



Dairy Products

ISSN: 1949-0399

Released April 3, 2023, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

February 2023 Highlights

Total cheese output (excluding cottage cheese) was 1.11 billion pounds, 0.4 percent above February 2022 but 7.9 percent below January 2023.

Italian type cheese production totaled 460 million pounds, 1.4 percent below February 2022 and 8.0 percent below January 2023.

American type cheese production totaled 453 million pounds, 2.4 percent above February 2022 but 9.1 percent below January 2023.

Butter production was 186 million pounds, 1.6 percent above February 2022 but 7.4 percent below January 2023.

Dry milk products (comparisons in percentage with February 2022)

Nonfat dry milk, human - 178 million pounds, up 4.5 percent.

Skim milk powder - 38.2 million pounds, up 28.9 percent.

Whey products (comparisons in percentage with February 2022)

Dry whey, total - 66.5 million pounds, down 5.3 percent.

Lactose, human and animal - 83.1 million pounds, down 10.4 percent.

Whey protein concentrate, total - 36.7 million pounds, down 9.8 percent.

Frozen products (comparisons in percentage with February 2022)

Ice cream, regular (hard) - 59.1 million gallons, up 7.7 percent.

Ice cream, lowfat (total) - 32.3 million gallons, up 4.5 percent.

Sherbet (hard) - 2.31 million gallons, down 8.3 percent.

Frozen yogurt (total) - 4.29 million gallons, up 0.5 percent.

Contents

Dairy Products Production by Product – United States: February 2022 and 2023	3
Whey and Modified Whey Products Production, Stocks, and Prices – United States: February 2022 and 2023	4
Condensed and Dry Milk Products Production, Stocks, and Shipments – United States: February 2022 and 2023	5
Dairy Products Production by Product and Month – United States: 2022 and 2023	6
Total Cheese Production Excluding Cottage Cheese – States, United States, and Regions: February 2022 and 2023	13
American Cheese Production – States, United States, and Regions: February 2022 and 2023	14
Cheddar Cheese Production – States, United States, and Regions: February 2022 and 2023	14
Total Italian Cheese Production – States, United States, and Regions: February 2022 and 2023	15
Mozzarella Cheese Production – States, United States, and Regions: February 2022 and 2023	15
Butter Production – States, United States, and Regions: February 2022 and 2023	16
Nonfat Dry Milk (Human) Production – States, United States, and Regions: February 2022 and 2023	16
Dry Whey (Human) Production – States, United States, and Regions: February 2022 and 2023	17
Ice Cream, Regular (Hard) Production – States, United States, and Regions: February 2022 and 2023	17
Dairy Products Regions	18
Statistical Methodology	19
Information Contacts	20

