



Dairy Products

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February 2024 Highlights

Total cheese output (excluding cottage cheese) was 1.13 billion pounds, 3.0 percent above February 2023 but 5.6 percent below January 2024.

Italian type cheese production totaled 479 million pounds, 4.4 percent above February 2023 but 6.2 percent below January 2024.

American type cheese production totaled 438 million pounds, 1.2 percent below February 2023 and 7.5 percent below January 2024.

Butter production was 198 million pounds, 5.6 percent above February 2023 but 9.0 percent below January 2024.

Dry milk products (comparisons in percentage with February 2023)

Nonfat dry milk, human - 147 million pounds, down 19.3 percent.

Skim milk powder - 36.2 million pounds, down 2.6 percent.

Whey products (comparisons in percentage with February 2023)

Dry whey, total - 72.1 million pounds, up 7.9 percent.

Lactose, human and animal - 87.5 million pounds, up 5.8 percent.

Whey protein concentrate, total - 38.7 million pounds, up 4.2 percent.

Frozen products (comparisons in percentage with February 2023)

Ice cream, regular (hard) - 53.6 million gallons, down 8.3 percent.

Ice cream, lowfat (total) - 30.1 million gallons, down 5.7 percent.

Sherbet (hard) - 1.55 million gallons, down 32.7 percent.

Frozen yogurt (total) - 4.13 million gallons, down 4.8 percent.

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

Product	February 2023	January 2024	February 2024	Change from	
				February 2023	January 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	187,200	217,247	197,619	5.6	-9.0
Cheese					
American types ¹	443,179	473,081	437,661	-1.2	-7.5
Cheddar	317,059	330,574	304,860	-3.8	-7.8
Other American types	126,120	142,507	132,801	5.3	-6.8
Blue and Gorgonzola	6,838	6,631	6,576	-3.8	-0.8
Brick and Muenster	13,804	17,115	17,498	26.8	2.2
Cream and Neufchatel	93,812	98,916	100,355	7.0	1.5
Feta	10,059	11,300	12,561	24.9	11.2
Gouda	5,486	4,541	6,580	19.9	44.9
Hispanic	31,439	37,963	35,617	13.3	-6.2
Italian types	458,867	510,548	478,978	4.4	-6.2
Mozzarella	361,531	398,419	373,204	3.2	-6.3
Parmesan	40,130	45,828	42,756	6.5	-6.7
Provolone	27,805	30,305	31,021	11.6	2.4
Ricotta	19,210	22,880	19,864	3.4	-13.2
Romano	3,611	4,736	4,550	26.0	-3.9
Other Italian types	6,580	8,380	7,583	15.2	-9.5
Swiss	24,660	28,710	25,584	3.7	-10.9
All other types	12,118	12,112	11,774	-2.8	-2.8
Total cheese ²	1,100,262	1,200,917	1,133,184	3.0	-5.6
Cottage cheese, curd ³	30,400	33,588	33,472	10.1	-0.3
Cottage cheese, cream ⁴	29,357	32,818	32,417	10.4	-1.2
Cottage cheese, lowfat ⁵	24,320	29,535	28,155	15.8	-4.7
Sour cream	113,600	128,934	120,239	5.8	-6.7
Yogurt, plain and flavored	400,599	397,623	399,084	-0.4	0.4
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	58,382	49,619	53,551	-8.3	7.9
Ice cream, lowfat, hard	16,871	12,996	15,471	-8.3	19.0
Ice cream, lowfat, soft	15,026	13,597	14,600	-2.8	7.4
Ice cream, lowfat, total ⁶	31,897	26,593	30,071	-5.7	13.1
Ice cream, nonfat, hard	556	510	485	-12.8	-4.9
Sherbet, hard	2,308	1,609	1,553	-32.7	-3.5
Frozen yogurt, total	4,340	3,277	4,132	-4.8	26.1
Regular and lowfat, hard	1,095	622	1,091	-0.4	75.4
Nonfat, hard	388	138	184	-52.6	33.3
Other frozen dairy products	1,048	720	864	-17.6	20.0
Water and juice ices	4,985	3,648	5,286	6.0	44.9
Mix for frozen products					
Ice cream, regular, mix	35,409	31,722	33,739	-4.7	6.4
Ice cream, lowfat, mix ⁷	17,877	14,982	16,885	-5.5	12.7
Ice cream, nonfat, mix	399	286	374	-6.3	30.8
Sherbet mix	1,587	1,298	1,231	-22.4	-5.2
Yogurt mix	2,032	1,496	1,861	-8.4	24.4

¹ Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

² Excludes Cottage Cheese.

