



Dairy Products

ISSN: 1949-0399

Released June 5, 2024, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

April 2024 Highlights

Total cheese output (excluding cottage cheese) was 1.19 billion pounds, 1.8 percent above April 2023 but 3.0 percent below March 2024.

Italian type cheese production totaled 504 million pounds, 6.2 percent above April 2023 but 2.8 percent below March 2024.

American type cheese production totaled 468 million pounds, 4.7 percent below April 2023 and 4.3 percent below March 2024.

Butter production was 208 million pounds, 5.3 percent above April 2023 but 1.3 percent below March 2024.

Dry milk products (comparisons in percentage with April 2023)

Nonfat dry milk, human - 173 million pounds, down 12.7 percent.

Skim milk powder - 36.3 million pounds, down 20.8 percent.

Whey products (comparisons in percentage with April 2023)

Dry whey, total - 81.2 million pounds, up 2.1 percent.

Lactose, human and animal - 91.5 million pounds, down 1.5 percent.

Whey protein concentrate, total - 39.2 million pounds, down 6.1 percent.

Frozen products (comparisons in percentage with April 2023)

Ice cream, regular (hard) - 64.7 million gallons, up 7.3 percent.

Ice cream, lowfat (total) - 38.5 million gallons, down 6.0 percent.

Sherbet (hard) - 1.80 million gallons, down 8.8 percent.

Frozen yogurt (total) - 3.12 million gallons, down 3.6 percent.

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Dairy Products Production by Product – United States: April 2023 and 2024

Product	April 2023	March 2024	April 2024	Change from	
				April 2023	March 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	197,344	210,526	207,841	5.3	-1.3
Cheese					
American types ¹	491,399	489,346	468,103	-4.7	-4.3
Cheddar	352,686	340,784	322,306	-8.6	-5.4
Other American types	138,713	148,562	145,797	5.1	-1.9
Blue and Gorgonzola	6,472	7,397	6,869	6.1	-7.1
Brick and Muenster	15,179	15,456	15,544	2.4	0.6
Cream and Neufchatel	85,063	96,832	97,276	14.4	0.5
Feta	12,916	13,135	13,317	3.1	1.4
Gouda	5,367	7,810	6,692	24.7	-14.3
Hispanic	33,056	34,302	34,661	4.9	1.0
Italian types	474,325	518,595	503,886	6.2	-2.8
Mozzarella	378,076	409,839	401,166	6.1	-2.1
Parmesan	36,440	40,770	39,007	7.0	-4.3
Provolone	30,568	32,805	32,581	6.6	-0.7
Ricotta	18,178	21,823	18,158	-0.1	-16.8
Romano	3,969	4,984	4,989	25.7	0.1
Other Italian types	7,094	8,374	7,985	12.6	-4.6
Swiss	28,114	27,523	27,191	-3.3	-1.2
All other types	13,232	13,381	13,050	-1.4	-2.5
Total cheese ²	1,165,123	1,223,777	1,186,589	1.8	-3.0
Cottage cheese, curd ³	30,516	36,049	37,717	23.6	4.6
Cottage cheese, cream ⁴	28,531	35,291	35,842	25.6	1.6
Cottage cheese, lowfat ⁵	25,100	29,824	32,609	29.9	9.3
Sour cream	118,718	123,459	124,292	4.7	0.7
Yogurt, plain and flavored	371,914	427,988	412,413	10.9	-3.6
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	60,272	66,215	64,678	7.3	-2.3
Ice cream, lowfat, hard	20,397	20,245	19,861	-2.6	-1.9
Ice cream, lowfat, soft	20,578	17,307	18,675	-9.2	7.9
Ice cream, lowfat, total ⁶	40,975	37,552	38,536	-6.0	2.6
Ice cream, nonfat, hard	717	611	549	-23.4	-10.1
Sherbet, hard	1,974	1,835	1,801	-8.8	-1.9
Frozen yogurt, total	3,238	3,731	3,122	-3.6	-16.3
Regular and lowfat, hard	916	1,123	902	-1.5	-19.7
Nonfat, hard	356	325	254	-28.7	-21.8
Other frozen dairy products	1,102	1,274	1,169	6.1	-8.2
Water and juice ices	6,267	6,573	5,706	-9.0	-13.2
Mix for frozen products					
Ice cream, regular, mix	38,352	41,667	41,923	9.3	0.6
Ice cream, lowfat, mix ⁷	21,961	21,019	21,636	-1.5	2.9
Ice cream, nonfat, mix	444	407	451	1.6	10.8
Sherbet mix	1,544	1,480	1,605	4.0	8.4
Yogurt mix	1,905	1,871	1,875	-1.6	0.2

