



Dairy Products

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March 2020 Highlights

Total cheese output (excluding cottage cheese) was 1.12 billion pounds, 0.2 percent above March 2019 and 9.0 percent above February 2020.

Italian type cheese production totaled 488 million pounds, 1.1 percent below March 2019 but 8.8 percent above February 2020.

American type cheese production totaled 449 million pounds, 1.4 percent above March 2019 and 7.2 percent above February 2020.

Butter production was 194 million pounds, 7.5 percent above March 2019 and 3.3 percent above February 2020.

Dry milk products (comparisons in percentage with March 2019)

Nonfat dry milk, human - 173 million pounds, up 6.7 percent.

Skim milk powder - 40.8 million pounds, down 15.4 percent.

Whey products (comparisons in percentage with March 2019)

Dry whey, total - 81.6 million pounds, up 5.4 percent.

Lactose, human and animal - 96.1 million pounds, down 15.8 percent.

Whey protein concentrate, total - 39.0 million pounds, down 7.3 percent.

Frozen products (comparisons in percentage with March 2019)

Ice cream, regular (hard) - 64.0 million gallons, down 2.9 percent.

Ice cream, lowfat (total) - 37.9 million gallons, down 10.8 percent.

Sherbet (hard) - 3.11 million gallons, down 3.7 percent.

Frozen yogurt (total) - 5.62 million gallons, down 1.3 percent.

Contents

Dairy Products Production by Product – United States: March 2019 and 2020.....	3
Whey and Modified Whey Products Production, Stocks, and Prices – United States: March 2019 and 2020.....	4
Condensed and Dry Milk Products Production, Stocks, and Shipments – United States: March 2019 and 2020.....	5
Dairy Products Production by Product and Month – United States: 2019 and 2020.....	6
Total Cheese Production Excluding Cottage Cheese – States and United States: March 2019 and 2020.....	13
American Cheese Production – States and United States: March 2019 and 2020.....	14
Cheddar Cheese Production – States and United States: March 2019 and 2020.....	14
Total Italian Cheese Production – States and United States: March 2019 and 2020.....	15
Mozzarella Cheese Production – States and United States: March 2019 and 2020.....	15
Butter Production – States and United States: March 2019 and 2020.....	16
Nonfat Dry Milk (Human) Production – States and United States: March 2019 and 2020.....	16
Dry Whey (Human) Production – States and United States: March 2019 and 2020.....	17
Ice Cream, Regular (Hard) Production – States and United States: March 2019 and 2020.....	17
Dairy Products Regions.....	18
Statistical Methodology.....	19
Information Contacts.....	20

Dairy Products Production by Product – United States: March 2019 and 2020

Product	March 2019	February 2020	March 2020	Change from	
				March 2019	February 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	180,694	188,035	194,287	7.5	3.3
Cheese					
American types ¹	442,723	418,605	448,877	1.4	7.2
Cheddar	315,229	302,408	318,739	1.1	5.4
Other American types	127,494	116,197	130,138	2.1	12.0
Blue and Gorgonzola	7,977	7,035	7,272	-8.8	3.4
Brick and Muenster	14,806	15,042	16,166	9.2	7.5
Cream and Neufchatel	79,212	62,709	78,065	-1.4	24.5
Feta	11,479	9,400	12,669	10.4	34.8
Gouda	4,136	4,927	4,209	1.8	-14.6
Hispanic	28,755	26,821	30,117	4.7	12.3
Italian types	493,275	448,190	487,613	-1.1	8.8
Mozzarella	391,166	353,200	389,515	-0.4	10.3
Parmesan	37,118	36,596	34,667	-6.6	-5.3
Provolone	30,873	29,137	29,139	-5.6	-
Ricotta	22,352	19,096	22,956	2.7	20.2
Romano	4,301	4,265	4,732	10.0	10.9
Other Italian types	7,465	5,896	6,604	-11.5	12.0
Swiss	27,682	26,640	27,029	-2.4	1.5
All other types	12,369	12,303	12,351	-0.1	0.4
Total cheese ²	1,122,414	1,031,672	1,124,368	0.2	9.0
Cottage cheese, curd ³	33,388	28,990	33,847	1.4	16.8
Cottage cheese, cream ⁴	29,846	26,172	32,439	8.7	23.9
Cottage cheese, lowfat ⁵	27,765	24,434	27,691	-0.3	13.3
Sour cream	108,617	101,869	118,736	9.3	16.6
Yogurt, plain and flavored	399,699	375,155	418,178	4.6	11.5
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	65,957	52,484	64,026	-2.9	22.0
Ice cream, lowfat, hard	22,369	18,982	23,199	3.7	22.2
Ice cream, lowfat, soft	20,169	14,296	14,738	-26.9	3.1
Ice cream, lowfat, total ⁶	42,538	33,278	37,937	-10.8	14.0
Ice cream, nonfat, hard	800	433	625	-21.9	44.3
Sherbet, hard	3,225	3,021	3,107	-3.7	2.8
Frozen yogurt, total	5,691	4,160	5,615	-1.3	35.0
Regular and lowfat, hard	1,557	919	1,471	-5.5	60.1
Nonfat, hard	445	384	455	2.2	18.5
Other frozen dairy products	2,825	1,528	1,881	-33.4	23.1
Water and juice ices	6,703	4,854	6,594	-1.6	35.8
Mix for frozen products					
Ice cream, regular, mix	39,918	33,688	40,714	2.0	20.9
Ice cream, lowfat, mix ⁷	20,358	18,551	21,035	3.3	13.4
Ice cream, nonfat, mix	575	315	414	-28.0	31.4
Sherbet mix	2,207	2,049	2,071	-6.2	1.1
Yogurt mix	2,689	2,039	2,264	-15.8	11.0

