



Dairy Products

ISSN: 1949-0399

Released March 14, 2019, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

January 2019 Highlights

Total cheese output (excluding cottage cheese) was 1.10 billion pounds, 0.4 percent above January 2018 and 0.7 percent above December 2018.

Italian type cheese production totaled 481 million pounds, 1.3 percent above January 2018 and 0.3 percent above December 2018.

American type cheese production totaled 439 million pounds, 1.2 percent above January 2018 and 3.2 percent above December 2018.

Butter production was 190 million pounds, 4.2 percent above January 2018 and 10.4 percent above December 2018.

Dry milk products (comparisons in percentage with January 2018)

Nonfat dry milk, human - 173 million pounds, up 7.7 percent.

Skim milk powder - 30.4 million pounds, down 33.5 percent.

Whey products (comparisons in percentage with January 2018)

Dry whey, total - 81.2 million pounds, down 10.1 percent.

Lactose, human and animal - 105 million pounds, up 10.9 percent.

Whey protein concentrate, total - 52.2 million pounds, up 20.0 percent.

Frozen products (comparisons in percentage with January 2018)

Ice cream, regular (hard) - 53.0 million gallons, down 3.2 percent.

Ice cream, lowfat (total) - 28.1 million gallons, down 10.2 percent.

Sherbet (hard) - 2.47 million gallons, down 17.0 percent.

Frozen yogurt (total) - 4.23 million gallons, down 8.5 percent.

Contents

Dairy Products Production by Product – United States: January 2018 and 2019	3
Whey and Modified Whey Products Production, Stocks, and Prices – United States: January 2018 and 2019	4
Condensed and Dry Milk Products Production, Stocks, and Shipments – United States: January 2018 and 2019	5
Dairy Products Production by Product and Month – United States: 2018 and 2019	6
Total Cheese Production Excluding Cottage Cheese – States and United States: January 2018 and 2019	13
American Cheese Production – States and United States: January 2018 and 2019	14
Cheddar Cheese Production – States and United States: January 2018 and 2019	14
Total Italian Cheese Production – States and United States: January 2018 and 2019	15
Mozzarella Cheese Production – States and United States: January 2018 and 2019	15
Butter Production – States and United States: January 2018 and 2019	16
Nonfat Dry Milk (Human) Production – States and United States: January 2018 and 2019	16
Dry Whey (Human) Production – States and United States: January 2018 and 2019	17
Ice Cream, Regular (Hard) Production – States and United States: January 2018 and 2019	17
Dairy Products Regions.....	18
Statistical Methodology.....	19
Information Contacts.....	20

Dairy Products Production by Product – United States: January 2018 and 2019

Product	January 2018	December 2018	January 2019	Change from	
				January 2018	December 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	182,088	171,917	189,806	4.2	10.4
Cheese					
American types ¹	433,670	425,245	438,714	1.2	3.2
Cheddar	318,254	306,902	322,594	1.4	5.1
Other American types	115,416	118,343	116,120	0.6	-1.9
Blue and Gorgonzola	7,380	8,592	7,522	1.9	-12.5
Brick and Muenster	15,580	14,835	17,987	15.4	21.2
Cream and Neufchatel	84,978	82,034	75,438	-11.2	-8.0
Feta	9,890	8,469	9,751	-1.4	15.1
Gouda	5,072	4,115	5,535	9.1	34.5
Hispanic	22,884	29,118	23,368	2.1	-19.7
Italian types	474,348	479,405	480,742	1.3	0.3
Mozzarella	366,988	378,867	379,250	3.3	0.1
Parmesan	41,446	37,719	38,820	-6.3	2.9
Provolone	32,706	28,887	30,472	-6.8	5.5
Ricotta	22,985	22,036	21,582	-6.1	-2.1
Romano	4,674	5,478	3,868	-17.2	-29.4
Other Italian types	5,549	6,418	6,750	21.6	5.2
Swiss	28,335	27,890	29,568	4.4	6.0
All other types	14,383	13,267	11,833	-17.7	-10.8
Total cheese ²	1,096,520	1,092,970	1,100,458	0.4	0.7
Cottage cheese, curd ³	30,379	27,320	32,575	7.2	19.2
Cottage cheese, cream ⁴	25,546	24,504	28,322	10.9	15.6
Cottage cheese, lowfat ⁵	26,867	22,906	28,071	4.5	22.5
Sour cream	118,603	127,100	121,604	2.5	-4.3
Yogurt, plain and flavored	365,342	345,725	384,097	5.1	11.1
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	54,718	43,687	52,994	-3.2	21.3
Ice cream, lowfat, hard	15,740	13,541	15,398	-2.2	13.7
Ice cream, lowfat, soft	15,501	13,060	12,658	-18.3	-3.1
Ice cream, lowfat, total ⁶	31,241	26,601	28,056	-10.2	5.5
Ice cream, nonfat, hard	728	256	533	-26.8	108.2
Sherbet, hard	2,975	2,269	2,469	-17.0	8.8
Frozen yogurt, total	4,617	3,466	4,225	-8.5	21.9
Regular and lowfat, hard	1,847	1,218	1,562	-15.4	28.2
Nonfat, hard	363	249	256	-29.5	2.8
Other frozen dairy products	2,008	1,113	1,821	-9.3	63.6
Water and juice ices	4,070	2,897	2,886	-29.1	-0.4
Mix for frozen products					
Ice cream, regular, mix	31,839	24,996	34,726	9.1	38.9
Ice cream, lowfat, mix ⁷	17,566	14,947	15,684	-10.7	4.9
Ice cream, nonfat, mix	518	348	614	18.5	76.4
Sherbet mix	1,776	1,419	1,601	-9.9	12.8
Yogurt mix	2,377	2,062	2,133	-10.3	3.4