Dairy Products Production by Product – United States: February 2022 and 2023

Product	February 2022	January 2023	February 2023	Change from	
				February 2022	January 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	183,462	201,347	186,391	1.6	-7.4
Cheese					
American types ¹	442,683	498,646	453,116	2.4	-9.1
Cheddar	308,061	353,921	325,397	5.6	-8.1
Other American types	134,622	144,725	127,719	-5.1	-11.8
Blue and Gorgonzola	8,170	6,363	6,872	-15.9	8.0
Brick and Muenster	15,009	17,186	13,854	-7.7	-19.4
Cream and Neufchatel	85,210	95,203	93,368	9.6	-1.9
Feta	11,942	10,057	10,017	-16.1	-0.4
Gouda	5,340	4,747	5,297	-0.8	11.6
Hispanic	28,836	30,707	30,107	4.4	-2.0
Italian types	466,287	499,904	459,979	-1.4	-8.0
Mozzarella	359,283	393,111	365,015	1.6	-7.1
Parmesan	45,376	43,308	38,993	-14.1	-10.0
Provolone	28,997	28,794	26,675	-8.0	-7.4
Ricotta	18,741	23,697	19,361	3.3	-18.3
Romano	6,586	3,839	3,503	-46.8	-8.8
Other Italian types	7,304	7,155	6,432	-11.9	-10.1
Swiss	28,209	30,061	24,771	-12.2	-17.6
All other types	13,652	12,463	12,139	-11.1	-2.6
Total cheese ²	1,105,338	1,205,337	1,109,520	0.4	-7.9
Cottage cheese, curd ³	29,912	31,115	29,310	-2.0	-5.8
Cottage cheese, cream ⁴	28,452	28,894	27,562	-3.1	-4.6
Cottage cheese, lowfat ⁵	24,832	26,110	23,914	-3.7	-8.4
Sour cream	117,010	126,074	113,457	-3.0	-10.0
Yogurt, plain and flavored	373,445	391,637	401,250	7.4	2.5
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	54,872	52,963	59,119	7.7	11.6
Ice cream, lowfat, hard	16,649	15,586	17,148	3.0	10.0
Ice cream, lowfat, soft	14,242	13,432	15,125	6.2	12.6
Ice cream, lowfat, total ⁶	30,891	29,018	32,273	4.5	11.2
Ice cream, nonfat, hard	509	512	554	8.8	8.2
Sherbet, hard	2,519	1,971	2,309	-8.3	17.1
Frozen yogurt, total	4,272	3,467	4,293	0.5	23.8
Regular and lowfat, hard	1,130	831	1,045	-7.5	25.8
Nonfat, hard	285	119	391	37.2	228.6
Other frozen dairy products	814	464	721	-11.4	55.4
Water and juice ices	4,979	3,573	4,918	-1.2	37.6
Mix for frozen products					
Ice cream, regular, mix	34,584	32,883	34,138	-1.3	3.8
Ice cream, lowfat, mix ⁷	17,291	16,246	18,082	4.6	11.3
Ice cream, nonfat, mix	426	386	398	-6.6	3.1
Sherbet mix	1,858	1,347	1,649	-11.2	22.4
Yogurt mix	1,383	1,546	2,076	50.1	34.3

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 2022 and 2023**

Product	February 2022	January 2023	February 2023	Change from	
				February 2022	January 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	8,060	8,396	8,325	3.3	-0.8
Dry whey products					
Dry whey, human	68,993	71,659	61,926	-10.2	-13.6
Dry whey, animal	1,295	5,054	4,622	256.9	-8.5
Dry whey, total	70,288	76,713	66,548	-5.3	-13.3
Reduced lactose and minerals					
Human	3,365	913	849	-74.8	-7.0
Animal	4,312	2,869	2,820	-34.6	-1.7
Whey protein concentrate					
Human ²	39,380	41,030	35,730	-9.3	-12.9
Animal ²	1,338	487	992	-25.9	103.7
Total ²	40,718	41,517	36,722	-9.8	-11.5
25.0-49.9 percent ³	14,121	15,382	12,116	-14.2	-21.2
50.0-89.9 percent ³	26,597	26,135	24,606	-7.5	-5.9
Whey protein isolates ⁴	10,553	8,841	8,492	-19.5	-3.9
Lactose, human and animal	92,778	88,959	83,133	-10.4	-6.5
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	61,829	65,111	65,906	6.6	1.2
Dry whey, animal	1,171	3,330	3,490	198.0	4.8
Dry whey, total	63,000	68,441	69,396	10.2	1.4
Reduced Lactose and minerals					
Human and animal ⁶	6,933	12,447	10,723	54.7	-13.9
Whey protein concentrate					
Human ²	65,758	84,981	84,861	29.1	-0.1
Animal ²	1,718	748	976	-43.2	30.5
Total ²	67,476	85,729	85,837	27.2	0.1
25.0-49.9 percent ³	23,518	31,700	31,936	35.8	0.7
50.0-89.9 percent ³	43,958	54,029	53,901	22.6	-0.2
Whey protein isolates ⁴	13,654	23,010	24,026	76.0	4.4
Lactose, human and animal	168,869	166,001	165,632	-1.9	-0.2
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	44.1	32.0	23.8	-20.3	-8.2

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 2022 and 2023**

Product	February 2022	January 2023	February 2023	Change from	
				February 2022	January 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	93,420	120,181	110,399	18.2	-8.1
Dry milk products					
Dry buttermilk, total	12,865	14,468	13,113	1.9	-9.4
Dry skim milk, animal	658	1,246	678	3.0	-45.6
Dry whole milk	10,103	9,349	8,441	-16.5	-9.7
Milk protein concentrate, total ¹	19,436	20,201	19,967	2.7	-1.2
Nonfat dry milk, human	170,815	174,953	178,491	4.5	2.0
Skim milk powder, total ²	29,612	44,580	38,166	28.9	-14.4
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	22,911	39,834	39,308	71.6	-1.3
Dry skim milk, animal	6,994	7,109	10,049	43.7	41.4
Dry whole milk	24,704	16,137	16,832	-31.9	4.3
Nonfat dry milk, human	288,405	270,533	310,004	7.5	14.6
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	137,251	153,508	146,957	7.1	-4.3