- 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:
March 2019 and 2020**

Product	March 2019	February 2020	March 2020	Change from	
				March 2019	February 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	10,987	6,431	6,962	-36.6	8.3
Dry whey products					
Dry whey, human	76,090	75,006	80,199	5.4	6.9
Dry whey, animal	1,288	1,484	1,352	5.0	-8.9
Dry whey, total	77,378	76,490	81,551	5.4	6.6
Reduced lactose and minerals					
Human	1,688	1,560	1,598	-5.3	2.4
Animal	3,074	3,166	3,439	11.9	8.6
Whey protein concentrate					
Human ²	41,423	35,219	38,549	-6.9	9.5
Animal ²	603	381	404	-33.0	6.0
Total ²	42,026	35,600	38,953	-7.3	9.4
25.0-49.9 percent ³	14,502	13,437	14,964	3.2	11.4
50.0-89.9 percent ³	27,524	22,163	23,989	-12.8	8.2
Whey protein isolates ⁴	10,151	8,641	10,818	6.6	25.2
Lactose, human and animal	114,157	87,435	96,115	-15.8	9.9
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	82,920	73,739	72,588	-12.5	-1.6
Dry whey, animal	1,087	766	680	-37.4	-11.2
Dry whey, total	84,007	74,505	73,268	-12.8	-1.7
Reduced Lactose and minerals					
Human and animal ⁶	5,161	4,547	4,587	-11.1	0.9
Whey protein concentrate					
Human ²	60,417	63,984	67,225	11.3	5.1
Animal ²	897	605	558	-37.8	-7.8
Total ²	61,314	64,589	67,783	10.6	4.9
25.0-49.9 percent ³	26,672	27,270	28,834	8.1	5.7
50.0-89.9 percent ³	34,642	37,319	38,949	12.4	4.4
Whey protein isolates ⁴	20,441	15,990	15,847	-22.5	-0.9
Lactose, human and animal	105,663	102,120	102,540	-3.0	0.4
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	18.5	17.1	21.1	2.6	4.0

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:
March 2019 and 2020**

Product	March 2019	February 2020	March 2020	Change from	
				March 2019	February 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	131,676	126,597	134,627	2.2	6.3
Dry milk products					
Dry buttermilk, total	9,979	13,509	13,430	34.6	-0.6
Dry skim milk, animal	1,121	934	864	-22.9	-7.5
Dry whole milk	18,470	11,271	11,041	-40.2	-2.0
Milk protein concentrate, total ¹	14,405	21,817	14,518	0.8	-33.5
Nonfat dry milk, human	161,829	159,128	172,685	6.7	8.5
Skim milk powder, total ²	48,274	38,434	40,843	-15.4	6.3
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	19,052	20,195	25,827	35.6	27.9
Dry skim milk, animal	4,362	12,267	11,371	160.7	-7.3
Dry whole milk	30,318	14,018	13,431	-55.7	-4.2
Nonfat dry milk, human	289,892	318,255	349,188	20.5	9.7
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	173,109	124,613	130,308	-24.7	4.6

