



Dairy Products

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May 2020 Highlights

Total cheese output (excluding cottage cheese) was 1.10 billion pounds, 0.7 percent below May 2019 but 3.2 percent above April 2020.

Italian type cheese production totaled 482 million pounds, 1.5 percent above May 2019 and 6.8 percent above April 2020.

American type cheese production totaled 443 million pounds, 0.2 percent below May 2019 and 1.0 percent below April 2020.

Butter production was 178 million pounds, 4.9 percent above May 2019 but 18.0 percent below April 2020.

Dry milk products (comparisons in percentage with May 2019)

Nonfat dry milk, human - 158 million pounds, down 9.2 percent.

Skim milk powder - 47.1 million pounds, up 76.9 percent.

Whey products (comparisons in percentage with May 2019)

Dry whey, total - 86.2 million pounds, up 8.9 percent.

Lactose, human and animal - 93.3 million pounds, down 14.9 percent.

Whey protein concentrate, total - 39.9 million pounds, down 4.9 percent.

Frozen products (comparisons in percentage with May 2019)

Ice cream, regular (hard) - 64.1 million gallons, down 4.9 percent.

Ice cream, lowfat (total) - 42.3 million gallons, down 11.7 percent.

Sherbet (hard) - 2.64 million gallons, down 17.2 percent.

Frozen yogurt (total) - 6.01 million gallons, down 7.4 percent.

Contents

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

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

Product	May 2019	April 2020	May 2020	Change from	
				May 2019	April 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	170,044	217,531	178,346	4.9	-18.0
Cheese					
American types ¹	443,683	447,044	442,579	-0.2	-1.0
Cheddar	321,122	330,891	319,394	-0.5	-3.5
Other American types	122,561	116,153	123,185	0.5	6.1
Blue and Gorgonzola	8,331	3,170	4,491	-46.1	41.7
Brick and Muenster	18,167	13,872	17,905	-1.4	29.1
Cream and Neufchatel	72,309	66,531	71,732	-0.8	7.8
Feta	12,585	11,110	10,609	-15.7	-4.5
Gouda	3,126	3,276	2,808	-10.2	-14.3
Hispanic	29,824	29,155	29,671	-0.5	1.8
Italian types	474,522	451,068	481,712	1.5	6.8
Mozzarella	374,770	351,712	378,208	0.9	7.5
Parmesan	38,170	37,430	36,322	-4.8	-3.0
Provolone	32,436	31,976	34,947	7.7	9.3
Ricotta	18,244	19,725	20,856	14.3	5.7
Romano	4,452	5,122	4,922	10.6	-3.9
Other Italian types	6,450	5,103	6,457	0.1	26.5
Swiss	29,839	25,869	24,335	-18.4	-5.9
All other types	13,500	12,658	12,226	-9.4	-3.4
Total cheese ²	1,105,886	1,063,753	1,098,068	-0.7	3.2
Cottage cheese, curd ³	32,004	34,523	32,445	1.4	-6.0
Cottage cheese, cream ⁴	29,312	32,946	32,395	10.5	-1.7
Cottage cheese, lowfat ⁵	27,512	28,300	27,713	0.7	-2.1
Sour cream	120,332	111,887	136,268	13.2	21.8
Yogurt, plain and flavored	354,516	363,628	379,216	7.0	4.3
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	67,414	63,059	64,112	-4.9	1.7
Ice cream, lowfat, hard	24,680	20,875	22,481	-8.9	7.7
Ice cream, lowfat, soft	23,193	14,656	19,793	-14.7	35.1
Ice cream, lowfat, total ⁶	47,873	35,531	42,274	-11.7	19.0
Ice cream, nonfat, hard	588	467	407	-30.8	-12.8
Sherbet, hard	3,191	2,759	2,643	-17.2	-4.2
Frozen yogurt, total	6,491	4,762	6,011	-7.4	26.2
Regular and lowfat, hard	1,450	1,285	1,215	-16.2	-5.4
Nonfat, hard	495	363	250	-49.5	-31.1
Other frozen dairy products	2,202	1,118	1,079	-51.0	-3.5
Water and juice ices	7,565	5,817	6,719	-11.2	15.5
Mix for frozen products					
Ice cream, regular, mix	43,493	44,436	42,326	-2.7	-4.7
Ice cream, lowfat, mix ⁷	23,909	19,763	23,684	-0.9	19.8
Ice cream, nonfat, mix	388	351	292	-24.7	-16.8
Sherbet mix	2,198	1,822	1,728	-21.4	-5.2
Yogurt mix	2,843	2,015	2,387	-16.0	18.5