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: 2022 and 2023

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,172,006	1,205,337	2.8	1,172,006	1,205,337	2.8
February	1,105,338	1,109,520	0.4	2,277,344	2,314,857	1.6
March	1,210,085			3,487,429		
April	1,158,689			4,646,118		
May	1,184,113			5,830,231		
June	1,152,476			6,982,707		
July	1,151,219			8,133,926		
August	1,150,434			9,284,360		
September	1,140,031			10,424,391		
October	1,171,040			11,595,431		
November	1,153,661			12,749,092		
December	1,194,571			13,943,663		
Total American cheese types ²						
January	471,650	498,646	5.7	471,650	498,646	5.7
February	442,683	453,116	2.4	914,333	951,762	4.1
March	473,724			1,388,057		
April	467,510			1,855,567		
May	481,173			2,336,740		
June	461,140			2,797,880		
July	466,434			3,264,314		
August	453,081			3,717,395		
September	441,832			4,159,227		
October	469,466			4,628,693		
November	462,954			5,091,647		
December	482,701			5,574,348		
Cheddar cheese						
January	332,479	353,921	6.4	332,479	353,921	6.4
February	308,061	325,397	5.6	640,540	679,318	6.1
March	327,246			967,786		
April	319,950			1,287,736		
May	334,615			1,622,351		
June	336,594			1,958,945		
July	331,613			2,290,558		
August	314,380			2,604,938		
September	301,273			2,906,211		
October	336,106			3,242,317		
November	320,259			3,562,576		
December	340,005			3,902,581		

See footnote(s) at end of table.

--continued

Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	503,643	499,904	-0.7	503,643	499,904	-0.7
February	466,287	459,979	-1.4	969,930	959,883	-1.0
March	517,561			1,487,491		
April	489,492			1,976,983		
May	486,776			2,463,759		
June	482,456			2,946,215		
July	486,412			3,432,627		
August	488,719			3,921,346		
September	494,141			4,415,487		
October	496,883			4,912,370		
November	488,712			5,401,082		
December	508,181			5,909,263		
Mozzarella						
January	394,810	393,111	-0.4	394,810	393,111	-0.4
February	359,283	365,015	1.6	754,093	758,126	0.5
March	407,492			1,161,585		
April	386,815			1,548,400		
May	388,217			1,936,617		
June	382,890			2,319,507		
July	390,204			2,709,711		
August	385,347			3,095,058		
September	384,752			3,479,810		
October	388,666			3,868,476		
November	384,929			4,253,405		
December	399,992			4,653,397		
Other Italian cheese types						
January	7,952	7,155	-10.0	7,952	7,155	-10.0
February	7,304	6,432	-11.9	15,256	13,587	-10.9
March	8,451			23,707		
April	7,910			31,617		
May	7,930			39,547		
June	8,103			47,650		
July	7,419			55,069		
August	7,270			62,339		
September	8,305			70,644		
October	7,944			78,588		
November	7,903			86,491		
December	8,705			95,196		

See footnote(s) at end of table.

--continued

Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	194,034	201,347	3.8	194,034	201,347	3.8
February	183,462	186,391	1.6	377,496	387,738	2.7
March	201,940			579,436		
April	181,179			760,615		
May	180,139			940,754		
June	160,162			1,100,916		
July	151,731			1,252,647		
August	143,438			1,396,085		
September	140,789			1,536,874		
October	161,803			1,698,677		
November	170,955			1,869,632		
December	187,799			2,057,431		
Nonfat dry milk, human						
January	170,306	174,953	2.7	170,306	174,953	2.7
February	170,815	178,491	4.5	341,121	353,444	3.6
March	191,349			532,470		
April	195,709			728,179		
May	192,965			921,144		
June	169,272			1,090,416		
July	165,624			1,256,040		
August	134,138			1,390,178		
September	123,476			1,513,654		
October	123,977			1,637,631		
November	159,659			1,797,290		
December	167,586			1,964,876		
Skim milk powder, total ³						
January	43,415	44,580	2.7	43,415	44,580	2.7
February	29,612	38,166	28.9	73,027	82,746	13.3
March	33,146			106,173		
April	35,391			141,564		
May	38,670			180,234		
June	45,165			225,399		
July	50,836			276,235		
August	56,030			332,265		
September	58,474			390,739		
October	56,180			446,919		
November	40,362			487,281		
December	54,995			542,276		