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:
January 2018 and 2019**

Product	January 2018	December 2018	January 2019	Change from	
				January 2018	December 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	6,733	8,023	7,946	18.0	-1.0
Dry whey products					
Dry whey, human	88,087	73,196	79,703	-9.5	8.9
Dry whey, animal	2,232	1,309	1,499	-32.8	14.5
Dry whey, total	90,319	74,505	81,202	-10.1	9.0
Reduced lactose and minerals					
Human	1,895	1,800	1,837	-3.1	2.1
Animal	3,042	2,571	3,321	9.2	29.2
Whey protein concentrate					
Human ²	43,183	40,199	50,682	17.4	26.1
Animal ²	278	652	1,476	430.9	126.4
Total ²	43,461	40,851	52,158	20.0	27.7
25.0-49.9 percent ³	16,161	17,674	26,925	66.6	52.3
50.0-89.9 percent ³	27,300	23,177	25,233	-7.6	8.9
Whey protein isolates ⁴	9,578	10,685	10,764	12.4	0.7
Lactose, human and animal	94,834	106,138	105,214	10.9	-0.9
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	89,019	65,141	78,683	-11.6	20.8
Dry whey, animal	1,199	997	706	-41.1	-29.2
Dry whey, total	90,218	66,138	79,389	-12.0	20.0
Reduced Lactose and minerals					
Human and animal ⁶	4,860	4,433	4,433	-8.8	-
Whey protein concentrate					
Human ²	85,207	64,314	72,932	-14.4	13.4
Animal ²	619	1,078	2,433	293.1	125.7
Total ²	85,826	65,392	75,365	-12.2	15.3
25.0-49.9 percent ³	25,163	25,066	28,684	14.0	14.4
50.0-89.9 percent ³	60,663	40,326	46,681	-23.0	15.8
Whey protein isolates ⁴	28,171	23,363	22,699	-19.4	-2.8
Lactose, human and animal	126,343	105,245	109,233	-13.5	3.8
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	16.3	34.7	27.6	11.2	-7.2

- Represents zero.

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

² Whey protein concentrate, 25.0 to 89.9 percent.

³ Whey protein concentrate, human and animal.

⁴ Whey protein isolate, 90.0 percent or greater.

⁵ Stocks held by manufacturers at all points and in transit.