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:
May 2019 and 2020**

Product	May 2019	April 2020	May 2020	Change from	
				May 2019	April 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	12,086	6,952	3,982	-67.1	-42.7
Dry whey products					
Dry whey, human	77,939	76,405	84,999	9.1	11.2
Dry whey, animal	1,151	1,439	1,158	0.6	-19.5
Dry whey, total	79,090	77,844	86,157	8.9	10.7
Reduced lactose and minerals					
Human	1,520	1,691	1,622	6.7	-4.1
Animal	3,054	2,677	3,134	2.6	17.1
Whey protein concentrate					
Human ²	41,655	37,791	38,672	-7.2	2.3
Animal ²	256	859	1,206	371.1	40.4
Total ²	41,911	38,650	39,878	-4.9	3.2
25.0-49.9 percent ³	14,877	15,326	14,184	-4.7	-7.5
50.0-89.9 percent ³	27,034	23,324	25,694	-5.0	10.2
Whey protein isolates ⁴	10,257	9,160	9,959	-2.9	8.7
Lactose, human and animal	109,722	91,183	93,334	-14.9	2.4
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	64,970	74,555	84,021	29.3	12.7
Dry whey, animal	979	934	810	-17.3	-13.3
Dry whey, total	65,949	75,489	84,831	28.6	12.4
Reduced Lactose and minerals					
Human and animal ⁶	5,437	4,637	5,108	-6.1	10.2
Whey protein concentrate					
Human ²	59,153	63,359	65,907	11.4	4.0
Animal ²	516	1,048	1,176	127.9	12.2
Total ²	59,669	64,407	67,083	12.4	4.2
25.0-49.9 percent ³	24,015	26,952	26,007	8.3	-3.5
50.0-89.9 percent ³	35,654	37,455	41,076	15.2	9.7
Whey protein isolates ⁴	21,860	14,877	15,720	-28.1	5.7
Lactose, human and animal	126,522	98,293	99,867	-21.1	1.6
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	22.1	20.1	21.5	-0.6	1.4

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:
May 2019 and 2020**

Product	May 2019	April 2020	May 2020	Change from	
				May 2019	April 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	137,252	128,703	125,599	-8.5	-2.4
Dry milk products					
Dry buttermilk, total	10,108	11,416	12,018	18.9	5.3
Dry skim milk, animal	949	638	1,148	21.0	79.9
Dry whole milk	17,955	14,238	14,384	-19.9	1.0
Milk protein concentrate, total ¹	17,029	20,597	13,612	-20.1	-33.9
Nonfat dry milk, human	173,666	195,159	157,705	-9.2	-19.2
Skim milk powder, total ²	26,604	40,394	47,070	76.9	16.5
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	15,868	22,276	24,675	55.5	10.8
Dry skim milk, animal	1,875	12,057	11,420	509.1	-5.3
Dry whole milk	41,473	15,239	16,477	-60.3	8.1
Nonfat dry milk, human	290,092	392,630	344,654	18.8	-12.2
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	157,845	159,280	204,893	29.8	28.6

