



Dairy Products

ISSN: 1949-0399

Released July 3, 2024, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

May 2024 Highlights

Total cheese output (excluding cottage cheese) was 1.21 billion pounds, 0.7 percent above May 2023 and 2.1 percent above April 2024.

Italian type cheese production totaled 505 million pounds, 4.4 percent above May 2023 and slightly above April 2024.

American type cheese production totaled 488 million pounds, 5.7 percent below May 2023 but 4.5 percent above April 2024.

Butter production was 204 million pounds, 4.0 percent above May 2023 but 1.6 percent below April 2024.

Dry milk products (comparisons in percentage with May 2023)

Nonfat dry milk, human - 171 million pounds, down 17.2 percent.

Skim milk powder - 41.9 million pounds, down 10.1 percent.

Whey products (comparisons in percentage with May 2023)

Dry whey, total - 76.6 million pounds, down 6.3 percent.

Lactose, human and animal - 93.0 million pounds, down 2.7 percent.

Whey protein concentrate, total - 42.5 million pounds, down 3.2 percent.

Frozen products (comparisons in percentage with May 2023)

Ice cream, regular (hard) - 65.0 million gallons, up 2.3 percent.

Ice cream, lowfat (total) - 40.3 million gallons, down 6.1 percent.

Sherbet (hard) - 1.73 million gallons, down 10.6 percent.

Frozen yogurt (total) - 4.32 million gallons, up 0.1 percent.

Contents

Dairy Products Production by Product – United States: March 2023 and 2024	3
Whey and Modified Whey Products Production, Stocks, and Prices – United States: March 2023 and 2024	4
Condensed and Dry Milk Products Production, Stocks, and Shipments – United States: March 2023 and 2024	5
Dairy Products Production by Product and Month – United States: 2023 and 2024	6
Total Cheese Production Excluding Cottage Cheese – States, United States, and Regions: March 2023 and 2024.....	13
American Cheese Production – States, United States, and Regions: March 2023 and 2024	14
Cheddar Cheese Production – States, United States, and Regions: March 2023 and 2024	14
Total Italian Cheese Production – States, United States, and Regions: March 2023 and 2024	15
Mozzarella Cheese Production – States, United States, and Regions: March 2023 and 2024.....	15
Butter Production – States, United States, and Regions: March 2023 and 2024	16
Nonfat Dry Milk (Human) Production – States, United States, and Regions: March 2023 and 2024.....	16
Dry Whey (Human) Production – States, United States, and Regions: March 2023 and 2024	17
Ice Cream, Regular (Hard) Production – States, United States, and Regions: March 2023 and 2024.....	17
Dairy Products Regions.....	18
Statistical Methodology.....	19
Information Contacts.....	20

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

Product	May 2023	April 2024	May 2024	Change from	
				May 2023	April 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	196,410	207,630	204,333	4.0	-1.6
Cheese					
American types ¹	517,700	467,098	488,118	-5.7	4.5
Cheddar	364,287	317,180	329,031	-9.7	3.7
Other American types	153,413	149,918	159,087	3.7	6.1
Blue and Gorgonzola	7,175	6,944	8,807	22.7	26.8
Brick and Muenster	16,397	15,877	17,715	8.0	11.6
Cream and Neufchatel	84,641	98,167	97,130	14.8	-1.1
Feta	12,969	13,412	14,169	9.3	5.6
Gouda	4,211	6,411	6,003	42.6	-6.4
Hispanic	32,383	34,760	34,627	6.9	-0.4
Italian types	484,024	505,053	505,096	4.4	(Z)
Mozzarella	378,366	402,159	405,084	7.1	0.7
Parmesan	43,938	39,414	39,584	-9.9	0.4
Provolone	32,745	32,383	32,387	-1.1	(Z)
Ricotta	17,466	18,158	15,792	-9.6	-13.0
Romano	4,150	4,989	4,967	19.7	-0.4
Other Italian types	7,359	7,950	7,282	-1.0	-8.4
Swiss	31,245	27,427	28,667	-8.3	4.5
All other types	13,417	13,112	12,386	-7.7	-5.5
Total cheese ²	1,204,162	1,188,261	1,212,718	0.7	2.1
Cottage cheese, curd ³	35,329	37,737	37,793	7.0	0.1
Cottage cheese, cream ⁴	33,114	35,842	36,108	9.0	0.7
Cottage cheese, lowfat ⁵	28,559	32,609	33,053	15.7	1.4
Sour cream	128,185	124,292	127,879	-0.2	2.9
Yogurt, plain and flavored	382,291	413,821	403,157	5.5	-2.6
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	63,493	64,744	64,977	2.3	0.4
Ice cream, lowfat, hard	20,303	19,656	19,568	-3.6	-0.4
Ice cream, lowfat, soft	22,609	19,006	20,713	-8.4	9.0
Ice cream, lowfat, total ⁶	42,912	38,662	40,281	-6.1	4.2
Ice cream, nonfat, hard	708	549	620	-12.4	12.9
Sherbet, hard	1,937	1,777	1,732	-10.6	-2.5
Frozen yogurt, total	4,316	3,105	4,319	0.1	39.1
Regular and lowfat, hard	1,106	885	1,143	3.3	29.2
Nonfat, hard	395	254	359	-9.1	41.3
Other frozen dairy products	1,157	1,190	1,328	14.8	11.6
Water and juice ices	7,016	5,673	6,878	-2.0	21.2
Mix for frozen products					
Ice cream, regular, mix	40,461	42,136	41,987	3.8	-0.4
Ice cream, lowfat, mix ⁷	23,411	21,726	22,702	-3.0	4.5
Ice cream, nonfat, mix	492	445	365	-25.8	-18.0
Sherbet mix	1,554	1,587	1,428	-8.1	-10.0
Yogurt mix	2,089	1,770	1,599	-23.5	-9.7