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: 2019 and 2020

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,116,577	1,110,515	-0.5	1,116,577	1,110,515	-0.5
February	1,003,696	1,031,672	2.8	2,120,273	2,142,187	1.0
March	1,122,414	1,124,368	0.2	3,242,687	3,266,555	0.7
April	1,085,010			4,327,697		
May	1,105,886			5,433,583		
June	1,067,702			6,501,285		
July	1,087,602			7,588,887		
August	1,113,646			8,702,533		
September	1,080,526			9,783,059		
October	1,138,241			10,921,300		
November	1,093,397			12,014,697		
December	1,122,546			13,137,243		
Total American cheese types ²						
January	451,964	437,451	-3.2	451,964	437,451	-3.2
February	399,112	418,605	4.9	851,076	856,056	0.6
March	442,723	448,877	1.4	1,293,799	1,304,933	0.9
April	430,539			1,724,338		
May	443,683			2,168,021		
June	427,638			2,595,659		
July	434,449			3,030,108		
August	452,030			3,482,138		
September	415,687			3,897,825		
October	445,601			4,343,426		
November	432,438			4,775,864		
December	456,378			5,232,242		
Cheddar cheese						
January	336,801	319,240	-5.2	336,801	319,240	-5.2
February	289,258	302,408	4.5	626,059	621,648	-0.7
March	315,229	318,739	1.1	941,288	940,387	-0.1
April	306,510			1,247,798		
May	321,122			1,568,920		
June	307,403			1,876,323		
July	305,911			2,182,234		
August	321,190			2,503,424		
September	284,142			2,787,566		
October	309,584			3,097,150		
November	309,223			3,406,373		
December	330,369			3,736,742		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	483,211	485,398	0.5	483,211	485,398	0.5
February	440,425	448,190	1.8	923,636	933,588	1.1
March	493,275	487,613	-1.1	1,416,911	1,421,201	0.3
April	475,467			1,892,378		
May	474,522			2,366,900		
June	461,688			2,828,588		
July	463,865			3,292,453		
August	466,578			3,759,031		
September	470,642			4,229,673		
October	485,559			4,715,232		
November	471,962			5,187,194		
December	483,331			5,670,525		
Mozzarella						
January	381,103	381,983	0.2	381,103	381,983	0.2
February	346,363	353,200	2.0	727,466	735,183	1.1
March	391,166	389,515	-0.4	1,118,632	1,124,698	0.5
April	372,686			1,491,318		
May	374,770			1,866,088		
June	370,364			2,236,452		
July	368,167			2,604,619		
August	370,384			2,975,003		
September	375,726			3,350,729		
October	384,612			3,735,341		
November	375,266			4,110,607		
December	383,976			4,494,583		
Other Italian cheese types						
January	6,968	6,809	-2.3	6,968	6,809	-2.3
February	6,184	5,896	-4.7	13,152	12,705	-3.4
March	7,465	6,604	-11.5	20,617	19,309	-6.3
April	6,725			27,342		
May	6,450			33,792		
June	6,155			39,947		
July	6,898			46,845		
August	7,143			53,988		
September	7,017			61,005		
October	5,698			66,703		
November	6,714			73,417		
December	7,123			80,540		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	199,038	193,422	-2.8	199,038	193,422	-2.8
February	172,171	188,035	9.2	371,209	381,457	2.8
March	180,694	194,287	7.5	551,903	575,744	4.3
April	172,371			724,274		
May	170,044			894,318		
June	154,848			1,049,166		
July	150,705			1,199,871		
August	141,323			1,341,194		
September	144,334			1,485,528		
October	162,921			1,648,449		
November	161,852			1,810,301		
December	183,774			1,994,075		
Nonfat dry milk, human						
January	177,280	176,259	-0.6	177,280	176,259	-0.6
February	153,417	159,128	3.7	330,697	335,387	1.4
March	161,829	172,685	6.7	492,526	508,072	3.2
April	167,758			660,284		
May	173,666			833,950		
June	157,948			991,898		
July	172,329			1,164,227		
August	132,525			1,296,752		
September	117,806			1,414,558		
October	132,716			1,547,274		
November	138,880			1,686,154		
December	164,869			1,851,023		
Skim milk powder, total ³						
January	36,153	40,119	11.0	36,153	40,119	11.0
February	33,901	38,434	13.4	70,054	78,553	12.1
March	48,274	40,843	-15.4	118,328	119,396	0.9
April	46,244			164,572		
May	26,604			191,176		
June	52,062			243,238		
July	46,708			289,946		
August	60,768			350,714		
September	58,764			409,478		
October	47,386			456,864		
November	50,955			507,819		
December	64,893			572,712		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	82,765	84,272	1.8	82,765	84,272	1.8
February	76,146	76,490	0.5	158,911	160,762	1.2
March	77,378	81,551	5.4	236,289	242,313	2.5
April	74,998			311,287		
May	79,090			390,377		
June	82,976			473,353		
July	82,906			556,259		
