



Dairy Products

ISSN: 1949-0399

Released September 5, 2018, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

July 2018 Highlights

Total cheese output (excluding cottage cheese) was 1.09 billion pounds, 3.7 percent above July 2017 and 2.7 percent above June 2018.

Italian type cheese production totaled 464 million pounds, 2.6 percent above July 2017 and 3.2 percent above June 2018.

American type cheese production totaled 440 million pounds, 6.1 percent above July 2017 and 2.3 percent above June 2018.

Butter production was 136 million pounds, 0.5 percent above July 2017 but 4.4 percent below June 2018.

Dry milk products (comparisons in percentage with July 2017)

Nonfat dry milk, human - 147 million pounds, down 3.4 percent.

Skim milk powder - 47.6 million pounds, down 0.5 percent.

Whey products (comparisons in percentage with July 2017)

Dry whey, total - 91.4 million pounds, down 9.0 percent.

Lactose, human and animal - 95.0 million pounds, down 3.1 percent.

Whey protein concentrate, total - 40.3 million pounds, down 2.1 percent.

Frozen products (comparisons in percentage with July 2017)

Ice cream, regular (hard) - 68.7 million gallons, down 1.0 percent.

Ice cream, lowfat (total) - 42.3 million gallons, down 1.2 percent.

Sherbet (hard) - 3.14 million gallons, down 5.5 percent.

Frozen yogurt (total) - 4.82 million gallons, down 7.1 percent.

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

Product	July 2017	June 2018	July 2018	Change from	
				July 2017	June 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	135,625	142,540	136,240	0.5	-4.4
Cheese					
American types ¹	414,495	429,895	439,827	6.1	2.3
Cheddar	298,285	313,351	326,395	9.4	4.2
Other American types	116,210	116,544	113,432	-2.4	-2.7
Blue and Gorgonzola	7,844	7,123	7,663	-2.3	7.6
Brick and Muenster	17,630	16,512	16,965	-3.8	2.7
Cream and Neufchatel	78,585	72,597	78,202	-0.5	7.7
Feta	11,934	12,167	12,623	5.8	3.7
Gouda	5,365	6,383	6,695	24.8	4.9
Hispanic	22,934	25,545	24,343	6.1	-4.7
Italian types	451,922	449,219	463,512	2.6	3.2
Mozzarella	352,014	353,869	364,909	3.7	3.1
Parmesan	39,411	33,542	34,331	-12.9	2.4
Provolone	34,478	32,615	35,700	3.5	9.5
Ricotta	15,377	17,535	17,531	14.0	-
Romano	4,587	5,235	5,183	13.0	-1.0
Other Italian types	6,055	6,423	5,858	-3.3	-8.8
Swiss	26,736	27,269	28,531	6.7	4.6
All other types	14,230	15,810	12,451	-12.5	-21.2
Total cheese ²	1,051,675	1,062,520	1,090,812	3.7	2.7
Cottage cheese, curd ³	33,267	33,781	33,967	2.1	0.6
Cottage cheese, cream ⁴	28,007	31,058	30,126	7.6	-3.0
Cottage cheese, lowfat ⁵	28,450	28,466	29,329	3.1	3.0
Sour cream	107,401	114,737	110,095	2.5	-4.0
Yogurt, plain and flavored	349,529	368,426	353,986	1.3	-3.9
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	69,394	71,761	68,671	-1.0	-4.3
Ice cream, lowfat, hard	18,457	22,082	19,186	3.9	-13.1
Ice cream, lowfat, soft	24,312	24,228	23,080	-5.1	-4.7
Ice cream, lowfat, total ⁶	42,769	46,310	42,266	-1.2	-8.7
Ice cream, nonfat, hard	528	658	623	18.0	-5.3
Sherbet, hard	3,319	3,409	3,135	-5.5	-8.0
Frozen yogurt, total	5,192	5,529	4,823	-7.1	-12.8
Regular and lowfat, hard	1,692	1,727	1,579	-6.7	-8.6
Nonfat, hard	655	586	399	-39.1	-31.9
Other frozen dairy products	2,218	2,343	2,655	19.7	13.3
Water and juice ices	7,295	7,612	7,081	-2.9	-7.0
Mix for frozen products					
Ice cream, regular, mix	42,947	43,797	43,089	0.3	-1.6
Ice cream, lowfat, mix ⁷	23,865	26,130	23,918	0.2	-8.5
Ice cream, nonfat, mix	514	584	515	0.2	-11.8
Sherbet mix	2,298	2,294	2,059	-10.4	-10.2
Yogurt mix	2,761	2,850	2,392	-13.4	-16.1

- Represents zero.