(Z) Less than half of the unit shown.

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 2023 and 2024**

Product	May 2023	April 2024	May 2024	Change from	
				May 2023	April 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	8,285	7,133	8,163	-1.5	14.4
Dry whey products					
Dry whey, human	77,264	75,253	70,755	-8.4	-6.0
Dry whey, animal	4,518	5,987	5,875	30.0	-1.9
Dry whey, total	81,782	81,240	76,630	-6.3	-5.7
Reduced Lactose and minerals					
Human and animal	3,844	3,706	3,827	-0.4	3.3
Whey protein concentrate					
Human ²	43,023	38,292	40,926	-4.9	6.9
Animal ²	870	941	1,556	78.9	65.4
Total ²	43,893	39,233	42,482	-3.2	8.3
25.0-49.9 percent ³	15,895	10,978	12,363	-22.2	12.6
50.0-89.9 percent ³	27,998	28,255	30,119	7.6	6.6
Whey protein isolates ⁴	9,422	15,434	16,127	71.2	4.5
Lactose, human and animal	95,558	91,706	93,024	-2.7	1.4
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	75,237	67,692	60,273	-19.9	-11.0
Dry whey, animal	2,865	4,922	4,188	46.2	-14.9
Dry whey, total	78,102	72,614	64,461	-17.5	-11.2
Reduced Lactose and minerals					
Human and animal ⁶	8,515	8,223	7,987	-6.2	-2.9
Whey protein concentrate					
Human ²	89,014	49,570	52,936	-40.5	6.8
Animal ²	1,416	1,973	2,519	77.9	27.7
Total ²	90,430	51,543	55,455	-38.7	7.6
25.0-49.9 percent ³	38,008	18,839	21,060	-44.6	11.8
50.0-89.9 percent ³	52,422	32,704	34,395	-34.4	5.2
Whey protein isolates ⁴	25,700	15,701	17,930	-30.2	14.2
Lactose, human and animal	170,086	115,336	118,256	-30.5	2.5
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	26.6	25.7	25.6	-1.0	-0.1

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 2023 and 2024**

Product	May 2023	April 2024	May 2024	Change from	
				May 2023	April 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	127,606	134,546	134,492	5.4	(Z)
Dry milk products					
Dry buttermilk, total	13,763	13,429	12,871	-6.5	-4.2
Dry skim milk, animal	795	634	690	-13.2	8.8
Dry whole milk	9,446	9,037	9,350	-1.0	3.5
Milk protein concentrate, total ¹	23,920	31,628	32,299	35.0	2.1
Nonfat dry milk, human	206,532	174,167	171,037	-17.2	-1.8
Skim milk powder, total ²	46,555	35,840	41,852	-10.1	16.8
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	40,169	39,902	38,876	-3.2	-2.6
Dry skim milk, animal	6,241	7,419	9,511	52.4	28.2
Dry whole milk	13,458	11,926	12,315	-8.5	3.3
Nonfat dry milk, human	300,319	280,640	283,573	-5.6	1.0
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	200,163	128,328	165,930	-17.1	29.3

(Z) Less than half of the unit shown.