³ Mostly used for processing into cream or lowfat cottage cheese.

⁴ Fat content 4 percent or more.

⁵ Fat content less than 4 percent.

⁶ Includes freezer-made milkshake.

⁷ Includes milkshake mix.

**Whey and Modified Whey Products Production, Stocks, and Prices – United States:
February 2023 and 2024**

Product	February 2023	January 2024	February 2024	Change from	
				February 2023	January 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	10,063	9,580	8,588	-14.7	-10.4
Dry whey products					
Dry whey, human	62,217	73,456	66,236	6.5	-9.8
Dry whey, animal	4,607	4,268	5,895	28.0	38.1
Dry whey, total	66,824	77,724	72,131	7.9	-7.2
Reduced Lactose and minerals					
Human and animal	3,635	3,265	3,311	-8.9	1.4
Whey protein concentrate					
Human ²	36,188	42,047	38,192	5.5	-9.2
Animal ²	985	648	550	-44.2	-15.1
Total ²	37,173	42,695	38,742	4.2	-9.3
25.0-49.9 percent ³	11,586	12,225	10,518	-9.2	-14.0
50.0-89.9 percent ³	25,587	30,470	28,224	10.3	-7.4
Whey protein isolates ⁴	8,491	14,276	14,529	71.1	1.8
Lactose, human and animal	82,682	89,452	87,453	5.8	-2.2
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	65,494	63,107	66,949	2.2	6.1
Dry whey, animal	3,464	4,368	5,922	71.0	35.6
Dry whey, total	68,958	67,475	72,871	5.7	8.0
Reduced Lactose and minerals					
Human and animal ⁶	10,791	5,987	6,135	-43.1	2.5
Whey protein concentrate					
Human ²	85,623	58,948	56,465	-34.1	-4.2
Animal ²	903	1,090	1,359	50.5	24.7
Total ²	86,526	60,038	57,824	-33.2	-3.7
25.0-49.9 percent ³	31,516	24,720	22,173	-29.6	-10.3
50.0-89.9 percent ³	55,010	35,318	35,651	-35.2	0.9
Whey protein isolates ⁴	23,548	15,948	18,624	-20.9	16.8
Lactose, human and animal	165,653	104,058	107,587	-35.1	3.4
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	23.8	26.6	26.5	2.7	-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:
February 2023 and 2024**

Product	February 2023	January 2024	February 2024	Change from	
				February 2023	January 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	110,867	116,127	111,550	0.6	-3.9
Dry milk products					
Dry buttermilk, total	13,113	18,159	14,503	10.6	-20.1
Dry skim milk, animal	664	660	633	-4.7	-4.1
Dry whole milk	8,441	9,881	10,115	19.8	2.4
Milk protein concentrate, total ¹	19,895	22,549	22,428	12.7	-0.5
Nonfat dry milk, human	182,528	138,296	147,365	-19.3	6.6
Skim milk powder, total ²	37,199	56,918	36,240	-2.6	-36.3
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	39,309	31,533	38,955	-0.9	23.5
Dry skim milk, animal	10,049	3,307	7,892	-21.5	138.6
Dry whole milk	16,832	11,972	12,216	-27.4	2.0
Nonfat dry milk, human	315,820	212,250	209,589	-33.6	-1.3
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	146,621	123,035	143,710	-2.0	16.8

