7</sup> Includes milkshake mix.

**Whey and Modified Whey Products Production, Stocks, and Prices – United States:  
June 2017 and 2018**

Product	June 2017	May 2018	June 2018	Change from	
				June 2017	May 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	8,724	7,113	6,558	-24.8	-7.8
Dry whey products					
Dry whey, human .....	86,617	83,506	85,933	-0.8	2.9
Dry whey, animal .....	1,447	2,015	1,481	2.3	-26.5
Dry whey, total .....	88,064	85,521	87,414	-0.7	2.2
Reduced lactose and minerals					
Human .....	2,190	2,743	1,803	-17.7	-34.3
Animal .....	2,553	2,872	2,736	7.2	-4.7
Whey protein concentrate					
Human <sup>2</sup> .....	39,028	41,521	39,519	1.3	-4.8
Animal <sup>2</sup> .....	1,269	349	334	-73.7	-4.3
Total <sup>2</sup> .....	40,297	41,870	39,853	-1.1	-4.8
25.0-49.9 percent <sup>3</sup> .....	15,288	14,856	14,030	-8.2	-5.6
50.0-89.9 percent <sup>3</sup> .....	25,009	27,014	25,823	3.3	-4.4
Whey protein isolates <sup>4</sup> .....	10,189	9,283	9,745	-4.4	5.0
Lactose, human and animal .....	96,082	92,544	91,265	-5.0	-1.4
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	82,721	66,352	71,293	-13.8	7.4
Dry whey, animal .....	1,952	2,176	2,295	17.6	5.5
Dry whey, total .....	84,673	68,528	73,588	-13.1	7.4
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	6,859	4,384	4,168	-39.2	-4.9
Whey protein concentrate					
Human <sup>2</sup> .....	67,454	69,878	63,757	-5.5	-8.8
Animal <sup>2</sup> .....	1,239	775	697	-43.7	-10.1
Total <sup>2</sup> .....	68,693	70,653	64,454	-6.2	-8.8
25.0-49.9 percent <sup>3</sup> .....	24,579	20,254	19,613	-20.2	-3.2
50.0-89.9 percent <sup>3</sup> .....	44,114	50,399	44,841	1.6	-11.0
Whey protein isolates <sup>4</sup> .....	25,152	25,933	27,060	7.6	4.3
Lactose, human and animal .....	137,404	105,504	102,016	-25.8	-3.3
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	40.6	21.2	18.4	-22.2	-2.8

<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:  
June 2017 and 2018**

Product	June 2017	May 2018	June 2018	Change from	
				June 2017	May 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	148,196	142,974	139,102	-6.1	-2.7
Dry milk products					
Dry buttermilk, total .....	8,044	10,882	7,862	-2.3	-27.8
Dry skim milk, animal .....	1,164	1,399	1,736	49.1	24.1
Dry whole milk .....	7,737	25,411	11,160	44.2	-56.1
Milk protein concentrate, total <sup>1</sup> .....	13,818	17,413	17,577	27.2	0.9
Nonfat dry milk, human .....	162,814	159,893	148,188	-9.0	-7.3
Skim milk powder, total <sup>2</sup> .....	39,515	50,365	58,947	49.2	17.0
<b>Manufacturers' stocks end-of-month</b> <sup>3</sup>					
Dry milk products					
Dry buttermilk, total .....	16,025	18,772	14,853	-7.3	-20.9
Dry skim milk, animal .....	2,230	3,151	2,638	18.3	-16.3
Dry whole milk .....	21,224	59,625	56,525	166.3	-5.2
Nonfat dry milk, human .....	297,773	270,727	301,905	1.4	11.5
<b>Manufacturers' shipments</b> <sup>4</sup>					
Dry milk products					
Nonfat dry milk, human .....	144,441	146,299	111,057	-23.1	-24.1