¹ Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

² Excludes Cottage Cheese.

³ Mostly used for processing into cream or lowfat cottage cheese.

⁴ Fat content 4 percent or more.

⁵ Fat content less than 4 percent.

⁶ Includes freezer-made milkshake.

⁷ Includes milkshake mix.

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

Product	July 2017	June 2018	July 2018	Change from	
				July 2017	June 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	8,489	6,441	5,771	-32.0	-10.4
Dry whey products					
Dry whey, human	98,674	86,230	89,735	-9.1	4.1
Dry whey, animal	1,728	1,573	1,658	-4.1	5.4
Dry whey, total	100,402	87,803	91,393	-9.0	4.1
Reduced lactose and minerals					
Human	2,596	1,788	2,001	-22.9	11.9
Animal	3,002	2,608	3,172	5.7	21.6
Whey protein concentrate					
Human ²	40,066	39,533	39,977	-0.2	1.1
Animal ²	1,126	329	367	-67.4	11.6
Total ²	41,192	39,862	40,344	-2.1	1.2
25.0-49.9 percent ³	14,892	14,082	16,238	9.0	15.3
50.0-89.9 percent ³	26,300	25,780	24,106	-8.3	-6.5
Whey protein isolates ⁴	9,927	10,100	10,226	3.0	1.2
Lactose, human and animal	98,117	91,796	95,043	-3.1	3.5
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	95,038	66,356	74,727	-21.4	12.6
Dry whey, animal	3,074	1,870	2,053	-33.2	9.8
Dry whey, total	98,112	68,226	76,780	-21.7	12.5
Reduced Lactose and minerals					
Human and animal ⁶	7,222	4,054	3,908	-45.9	-3.6
Whey protein concentrate					
Human ²	68,742	63,954	62,102	-9.7	-2.9
Animal ²	1,611	690	1,916	18.9	177.7
Total ²	70,353	64,644	64,018	-9.0	-1.0
25.0-49.9 percent ³	24,222	19,801	20,252	-16.4	2.3
50.0-89.9 percent ³	46,131	44,843	43,766	-5.1	-2.4
Whey protein isolates ⁴	25,422	25,976	26,399	3.8	1.6
Lactose, human and animal	145,121	102,079	89,425	-38.4	-12.4
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	23.6	24.0	17.5	-6.1	-6.5

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:
July 2017 and 2018**

Product	July 2017	June 2018	July 2018	Change from	
				July 2017	June 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	148,775	140,896	146,583	-1.5	4.0
Dry milk products					
Dry buttermilk, total	7,909	7,671	7,803	-1.3	1.7
Dry skim milk, animal	1,174	1,762	1,304	11.1	-26.0
Dry whole milk	9,736	11,209	8,133	-16.5	-27.4
Milk protein concentrate, total ¹	11,720	17,577	9,284	-20.8	-47.2
Nonfat dry milk, human	151,825	146,911	146,719	-3.4	-0.1
Skim milk powder, total ²	47,842	58,947	47,579	-0.5	-19.3
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	15,878	14,946	13,778	-13.2	-7.8
Dry skim milk, animal	4,355	2,668	2,070	-52.5	-22.4
Dry whole milk	21,864	56,604	51,856	137.2	-8.4
Nonfat dry milk, human	295,906	303,443	317,866	7.4	4.8
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	154,584	108,123	121,701	-21.3	12.6