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	1,205,337	1,200,917	-0.4	1,205,337	1,200,917	-0.4
February	1,100,262	1,133,184	3.0	2,305,599	2,334,101	1.2
March	1,231,918			3,537,517		
April	1,169,980			4,707,497		
May	1,203,666			5,911,163		
June	1,170,317			7,081,480		
July	1,155,782			8,237,262		
August	1,156,500			9,393,762		
September	1,149,658			10,543,420		
October	1,194,253			11,737,673		
November	1,158,556			12,896,229		
December	1,197,740			14,093,969		
Total American cheese types ²						
January	498,646	473,081	-5.1	498,646	473,081	-5.1
February	443,179	437,661	-1.2	941,825	910,742	-3.3
March	498,889			1,440,714		
April	485,838			1,926,552		
May	510,181			2,436,733		
June	473,627			2,910,360		
July	468,347			3,378,707		
August	458,648			3,837,355		
September	462,501			4,299,856		
October	470,128			4,769,984		
November	460,868			5,230,852		
December	480,237			5,711,089		
Cheddar cheese						
January	353,921	330,574	-6.6	353,921	330,574	-6.6
February	317,059	304,860	-3.8	670,980	635,434	-5.3
March	348,055			1,019,035		
April	345,668			1,364,703		
May	356,583			1,721,286		
June	338,004			2,059,290		
July	323,377			2,382,667		
August	313,182			2,695,849		
September	311,284			3,007,133		
October	328,858			3,335,991		
November	314,280			3,650,271		
December	331,032			3,981,303		

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	499,904	510,548	2.1	499,904	510,548	2.1
February	458,867	478,978	4.4	958,771	989,526	3.2
March	512,918			1,471,689		
April	479,150			1,950,839		
May	482,542			2,433,381		
June	480,836			2,914,217		
July	482,907			3,397,124		
August	483,985			3,881,109		
September	479,742			4,360,851		
October	506,674			4,867,525		
November	485,901			5,353,426		
December	508,944			5,862,370		
Mozzarella						
January	393,111	398,419	1.4	393,111	398,419	1.4
February	361,531	373,204	3.2	754,642	771,623	2.3
March	401,721			1,156,363		
April	380,896			1,537,259		
May	379,497			1,916,756		
June	380,049			2,296,805		
July	382,947			2,679,752		
August	382,496			3,062,248		
September	379,942			3,442,190		
October	399,380			3,841,570		
November	379,783			4,221,353		
December	403,231			4,624,584		
Other Italian cheese types						
January	7,155	8,380	17.1	7,155	8,380	17.1
February	6,580	7,583	15.2	13,735	15,963	16.2
March	7,398			21,133		
April	9,487			30,620		
May	7,195			37,815		
June	6,795			44,610		
July	6,526			51,136		
August	7,048			58,184		
September	6,540			64,724		
October	7,316			72,040		
November	7,161			79,201		
December	7,202			86,403		

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	201,347	217,247	7.9	201,347	217,247	7.9
February	187,200	197,619	5.6	388,547	414,866	6.8
March	204,964			593,511		
April	196,909			790,420		
May	194,581			985,001		
June	162,129			1,147,130		
July	159,267			1,306,397		
August	139,969			1,446,366		
September	142,737			1,589,103		
October	162,325			1,751,428		
November	165,844			1,917,272		
December	193,767			2,111,039		
Nonfat dry milk, human						
January	174,953	138,296	-21.0	174,953	138,296	-21.0
February	182,528	147,365	-19.3	357,481	285,661	-20.1
March	199,448			556,929		
April	198,595			755,524		
May	208,766			964,290		
June	178,017			1,142,307		
July	135,135			1,277,442		
August	110,809			1,388,251		
September	100,666			1,488,917		
October	127,425			1,616,342		
November	115,702			1,732,044		
December	147,701			1,879,745		
Skim milk powder, total ³						
January	44,580	56,918	27.7	44,580	56,918	27.7
February	37,199	36,240	-2.6	81,779	93,158	13.9
March	35,252			117,031		
April	34,783			151,814		
May	34,678			186,492		
June	37,410			223,902		
July	60,669			284,571		
August	59,575			344,146		
September	55,650			399,796		
October	43,485			443,281		
November	56,871			500,152		
December	54,398			554,550		