<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: 2017 and 2018

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

Product and month	Monthly			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Total cheese <sup>1</sup></b>						
January .....	1,064,232	1,096,520	3.0	1,064,232	1,096,520	3.0
February .....	957,650	985,969	3.0	2,021,882	2,082,489	3.0
March .....	1,071,819	1,108,389	3.4	3,093,701	3,190,878	3.1
April .....	1,057,848	1,073,438	1.5	4,151,549	4,264,316	2.7
May .....	1,076,171	1,084,611	0.8	5,227,720	5,348,927	2.3
June .....	1,045,875	1,064,368	1.8	6,273,595	6,413,295	2.2
July .....	1,051,675			7,325,270		
August .....	1,046,041			8,371,311		
September .....	1,024,757			9,396,068		
October .....	1,086,865			10,482,933		
November .....	1,070,668			11,553,601		
December .....	1,105,490			12,659,091		
<b>Total American cheese types <sup>2</sup></b>						
January .....	434,627	433,670	-0.2	434,627	433,670	-0.2
February .....	390,314	397,364	1.8	824,941	831,034	0.7
March .....	429,558	443,491	3.2	1,254,499	1,274,525	1.6
April .....	434,657	443,257	2.0	1,689,156	1,717,782	1.7
May .....	443,083	443,503	0.1	2,132,239	2,161,285	1.4
June .....	419,260	430,523	2.7	2,551,499	2,591,808	1.6
July .....	414,495			2,965,994		
August .....	414,280			3,380,274		
September .....	403,544			3,783,818		
October .....	430,485			4,214,303		
November .....	413,714			4,628,017		
December .....	443,974			5,071,991		
<b>Cheddar cheese</b>						
January .....	327,328	318,254	-2.8	327,328	318,254	-2.8
February .....	291,508	293,255	0.6	618,836	611,509	-1.2
March .....	323,442	321,144	-0.7	942,278	932,653	-1.0
April .....	329,671	318,849	-3.3	1,271,949	1,251,502	-1.6
May .....	327,456	319,684	-2.4	1,599,405	1,571,186	-1.8
June .....	302,090	314,078	4.0	1,901,495	1,885,264	-0.9
July .....	298,285			2,199,780		
August .....	298,306			2,498,086		
September .....	291,755			2,789,841		
October .....	307,833			3,097,674		
November .....	296,598			3,394,272		
December .....	327,062			3,721,334		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

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

Product and month	Monthly			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Total Italian cheese types</b>						
January .....	454,575	474,348	4.3	454,575	474,348	4.3
February .....	406,179	426,472	5.0	860,754	900,820	4.7
March .....	470,053	481,404	2.4	1,330,807	1,382,224	3.9
April .....	447,937	455,198	1.6	1,778,744	1,837,422	3.3
May .....	452,332	457,691	1.2	2,231,076	2,295,113	2.9
June .....	450,027	449,658	-0.1	2,681,103	2,744,771	2.4
July .....	451,922			3,133,025		
August .....	437,003			3,570,028		
September .....	432,619			4,002,647		
October .....	454,641			4,457,288		
November .....	456,821			4,914,109		
December .....	469,755			5,383,864		
<b>Mozzarella</b>						
January .....	352,768	366,988	4.0	352,768	366,988	4.0
February .....	314,602	327,413	4.1	667,370	694,401	4.1
March .....	361,368	371,264	2.7	1,028,738	1,065,665	3.6
April .....	347,399	353,725	1.8	1,376,137	1,419,390	3.1
May .....	350,530	357,591	2.0	1,726,667	1,776,981	2.9
June .....	349,363	354,389	1.4	2,076,030	2,131,370	2.7
July .....	352,014			2,428,044		
August .....	335,867			2,763,911		
September .....	332,180			3,096,091		
October .....	347,688			3,443,779		
November .....	351,511			3,795,290		
December .....	365,309			4,160,599		
<b>Other Italian cheese types</b>						
January .....	6,600	5,549	-15.9	6,600	5,549	-15.9
February .....	6,498	5,680	-12.6	13,098	11,229	-14.3
March .....	7,614	6,460	-15.2	20,712	17,689	-14.6
April .....	6,666	5,869	-12.0	27,378	23,558	-14.0
May .....	6,556	6,584	0.4	33,934	30,142	-11.2
June .....	7,009	6,347	-9.4	40,943	36,489	-10.9
July .....	6,055			46,998		
August .....	5,634			52,632		
September .....	6,747			59,379		
October .....	6,271			65,650		
November .....	7,247			72,897		
December .....	6,351			79,248		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