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	1,124,028	0.1	3,242,687	3,266,215	0.7
April	1,085,010	1,063,753	-2.0	4,327,697	4,329,968	0.1
May	1,105,886	1,098,068	-0.7	5,433,583	5,428,036	-0.1
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	450,058	1.7	1,293,799	1,306,114	1.0
April	430,539	447,044	3.8	1,724,338	1,753,158	1.7
May	443,683	442,579	-0.2	2,168,021	2,195,737	1.3
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	318,292	1.0	941,288	939,940	-0.1
April	306,510	330,891	8.0	1,247,798	1,270,831	1.8
May	321,122	319,394	-0.5	1,568,920	1,590,225	1.4
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	486,865	-1.3	1,416,911	1,420,453	0.2
April	475,467	451,068	-5.1	1,892,378	1,871,521	-1.1
May	474,522	481,712	1.5	2,366,900	2,353,233	-0.6
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	388,257	-0.7	1,118,632	1,123,440	0.4
April	372,686	351,712	-5.6	1,491,318	1,475,152	-1.1
May	374,770	378,208	0.9	1,866,088	1,853,360	-0.7
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	6,687	-10.4	20,617	19,392	-5.9
April	6,725	5,103	-24.1	27,342	24,495	-10.4
May	6,450	6,457	0.1	33,792	30,952	-8.4
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	195,886	8.4	551,903	577,343	4.6
April	172,371	217,531	26.2	724,274	794,874	9.7
May	170,044	178,346	4.9	894,318	973,220	8.8
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	172,389	6.5	492,526	507,776	3.1
April	167,758	195,159	16.3	660,284	702,935	6.5
May	173,666	157,705	-9.2	833,950	860,640	3.2
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	40,394	-12.7	164,572	159,790	-2.9
May	26,604	47,070	76.9	191,176	206,860	8.2
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	82,100	6.1	236,289	242,862	2.8
April	74,998	77,844	3.8	311,287	320,706	3.0
May	79,090	86,157	8.9	390,377	406,863	4.2
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	97,498	-14.6	325,220	272,729	-16.1
April	108,057	91,183	-15.6	433,277	363,912	-16.0
May	109,722	93,334	-14.9	542,999	457,246	-15.8
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	39,800	-5.3	124,448	117,335	-5.7
April	40,639	38,650	-4.9	165,087	155,985	-5.5
May	41,911	39,878	-4.9	206,998	195,863	-5.4
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	32,946	6.5	119,544	119,179	-0.3
May	29,312	32,395	10.5	148,856	151,574	1.8
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	27,693	-0.3	84,078	78,460	-6.7
April	29,039	28,300	-2.5	113,117	106,760	-5.6
May	27,512	27,713	0.7	140,629	134,473	-4.4
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	118,779	9.4	333,755	342,239	2.5
April	117,973	111,887	-5.2	451,728	454,126	0.5
May	120,332	136,268	13.2	572,060	590,394	3.2
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	63,707	-3.4	172,390	168,348	-2.3
April	64,681	63,059	-2.5	237,071	231,407	-2.4
May	67,414	64,112	-4.9	304,485	295,519	-2.9
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	38,109	-10.4	111,755	102,273	-8.5
April	44,505	35,531	-20.2	156,260	137,804	-11.8
May	47,873	42,274	-11.7	204,133	180,078	-11.8
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	3,056	-5.2	8,362	8,654	3.5
April	3,067	2,759	-10.0	11,429	11,413	-0.1
May	3,191	2,643	-17.2	14,620	14,056	-3.9
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	418,060	4.6	1,144,622	1,140,973	-0.3
April	379,341	363,628	-4.1	1,523,963	1,504,601	-1.3
May	354,516	379,216	7.0	1,878,479	1,883,817	0.3
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	5,577	-2.0	15,533	13,769	-11.4
April	5,083	4,762	-6.3	20,616	18,531	-10.1
May	6,491	6,011	-7.4	27,107	24,542	-9.5
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: May 2019 and 2020

State	May 2019	April 2020	May 2020	Change from	
				May 2019	April 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	217,948	197,778	209,658	-3.8	6.0
Idaho	78,308	85,528	80,649	3.0	-5.7
Illinois	7,102	5,622	5,306	-25.3	-5.6
Iowa	27,946	28,598	28,612	2.4	-
Minnesota	64,284	61,950	61,354	-4.6	-1.0
New Jersey	4,348	4,257	5,191	19.4	21.9
New Mexico	81,835	80,098	81,408	-0.5	1.6
New York	67,033	68,268	67,033	-	-1.8
Ohio	19,486	18,500	20,190	3.6	9.1
Oregon	17,999	18,669	19,121	6.2	2.4
Pennsylvania	35,104	35,603	34,940	-0.5	-1.9
South Dakota	27,539	34,242	37,018	34.4	8.1
Vermont	12,347	11,179	12,071	-2.2	8.0
Wisconsin	285,842	267,494	280,661	-1.8	4.9
Other States ¹	158,765	145,967	154,856	-2.5	6.1
United States	1,105,886	1,063,753	1,098,068	-0.7	3.2
Atlantic	129,685	129,979	129,810	0.1	-0.1
Central	508,624	494,301	510,451	0.4	3.3
West	467,577	439,473	457,807	-2.1	4.2

- 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: May 2019 and 2020

State	May 2019	April 2020	May 2020	Change from	
				May 2019	April 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	50,787	45,451	48,748	-4.0	7.3
Idaho	53,180	54,218	48,580	-8.6	-10.4
Iowa	17,098	16,670	16,925	-1.0	1.5
Minnesota	53,414	52,586	51,626	-3.3	-1.8
New York	12,077	12,327	12,077	-	-2.0
Oregon	17,874	18,548	18,995	6.3	2.4
Wisconsin	85,582	90,690	88,400	3.3	-2.5
Other States ¹	153,671	156,554	157,228	2.3	0.4
United States	443,683	447,044	442,579	-0.2	-1.0
Atlantic	28,784	28,256	28,244	-1.9	-
Central	219,633	229,915	221,834	1.0	-3.5
West	195,266	188,873	192,501	-1.4	1.9