⁶ Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

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

**Condensed and Dry Milk Products Production, Stocks, and Shipments – United States:
January 2018 and 2019**

Product	January 2018	December 2018	January 2019	Change from	
				January 2018	December 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	119,029	94,160	117,889	-1.0	25.2
Dry milk products					
Dry buttermilk, total	13,098	9,295	13,189	0.7	41.9
Dry skim milk, animal	720	1,572	560	-22.2	-64.4
Dry whole milk	10,143	6,440	12,504	23.3	94.2
Milk protein concentrate, total ¹	15,596	10,242	12,016	-23.0	17.3
Nonfat dry milk, human	160,301	142,741	172,647	7.7	21.0
Skim milk powder, total ²	45,753	50,801	30,406	-33.5	-40.1
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	25,068	19,141	20,713	-17.4	8.2
Dry skim milk, animal	2,425	3,887	3,930	62.1	1.1
Dry whole milk	34,090	16,836	17,952	-47.3	6.6
Nonfat dry milk, human	306,988	274,707	283,606	-7.6	3.2
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	137,444	170,000	152,810	11.2	-10.1

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: 2018 and 2019

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,096,520	1,100,458	0.4	1,096,520	1,100,458	0.4
February	985,969			2,082,489		
March	1,108,389			3,190,878		
April	1,073,438			4,264,316		
May	1,084,611			5,348,927		
June	1,062,520			6,411,447		
July	1,082,772			7,494,219		
August	1,078,404			8,572,623		
September	1,054,470			9,627,093		
October	1,129,891			10,756,984		
November	642,699			11,399,683		
December	1,092,970			12,492,653		
Total American cheese types ²						
January	433,670	438,714	1.2	433,670	438,714	1.2
February	397,364			831,034		
March	443,491			1,274,525		
April	443,257			1,717,782		
May	443,503			2,161,285		
June	429,895			2,591,180		
July	440,653			3,031,833		
August	426,427			3,458,260		
September	417,313			3,875,573		
October	438,187			4,313,760		
November	250,206			4,563,966		
December	425,245			4,989,211		
Cheddar cheese						
January	318,254	322,594	1.4	318,254	322,594	1.4
February	293,255			611,509		
March	321,144			932,653		
April	318,849			1,251,502		
May	319,684			1,571,186		
June	313,351			1,884,537		
July	326,370			2,210,907		
August	303,563			2,514,470		
September	290,846			2,805,316		
October	307,510			3,112,826		
November	169,636			3,282,462		
December	306,902			3,589,364		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	474,348	480,742	1.3	474,348	480,742	1.3
February	426,472			900,820		
March	481,404			1,382,224		
April	455,198			1,837,422		
May	457,691			2,295,113		
June	449,219			2,744,332		
July	463,547			3,207,879		
August	455,993			3,663,872		
September	450,871			4,114,743		
October	474,764			4,589,507		
November	272,736			4,862,243		
December	479,405			5,341,648		
Mozzarella						
January	366,988	379,250	3.3	366,988	379,250	3.3
February	327,413			694,401		
March	371,264			1,065,665		
April	353,725			1,419,390		
May	357,591			1,776,981		
June	353,869			2,130,850		
July	367,215			2,498,065		
August	358,177			2,856,242		
September	358,006			3,214,248		
October	373,332			3,587,580		
November	232,938			3,820,518		
December	378,867			4,199,385		
Other Italian cheese types						
January	5,549	6,750	21.6	5,549	6,750	21.6
February	5,680			11,229		
March	6,460			17,689		
April	5,869			23,558		
May	6,584			30,142		
June	6,423			36,565		
July	6,041			42,606		
August	6,171			48,777		
September	6,757			55,534		
October	6,261			61,795		
November	380			62,175		
December	6,418			68,593		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	182,088	189,806	4.2	182,088	189,806	4.2
February	170,116			352,204		
March	182,046			534,250		
April	175,297			709,547		
May	168,109			877,656		
June	142,540			1,020,196		
July	134,561			1,154,757		
August	133,982			1,288,739		
September	134,800			1,423,539		
October	143,480			1,567,019		
November	130,903			1,697,922		
December	171,917			1,869,839		
Nonfat dry milk, human						
January	160,301	172,647	7.7	160,301	172,647	7.7
February	157,833			318,134		
March	178,694			496,828		
April	163,859			660,687		
May	159,893			820,580		
June	146,911			967,491		
July	144,296			1,111,787		
August	122,805			1,234,592		
September	108,826			1,343,418		
October	125,067			1,468,485		
November	148,558			1,617,043		
December	142,741			1,759,784		
Skim milk powder, total ³						
January	45,753	30,406	-33.5	45,753	30,406	-33.5