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	66,824	72,131	7.9	143,537	149,855	4.4
March	77,542			221,079		
April	79,592			300,671		
May	81,777			382,448		
June	84,544			466,992		
July	87,861			554,853		
August	82,826			637,679		
September	76,792			714,471		
October	74,316			788,787		
November	67,356			856,143		
December	72,550			928,693		
Lactose, human and animal						
January	88,959	89,452	0.6	88,959	89,452	0.6
February	82,682	87,453	5.8	171,641	176,905	3.1
March	98,547			270,188		
April	91,420			361,608		
May	94,083			455,691		
June	97,381			553,072		
July	92,704			645,776		
August	92,311			738,087		
September	94,356			832,443		
October	90,060			922,503		
November	84,931			1,007,434		
December	91,971			1,099,405		
Whey protein concentrate, total						
January	41,517	42,695	2.8	41,517	42,695	2.8
February	37,173	38,742	4.2	78,690	81,437	3.5
March	42,501			121,191		
April	41,663			162,854		
May	43,829			206,683		
June	42,401			249,084		
July	42,053			291,137		
August	39,932			331,069		
September	39,688			370,757		
October	39,548			410,305		
November	40,443			450,748		
December	44,019			494,767		

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	28,894	32,818	13.6	28,894	32,818	13.6
February	29,357	32,417	10.4	58,251	65,235	12.0
March	33,090			91,341		
April	28,368			119,709		
May	33,021			152,730		
June	32,271			185,001		
July	32,233			217,234		
August	34,401			251,635		
September	32,330			283,965		
October	31,486			315,451		
November	31,288			346,739		
December	29,463			376,202		
Cottage cheese, lowfat						
January	26,110	29,535	13.1	26,110	29,535	13.1
February	24,320	28,155	15.8	50,430	57,690	14.4
March	25,899			76,329		
April	24,605			100,934		
May	28,066			129,000		
June	27,307			156,307		
July	29,280			185,587		
August	32,495			218,082		
September	31,564			249,646		
October	29,659			279,305		
November	25,996			305,301		
December	26,489			331,790		
Sour cream						
January	126,074	128,934	2.3	126,074	128,934	2.3
February	113,600	120,239	5.8	239,674	249,173	4.0
March	125,905			365,579		
April	117,517			483,096		
May	127,349			610,445		
June	127,333			737,778		
July	117,830			855,608		
August	123,536			979,144		
September	116,079			1,095,223		
October	139,526			1,234,749		
November	141,618			1,376,367		
December	131,736			1,508,103		

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	52,963	49,619	-6.3	52,963	49,619	-6.3
February	58,382	53,551	-8.3	111,345	103,170	-7.3
March	66,245			177,590		
April	61,008			238,598		
May	63,592			302,190		
June	67,211			369,401		
July	61,962			431,363		
August	66,453			497,816		
September	62,527			560,343		
October	57,432			617,775		
November	49,837			667,612		
December	47,304			714,916		
Ice cream, lowfat total						
January	29,018	26,593	-8.4	29,018	26,593	-8.4
February	31,897	30,071	-5.7	60,915	56,664	-7.0
March	39,634			100,549		
April	37,670			138,219		
May	40,755			178,974		
June	41,917			220,891		
July	42,214			263,105		
August	40,681			303,786		
September	33,374			337,160		
October	32,293			369,453		
November	26,969			396,422		
December	23,896			420,318		
Sherbet, hard						
January	1,971	1,609	-18.4	1,971	1,609	-18.4
February	2,308	1,553	-32.7	4,279	3,162	-26.1
March	1,969			6,248		
April	2,047			8,295		
May	2,007			10,302		
June	1,914			12,216		
July	1,639			13,855		
August	1,869			15,724		
September	1,637			17,361		
October	1,702			19,063		
November	1,454			20,517		
December	1,261			21,778		

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	391,637	397,623	1.5	391,637	397,623	1.5
February	400,599	399,084	-0.4	792,236	796,707	0.6
March	440,775			1,233,011		
April	382,713			1,615,724		
May	404,050			2,019,774		
June	401,095			2,420,869		
July	400,464			2,821,333		
August	409,566			3,230,899		
September	417,544			3,648,443		
October	390,148			4,038,591		
November	352,983			4,391,574		
December	357,336			4,748,910		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	3,467	3,277	-5.5	3,467	3,277	-5.5
February	4,340	4,132	-4.8	7,807	7,409	-5.1
March	3,296			11,103		
April	3,496			14,599		
May	4,374			18,973		
June	4,577			23,550		
July	4,903			28,453		
August	4,217			32,670		
September	2,962			35,632		
October	3,782			39,414		
November	2,596			42,010		
December	3,604			45,614		