August	84,897			641,156		
September	90,627			731,783		
October	90,843			822,626		
November	75,111			897,737		
December	79,821			977,558		
Lactose, human and animal						
January	112,832	87,796	-22.2	112,832	87,796	-22.2
February	98,231	87,435	-11.0	211,063	175,231	-17.0
March	114,157	96,115	-15.8	325,220	271,346	-16.6
April	108,057			433,277		
May	109,722			542,999		
June	108,551			651,550		
July	106,989			758,539		
August	95,074			853,613		
September	95,488			949,101		
October	96,493			1,045,594		
November	88,375			1,133,969		
December	93,634			1,227,603		
Whey protein concentrate, total						
January	43,871	41,935	-4.4	43,871	41,935	-4.4
February	38,551	35,600	-7.7	82,422	77,535	-5.9
March	42,026	38,953	-7.3	124,448	116,488	-6.4
April	40,639			165,087		
May	41,911			206,998		
June	39,516			246,514		
July	39,802			286,316		
August	39,903			326,219		
September	40,068			366,287		
October	40,672			406,959		
November	40,696			447,655		
December	43,106			490,761		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	30,354	27,622	-9.0	30,354	27,622	-9.0
February	28,399	26,172	-7.8	58,753	53,794	-8.4
March	29,846	32,439	8.7	88,599	86,233	-2.7
April	30,945			119,544		
May	29,312			148,856		
June	28,265			177,121		
July	32,350			209,471		
August	31,495			240,966		
September	29,488			270,454		
October	31,956			302,410		
November	27,025			329,435		
December	28,427			357,862		
Cottage cheese, lowfat						
January	29,450	26,333	-10.6	29,450	26,333	-10.6
February	26,863	24,434	-9.0	56,313	50,767	-9.8
March	27,765	27,691	-0.3	84,078	78,458	-6.7
April	29,039			113,117		
May	27,512			140,629		
June	25,433			166,062		
July	29,611			195,673		
August	29,747			225,420		
September	26,427			251,847		
October	27,922			279,769		
November	24,008			303,777		
December	23,879			327,656		
Sour cream						
January	122,056	121,591	-0.4	122,056	121,591	-0.4
February	103,082	101,869	-1.2	225,138	223,460	-0.7
March	108,617	118,736	9.3	333,755	342,196	2.5
April	117,973			451,728		
May	120,332			572,060		
June	111,416			683,476		
July	118,403			801,879		
August	119,252			921,131		
September	111,282			1,032,413		
October	133,320			1,165,733		
November	129,785			1,295,518		
December	130,139			1,425,657		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	53,064	52,157	-1.7	53,064	52,157	-1.7
February	53,369	52,484	-1.7	106,433	104,641	-1.7
March	65,957	64,026	-2.9	172,390	168,667	-2.2
April	64,681			237,071		
May	67,414			304,485		
June	64,920			369,405		
July	64,846			434,251		
August	64,242			498,493		
September	58,155			556,648		
October	58,581			615,229		
November	46,927			662,156		
December	47,039			709,195		
Ice cream, lowfat total						
January	33,457	30,886	-7.7	33,457	30,886	-7.7
February	35,760	33,278	-6.9	69,217	64,164	-7.3
March	42,538	37,937	-10.8	111,755	102,101	-8.6
April	44,505			156,260		
May	47,873			204,133		
June	44,364			248,497		
July	43,582			292,079		
August	42,021			334,100		
September	37,206			371,306		
October	36,315			407,621		
November	29,068			436,689		
December	28,110			464,799		
Sherbet, hard						
January	2,437	2,577	5.7	2,437	2,577	5.7
February	2,700	3,021	11.9	5,137	5,598	9.0
March	3,225	3,107	-3.7	8,362	8,705	4.1
April	3,067			11,429		
May	3,191			14,620		
June	3,166			17,786		
July	2,795			20,581		
August	2,382			22,963		
September	2,703			25,666		
October	2,445			28,111		
November	2,053			30,164		
December	2,056			32,220		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	369,301	347,758	-5.8	369,301	347,758	-5.8
February	375,622	375,155	-0.1	744,923	722,913	-3.0
March	399,699	418,178	4.6	1,144,622	1,141,091	-0.3
April	379,341			1,523,963		
May	354,516			1,878,479		
June	364,013			2,242,492		
July	348,614			2,591,106		
August	377,322			2,968,428		
September	381,495			3,349,923		
October	357,443			3,707,366		
November	319,612			4,026,978		
December	348,979			4,375,957		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	4,081	4,032	-1.2	4,081	4,032	-1.2
February	5,761	4,160	-27.8	9,842	8,192	-16.8
March	5,691	5,615	-1.3	15,533	13,807	-11.1
April	5,083			20,616		
May	6,491			27,107		
June	5,641			32,748		
July	5,722			38,470		
August	7,963			46,433		
September	4,522			50,955		
October	4,390			55,345		
November	3,868			59,213		
December	2,916			62,129		