- 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: May 2019 and 2020

State	May 2019	April 2020	May 2020	Change from	
				May 2019	April 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	26,135	25,583	23,755	-9.1	-7.1
Iowa	10,026	9,440	8,763	-12.6	-7.2
Minnesota	51,812	51,433	50,162	-3.2	-2.5
Oregon	14,489	14,396	16,280	12.4	13.1
Vermont	8,694	8,400	8,681	-0.1	3.3
Wisconsin	60,428	65,461	62,900	4.1	-3.9
Other States ¹	149,538	156,178	148,853	-0.5	-4.7
United States	321,122	330,891	319,394	-0.5	-3.5
Atlantic	27,098	26,771	26,828	-1.0	0.2
Central	162,775	165,765	159,564	-2.0	-3.7
West	131,249	138,355	133,002	1.3	-3.9

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: May 2019 and 2020

State	May 2019	April 2020	May 2020	Change from	
				May 2019	April 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	143,915	135,250	142,018	-1.3	5.0
Idaho	18,960	26,267	26,046	37.4	-0.8
Minnesota	10,443	9,074	9,533	-8.7	5.1
New Jersey	2,089	2,382	2,644	26.6	11.0
New York	29,306	29,171	29,329	0.1	0.5
Pennsylvania	22,848	22,169	23,171	1.4	4.5
Wisconsin	144,933	130,585	142,200	-1.9	8.9
Other States ¹	102,028	96,170	106,771	4.6	11.0
United States	474,522	451,068	481,712	1.5	6.8
Atlantic	57,942	57,822	58,798	1.5	1.7
Central	193,165	180,825	199,151	3.1	10.1
West	223,415	212,421	223,763	0.2	5.3

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

Mozzarella Cheese Production – States and United States: May 2019 and 2020

State	May 2019	April 2020	May 2020	Change from	
				May 2019	April 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	133,006	124,392	131,201	-1.4	5.5
Idaho	18,435	25,878	25,674	39.3	-0.8
New Jersey	1,246	1,115	1,242	-0.3	11.4
New York	15,853	15,695	15,848	-	1.0
Pennsylvania	19,563	18,739	18,521	-5.3	-1.2
Wisconsin	94,873	81,330	93,100	-1.9	14.5
Other States ¹	91,794	84,563	92,622	0.9	9.5
United States	374,770	351,712	378,208	0.9	7.5
Atlantic	38,257	37,215	37,183	-2.8	-0.1
Central	126,381	114,451	130,681	3.4	14.2
West	210,132	200,046	210,344	0.1	5.1

- 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: May 2019 and 2020

State	May 2019	April 2020	May 2020	Change from	
				May 2019	April 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	51,890	63,741	55,576	7.1	-12.8
New York	2,651	2,940	2,651	-	-9.8
Pennsylvania	7,969	8,733	8,117	1.9	-7.1
Other States ¹	107,534	142,117	112,002	4.2	-21.2
United States	170,044	217,531	178,346	4.9	-18.0
Atlantic	17,490	19,744	16,971	-3.0	-14.0
Central	64,571	90,378	67,995	5.3	-24.8
West	87,983	107,409	93,380	6.1	-13.1

- 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: May 2019 and 2020

State	May 2019	April 2020	May 2020	Change from	
				May 2019	April 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	65,716	90,209	57,791	-12.1	-35.9
Pennsylvania	17,518	17,910	16,434	-6.2	-8.2
Other States ¹	90,432	87,040	83,480	-7.7	-4.1
United States	173,666	195,159	157,705	-9.2	-19.2
Atlantic	37,102	35,578	31,372	-15.4	-11.8
Central	33,633	32,072	33,192	-1.3	3.5
West	102,931	127,509	93,141	-9.5	-27.0

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: May 2019 and 2020

State	May 2019	April 2020	May 2020	Change from	
				May 2019	April 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	11,714	12,153	11,688	-0.2	-3.8
Wisconsin	24,684	22,302	26,900	9.0	20.6
Other States ¹	41,541	41,950	46,411	11.7	10.6
United States	77,939	76,405	84,999	9.1	11.2
Atlantic	22,139	22,463	22,184	0.2	-1.2
Central	35,017	32,157	43,494	24.2	35.3
West	20,783	21,785	19,321	-7.0	-11.3