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:
April 2023 and 2024**

Product	April 2023	March 2024	April 2024	Change from	
				April 2023	March 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	7,563	6,729	7,133	-5.7	6.0
Dry whey products					
Dry whey, human	75,230	74,473	75,253	(Z)	1.0
Dry whey, animal	4,365	5,452	5,987	37.2	9.8
Dry whey, total	79,595	79,925	81,240	2.1	1.6
Reduced Lactose and minerals					
Human and animal	4,068	3,889	3,926	-3.5	1.0
Whey protein concentrate					
Human ²	40,769	42,614	38,306	-6.0	-10.1
Animal ²	1,050	1,556	943	-10.2	-39.4
Total ²	41,819	44,170	39,249	-6.1	-11.1
25.0-49.9 percent ³	14,365	12,246	10,978	-23.6	-10.4
50.0-89.9 percent ³	27,454	31,924	28,271	3.0	-11.4
Whey protein isolates ⁴	9,285	16,873	15,434	66.2	-8.5
Lactose, human and animal	92,838	99,109	91,450	-1.5	-7.7
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	74,798	75,813	67,672	-9.5	-10.7
Dry whey, animal	4,305	5,471	4,922	14.3	-10.0
Dry whey, total	79,103	81,284	72,594	-8.2	-10.7
Reduced Lactose and minerals					
Human and animal ⁶	8,134	7,451	7,855	-3.4	5.4
Whey protein concentrate					
Human ²	88,637	50,870	49,603	-44.0	-2.5
Animal ²	1,330	1,957	2,001	50.5	2.2
Total ²	89,967	52,827	51,604	-42.6	-2.3
25.0-49.9 percent ³	36,272	20,731	18,747	-48.3	-9.6
50.0-89.9 percent ³	53,695	32,096	32,857	-38.8	2.4
Whey protein isolates ⁴	28,157	15,528	15,779	-44.0	1.6
Lactose, human and animal	167,778	111,994	115,590	-31.1	3.2
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	28.3	24.3	25.7	-2.6	1.4

(Z) Less than half of the unit shown.

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:
April 2023 and 2024**

Product	April 2023	March 2024	April 2024	Change from	
				April 2023	March 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	118,823	125,016	134,697	13.4	7.7
Dry milk products					
Dry buttermilk, total	13,168	14,806	13,429	2.0	-9.3
Dry skim milk, animal	530	589	624	17.7	5.9
Dry whole milk	8,529	8,439	9,037	6.0	7.1
Milk protein concentrate, total ¹	22,533	31,704	31,575	40.1	-0.4
Nonfat dry milk, human	198,521	183,977	173,381	-12.7	-5.8
Skim milk powder, total ²	45,797	28,313	36,254	-20.8	28.0
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	40,265	39,847	39,902	-0.9	0.1
Dry skim milk, animal	5,892	7,421	7,419	25.9	Z
Dry whole milk	14,302	11,447	11,926	-16.6	4.2
Nonfat dry milk, human	297,675	233,171	280,640	-5.7	20.4
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	187,304	154,270	123,328	-34.2	-20.1