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: 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)
Total cheese ¹						
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	1,062,520	1.6	6,273,595	6,411,447	2.2
July	1,051,675	1,090,812	3.7	7,325,270	7,502,259	2.4
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		
Total American cheese types ²						
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	429,895	2.5	2,551,499	2,591,180	1.6
July	414,495	439,827	6.1	2,965,994	3,031,007	2.2
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		
Cheddar cheese						
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	313,351	3.7	1,901,495	1,884,537	-0.9
July	298,285	326,395	9.4	2,199,780	2,210,932	0.5
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)
Total Italian cheese types						
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	449,219	-0.2	2,681,103	2,744,332	2.4
July	451,922	463,512	2.6	3,133,025	3,207,844	2.4
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		
Mozzarella						
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	353,869	1.3	2,076,030	2,130,850	2.6
July	352,014	364,909	3.7	2,428,044	2,495,759	2.8
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		
Other Italian cheese types						
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	6,423	-8.4	40,943	36,565	-10.7
July	6,055	5,858	-3.3	46,998	42,423	-9.7
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)
Butter						
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	142,540	2.4	980,647	1,020,196	4.0
July	135,625	136,240	0.5	1,116,272	1,156,436	3.6
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		
Nonfat dry milk, human						
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	146,911	-9.8	961,540	967,491	0.6
July	151,825	146,719	-3.4	1,113,365	1,114,210	0.1
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		
Skim milk powder, total ³						
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	47,579	-0.5	338,249	331,811	-1.9
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)
Dry whey, total ⁴						
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	87,803	-0.3	502,493	529,044	5.3
July	100,402	91,393	-9.0	602,895	620,437	2.9
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		
Lactose, human and animal						
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	91,796	-4.5	558,004	559,129	0.2
July	98,117	95,043	-3.1	656,121	654,172	-0.3
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		
Whey protein concentrate, total						
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	39,862	-1.1	242,764	250,442	3.2
July	41,192	40,344	-2.1	283,956	290,786	2.4
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)
Cottage cheese, cream						
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	30,126	7.6	191,943	207,837	8.3
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		
Cottage cheese, lowfat						
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	29,329	3.1	205,238	204,878	-0.2
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		
Sour cream						
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	114,737	-2.6	675,578	679,479	0.6
July	107,401	110,095	2.5	782,979	789,574	0.8
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)
Ice cream, regular hard						
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	71,761	-4.0	406,322	376,459	-7.3
July	69,394	68,671	-1.0	475,716	445,130	-6.4
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		
Ice cream, lowfat total						
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	46,310	1.0	247,411	238,172	-3.7
July	42,769	42,266	-1.2	290,180	280,438	-3.4
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		
Sherbet, hard						
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	3,409	-10.7	21,259	19,839	-6.7
July	3,319	3,135	-5.5	24,578	22,974	-6.5
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)
Yogurt, plain and flavored						
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	368,426	-2.1	2,300,075	2,230,044	-3.0
July	349,529	353,986	1.3	2,649,604	2,584,030	-2.5
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)
Frozen yogurt, total						
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	5,529	-1.4	35,406	32,302	-8.8
July	5,192	4,823	-7.1	40,598	37,125	-8.6
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		

- Represents zero.

¹ Excludes Cottage Cheese.

² Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

³ Includes protein standardized and blends.

⁴ Excludes all modified dry whey products.

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

State	July 2017	June 2018	July 2018	Change from	
				July 2017	June 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	213,046	204,975	211,157	-0.9	3.0
Idaho	74,554	83,416	85,642	14.9	2.7
Illinois	6,638	7,042	7,019	5.7	-0.3
Iowa	23,532	25,228	25,859	9.9	2.5
Minnesota	60,027	61,663	62,096	3.4	0.7
New Jersey	4,662	4,843	4,524	-3.0	-6.6
New Mexico	63,777	73,941	75,475	18.3	2.1
Ohio	17,908	19,218	19,501	8.9	1.5
Oregon	17,542	16,938	17,218	-1.8	1.7
Pennsylvania	33,353	36,547	34,426	3.2	-5.8
South Dakota	22,471	23,279	22,581	0.5	-3.0
Vermont	11,598	11,732	11,598	-	-1.1
Wisconsin	284,031	274,975	284,180	0.1	3.3
Other States ¹	218,536	218,723	229,536	5.0	4.9
United States	1,051,675	1,062,520	1,090,812	3.7	2.7
Atlantic	126,585	131,201	135,700	7.2	3.4
Central	491,389	488,527	495,718	0.9	1.5
West	433,701	442,792	459,394	5.9	3.7

- Represents zero.

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

American Cheese Production – States and United States: July 2017 and 2018

State	July 2017	June 2018	July 2018	Change from	
				July 2017	June 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	53,070	49,372	52,907	-0.3	7.2
Idaho	42,251	52,739	54,107	28.1	2.6
Iowa	11,965	16,267	15,884	32.8	-2.4
Oregon	17,467	16,846	17,147	-1.8	1.8
Wisconsin	83,730	83,307	84,200	0.6	1.1
Other States ¹	206,012	211,364	215,582	4.6	2.0
United States	414,495	429,895	439,827	6.1	2.3
Atlantic	27,081	27,118	26,519	-2.1	-2.2
Central	211,006	218,907	220,150	4.3	0.6
West	176,408	183,870	193,158	9.5	5.1