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	1,188,261	2.0	4,728,856	4,752,940	0.5
May	1,204,162	1,212,718	0.7	5,933,018	5,965,658	0.6
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	467,098	-4.9	1,964,343	1,876,116	-4.5
May	517,700	488,118	-5.7	2,482,043	2,364,234	-4.7
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	317,180	-10.1	1,402,732	1,303,109	-7.1
May	364,287	329,031	-9.7	1,767,019	1,632,140	-7.6
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.

--continued

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	505,053	6.5	1,932,932	2,011,088	4.0
May	484,024	505,096	4.4	2,416,956	2,516,184	4.1
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	402,159	6.4	1,517,774	1,584,543	4.4
May	378,366	405,084	7.1	1,896,140	1,989,627	4.9
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	7,950	12.1	28,827	32,384	12.3
May	7,359	7,282	-1.0	36,186	39,666	9.6
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.

--continued

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	207,630	5.2	794,148	833,048	4.9
May	196,410	204,333	4.0	990,558	1,037,381	4.7
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	174,167	-12.3	751,096	643,521	-14.3
May	206,532	171,037	-17.2	957,628	814,558	-14.9
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	35,840	-21.7	197,966	157,311	-20.5
May	46,555	41,852	-10.1	244,521	199,163	-18.5
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.

--continued

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	76,630	-6.3	382,085	387,650	1.5
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	91,706	-1.2	365,241	367,869	0.7
May	95,558	93,024	-2.7	460,799	460,893	
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	39,233	-6.2	164,932	164,808	-0.1
May	43,893	42,482	-3.2	208,825	207,290	-0.7
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.

--continued

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	36,108	9.0	153,406	172,806	12.6
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	33,053	15.7	130,872	153,646	17.4
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	127,879	-0.2	616,328	623,854	1.2
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.

--continued

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	64,744	7.4	234,474	237,878	1.5
May	63,493	64,977	2.3	297,967	302,855	1.6
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	38,662	-5.6	153,436	134,198	-12.5
May	42,912	40,281	-6.1	196,348	174,479	-11.1
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	1,777	-10.0	7,637	6,754	-11.6
May	1,937	1,732	-10.6	9,574	8,486	-11.4
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.

--continued

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	413,821	11.3	1,568,892	1,635,958	4.3
May	382,291	403,157	5.5	1,951,183	2,039,115	4.5
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	3,105	-4.1	12,982	14,114	8.7
May	4,316	4,319	0.1	17,298	18,433	6.6
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:
May 2023 and 2024**

State and region	May 2023	April 2024	May 2024	Change from	
				May 2023	April 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	215,676	206,502	214,526	-0.5	3.9
Idaho	75,008	89,372	81,647	8.9	-8.6
Illinois	6,458	5,416	5,697	-11.8	5.2
Iowa	34,960	33,372	33,441	-4.3	0.2
Minnesota	71,136	68,050	70,473	-0.9	3.6
New Jersey	5,771	5,509	5,627	-2.5	2.1
New Mexico	93,542	77,907	80,954	-13.5	3.9
New York	62,083	74,235	74,222	19.6	(Z)
Ohio	22,087	20,577	20,546	-7.0	-0.2
Pennsylvania	41,105	42,281	41,234	0.3	-2.5
South Dakota	44,488	45,127	45,614	2.5	1.1
Vermont	12,756	12,472	12,342	-3.2	-1.0
Wisconsin	296,001	294,829	305,570	3.2	3.6
Other States ¹	223,091	212,612	220,825	-1.0	3.9
United States	1,204,162	1,188,261	1,212,718	0.7	2.1
Atlantic	133,537	140,066	138,882	4.0	-0.8
Central	595,907	577,557	599,512	0.6	3.8
West	474,718	470,638	474,324	-0.1	0.8

(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.

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

State and region	May 2023	April 2024	May 2024	Change from	
				May 2023	April 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	46,927	46,815	48,992	4.4	4.7
Iowa	18,222	20,240	19,621	7.7	-3.1
Minnesota	59,086	57,895	60,925	3.1	5.2
New York	12,379	11,595	12,798	3.4	10.4
Wisconsin	97,308	93,890	94,400	-3.0	0.5
Other States ¹	283,778	236,663	251,382	-11.4	6.2
United States	517,700	467,098	488,118	-5.7	4.5
Atlantic	29,548	21,924	23,315	-21.1	6.3
Central	283,000	266,114	277,810	-1.8	4.4
West	205,152	179,060	186,993	-8.9	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: May 2023 and 2024