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: 2023 and 2024

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,222,785	1,200,917	-1.8	1,222,785	1,200,917	-1.8
February	1,116,128	1,139,985	2.1	2,338,913	2,340,902	0.1
March	1,224,820	1,223,777	-0.1	3,563,733	3,564,679	(Z)
April	1,165,123	1,186,589	1.8	4,728,856	4,751,268	0.5
May	1,204,162			5,933,018		
June	1,178,410			7,111,428		
July	1,168,945			8,280,373		
August	1,177,853			9,458,226		
September	1,159,521			10,617,747		
October	1,214,264			11,832,011		
November	1,171,266			13,003,277		
December	1,207,714			14,210,991		
Total American cheese types ²						
January	512,962	473,081	-7.8	512,962	473,081	-7.8
February	454,152	446,591	-1.7	967,114	919,672	-4.9
March	505,830	489,346	-3.3	1,472,944	1,409,018	-4.3
April	491,399	468,103	-4.7	1,964,343	1,877,121	-4.4
May	517,700			2,482,043		
June	480,863			2,962,906		
July	481,811			3,444,717		
August	479,230			3,923,947		
September	473,266			4,397,213		
October	487,001			4,884,214		
November	471,035			5,355,249		
December	489,254			5,844,503		
Cheddar cheese						
January	366,554	330,574	-9.8	366,554	330,574	-9.8
February	328,113	314,571	-4.1	694,667	645,145	-7.1
March	355,379	340,784	-4.1	1,050,046	985,929	-6.1
April	352,686	322,306	-8.6	1,402,732	1,308,235	-6.7
May	364,287			1,767,019		
June	343,057			2,110,076		
July	333,699			2,443,775		
August	325,393			2,769,168		
September	319,957			3,089,125		
October	342,782			3,431,907		
November	321,767			3,753,674		
December	337,743			4,091,417		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2023 and 2024 (continued)

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	501,658	510,548	1.8	501,658	510,548	1.8
February	460,736	476,892	3.5	962,394	987,440	2.6
March	496,213	518,595	4.5	1,458,607	1,506,035	3.3
April	474,325	503,886	6.2	1,932,932	2,009,921	4.0
May	484,024			2,416,956		
June	486,238			2,903,194		
July	483,503			3,386,697		
August	484,214			3,870,911		
September	479,371			4,350,282		
October	509,162			4,859,444		
November	487,486			5,346,930		
December	507,540			5,854,470		
Mozzarella						
January	394,320	398,419	1.0	394,320	398,419	1.0
February	361,784	374,126	3.4	756,104	772,545	2.2
March	383,594	409,839	6.8	1,139,698	1,182,384	3.7
April	378,076	401,166	6.1	1,517,774	1,583,550	4.3
May	378,366			1,896,140		
June	383,786			2,279,926		
July	384,244			2,664,170		
August	381,750			3,045,920		
September	379,375			3,425,295		
October	399,262			3,824,557		
November	380,413			4,204,970		
December	401,292			4,606,262		
Other Italian cheese types						
January	7,359	8,380	13.9	7,359	8,380	13.9
February	6,736	7,680	14.0	14,095	16,060	13.9
March	7,638	8,374	9.6	21,733	24,434	12.4
April	7,094	7,985	12.6	28,827	32,419	12.5
May	7,359			36,186		
June	6,979			43,165		
July	6,686			49,851		
August	7,385			57,236		
September	6,652			63,888		
October	7,454			71,342		
November	7,361			78,703		
December	7,110			85,813		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2023 and 2024 (continued)

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	203,586	217,247	6.7	203,586	217,247	6.7
February	187,456	197,645	5.4	391,042	414,892	6.1
March	205,762	210,526	2.3	596,804	625,418	4.8
April	197,344	207,841	5.3	794,148	833,259	4.9
May	196,410			990,558		
June	164,478			1,155,036		
July	158,220			1,313,256		
August	138,915			1,452,171		
September	143,134			1,595,305		
October	162,523			1,757,828		
November	163,544			1,921,372		
December	193,656			2,115,028		
Nonfat dry milk, human						
January	175,602	138,296	-21.2	175,602	138,296	-21.2
February	177,583	147,081	-17.2	353,185	285,377	-19.2
March	199,390	183,977	-7.7	552,575	469,354	-15.1
April	198,521	173,381	-12.7	751,096	642,735	-14.4
May	206,532			957,628		
June	173,093			1,130,721		
July	133,356			1,264,077		
August	112,079			1,376,156		
September	99,972			1,476,128		
October	128,569			1,604,697		
November	116,818			1,721,515		
December	146,889			1,868,404		
Skim milk powder, total ³						
January	56,002	56,918	1.6	56,002	56,918	1.6
February	47,623	36,240	-23.9	103,625	93,158	-10.1
March	48,544	28,313	-41.7	152,169	121,471	-20.2
April	45,797	36,254	-20.8	197,966	157,725	-20.3
May	46,555			244,521		
June	49,722			294,243		
July	72,400			366,643		
August	71,296			437,939		
September	67,711			505,650		
October	54,046			559,696		
November	70,722			630,418		
December	64,201			694,619		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2023 and 2024 (continued)