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

Product and month	Monthly			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Butter</b>						
January .....	178,060	182,088	2.3	178,060	182,088	2.3
February .....	161,013	170,116	5.7	339,073	352,204	3.9
March .....	177,021	182,046	2.8	516,094	534,250	3.5
April .....	161,956	175,297	8.2	678,050	709,547	4.6
May .....	163,397	168,109	2.9	841,447	877,656	4.3
June .....	139,200	143,464	3.1	980,647	1,021,120	4.1
July .....	135,625			1,116,272		
August .....	131,152			1,247,424		
September .....	134,552			1,381,976		
October .....	144,671			1,526,647		
November .....	149,721			1,676,368		
December .....	171,105			1,847,473		
<b>Nonfat dry milk, human</b>						
January .....	153,848	160,301	4.2	153,848	160,301	4.2
February .....	143,231	157,833	10.2	297,079	318,134	7.1
March .....	160,916	178,694	11.0	457,995	496,828	8.5
April .....	172,821	163,859	-5.2	630,816	660,687	4.7
May .....	167,910	159,893	-4.8	798,726	820,580	2.7
June .....	162,814	148,188	-9.0	961,540	968,768	0.8
July .....	151,825			1,113,365		
August .....	136,753			1,250,118		
September .....	134,572			1,384,690		
October .....	145,008			1,529,698		
November .....	141,440			1,671,138		
December .....	164,014			1,835,152		
<b>Skim milk powder, total <sup>3</sup></b>						
January .....	55,590	45,753	-17.7	55,590	45,753	-17.7
February .....	41,391	37,666	-9.0	96,981	83,419	-14.0
March .....	52,693	42,055	-20.2	149,674	125,474	-16.2
April .....	50,206	49,446	-1.5	199,880	174,920	-12.5
May .....	51,012	50,365	-1.3	250,892	225,285	-10.2
June .....	39,515	58,947	49.2	290,407	284,232	-2.1
July .....	47,842			338,249		
August .....	44,813			383,062		
September .....	29,102			412,164		
October .....	25,965			438,129		
November .....	41,609			479,738		
December .....	49,895			529,633		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

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

Product and month	Monthly			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Dry whey, total <sup>4</sup></b>						
January .....	82,255	90,319	9.8	82,255	90,319	9.8
February .....	77,895	89,599	15.0	160,150	179,918	12.3
March .....	86,689	90,653	4.6	246,839	270,571	9.6
April .....	84,640	85,149	0.6	331,479	355,720	7.3
May .....	82,950	85,521	3.1	414,429	441,241	6.5
June .....	88,064	87,414	-0.7	502,493	528,655	5.2
July .....	100,402			602,895		
August .....	94,276			697,171		
September .....	91,302			788,473		
October .....	80,750			869,223		
November .....	81,657			950,880		
December .....	86,024			1,036,904		
<b>Lactose, human and animal</b>						
January .....	92,320	94,834	2.7	92,320	94,834	2.7
February .....	84,386	86,294	2.3	176,706	181,128	2.5
March .....	95,317	99,650	4.5	272,023	280,778	3.2
April .....	96,265	94,011	-2.3	368,288	374,789	1.8
May .....	93,634	92,544	-1.2	461,922	467,333	1.2
June .....	96,082	91,265	-5.0	558,004	558,598	0.1
July .....	98,117			656,121		
August .....	96,679			752,800		
September .....	94,903			847,703		
October .....	93,098			940,801		
November .....	86,105			1,026,906		
December .....	97,251			1,124,157		
<b>Whey protein concentrate, total</b>						
January .....	40,329	43,461	7.8	40,329	43,461	7.8
February .....	36,110	39,391	9.1	76,439	82,852	8.4
March .....	42,354	44,932	6.1	118,793	127,784	7.6
April .....	42,062	40,926	-2.7	160,855	168,710	4.9
May .....	41,612	41,870	0.6	202,467	210,580	4.0
June .....	40,297	39,853	-1.1	242,764	250,433	3.2
July .....	41,192			283,956		
August .....	38,339			322,295		
September .....	38,720			361,015		
October .....	40,796			401,811		
November .....	40,551			442,362		
December .....	41,914			484,276		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