See footnote(s) at end of table.

--continued

Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	80,406	76,713	-4.6	80,406	76,713	-4.6
February	70,288	66,548	-5.3	150,694	143,261	-4.9
March	83,060			233,754		
April	82,819			316,573		
May	84,244			400,817		
June	80,229			481,046		
July	85,745			566,791		
August	78,268			645,059		
September	78,075			723,134		
October	77,347			800,481		
November	71,902			872,383		
December	74,815			947,198		
Lactose, human and animal						
January	101,448	88,959	-12.3	101,448	88,959	-12.3
February	92,778	83,133	-10.4	194,226	172,092	-11.4
March	96,701			290,927		
April	100,889			391,816		
May	100,816			492,632		
June	101,972			594,604		
July	99,532			694,136		
August	100,072			794,208		
September	95,309			889,517		
October	96,665			986,182		
November	88,652			1,074,834		
December	95,533			1,170,367		
Whey protein concentrate, total						
January	47,226	41,517	-12.1	47,226	41,517	-12.1
February	40,718	36,722	-9.8	87,944	78,239	-11.0
March	40,768			128,712		
April	45,511			174,223		
May	42,988			217,211		
June	42,650			259,861		
July	44,588			304,449		
August	42,938			347,387		
September	45,985			393,372		
October	46,411			439,783		
November	40,072			479,855		
December	42,625			522,480		

See footnote(s) at end of table.

--continued

Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	27,422	28,894	5.4	27,422	28,894	5.4
February	28,452	27,562	-3.1	55,874	56,456	1.0
March	29,744			85,618		
April	26,671			112,289		
May	27,576			139,865		
June	29,313			169,178		
July	28,808			197,986		
August	31,541			229,527		
September	29,587			259,114		
October	27,357			286,471		
November	28,426			314,897		
December	29,175			344,072		
Cottage cheese, lowfat						
January	24,313	26,110	7.4	24,313	26,110	7.4
February	24,832	23,914	-3.7	49,145	50,024	1.8
March	26,934			76,079		
April	25,403			101,482		
May	24,355			125,837		
June	24,490			150,327		
July	25,305			175,632		
August	27,516			203,148		
September	25,933			229,081		
October	23,982			253,063		
November	22,066			275,129		
December	21,937			297,066		
Sour cream						
January	121,358	126,074	3.9	121,358	126,074	3.9
February	117,010	113,457	-3.0	238,368	239,531	0.5
March	129,936			368,304		
April	117,676			485,980		
May	125,224			611,204		
June	123,948			735,152		
July	115,682			850,834		
August	127,408			978,242		
September	121,755			1,099,997		
October	130,720			1,230,717		
November	135,801			1,366,518		
December	133,664			1,500,182		

See footnote(s) at end of table.

--continued

Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	51,240	52,963	3.4	51,240	52,963	3.4
February	54,872	59,119	7.7	106,112	112,082	5.6
March	65,973			172,085		
April	64,748			236,833		
May	61,516			298,349		
June	66,887			365,236		
July	59,078			424,314		
August	66,434			490,748		
September	60,890			551,638		
October	57,121			608,759		
November	54,080			662,839		
December	52,400			715,239		
Ice cream, lowfat total						
January	27,545	29,018	5.3	27,545	29,018	5.3
February	30,891	32,273	4.5	58,436	61,291	4.9
March	40,461			98,897		
April	38,157			137,054		
May	40,244			177,298		
June	42,926			220,224		
July	40,321			260,545		
August	41,624			302,169		
September	35,080			337,249		
October	31,129			368,378		
November	28,295			396,673		
December	25,264			421,937		
Sherbet, hard						
January	2,303	1,971	-14.4	2,303	1,971	-14.4
February	2,519	2,309	-8.3	4,822	4,280	-11.2
March	2,826			7,648		
April	2,208			9,856		
May	2,228			12,084		
June	2,186			14,270		
July	2,431			16,701		
August	2,192			18,893		
September	2,155			21,048		
October	2,356			23,404		
November	1,805			25,209		
December	1,864			27,073		

See footnote(s) at end of table.