February	37,666			83,419		
March	42,055			125,474		
April	49,446			174,920		
May	50,365			225,285		
June	58,947			284,232		
July	47,488			331,720		
August	47,560			379,280		
September	46,592			425,872		
October	37,464			463,336		
November	49,846			513,182		
December	50,801			563,983		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	90,319	81,202	-10.1	90,319	81,202	-10.1
February	89,599			179,918		
March	90,653			270,571		
April	85,149			355,720		
May	85,521			441,241		
June	87,803			529,044		
July	92,595			621,639		
August	78,954			700,593		
September	71,228			771,821		
October	86,967			858,788		
November	52,596			911,384		
December	74,505			985,889		
Lactose, human and animal						
January	94,834	105,214	10.9	94,834	105,214	10.9
February	86,294			181,128		
March	99,650			280,778		
April	94,011			374,789		
May	92,544			467,333		
June	91,796			559,129		
July	97,044			656,173		
August	94,380			750,553		
September	88,157			838,710		
October	85,771			924,481		
November	68,632			993,113		
December	106,138			1,099,251		
Whey protein concentrate, total						
January	43,461	52,158	20.0	43,461	52,158	20.0
February	39,391			82,852		
March	44,932			127,784		
April	40,926			168,710		
May	41,870			210,580		
June	39,862			250,442		
July	39,798			290,240		
August	41,767			332,007		
September	42,020			374,027		
October	42,890			416,917		
November	22,734			439,651		
December	40,851			480,502		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	25,546	28,322	10.9	25,546	28,322	10.9
February	26,932			52,478		
March	32,696			85,174		
April	29,111			114,285		
May	32,368			146,653		
June	31,058			177,711		
July	30,126			207,837		
August	31,415			239,252		
September	29,013			268,265		
October	29,851			298,116		
November	23,325			321,441		
December	24,504			345,945		
Cottage cheese, lowfat						
January	26,867	28,071	4.5	26,867	28,071	4.5
February	27,567			54,434		
March	31,348			85,782		
April	29,815			115,597		
May	31,486			147,083		
June	28,466			175,549		
July	29,329			204,878		
August	31,958			236,836		
September	27,266			264,102		
October	28,298			292,400		
November	21,363			313,763		
December	22,906			336,669		
Sour cream						
January	118,603	121,604	2.5	118,603	121,604	2.5
February	98,994			217,597		
March	116,393			333,990		
April	111,878			445,868		
May	118,874			564,742		
June	114,737			679,479		
July	110,077			789,556		
August	118,830			908,386		
September	108,381			1,016,767		
October	128,045			1,144,812		
November	111,362			1,256,174		
December	127,100			1,383,274		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	54,718	52,994	-3.2	54,718	52,994	-3.2
February	55,411			110,129		
March	64,388			174,517		
April	63,601			238,118		
May	66,580			304,698		
June	71,761			376,459		
July	70,443			446,902		
August	71,559			518,461		
September	59,019			577,480		
October	59,756			637,236		
November	36,433			673,669		
December	43,687			717,356		
Ice cream, lowfat total						
January	31,241	28,056	-10.2	31,241	28,056	-10.2
February	33,849			65,090		
March	41,268			106,358		
April	40,329			146,687		
May	45,175			191,862		
June	46,310			238,172		
July	43,435			281,607		
August	42,970			324,577		
September	34,572			359,149		
October	33,891			393,040		
November	20,934			413,974		
December	26,601			440,575		
Sherbet, hard						
January	2,975	2,469	-17.0	2,975	2,469	-17.0
February	2,995			5,970		
March	3,292			9,262		
April	3,654			12,916		
May	3,514			16,430		
June	3,409			19,839		
July	3,151			22,990		
August	3,467			26,457		
September	3,188			29,645		
October	3,109			32,754		
November	1,638			34,392		
December	2,269			36,661		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	365,342	384,097	5.1	365,342	384,097	5.1
February	375,716			741,058		
March	390,586			1,131,644		
April	358,583			1,490,227		
May	371,391			1,861,618		
June	368,426			2,230,044		
July	358,204			2,588,248		
August	397,456			2,985,704		
September	369,615			3,355,319		
October	369,690			3,725,009		
November	289,227			4,014,236		
December	345,725			4,359,961		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	4,617	4,225	-8.5	4,617	4,225	-8.5
February	4,624			9,241		
March	6,583			15,824		
April	5,646			21,470		
May	5,303			26,773		
June	5,529			32,302		
July	4,937			37,239		
August	4,567			41,806		
September	4,403			46,209		
October	4,074			50,283		
November	797			51,080		
December	3,466			54,546		