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

Cheddar Cheese Production – States and United States: July 2017 and 2018

State	July 2017	June 2018	July 2018	Change from	
				July 2017	June 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	29,757	25,818	26,754	-10.1	3.6
Idaho	31,412	40,827	43,299	37.8	6.1
Iowa	7,150	11,556	11,677	63.3	1.0
Minnesota	46,161	48,719	51,384	11.3	5.5
Oregon	14,280	13,498	14,449	1.2	7.0
Vermont	8,556	8,088	8,187	-4.3	1.2
Wisconsin	58,193	56,941	58,700	0.9	3.1
Other States ¹	102,776	107,904	111,945	8.9	3.7
United States	298,285	313,351	326,395	9.4	4.2
Atlantic	25,844	25,399	25,343	-1.9	-0.2
Central	151,485	159,264	164,487	8.6	3.3
West	120,956	128,688	136,565	12.9	6.1

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: July 2017 and 2018

State	July 2017	June 2018	July 2018	Change from	
				July 2017	June 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	138,795	131,707	137,578	-0.9	4.5
Idaho	24,761	24,616	24,741	-0.1	0.5
Pennsylvania	21,084	21,952	21,946	4.1	-
Wisconsin	143,187	143,459	144,670	1.0	0.8
Other States ¹	124,095	127,485	134,577	8.4	5.6
United States	451,922	449,219	463,512	2.6	3.2
Atlantic	53,372	56,553	58,174	9.0	2.9
Central	186,159	183,333	185,884	-0.1	1.4
West	212,391	209,333	219,454	3.3	4.8

- Represents zero.

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

Mozzarella Cheese Production – States and United States: July 2017 and 2018

State	July 2017	June 2018	July 2018	Change from	
				July 2017	June 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	124,980	120,339	123,506	-1.2	2.6
Idaho	23,626	23,614	23,875	1.1	1.1
Pennsylvania	18,253	19,176	19,051	4.4	-0.7
Wisconsin	96,469	94,720	97,000	0.6	2.4
Other States ¹	88,686	96,020	101,477	14.4	5.7
United States	352,014	353,869	364,909	3.7	3.1
Atlantic	35,223	39,276	38,736	10.0	-1.4
Central	121,028	119,044	123,152	1.8	3.5
West	195,763	195,549	203,021	3.7	3.8

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

Butter Production – States and United States: July 2017 and 2018

State	July 2017	June 2018	July 2018	Change from	
				July 2017	June 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	38,165	44,460	42,726	12.0	-3.9
Pennsylvania	7,420	6,618	6,902	-7.0	4.3
Other States ¹	90,040	91,462	86,612	-3.8	-5.3
United States	135,625	142,540	136,240	0.5	-4.4
Atlantic	13,536	13,669	12,146	-10.3	-11.1
Central	56,017	57,821	53,599	-4.3	-7.3
West	66,072	71,050	70,495	6.7	-0.8

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

Nonfat Dry Milk (Human) Production – States and United States: July 2017 and 2018

State	July 2017	June 2018	July 2018	Change from	
				July 2017	June 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	43,347	37,384	32,139	-25.9	-14.0
Pennsylvania	16,186	17,241	16,913	4.5	-1.9
Other States ¹	92,292	92,286	97,667	5.8	5.8
United States	151,825	146,911	146,719	-3.4	-0.1
Atlantic	32,430	34,874	34,790	7.3	-0.2
Central	31,009	34,197	31,520	1.6	-7.8
West	88,386	77,840	80,409	-9.0	3.3

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: July 2017 and 2018

State	July 2017	June 2018	July 2018	Change from	
				July 2017	June 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Wisconsin	32,093	28,460	26,591	-17.1	-6.6
Other States ¹	66,581	57,770	63,144	-5.2	9.3
United States	98,674	86,230	89,735	-9.1	4.1
Atlantic	22,208	22,229	22,253	0.2	0.1
Central	44,100	39,293	37,773	-14.3	-3.9
West	32,366	24,708	29,709	-8.2	20.2

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: July 2017 and 2018

State	July 2017	June 2018	July 2018	Change from	
				July 2017	June 2018
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	10,119	6,785	7,389	-27.0	8.9
Connecticut	1,016	996	1,033	1.7	3.7
Missouri	2,885	3,991	3,388	17.4	-15.1
Ohio	2,214	2,595	2,851	28.8	9.9
Oregon	1,168	1,330	1,444	23.6	8.6
Pennsylvania	3,789	3,678	3,676	-3.0	-0.1
Tennessee	2,225	2,407	1,975	-11.2	-17.9
Utah	2,394	3,033	2,839	18.6	-6.4
Other States ¹	43,584	46,946	44,076	1.1	-6.1
United States	69,394	71,761	68,671	-1.0	-4.3
Atlantic	14,652	15,921	15,788	7.8	-0.8
Central	38,578	42,593	39,063	1.3	-8.3
West	16,164	13,247	13,820	-14.5	4.3

¹ 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.

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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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