--continued

Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	372,943	391,637	5.0	372,943	391,637	5.0
February	373,445	401,250	7.4	746,388	792,887	6.2
March	431,500			1,177,888		
April	378,182			1,556,070		
May	399,052			1,955,122		
June	389,218			2,344,340		
July	377,622			2,721,962		
August	401,770			3,123,732		
September	391,913			3,515,645		
October	390,982			3,906,627		
November	346,852			4,253,479		
December	371,853			4,625,332		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	3,371	3,467	2.8	3,371	3,467	2.8
February	4,272	4,293	0.5	7,643	7,760	1.5
March	4,274			11,917		
April	4,827			16,744		
May	4,306			21,050		
June	4,035			25,085		
July	4,177			29,262		
August	4,193			33,455		
September	3,764			37,219		
October	3,475			40,694		
November	2,768			43,462		
December	2,965			46,427		

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 2022 and 2023**

State and region	February 2022	January 2023	February 2023	Change from	
				February 2022	January 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	202,820	203,976	200,126	-1.3	-1.9
Idaho	73,050	89,502	72,363	-0.9	-19.1
Illinois	5,856	5,505	4,865	-16.9	-11.6
Iowa	31,364	32,903	29,649	-5.5	-9.9
Minnesota	64,927	70,870	65,153	0.3	-8.1
New Jersey	4,598	5,717	4,390	-4.5	-23.2
New Mexico	75,898	95,543	74,094	-2.4	-22.4
New York	70,033	71,829	66,091	-5.6	-8.0
Ohio	20,326	22,913	19,827	-2.5	-13.5
Pennsylvania	36,973	38,038	39,060	5.6	2.7
Vermont	11,420	12,741	10,819	-5.3	-15.1
Wisconsin	270,685	296,382	273,580	1.1	-7.7
Other States ¹	237,388	259,418	249,503	5.1	-3.8
United States	1,105,338	1,205,337	1,109,520	0.4	-7.9
Atlantic	134,187	138,173	131,247	-2.2	-5.0
Central	532,225	582,076	545,760	2.5	-6.2
West	438,926	485,088	432,513	-1.5	-10.8

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: February 2022 and 2023

State and region	February 2022	January 2023	February 2023	Change from	
				February 2022	January 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	42,820	43,896	43,850	2.4	-0.1
Iowa	16,373	18,068	16,596	1.4	-8.1
Minnesota	53,377	60,542	55,746	4.4	-7.9
New York	12,177	12,330	10,965	-10.0	-11.1
Wisconsin	85,195	94,365	86,800	1.9	-8.0
Other States ¹	232,741	269,445	239,159	2.8	-11.2
United States	442,683	498,646	453,116	2.4	-9.1
Atlantic	27,488	29,446	25,701	-6.5	-12.7
Central	239,591	266,947	254,446	6.2	-4.7
West	175,604	202,253	172,969	-1.5	-14.5

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 2022 and 2023

State and region	February 2022	January 2023	February 2023	Change from	
				February 2022	January 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	22,114	20,645	22,477	1.6	8.9
Vermont	8,012	8,767	7,592	-5.2	-13.4
Wisconsin	56,977	63,855	57,900	1.6	-9.3
Other States ¹	220,958	260,654	237,428	7.5	-8.9
United States	308,061	353,921	325,397	5.6	-8.1
Atlantic	25,592	27,562	24,286	-5.1	-11.9
Central	165,469	187,565	181,729	9.8	-3.1
West	117,000	138,794	119,382	2.0	-14.0