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:
January 2018 and 2019**

State	January 2018	December 2018	January 2019	Change from	
				January 2018	December 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	216,779	221,430	214,020	-1.3	-3.3
Idaho	85,420	85,161	86,681	1.5	1.8
Illinois	5,533	6,250	5,727	3.5	-8.4
Iowa	22,447	26,039	28,470	26.8	9.3
Minnesota	61,870	65,561	65,281	5.5	-0.4
New Jersey	4,888	5,272	4,870	-0.4	-7.6
New Mexico	68,293	68,728	79,979	17.1	16.4
Ohio	21,050	17,962	18,156	-13.7	1.1
Oregon	17,541	18,644	18,035	2.8	-3.3
Pennsylvania	38,353	36,913	37,962	-1.0	2.8
South Dakota	25,536	24,716	26,578	4.1	7.5
Vermont	12,199	13,358	12,663	3.8	-5.2
Wisconsin	290,411	280,566	278,738	-4.0	-0.7
Other States ¹	226,200	222,370	223,298	-1.3	0.4
United States	1,096,520	1,092,970	1,100,458	0.4	0.7
Atlantic	145,345	133,604	138,839	-4.5	3.9
Central	496,794	491,389	492,429	-0.9	0.2
West	454,381	467,977	469,190	3.3	0.3

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

American Cheese Production – States and United States: January 2018 and 2019

State	January 2018	December 2018	January 2019	Change from	
				January 2018	December 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	53,666	54,124	49,079	-8.5	-9.3
Idaho	55,267	50,303	51,639	-6.6	2.7
Iowa	13,332	16,358	16,146	21.1	-1.3
Oregon	17,468	18,553	17,954	2.8	-3.2
Wisconsin	90,287	84,600	87,300	-3.3	3.2
Other States ¹	203,650	201,307	216,596	6.4	7.6
United States	433,670	425,245	438,714	1.2	3.2
Atlantic	27,431	28,660	29,847	8.8	4.1
Central	216,212	211,649	215,921	-0.1	2.0
West	190,027	184,936	192,946	1.5	4.3

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

Cheddar Cheese Production – States and United States: January 2018 and 2019

State	January 2018	December 2018	January 2019	Change from	
				January 2018	December 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	31,058	32,674	31,289	0.7	-4.2
Idaho	43,813	36,820	38,013	-13.2	3.2
Iowa	7,938	9,454	7,994	0.7	-15.4
Minnesota	50,108	51,255	51,493	2.8	0.5
Oregon	14,178	15,390	13,385	-5.6	-13.0
Vermont	8,672	8,686	8,935	3.0	2.9
Wisconsin	65,683	60,100	65,300	-0.6	8.7
Other States ¹	96,804	92,523	106,185	9.7	14.8
United States	318,254	306,902	322,594	1.4	5.1
Atlantic	26,396	27,061	28,064	6.3	3.7
Central	157,580	151,422	158,124	0.3	4.4
West	134,278	128,419	136,406	1.6	6.2

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: January 2018 and 2019

State	January 2018	December 2018	January 2019	Change from	
				January 2018	December 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	142,319	143,340	143,883	1.1	0.4
Idaho	23,336	29,162	27,969	19.9	-4.1
Pennsylvania	23,169	23,118	22,959	-0.9	-0.7
Wisconsin	145,181	140,620	141,823	-2.3	0.9
Other States ¹	140,343	143,165	144,108	2.7	0.7
United States	474,348	479,405	480,742	1.3	0.3
Atlantic	62,645	60,640	60,774	-3.0	0.2
Central	191,464	185,607	189,504	-1.0	2.1
West	220,239	233,158	230,464	4.6	-1.2