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: May 2019 and 2020

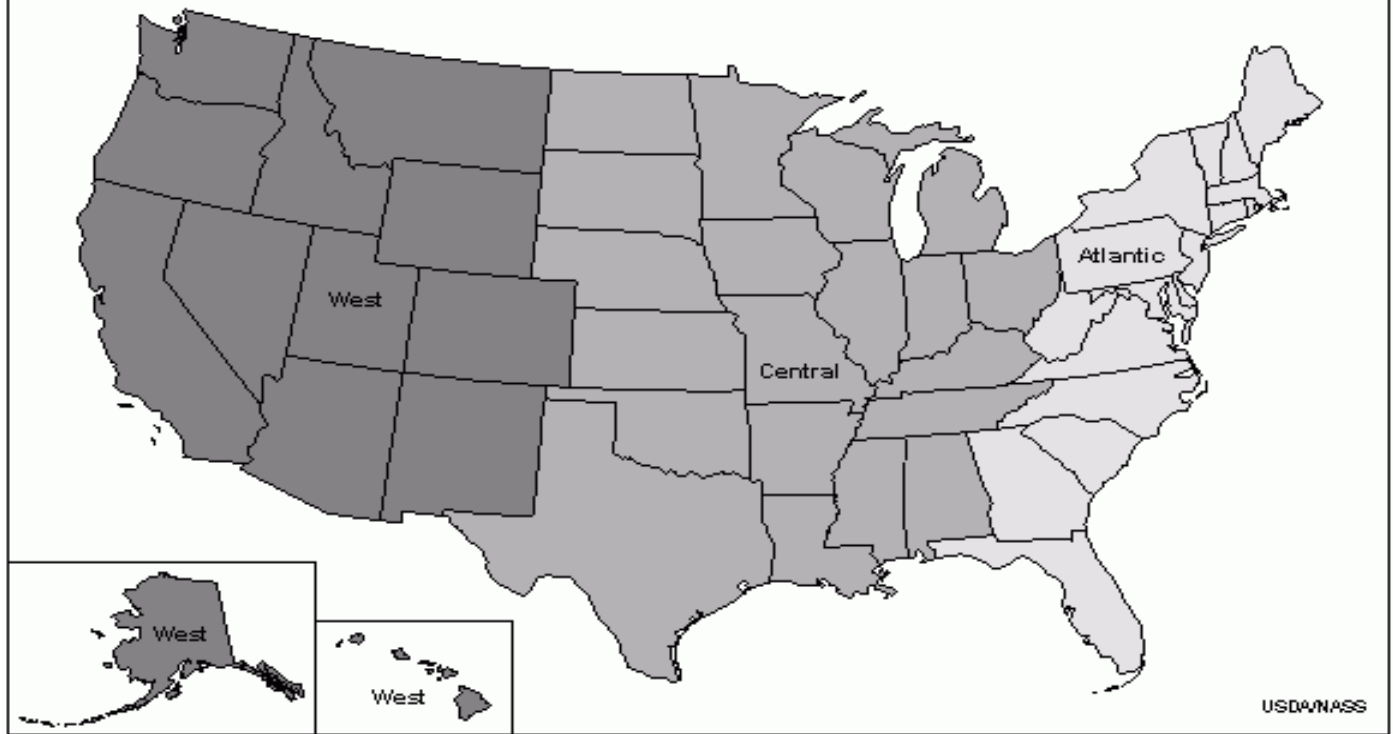
State	May 2019	April 2020	May 2020	Change from	
				May 2019	April 2020
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	6,655	5,688	5,940	-10.7	4.4
Connecticut	1,160	1,246	1,159	-0.1	-7.0
Missouri	3,115	2,599	2,714	-12.9	4.4
New Jersey ¹	95	(NA)	(NA)	(NA)	(NA)
New York	2,566	2,209	2,368	-7.7	7.2
Ohio	2,643	2,574	2,781	5.2	8.0
Oregon	1,483	1,585	1,522	2.6	-4.0
Pennsylvania	4,592	3,366	3,273	-28.7	-2.8
Tennessee	952	2,389	970	1.9	-59.4
Utah	2,222	2,374	1,915	-13.8	-19.3
Wisconsin	1,157	512	538	-53.5	5.1
Other States ²	40,774	38,517	40,932	0.4	6.3
United States	67,414	63,059	64,112	-4.9	1.7
Atlantic	14,897	13,774	13,267	-10.9	-3.7
Central	39,879	37,768	39,280	-1.5	4.0
West	12,638	11,517	11,565	-8.5	0.4

(NA) Not available.

¹ Included in Other States in 2020.

² 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.

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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@usda.gov.

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