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: March 2019 and 2020

State	March 2019	February 2020	March 2020	Change from	
				March 2019	February 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	215,504	199,198	210,970	-2.1	5.9
Idaho	89,724	73,497	88,846	-1.0	20.9
Illinois	6,323	5,457	7,092	12.2	30.0
Iowa	28,733	28,283	29,045	1.1	2.7
Minnesota	62,679	59,114	62,012	-1.1	4.9
New Jersey	4,892	4,448	5,198	6.3	16.9
New Mexico	79,426	76,163	83,656	5.3	9.8
New York	72,329	63,261	72,321	-	14.3
Ohio	18,958	19,647	21,180	11.7	7.8
Oregon	18,196	17,569	19,419	6.7	10.5
Pennsylvania	38,519	29,665	37,306	-3.1	25.8
South Dakota	25,076	35,950	36,999	47.5	2.9
Vermont	12,254	11,567	12,069	-1.5	4.3
Wisconsin	293,214	261,125	288,364	-1.7	10.4
Other States ¹	156,587	146,728	149,891	-4.3	2.2
United States	1,122,414	1,031,672	1,124,368	0.2	9.0
Atlantic	138,982	119,376	137,721	-0.9	15.4
Central	511,558	482,191	519,482	1.5	7.7
West	471,874	430,105	467,165	-1.0	8.6

- 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: March 2019 and 2020

State	March 2019	February 2020	March 2020	Change from	
				March 2019	February 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	54,444	46,813	47,870	-12.1	2.3
Idaho	52,639	47,323	51,781	-1.6	9.4
Iowa	16,105	17,758	17,457	8.4	-1.7
Minnesota	49,844	49,400	53,164	6.7	7.6
New York	12,437	11,399	12,437	-	9.1
Oregon	18,078	17,476	19,299	6.8	10.4
Wisconsin	86,142	80,434	86,800	0.8	7.9
Other States ¹	153,034	148,002	160,069	4.6	8.2
United States	442,723	418,605	448,877	1.4	7.2
Atlantic	29,397	26,957	29,061	-1.1	7.8
Central	217,985	212,689	225,262	3.3	5.9
West	195,341	178,959	194,554	-0.4	8.7

- Represents zero.

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

Cheddar Cheese Production – States and United States: March 2019 and 2020

State	March 2019	February 2020	March 2020	Change from	
				March 2019	February 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	31,130	22,138	21,458	-31.1	-3.1
Iowa	7,965	10,066	9,202	15.5	-8.6
Minnesota	48,919	48,344	51,704	5.7	7.0
Oregon	13,583	15,660	16,006	17.8	2.2
Vermont	8,856	8,462	8,717	-1.6	3.0
Wisconsin	62,900	55,908	61,900	-1.6	10.7
Other States ¹	141,876	141,830	149,752	5.6	5.6
United States	315,229	302,408	318,739	1.1	5.4
Atlantic	27,913	25,864	27,614	-1.1	6.8
Central	158,272	150,414	159,406	0.7	6.0
West	129,044	126,130	131,719	2.1	4.4

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: March 2019 and 2020

State	March 2019	February 2020	March 2020	Change from	
				March 2019	February 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	141,298	132,610	140,809	-0.3	6.2
Idaho	31,228	21,721	32,725	4.8	50.7
Minnesota	12,611	9,449	8,567	-32.1	-9.3
New Jersey	2,677	2,304	2,983	11.4	29.5
New York	31,649	28,297	31,641	-	11.8
Pennsylvania	22,755	21,408	21,572	-5.2	0.8
Wisconsin	150,765	131,974	145,325	-3.6	10.1
Other States ¹	100,292	100,427	103,991	3.7	3.5
United States	493,275	448,190	487,613	-1.1	8.8
Atlantic	61,052	56,208	59,969	-1.8	6.7
Central	198,664	184,200	199,095	0.2	8.1
West	233,559	207,782	228,549	-2.1	10.0