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

Product and month	Monthly			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Cottage cheese, cream</b>						
January .....	26,122	25,546	-2.2	26,122	25,546	-2.2
February .....	25,698	26,932	4.8	51,820	52,478	1.3
March .....	29,010	32,696	12.7	80,830	85,174	5.4
April .....	25,942	29,111	12.2	106,772	114,285	7.0
May .....	29,538	32,368	9.6	136,310	146,653	7.6
June .....	27,626	31,058	12.4	163,936	177,711	8.4
July .....	28,007			191,943		
August .....	30,434			222,377		
September .....	27,146			249,523		
October .....	28,829			278,352		
November .....	26,066			304,418		
December .....	26,066			330,484		
<b>Cottage cheese, lowfat</b>						
January .....	28,655	26,867	-6.2	28,655	26,867	-6.2
February .....	28,142	27,567	-2.0	56,797	54,434	-4.2
March .....	30,711	31,348	2.1	87,508	85,782	-2.0
April .....	29,610	29,815	0.7	117,118	115,597	-1.3
May .....	31,746	31,486	-0.8	148,864	147,083	-1.2
June .....	27,924	28,466	1.9	176,788	175,549	-0.7
July .....	28,450			205,238		
August .....	31,370			236,608		
September .....	27,396			264,004		
October .....	29,205			293,209		
November .....	26,060			319,269		
December .....	25,152			344,421		
<b>Sour cream</b>						
January .....	113,967	118,603	4.1	113,967	118,603	4.1
February .....	99,700	98,994	-0.7	213,667	217,597	1.8
March .....	115,648	116,393	0.6	329,315	333,990	1.4
April .....	109,615	111,878	2.1	438,930	445,868	1.6
May .....	118,884	118,874		557,814	564,742	1.2
June .....	117,764	114,482	-2.8	675,578	679,224	0.5
July .....	107,401			782,979		
August .....	118,709			901,688		
September .....	108,314			1,010,002		
October .....	126,023			1,136,025		
November .....	129,312			1,265,337		
December .....	121,812			1,387,149		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

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

Product and month	Monthly			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
<b>Ice cream, regular hard</b>						
January .....	56,500	54,718	-3.2	56,500	54,718	-3.2
February .....	58,988	55,411	-6.1	115,488	110,129	-4.6
March .....	74,168	64,388	-13.2	189,656	174,517	-8.0
April .....	69,711	63,601	-8.8	259,367	238,118	-8.2
May .....	72,167	66,580	-7.7	331,534	304,698	-8.1
June .....	74,788	71,259	-4.7	406,322	375,957	-7.5
July .....	69,394			475,716		
August .....	73,596			549,312		
September .....	60,596			609,908		
October .....	56,616			666,524		
November .....	49,618			716,142		
December .....	46,520			762,662		
<b>Ice cream, lowfat total</b>						
January .....	31,934	31,241	-2.2	31,934	31,241	-2.2
February .....	38,363	33,849	-11.8	70,297	65,090	-7.4
March .....	44,189	41,268	-6.6	114,486	106,358	-7.1
April .....	41,293	40,329	-2.3	155,779	146,687	-5.8
May .....	45,772	45,175	-1.3	201,551	191,862	-4.8
June .....	45,860	45,484	-0.8	247,411	237,346	-4.1
July .....	42,769			290,180		
August .....	43,344			333,524		
September .....	35,226			368,750		
October .....	34,566			403,316		
November .....	27,946			431,262		
December .....	28,552			459,814		
<b>Sherbet, hard</b>						
January .....	3,295	2,975	-9.7	3,295	2,975	-9.7
February .....	3,005	2,995	-0.3	6,300	5,970	-5.2
March .....	3,770	3,292	-12.7	10,070	9,262	-8.0
April .....	3,788	3,654	-3.5	13,858	12,916	-6.8
May .....	3,582	3,514	-1.9	17,440	16,430	-5.8
June .....	3,819	3,456	-9.5	21,259	19,886	-6.5
July .....	3,319			24,578		
August .....	3,697			28,275		
September .....	3,282			31,557		
October .....	2,542			34,099		
November .....	2,352			36,451		
December .....	2,181			38,632		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

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

Product and month	Monthly			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Yogurt, plain and flavored</b>						
January .....	381,750	365,342	-4.3	381,750	365,342	-4.3
February .....	369,841	375,716	1.6	751,591	741,058	-1.4
March .....	411,605	390,586	-5.1	1,163,196	1,131,644	-2.7
April .....	375,287	358,583	-4.5	1,538,483	1,490,227	-3.1
May .....	385,257	371,391	-3.6	1,923,740	1,861,618	-3.2
June .....	376,335	369,341	-1.9	2,300,075	2,230,959	-3.0
July .....	349,529			2,649,604		
August .....	396,182			3,045,786		
September .....	393,654			3,439,440		
October .....	368,558			3,807,998		
November .....	317,564			4,125,562		
December .....	352,746			4,478,308		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
<b>Frozen yogurt, total</b>						
January .....	5,299	4,617	-12.9	5,299	4,617	-12.9
February .....	5,424	4,624	-14.7	10,723	9,241	-13.8
March .....	6,912	6,583	-4.8	17,635	15,824	-10.3
April .....	6,391	5,646	-11.7	24,026	21,470	-10.6
May .....	5,771	5,303	-8.1	29,797	26,773	-10.1
June .....	5,609	5,426	-3.3	35,406	32,199	-9.1
July .....	5,192			40,598		
August .....	5,653			46,251		
September .....	4,557			50,808		
October .....	4,152			54,960		
November .....	4,070			59,030		
December .....	3,514			62,544		