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

Mozzarella Cheese Production – States and United States: January 2018 and 2019

State	January 2018	December 2018	January 2019	Change from	
				January 2018	December 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	127,839	133,236	131,873	3.2	-1.0
Idaho	22,452	28,161	27,194	21.1	-3.4
Pennsylvania	20,196	20,021	20,093	-0.5	0.4
Wisconsin	94,050	91,000	93,100	-1.0	2.3
Other States ¹	102,451	106,449	106,990	4.4	0.5
United States	366,988	378,867	379,250	3.3	0.1
Atlantic	42,014	39,289	39,601	-5.7	0.8
Central	121,237	118,712	123,301	1.7	3.9
West	203,737	220,866	216,348	6.2	-2.0

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

Butter Production – States and United States: January 2018 and 2019

State	January 2018	December 2018	January 2019	Change from	
				January 2018	December 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	53,872	46,385	52,754	-2.1	13.7
Pennsylvania	8,860	8,787	8,842	-0.2	0.6
Other States ¹	119,356	116,745	128,210	7.4	9.8
United States	182,088	171,917	189,806	4.2	10.4
Atlantic	19,592	19,193	20,894	6.6	8.9
Central	75,714	74,782	83,067	9.7	11.1
West	86,782	77,942	85,845	-1.1	10.1

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: January 2018 and 2019

State	January 2018	December 2018	January 2019	Change from	
				January 2018	December 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	57,858	37,524	65,801	13.7	75.4
Pennsylvania	16,260	15,546	14,255	-12.3	-8.3
Other States ¹	86,183	89,671	92,591	7.4	3.3
United States	160,301	142,741	172,647	7.7	21.0
Atlantic	25,745	37,285	27,010	4.9	-27.6
Central	32,166	32,313	35,947	11.8	11.2
West	102,390	73,143	109,690	7.1	50.0

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: January 2018 and 2019

State	January 2018	December 2018	January 2019	Change from	
				January 2018	December 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Wisconsin	30,183	23,819	21,735	-28.0	-8.7
Other States ¹	57,904	49,377	57,968	0.1	17.4
United States	88,087	73,196	79,703	-9.5	8.9
Atlantic	20,772	21,350	21,706	4.5	1.7
Central	42,747	33,232	31,347	-26.7	-5.7
West	24,568	18,614	26,650	8.5	43.2

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

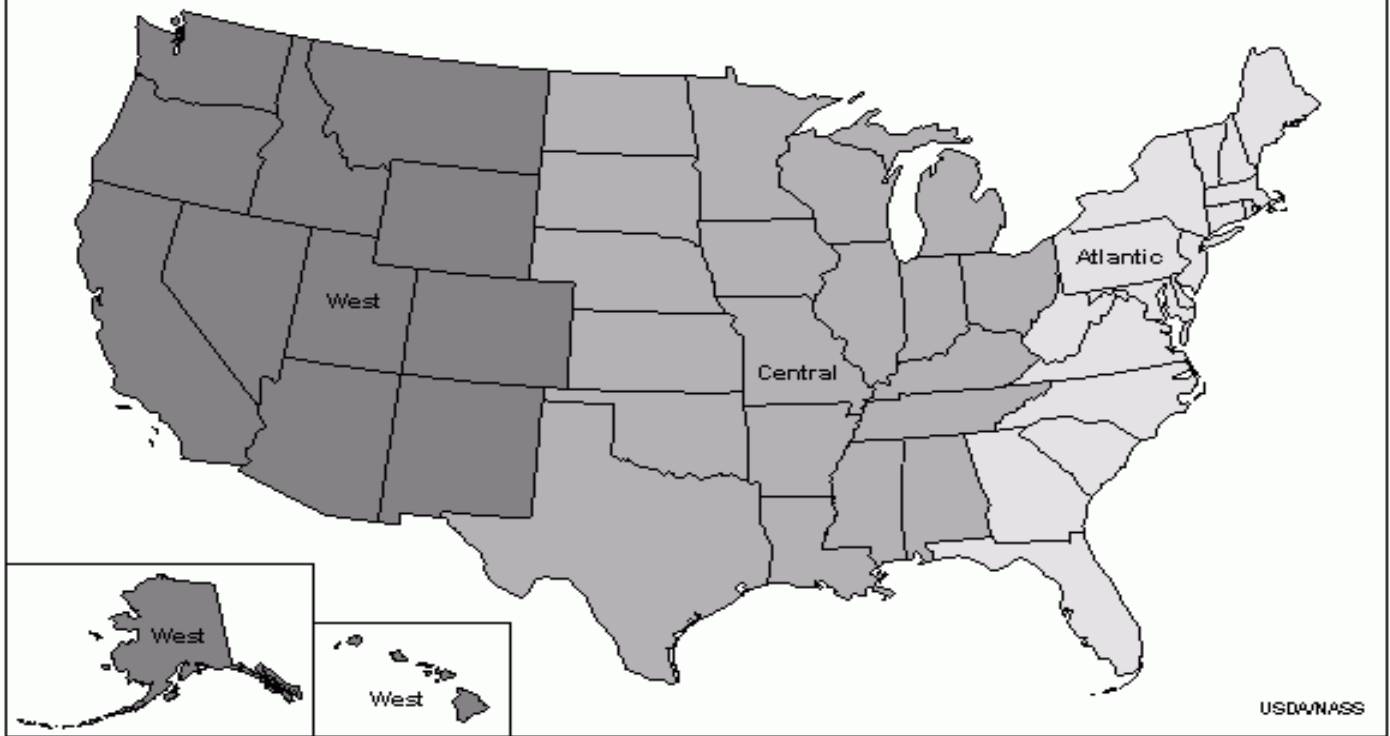
Ice Cream, Regular (Hard) Production – States and United States: January 2018 and 2019