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:
February 2023 and 2024**

State and region	February 2023	January 2024	February 2024	Change from	
				February 2023	January 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	201,881	209,487	200,929	-0.5	-4.1
Idaho	72,363	86,702	76,564	5.8	-11.7
Illinois	4,865	4,846	5,402	11.0	11.5
Iowa	31,219	33,782	31,002	-0.7	-8.2
Minnesota	65,560	71,550	65,514	-0.1	-8.4
New Jersey	4,390	5,966	5,322	21.2	-10.8
New Mexico	74,094	81,958	75,722	2.2	-7.6
New York	66,098	78,381	73,910	11.8	-5.7
Ohio	19,828	22,432	19,471	-1.8	-13.2
Pennsylvania	38,358	37,816	35,852	-6.5	-5.2
South Dakota	42,132	44,127	44,239	5.0	0.3
Vermont	10,819	13,069	12,513	15.7	-4.3
Wisconsin	272,374	303,064	283,293	4.0	-6.5
Other States ¹	196,281	207,737	203,451	3.7	-2.1
United States	1,100,262	1,200,917	1,133,184	3.0	-5.6
Atlantic	130,582	145,526	137,201	5.1	-5.7
Central	537,411	581,819	551,909	2.7	-5.1
West	432,269	473,572	444,074	2.7	-6.2

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: February 2023 and 2024

State and region	February 2023	January 2024	February 2024	Change from	
				February 2023	January 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	43,898	47,935	43,248	-1.5	-9.8
Iowa	17,321	17,899	17,019	-1.7	-4.9
Minnesota	54,647	60,063	55,050	0.7	-8.3
New York	10,965	13,145	12,055	9.9	-8.3
Wisconsin	85,714	96,043	83,900	-2.1	-12.6
Other States ¹	230,634	237,996	226,389	-1.8	-4.9
United States	443,179	473,081	437,661	-1.2	-7.5
Atlantic	25,718	30,625	28,729	11.7	-6.2
Central	244,473	257,785	239,569	-2.0	-7.1
West	172,988	184,671	169,363	-2.1	-8.3

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: February 2023 and 2024

State and region	February 2023	January 2024	February 2024	Change from	
				February 2023	January 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	22,413	23,838	19,374	-13.6	-18.7
Vermont	7,592	9,245	8,659	14.1	-6.3
Wisconsin	57,455	65,407	54,000	-6.0	-17.4
Other States ¹	229,599	232,084	222,827	-2.9	-4.0
United States	317,059	330,574	304,860	-3.8	-7.8
Atlantic	24,294	28,651	27,485	13.1	-4.1
Central	173,476	178,879	167,798	-3.3	-6.2
West	119,289	123,044	109,577	-8.1	-10.9

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: February 2023 and 2024

State and region	February 2023	January 2024	February 2024	Change from	
				February 2023	January 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	134,858	139,667	139,086	3.1	-0.4
Minnesota	10,718	11,292	10,310	-3.8	-8.7
New Jersey	2,079	3,249	2,501	20.3	-23.0
New York	25,729	32,179	28,798	11.9	-10.5
Pennsylvania	22,045	23,805	20,731	-6.0	-12.9
Wisconsin	127,229	146,038	136,009	6.9	-6.9
Other States ¹	136,209	154,318	141,543	3.9	-8.3
United States	458,867	510,548	478,978	4.4	-6.2
Atlantic	53,800	61,223	53,638	-0.3	-12.4
Central	192,176	210,633	197,842	2.9	-6.1
West	212,891	238,692	227,498	6.9	-4.7

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: February 2023 and 2024

State and region	February 2023	January 2024	February 2024	Change from	
				February 2023	January 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	123,254	126,061	125,416	1.8	-0.5
New Jersey	1,040	1,459	1,255	20.7	-14.0
New York	11,543	16,370	12,608	9.2	-23.0
Pennsylvania	17,886	19,868	16,631	-7.0	-16.3
Wisconsin	83,115	93,074	86,800	4.4	-6.7
Other States ¹	124,693	141,587	130,494	4.7	-7.8
United States	361,531	398,419	373,204	3.2	-6.3
Atlantic	33,139	38,775	31,358	-5.4	-19.1
Central	128,170	136,084	129,366	0.9	-4.9
West	200,222	223,560	212,480	6.1	-5.0