<sup>1</sup> Excludes Cottage Cheese.

<sup>2</sup> Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

<sup>3</sup> Includes protein standardized and blends.

<sup>4</sup> Excludes all modified dry whey products.

## Total Cheese Production Excluding Cottage Cheese – States and United States: June 2017 and 2018

State	June 2017	May 2018	June 2018	Change from	
				June 2017	May 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	207,178	216,837	204,975	-1.1	-5.5
Idaho .....	82,758	77,397	83,691	1.1	8.1
Illinois .....	6,958	7,204	7,042	1.2	-2.2
Iowa .....	19,557	26,334	25,234	29.0	-4.2
Minnesota .....	60,422	63,641	61,989	2.6	-2.6
New Jersey .....	4,919	4,466	4,843	-1.5	8.4
New Mexico .....	63,634	75,472	73,943	16.2	-2.0
Ohio .....	17,338	20,070	19,218	10.8	-4.2
Oregon .....	17,211	17,297	16,938	-1.6	-2.1
Pennsylvania .....	34,190	36,659	36,547	6.9	-0.3
South Dakota .....	23,658	24,820	23,280	-1.6	-6.2
Vermont .....	11,748	12,365	11,726	-0.2	-5.2
Wisconsin .....	278,315	285,482	276,501	-0.7	-3.1
Other States <sup>1</sup> .....	217,989	216,567	218,441	0.2	0.9
United States .....	1,045,875	1,084,611	1,064,368	1.8	-1.9
Atlantic .....	128,141	125,613	130,911	2.2	4.2
Central .....	483,217	503,679	490,386	1.5	-2.6
West .....	434,517	455,319	443,071	2.0	-2.7

<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: June 2017 and 2018

State	June 2017	May 2018	June 2018	Change from	
				June 2017	May 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	51,636	53,669	49,372	-4.4	-8.0
Idaho .....	49,129	50,463	52,741	7.4	4.5
Iowa .....	12,878	17,006	16,341	26.9	-3.9
Oregon .....	17,143	17,218	16,846	-1.7	-2.2
Wisconsin .....	83,903	86,851	83,400	-0.6	-4.0
Other States <sup>1</sup> .....	204,571	218,296	211,823	3.5	-3.0
United States .....	419,260	443,503	430,523	2.7	-2.9
Atlantic .....	26,603	27,892	26,826	0.8	-3.8
Central .....	214,227	224,643	219,823	2.6	-2.1
West .....	178,430	190,968	183,874	3.1	-3.7

<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: June 2017 and 2018

State	June 2017	May 2018	June 2018	Change from	
				June 2017	May 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	27,130	29,907	25,818	-4.8	-13.7
Idaho .....	39,955	36,973	40,829	2.2	10.4
Iowa .....	7,171	11,424	11,178	55.9	-2.2
Minnesota .....	46,749	48,702	49,947	6.8	2.6
Oregon .....	13,604	14,493	13,498	-0.8	-6.9
Vermont .....	8,465	8,412	8,088	-4.5	-3.9
Wisconsin .....	57,590	60,216	57,100	-0.9	-5.2
Other States <sup>1</sup> .....	101,426	109,557	107,620	6.1	-1.8
United States .....	302,090	319,684	314,078	4.0	-1.8
Atlantic .....	25,137	26,201	25,112	-0.1	-4.2
Central .....	152,754	161,361	160,274	4.9	-0.7
West .....	124,199	132,122	128,692	3.6	-2.6