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	76,713	77,724	1.3	76,713	77,724	1.3
February	66,699	72,131	8.1	143,412	149,855	4.5
March	77,296	79,925	3.4	220,708	229,780	4.1
April	79,595	81,240	2.1	300,303	311,020	3.6
May	81,782			382,085		
June	88,164			470,249		
July	89,321			559,570		
August	83,570			643,140		
September	78,899			722,039		
October	75,276			797,315		
November	68,581			865,896		
December	72,550			938,446		
Lactose, human and animal						
January	90,193	89,452	-0.8	90,193	89,452	-0.8
February	83,542	87,602	4.9	173,735	177,054	1.9
March	98,668	99,109	0.4	272,403	276,163	1.4
April	92,838	91,450	-1.5	365,241	367,613	0.6
May	95,558			460,799		
June	98,125			558,924		
July	94,224			653,148		
August	92,371			745,519		
September	95,253			840,772		
October	90,017			930,789		
November	84,059			1,014,848		
December	90,687			1,105,535		
Whey protein concentrate, total						
January	41,102	42,695	3.9	41,102	42,695	3.9
February	38,859	38,710	-0.4	79,961	81,405	1.8
March	43,152	44,170	2.4	123,113	125,575	2.0
April	41,819	39,249	-6.1	164,932	164,824	-0.1
May	43,893			208,825		
June	43,643			252,468		
July	42,769			295,237		
August	40,792			336,029		
September	40,645			376,674		
October	39,688			416,362		
November	41,293			457,655		
December	44,300			501,955		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2023 and 2024 (continued)

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	29,410	32,818	11.6	29,410	32,818	11.6
February	29,224	32,747	12.1	58,634	65,565	11.8
March	33,127	35,291	6.5	91,761	100,856	9.9
April	28,531	35,842	25.6	120,292	136,698	13.6
May	33,114			153,406		
June	32,699			186,105		
July	32,026			218,131		
August	34,739			252,870		
September	33,459			286,329		
October	31,351			317,680		
November	31,158			348,838		
December	29,001			377,839		
Cottage cheese, lowfat						
January	26,555	29,535	11.2	26,555	29,535	11.2
February	24,353	28,625	17.5	50,908	58,160	14.2
March	26,305	29,824	13.4	77,213	87,984	13.9
April	25,100	32,609	29.9	102,313	120,593	17.9
May	28,559			130,872		
June	27,433			158,305		
July	29,618			187,923		
August	32,997			220,920		
September	32,472			253,392		
October	29,760			283,152		
November	26,106			309,258		
December	26,154			335,412		
Sour cream						
January	127,476	128,934	1.1	127,476	128,934	1.1
February	114,036	119,290	4.6	241,512	248,224	2.8
March	127,913	123,459	-3.5	369,425	371,683	0.6
April	118,718	124,292	4.7	488,143	495,975	1.6
May	128,185			616,328		
June	129,278			745,606		
July	118,268			863,874		
August	121,697			985,571		
September	119,965			1,105,536		
October	139,112			1,244,648		
November	141,909			1,386,557		
December	132,557			1,519,114		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2023 and 2024 (continued)

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	51,980	49,619	-4.5	51,980	49,619	-4.5
February	56,997	57,300	0.5	108,977	106,919	-1.9
March	65,225	66,215	1.5	174,202	173,134	-0.6
April	60,272	64,678	7.3	234,474	237,812	1.4
May	63,493			297,967		
June	66,668			364,635		
July	61,876			426,511		
August	65,454			491,965		
September	61,000			552,965		
October	55,913			608,878		
November	48,489			657,367		
December	44,454			701,821		
Ice cream, lowfat total						
January	32,887	26,593	-19.1	32,887	26,593	-19.1
February	36,307	31,391	-13.5	69,194	57,984	-16.2
March	43,267	37,552	-13.2	112,461	95,536	-15.0
April	40,975	38,536	-6.0	153,436	134,072	-12.6
May	42,912			196,348		
June	42,995			239,343		
July	41,580			280,923		
August	42,401			323,324		
September	35,738			359,062		
October	37,237			396,299		
November	27,899			424,198		
December	26,658			450,856		
Sherbet, hard						
January	1,783	1,609	-9.8	1,783	1,609	-9.8
February	2,029	1,533	-24.4	3,812	3,142	-17.6
March	1,851	1,835	-0.9	5,663	4,977	-12.1
April	1,974	1,801	-8.8	7,637	6,778	-11.2
May	1,937			9,574		
June	1,918			11,492		
July	1,698			13,190		
August	2,069			15,259		
September	1,525			16,784		
October	1,644			18,428		
November	1,371			19,799		
December	1,182			20,981		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2023 and 2024 (continued)