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

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

State and region	February 2023	January 2024	February 2024	Change from	
				February 2023	January 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	58,111	65,004	60,500	4.1	-6.9
Pennsylvania	7,500	8,979	7,825	4.3	-12.9
Other States ¹	121,589	143,264	129,294	6.3	-9.8
United States	187,200	217,247	197,619	5.6	-9.0
Atlantic	18,049	19,974	17,634	-2.3	-11.7
Central	73,073	87,207	78,632	7.6	-9.8
West	96,078	110,066	101,353	5.5	-7.9

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: February 2023 and 2024

State and region	February 2023	January 2024	February 2024	Change from	
				February 2023	January 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	79,007	63,034	73,249	-7.3	16.2
Pennsylvania	15,181	10,922	10,658	-29.8	-2.4
Other States ¹	88,340	64,340	63,458	-28.2	-1.4
United States	182,528	138,296	147,365	-19.3	6.6
Atlantic	28,339	22,515	22,374	-21.0	-0.6
Central	35,701	28,467	27,282	-23.6	-4.2
West	118,488	87,314	97,709	-17.5	11.9

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: February 2023 and 2024

State and region	February 2023	January 2024	February 2024	Change from	
				February 2023	January 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	8,661	11,853	11,138	28.6	-6.0
Wisconsin	18,395	24,020	21,150	15.0	-11.9
Other States ¹	35,161	37,583	33,948	-3.4	-9.7
United States	62,217	73,456	66,236	6.5	-9.8
Atlantic	17,786	21,890	17,917	0.7	-18.1
Central	28,638	33,679	35,383	23.6	5.1
West	15,793	17,887	12,936	-18.1	-27.7

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: February 2023 and 2024

State and region	February 2023	January 2024	February 2024	Change from	
				February 2023	January 2024
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	6,257	6,058	5,592	-10.6	-7.7
Connecticut	1,274	918	930	-27.0	1.3
New York	2,007	1,967	2,050	2.1	4.2
Ohio	1,904	2,148	2,106	10.6	-2.0
Oregon	961	979	1,025	6.7	4.7
Pennsylvania	1,792	2,771	2,171	21.1	-21.7
Tennessee	1,657	1,487	1,754	5.9	18.0
Utah	1,383	1,372	1,696	22.6	23.6
Wisconsin	731	787	818	11.9	3.9
Other States ¹	40,416	31,132	35,409	-12.4	13.7
United States	58,382	49,619	53,551	-8.3	7.9
Atlantic	11,150	10,757	9,966	-10.6	-7.4
Central	36,887	28,338	32,928	-10.7	16.2
West	10,345	10,524	10,657	3.0	1.3

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

Dairy Products Regions



West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming.

Central: Alabama, Arkansas, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Tennessee, Texas, Wisconsin.

Atlantic: Connecticut, Delaware, Florida, Georgia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, North Carolina, Rhode Island, South Carolina, Vermont, Virginia, West Virginia.

Statistical Methodology

Data Collection Period: Dairy products estimates are based upon survey data collected after the close of each month. Production data are provided by the firms producing dairy products.

Sampling frames and sample size: In 2022, there were 1,201 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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Sherry Bertramsen – Livestock Slaughter	(202) 690-8632
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Kim DaPra – Milk Production and Milk Cows	(512) 501-3266
Donnie Fike – Dairy Products	(202) 690-3347
Anthony Fischer – Hogs and Pigs.....	(202) 720-3106
Suzanne Richards – Sheep and Goats	(202) 720-4448

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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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2024 USDA Spring Data Users' Meeting

April 16, 2024

**Register at: nass.usda.gov/go/data_users
Free and open to the public**

USDA Spring Data Users' Meeting Join Us Online or in Chicago April 16, 2024

University of Chicago – Gleacher Center
450 North Cityfront Plaza Drive
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USDA's National Agricultural Statistics Service (NASS) will hold an open forum for users of U.S. domestic and international agriculture data. NASS is organizing the 2024 Spring Data Users' Meeting in cooperation with five other USDA agencies – Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Agency representatives will provide updates on recent and pending changes in statistical and information programs important to agriculture, answer questions, and welcome comments and input from data users.

For registration details or additional information about the Data Users' Meeting, see the meeting page on the NASS website (https://www.nass.usda.gov/go/data_users).