State and region	May 2023	April 2024	May 2024	Change from	
				May 2023	April 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	22,213	21,251	22,308	0.4	5.0
Iowa	13,733	11,780	13,384	-2.5	13.6
Vermont	8,727	8,862	9,050	3.7	2.1
Wisconsin	64,969	62,093	58,800	-9.5	-5.3
Other States ¹	254,645	213,194	225,489	-11.4	5.8
United States	364,287	317,180	329,031	-9.7	3.7
Atlantic	27,438	20,084	21,519	-21.6	7.1
Central	196,709	179,321	186,268	-5.3	3.9
West	140,140	117,775	121,244	-13.5	2.9

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: May 2023 and 2024

State and region	May 2023	April 2024	May 2024	Change from	
				May 2023	April 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	145,073	139,932	145,978	0.6	4.3
Minnesota	11,706	9,956	9,386	-19.8	-5.7
New Jersey	2,794	2,691	2,729	-2.3	1.4
New York	27,136	27,905	26,968	-0.6	-3.4
Pennsylvania	24,169	23,730	23,218	-3.9	-2.2
Wisconsin	140,834	142,247	147,848	5.0	3.9
Other States ¹	132,312	158,592	148,969	12.6	-6.1
United States	484,024	505,053	505,096	4.4	(Z)
Atlantic	58,026	58,302	56,836	-2.1	-2.5
Central	205,314	205,089	209,299	1.9	2.1
West	220,684	241,662	238,961	8.3	-1.1

(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.

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

State and region	May 2023	April 2024	May 2024	Change from	
				May 2023	April 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	133,311	129,585	135,416	1.6	4.5
New Jersey	1,522	1,476	1,489	-2.2	0.9
New York	13,529	13,221	14,145	4.6	7.0
Pennsylvania	19,615	19,515	18,714	-4.6	-4.1
Wisconsin	90,316	91,287	97,600	8.1	6.9
Other States ¹	120,073	147,075	137,720	14.7	-6.4
United States	378,366	402,159	405,084	7.1	0.7
Atlantic	37,121	36,638	36,803	-0.9	0.5
Central	133,799	135,569	141,235	5.6	4.2
West	207,446	229,952	227,046	9.4	-1.3

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

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

State and region	May 2023	April 2024	May 2024	Change from	
				May 2023	April 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	63,713	63,228	63,899	0.3	1.1
Pennsylvania	8,253	7,857	7,538	-8.7	-4.1
Other States ¹	124,444	136,545	132,896	6.8	-2.7
United States	196,410	207,630	204,333	4.0	-1.6
Atlantic	16,724	17,018	15,722	-6.0	-7.6
Central	76,704	84,457	81,497	6.2	-3.5
West	102,982	106,155	107,114	4.0	0.9

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: May 2023 and 2024

State and region	May 2023	April 2024	May 2024	Change from	
				May 2023	April 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	93,095	79,057	71,332	-23.4	-9.8
Pennsylvania	18,139	12,483	13,137	-27.6	5.2
Other States ¹	95,298	82,627	86,568	-9.2	4.8
United States	206,532	174,167	171,037	-17.2	-1.8
Atlantic	35,707	27,714	30,112	-15.7	8.7
Central	39,813	37,638	39,364	-1.1	4.6
West	131,012	108,815	101,561	-22.5	-6.7

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: May 2023 and 2024

State and region	May 2023	April 2024	May 2024	Change from	
				May 2023	April 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	11,555	10,990	12,444	7.7	13.2
Wisconsin	19,468	21,782	23,257	19.5	6.8
Other States ¹	46,241	42,481	35,054	-24.2	-17.5
United States	77,264	75,253	70,755	-8.4	-6.0
Atlantic	22,019	21,079	22,749	3.3	7.9
Central	38,570	40,705	41,235	6.9	1.3
West	16,675	13,469	6,771	-59.4	-49.7