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	384,757	397,623	3.3	384,757	397,623	3.3
February	383,743	396,526	3.3	768,500	794,149	3.3
March	428,478	427,988	-0.1	1,196,978	1,222,137	2.1
April	371,914	412,413	10.9	1,568,892	1,634,550	4.2
May	382,291			1,951,183		
June	384,105			2,335,288		
July	385,092			2,720,380		
August	392,827			3,113,207		
September	402,621			3,515,828		
October	374,844			3,890,672		
November	339,246			4,229,918		
December	359,954			4,589,872		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	2,584	3,277	26.8	2,584	3,277	26.8
February	3,450	4,001	16.0	6,034	7,278	20.6
March	3,710	3,731	0.6	9,744	11,009	13.0
April	3,238	3,122	-3.6	12,982	14,131	8.9
May	4,316			17,298		
June	4,272			21,570		
July	4,292			25,862		
August	4,335			30,197		
September	3,245			33,442		
October	3,321			36,763		
November	2,422			39,185		
December	3,191			42,376		

(Z) Less than half of the unit shown.

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, United States, and Regions:
April 2023 and 2024**

State and region	April 2023	March 2024	April 2024	Change from	
				April 2023	March 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	207,437	215,174	205,538	-0.9	-4.5
Idaho	86,470	89,043	88,978	2.9	-0.1
Illinois	5,588	5,507	5,416	-3.1	-1.7
Iowa	30,238	33,204	31,905	5.5	-3.9
Massachusetts	6,165	6,626	6,588	6.9	-0.6
Minnesota	66,276	70,881	68,050	2.7	-4.0
New Jersey	5,054	6,031	5,509	9.0	-8.7
New Mexico	79,035	82,916	77,907	-1.4	-6.0
New York	65,621	72,786	74,233	13.1	2.0
Ohio	20,489	22,064	20,577	0.4	-6.7
Pennsylvania	39,425	38,938	42,281	7.2	8.6
South Dakota	41,820	49,375	45,127	7.9	-8.6
Vermont	11,292	12,886	12,472	10.4	-3.2
Wisconsin	281,480	301,850	293,679	4.3	-2.7
Other States ¹	218,733	216,496	208,329	-4.8	-3.8
United States	1,165,123	1,223,777	1,186,589	1.8	-3.0
Atlantic	132,849	142,709	146,558	10.3	2.7
Central	565,211	598,318	570,751	1.0	-4.6
West	467,063	482,750	469,280	0.5	-2.8

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

American Cheese Production – States, United States, and Regions: April 2023 and 2024

State and region	April 2023	March 2024	April 2024	Change from	
				April 2023	March 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	46,926	50,361	46,816	-0.2	-7.0
Iowa	16,956	19,952	19,336	14.0	-3.1
Minnesota	58,705	59,286	57,895	-1.4	-2.3
New York	12,326	12,878	11,595	-5.9	-10.0
Wisconsin	92,388	92,219	93,700	1.4	1.6
Other States ¹	264,098	254,650	238,761	-9.6	-6.2
United States	491,399	489,346	468,103	-4.7	-4.3
Atlantic	28,037	29,797	28,418	1.4	-4.6
Central	270,468	272,561	260,832	-3.6	-4.3
West	192,894	186,988	178,853	-7.3	-4.4

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

Cheddar Cheese Production – States, United States, and Regions: April 2023 and 2024

State and region	April 2023	March 2024	April 2024	Change from	
				April 2023	March 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	21,570	21,291	21,252	-1.5	-0.2
Iowa	12,491	15,194	11,658	-6.7	-23.3
Vermont	8,147	8,755	8,862	8.8	1.2
Wisconsin	63,876	60,387	62,500	-2.2	3.5
Other States ¹	246,602	235,157	218,034	-11.6	-7.3
United States	352,686	340,784	322,306	-8.6	-5.4
Atlantic	26,547	28,172	26,578	0.1	-5.7
Central	194,946	190,043	178,160	-8.6	-6.3
West	131,193	122,569	117,568	-10.4	-4.1