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 2022 and 2023

State and region	February 2022	January 2023	February 2023	Change from	
				February 2022	January 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	137,037	135,476	133,663	-2.5	-1.3
Minnesota	11,243	10,135	9,212	-18.1	-9.1
New Jersey	2,294	3,147	2,079	-9.4	-33.9
New York	28,873	29,536	25,729	-10.9	-12.9
Pennsylvania	22,016	24,808	22,747	3.3	-8.3
Wisconsin	130,786	141,134	127,248	-2.7	-9.8
Other States ¹	134,038	155,668	139,301	3.9	-10.5
United States	466,287	499,904	459,979	-1.4	-8.0
Atlantic	57,226	59,475	54,502	-4.8	-8.4
Central	193,293	208,771	191,811	-0.8	-8.1
West	215,768	231,658	213,666	-1.0	-7.8

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 2022 and 2023

State and region	February 2022	January 2023	February 2023	Change from	
				February 2022	January 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	123,511	122,974	123,240	-0.2	0.2
New Jersey	1,062	1,328	1,040	-2.1	-21.7
New York	15,396	13,040	11,543	-25.0	-11.5
Pennsylvania	17,877	20,679	18,386	2.8	-11.1
Wisconsin	81,195	92,125	83,300	2.6	-9.6
Other States ¹	120,242	142,965	127,506	6.0	-10.8
United States	359,283	393,111	365,015	1.6	-7.1
Atlantic	37,122	36,125	33,639	-9.4	-6.9
Central	121,224	139,417	129,198	6.6	-7.3
West	200,937	217,569	202,178	0.6	-7.1

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 2022 and 2023

State and region	February 2022	January 2023	February 2023	Change from	
				February 2022	January 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	59,212	64,779	57,983	-2.1	-10.5
Pennsylvania	7,811	7,950	7,546	-3.4	-5.1
Other States ¹	116,439	128,618	120,862	3.8	-6.0
United States	183,462	201,347	186,391	1.6	-7.4
Atlantic	17,110	17,223	18,095	5.8	5.1
Central	71,018	80,790	72,346	1.9	-10.5
West	95,334	103,334	95,950	0.6	-7.1

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 2022 and 2023

State and region	February 2022	January 2023	February 2023	Change from	
				February 2022	January 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	82,107	79,250	75,007	-8.6	-5.4
Pennsylvania	14,011	14,760	15,181	8.4	2.9
Other States ¹	74,697	80,943	88,303	18.2	9.1
United States	170,815	174,953	178,491	4.5	2.0
Atlantic	27,714	25,855	27,885	0.6	7.9
Central	32,612	39,791	36,118	10.8	-9.2
West	110,489	109,307	114,488	3.6	4.7