State	January 2018	December 2018	January 2019	Change from	
				January 2018	December 2018
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	4,800	2,959	4,390	-8.5	48.4
Connecticut	917	783	953	3.9	21.7
Missouri	4,315	1,852	1,852	-57.1	0.0
Ohio	2,018	1,960	2,139	6.0	9.1
Oregon	894	1,141	1,258	40.7	10.3
Pennsylvania	2,881	3,831	2,697	-6.4	-29.6
Tennessee	1,824	1,426	1,824	-	27.9
Utah	2,166	905	1,499	-30.8	65.6
Other States ¹	34,903	28,830	36,382	4.2	26.2
United States	54,718	43,687	52,994	-3.2	21.3
Atlantic	12,192	11,257	12,224	0.3	8.6
Central	32,880	25,296	31,763	-3.4	25.6
West	9,646	7,134	9,007	-6.6	26.3

- Represents zero.

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.

Travis Averill, Chief, Livestock Branch	(202) 720-3570
Scott Hollis, Head, Livestock Section	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter	(202) 690-8632
Holly Brenize – Sheep and Goats	(202) 720-0585
Donnie Fike – Dairy Products	(202) 720-4448
Heidi Gleich – Cattle, Cattle on Feed	(202) 720-3040
Mike Miller – Milk Production and Milk Cows	(202) 720-3278
Seth Riggins – Hogs and Pigs	(202) 720-3106

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- 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.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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.

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USDA NASS Data Users' Meeting
Tuesday, April 23, 2019

University of Chicago – Gleacher Center
450 North Cityfront Plaza Drive
Chicago, IL 60611
312-464-8787

USDA's National Agricultural Statistics Service will hold an open forum for users of U.S. domestic and international agriculture data. NASS is organizing the 2019 Data Users' Meeting in cooperation with five other USDA agencies – Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Agency representatives will provide updates on recent and pending changes in statistical and information programs important to agriculture, answer questions, and welcome comments and input from data users.

For registration details or additional information about the Data Users' Meeting, see the meeting page on the NASS website (https://www.nass.usda.gov/Education_and_Outreach/Meeting/index.php). Contact Vernita Murray (NASS) at 202-690-8141 or vernita.murray@nass.usda.gov or Patricia Snipe (NASS) at 202-720-2248 or patricia.snipe@nass.usda.gov for information.

The Data Users' Meeting precedes the Industry Outlook Conference at the same location on Wednesday, April 24, 2019. The outlook meeting brings together analysts from various commodity sectors to discuss developments and trends. For registration details or additional information about the Industry Outlook Conference, see the conference page on the LMIC website (<http://lmic.info/page/meetings>). Or contact Laura Lahr at 303-716-9935 or laura.lahr@lmic.info.