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

Total Italian Cheese Production – States, United States, and Regions: April 2023 and 2024

State and region	April 2023	March 2024	April 2024	Change from	
				April 2023	March 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	137,276	144,427	139,862	1.9	-3.2
Minnesota	7,410	11,433	9,956	34.4	-12.9
New Jersey	2,372	3,077	2,691	13.4	-12.5
New York	26,789	30,947	27,905	4.2	-9.8
Pennsylvania	24,268	22,481	23,730	-2.2	5.6
Wisconsin	134,044	145,422	141,739	5.7	-2.5
Other States ¹	142,166	160,808	158,003	11.1	-1.7
United States	474,325	518,595	503,886	6.2	-2.8
Atlantic	57,379	60,545	58,302	1.6	-3.7
Central	193,657	211,478	203,992	5.3	-3.5
West	223,289	246,572	241,592	8.2	-2.0

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

Mozzarella Cheese Production – States, United States, and Regions: April 2023 and 2024

State and region	April 2023	March 2024	April 2024	Change from	
				April 2023	March 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	126,935	134,147	129,195	1.8	-3.7
New Jersey	1,421	1,523	1,476	3.9	-3.1
New York	12,971	14,682	13,221	1.9	-10.0
Pennsylvania	20,094	18,190	19,515	-2.9	7.3
Wisconsin	84,484	93,139	90,900	7.6	-2.4
Other States ¹	132,171	148,158	146,859	11.1	-0.9
United States	378,076	409,839	401,166	6.1	-2.1
Atlantic	36,881	36,842	36,638	-0.7	-0.6
Central	129,623	137,813	134,966	4.1	-2.1
West	211,572	235,184	229,562	8.5	-2.4

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

Butter Production – States, United States, and Regions: April 2023 and 2024

State and region	April 2023	March 2024	April 2024	Change from	
				April 2023	March 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	63,363	65,808	63,228	-0.2	-3.9
Pennsylvania	7,145	7,749	7,857	10.0	1.4
Other States ¹	126,836	136,969	136,756	7.8	-0.2
United States	197,344	210,526	207,841	5.3	-1.3
Atlantic	15,820	17,031	17,018	7.6	-0.1
Central	79,116	83,346	84,668	7.0	1.6
West	102,408	110,149	106,155	3.7	-3.6

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

Nonfat Dry Milk (Human) Production – States, United States, and Regions: April 2023 and 2024

State and region	April 2023	March 2024	April 2024	Change from	
				April 2023	March 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	91,451	91,885	79,057	-13.6	-14.0
Pennsylvania	16,687	11,635	12,483	-25.2	7.3
Other States ¹	90,383	80,457	81,841	-9.5	1.7
United States	198,521	183,977	173,381	-12.7	-5.8
Atlantic	30,471	25,247	26,928	-11.6	6.7
Central	39,023	39,441	37,638	-3.5	-4.6
West	129,027	119,289	108,815	-15.7	-8.8

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

Dry Whey (Human) Production – States, United States, and Regions: April 2023 and 2024

State and region	April 2023	March 2024	April 2024	Change from	
				April 2023	March 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	10,818	11,560	10,990	1.6	-4.9
Wisconsin	18,894	25,834	21,782	15.3	-15.7
Other States ¹	45,518	37,079	42,481	-6.7	14.6
United States	75,230	74,473	75,253	(Z)	1.0
Atlantic	21,782	21,069	21,079	-3.2	(Z)
Central	37,382	39,954	40,705	8.9	1.9
West	16,066	13,450	13,469	-16.2	0.1