<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: June 2017 and 2018

State	June 2017	May 2018	June 2018	Change from	
				June 2017	May 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	133,680	139,619	131,707	-1.5	-5.7
Idaho .....	26,982	20,432	24,616	-8.8	20.5
Pennsylvania .....	20,812	22,023	21,952	5.5	-0.3
Wisconsin .....	144,833	144,570	144,259	-0.4	-0.2
Other States <sup>1</sup> .....	123,720	131,047	127,124	2.8	-3.0
United States .....	450,027	457,691	449,658	-0.1	-1.8
Atlantic .....	54,153	55,336	56,552	4.4	2.2
Central .....	184,840	188,704	183,771	-0.6	-2.6
West .....	211,034	213,651	209,335	-0.8	-2.0

<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: June 2017 and 2018

State	June 2017	May 2018	June 2018	Change from	
				June 2017	May 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	121,276	127,706	120,339	-0.8	-5.8
Idaho .....	26,002	19,778	23,614	-9.2	19.4
Pennsylvania .....	18,089	19,225	19,176	6.0	-0.3
Wisconsin .....	93,539	95,746	95,600	2.2	-0.2
Other States <sup>1</sup> .....	90,457	95,136	95,660	5.8	0.6
United States .....	349,363	357,591	354,389	1.4	-0.9
Atlantic .....	36,694	37,004	39,276	7.0	6.1
Central .....	116,463	121,812	119,562	2.7	-1.8
West .....	196,206	198,775	195,551	-0.3	-1.6

<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: June 2017 and 2018

State	June 2017	May 2018	June 2018	Change from	
				June 2017	May 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	40,596	50,671	44,460	9.5	-12.3
Pennsylvania .....	7,407	8,602	6,618	-10.7	-23.1
Other States <sup>1</sup> .....	91,197	108,836	92,386	1.3	-15.1
United States .....	139,200	168,109	143,464	3.1	-14.7
Atlantic .....	14,147	18,448	13,669	-3.4	-25.9
Central .....	56,160	68,759	58,745	4.6	-14.6
West .....	68,893	80,902	71,050	3.1	-12.2

<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: June 2017 and 2018

State	June 2017	May 2018	June 2018	Change from	
				June 2017	May 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	44,549	48,695	37,384	-16.1	-23.2
Pennsylvania .....	16,197	19,029	17,241	6.4	-9.4
Other States <sup>1</sup> .....	102,068	92,169	93,563	-8.3	1.5
United States .....	162,814	159,893	148,188	-9.0	-7.3
Atlantic .....	32,686	37,428	34,874	6.7	-6.8
Central .....	31,230	27,292	35,474	13.6	30.0
West .....	98,898	95,173	77,840	-21.3	-18.2

<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: June 2017 and 2018

State	June 2017	May 2018	June 2018	Change from	
				June 2017	May 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Wisconsin .....	31,000	28,396	28,163	-9.2	-0.8
Other States <sup>1</sup> .....	55,617	55,110	57,770	3.9	4.8
United States .....	86,617	83,506	85,933	-0.8	2.9
Atlantic .....	22,927	22,467	22,229	-3.0	-1.1
Central .....	42,434	40,293	38,996	-8.1	-3.2
West .....	21,256	20,746	24,708	16.2	19.1

<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: June 2017 and 2018

State	June 2017	May 2018	June 2018	Change from	
				June 2017	May 2018
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	10,929	6,166	6,778	-38.0	9.9
Connecticut .....	1,268	1,248	977	-22.9	-21.7
Missouri .....	3,579	3,367	3,991	11.5	18.5
Ohio .....	2,312	2,622	2,595	12.2	-1.0
Oregon .....	1,187	1,386	1,330	12.0	-4.0
Pennsylvania .....	3,630	3,806	3,678	1.3	-3.4
Tennessee .....	2,730	1,972	2,407	-11.8	22.1
Utah .....	2,835	3,109	3,033	7.0	-2.4
Other States <sup>1</sup> .....	46,318	42,904	46,470	0.3	8.3
United States .....	74,788	66,580	71,259	-4.7	7.0
Atlantic .....	15,544	16,473	15,903	2.3	-3.5
Central .....	41,922	37,233	42,118	0.5	13.1
West .....	17,322	12,874	13,238	-23.6	2.8

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

## Dairy Products Regions



**West:** Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming.

**Central:** Alabama, Arkansas, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Tennessee, Texas, Wisconsin.

**Atlantic:** Connecticut, Delaware, Florida, Georgia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, North Carolina, Rhode Island, South Carolina, Vermont, Virginia, West Virginia.

## 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 2017, there were 1,306 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).

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Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278
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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](http://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.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: [nass@nass.usda.gov](mailto:nass@nass.usda.gov).

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