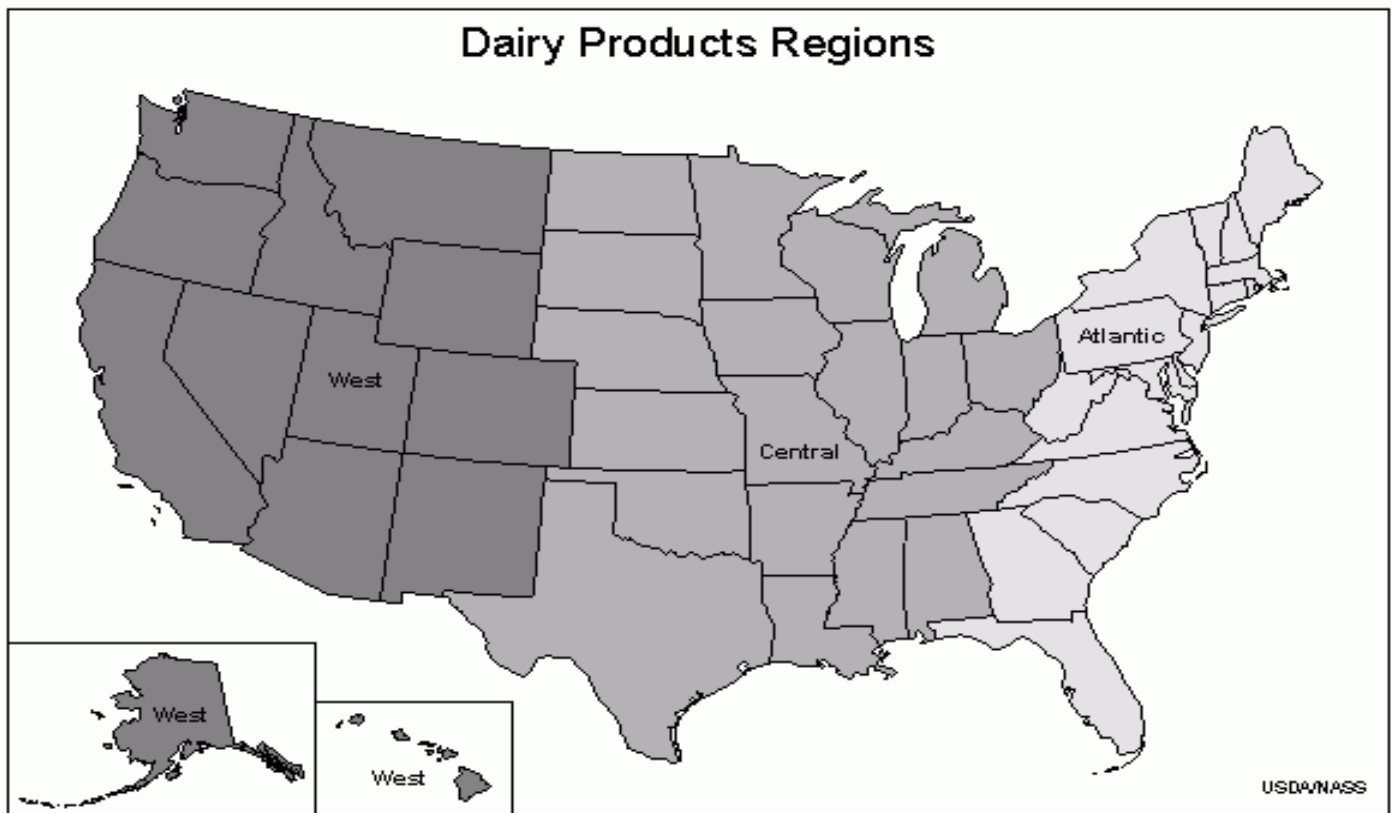
¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State and region	May 2023	April 2024	May 2024	Change from	
				May 2023	April 2024
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	7,574	8,503	8,568	13.1	0.8
New York	2,521	2,551	2,377	-5.7	-6.8
Ohio	2,306	2,306	2,314	0.3	0.3
Utah	1,683	1,874	1,861	10.6	-0.7
Wisconsin	1,018	903	986	-3.1	9.2
Other States ¹	48,391	48,607	48,871	1.0	0.5
United States	63,493	64,744	64,977	2.3	0.4
Atlantic	14,198	12,441	12,927	-9.0	3.9
Central	36,766	38,136	38,029	3.4	-0.3
West	12,529	14,167	14,021	11.9	-1.0

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 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.

Travis Averill, Chief, Livestock Branch	(202) 692-0069
Scott Hollis, Head, Livestock Section	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter	(202) 690-8632
Ryan Cowen – Cattle, Cattle on Feed	(202) 720-3040
Kim DaPra – Milk Production and Milk Cows	(512) 501-3266
Donnie Fike – Dairy Products	(202) 690-3347
Vacant – Hogs and Pigs.....	(202) 720-3106
Suzanne Richards – Sheep and Goats	(202) 720-4448

Access to NASS Reports

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

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov.
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@usda.gov.

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at program.intake@usda.gov.