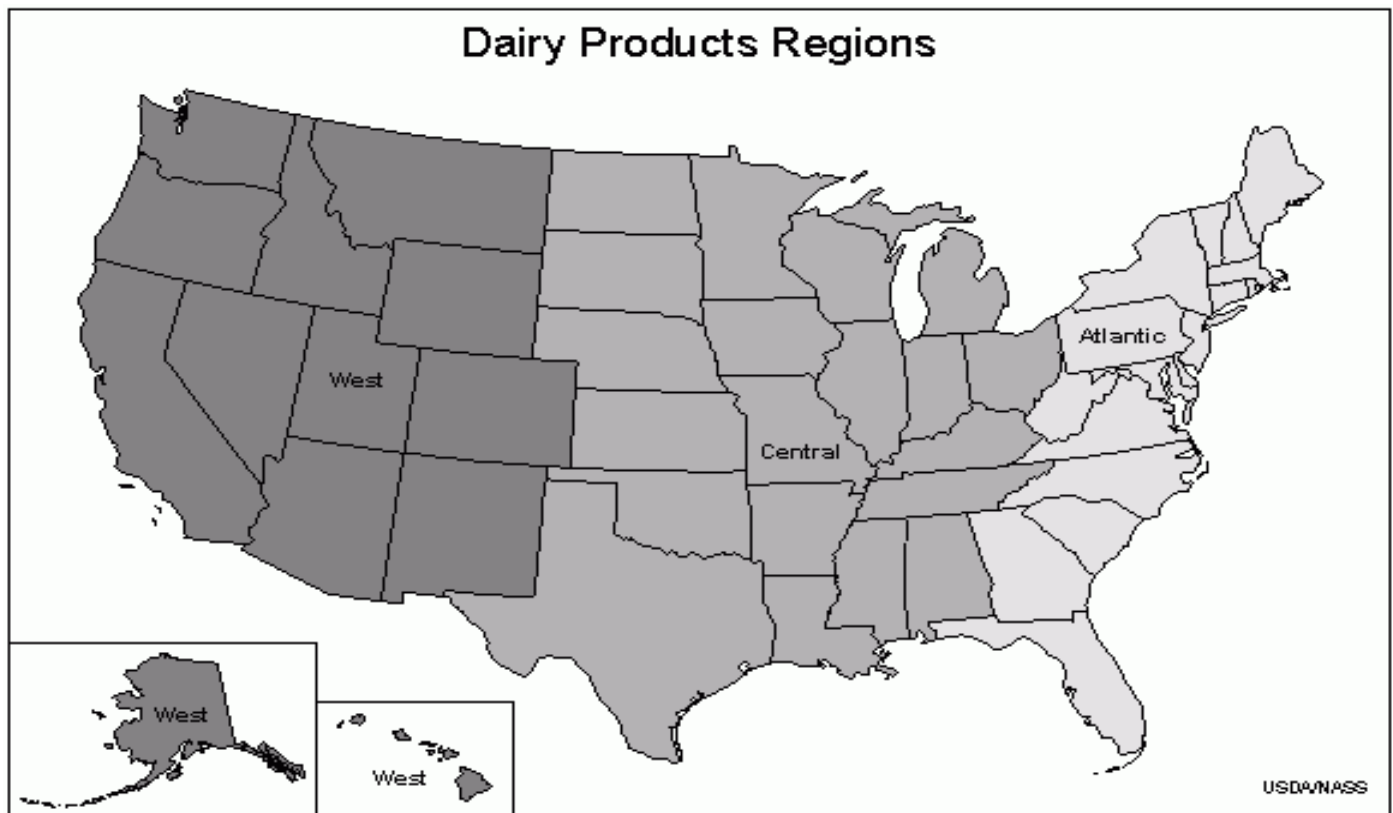
(Z) Less than half of the unit shown.

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

Ice Cream, Regular (Hard) Production – States, United States, and Regions: April 2023 and 2024

State and region	April 2023	March 2024	April 2024	Change from	
				April 2023	March 2024
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	5,946	7,248	8,502	43.0	17.3
New York	2,559	2,239	2,551	-0.3	13.9
Ohio	2,174	1,984	2,306	6.1	16.2
Utah	1,723	1,608	1,874	8.8	16.5
Wisconsin	851	994	903	6.1	-9.2
Other States ¹	47,019	52,142	48,542	3.2	-6.9
United States	60,272	66,215	64,678	7.3	-2.3
Atlantic	13,965	12,421	12,441	-10.9	0.2
Central	35,188	40,913	38,071	8.2	-6.9
West	11,119	12,881	14,166	27.4	10.0

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



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 2023, there were 1,183 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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- 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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