- 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: March 2019 and 2020

State	March 2019	February 2020	March 2020	Change from	
				March 2019	February 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	131,630	122,055	131,711	0.1	7.9
Idaho	30,541	21,296	32,055	5.0	50.5
New Jersey	1,344	1,173	1,417	5.4	20.8
New York	17,178	14,801	17,171	-	16.0
Pennsylvania	19,685	18,098	18,575	-5.6	2.6
Wisconsin	99,987	85,714	96,700	-3.3	12.8
Other States ¹	90,801	90,063	91,886	1.2	2.0
United States	391,166	353,200	389,515	-0.4	10.3
Atlantic	39,816	36,794	38,772	-2.6	5.4
Central	129,763	120,946	133,818	3.1	10.6
West	221,587	195,460	216,925	-2.1	11.0

- Represents zero.

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

Butter Production – States and United States: March 2019 and 2020

State	March 2019	February 2020	March 2020	Change from	
				March 2019	February 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	55,353	57,624	60,902	10.0	5.7
New York	2,540	2,621	2,540	-	-3.1
Pennsylvania	7,652	8,078	9,075	18.6	12.3
Other States ¹	115,149	119,712	121,770	5.7	1.7
United States	180,694	188,035	194,287	7.5	3.3
Atlantic	17,170	19,013	19,819	15.4	4.2
Central	69,798	73,271	73,253	4.9	-
West	93,726	95,751	101,215	8.0	5.7

- Represents zero.

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: March 2019 and 2020

State	March 2019	February 2020	March 2020	Change from	
				March 2019	February 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	68,561	70,087	76,422	11.5	9.0
Pennsylvania	15,560	16,104	15,296	-1.7	-5.0
Other States ¹	77,708	72,937	80,967	4.2	11.0
United States	161,829	159,128	172,685	6.7	8.5
Atlantic	31,201	27,464	28,375	-9.1	3.3
Central	27,719	29,257	30,394	9.7	3.9
West	102,909	102,407	113,916	10.7	11.2

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: March 2019 and 2020

State	March 2019	February 2020	March 2020	Change from	
				March 2019	February 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	8,871	10,360	9,101	2.6	-12.2
Wisconsin	24,711	23,274	25,190	1.9	8.2
Other States ¹	42,508	41,372	45,908	8.0	11.0
United States	76,090	75,006	80,199	5.4	6.9
Atlantic	19,363	19,902	18,878	-2.5	-5.1
Central	34,516	35,855	39,169	13.5	9.2
West	22,211	19,249	22,152	-0.3	15.1

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: March 2019 and 2020

State	March 2019	February 2020	March 2020	Change from	
				March 2019	February 2020
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	6,196	4,312	5,491	-11.4	27.3
Connecticut	1,130	1,115	1,283	13.5	15.1
Missouri	3,403	2,907	3,222	-5.3	10.8
New York	2,116	1,578	1,763	-16.7	11.7
Ohio	2,011	1,839	2,111	5.0	14.8
Oregon	1,307	1,017	1,422	8.8	39.8
Pennsylvania	3,351	3,419	3,294	-1.7	-3.7
Tennessee	2,011	2,070	2,067	2.8	-0.1
Utah	1,927	1,627	2,125	10.3	30.6
Wisconsin	759	605	772	1.7	27.6
Other States ¹	41,746	31,995	40,476	-3.0	26.5
United States	65,957	52,484	64,026	-2.9	22.0
Atlantic	14,258	11,984	13,812	-3.1	15.3
Central	40,062	31,759	39,176	-2.2	23.4
West	11,637	8,741	11,038	-5.1	26.3

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 2019, there were 1,266 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@usda.gov.

Travis Averill, Chief, Livestock Branch	(202) 692-0069
Scott Hollis, Head, Livestock Section	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter	(202) 690-8632
Holly Brenize – Sheep and Goats	(202) 720-0585
Heidi Lanouette – Cattle, Cattle on Feed	(202) 720-3040
Mike Miller – Milk Production and Milk Cows	(202) 720-3278
Suzanne Richards – Dairy Products	(202) 720-4448
Seth Riggins – Hogs and Pigs	(202) 720-3106

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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.
- 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@usda.gov.

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