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: February 2022 and 2023

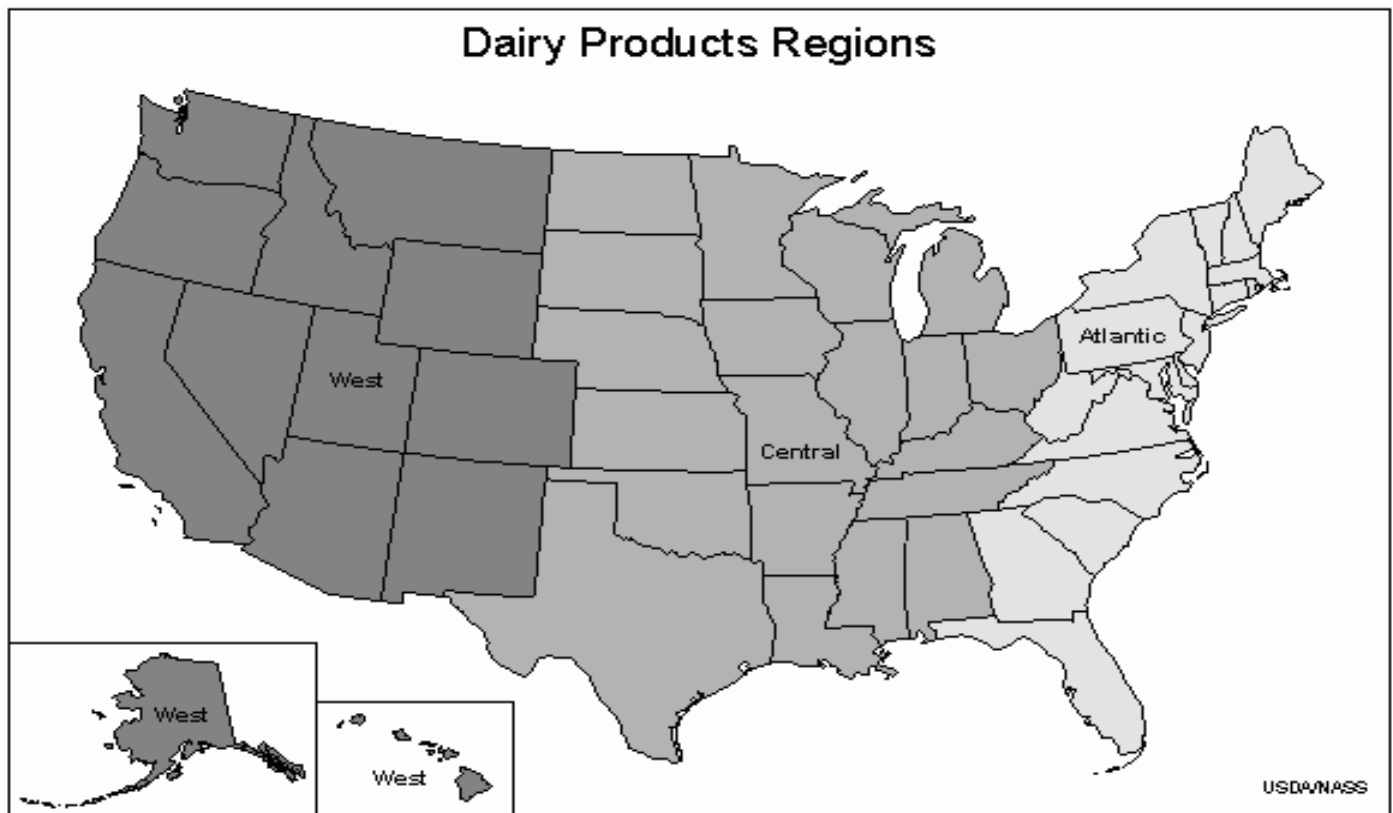
State and region	February 2022	January 2023	February 2023	Change from	
				February 2022	January 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	10,228	11,277	8,661	-15.3	-23.2
Wisconsin	21,495	20,872	18,395	-14.4	-11.9
Other States ¹	37,270	39,510	34,870	-6.4	-11.7
United States	68,993	71,659	61,926	-10.2	-13.6
Atlantic	20,020	21,808	18,087	-9.7	-17.1
Central	32,506	31,013	28,046	-13.7	-9.6
West	16,467	18,838	15,793	-4.1	-16.2

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 2022 and 2023

State and region	February 2022	January 2023	February 2023	Change from	
				February 2022	January 2023
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	5,364	5,498	6,044	12.7	9.9
Connecticut	1,103	1,337	1,118	1.4	-16.4
New York	1,974	1,707	2,007	1.7	17.6
Ohio	1,849	2,018	1,904	3.0	-5.6
Oregon	1,029	968	961	-6.6	-0.7
Pennsylvania	2,190	2,382	1,782	-18.6	-25.2
Tennessee	1,790	1,970	1,657	-7.4	-15.9
Utah	1,632	870	1,700	4.2	95.4
Wisconsin	586	696	668	14.0	-4.0
Other States ¹	37,355	35,517	41,278	10.5	16.2
United States	54,872	52,963	59,119	7.7	11.6
Atlantic	11,316	10,653	11,626	2.7	9.1
Central	33,789	33,346	37,058	9.7	11.1
West	9,767	8,964	10,435	6.8	16.4

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 2021, there were 1,196 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
Donnie Fike – Dairy Products	(202) 690-3347
Anthony Fischer – Hogs and Pigs.....	(202) 720-3106
Mike Miller – Milk Production and Milk Cows	(202) 720-3278
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.



2022 CENSUS OF AGRICULTURE

RESPOND TODAY

YOUR VOICE. YOUR FUTURE. YOUR OPPORTUNITY.

USDA United States Department of Agriculture National Agricultural Statistics Service

#AgCensus

THERE'S STILL TIME TO RESPOND
TO THE 2022 CENSUS OF AGRICULTURE
nass.usda.gov/AgCensus

2023 USDA Spring Data Users' Meeting

April 18, 2023

FREE AND OPEN TO THE PUBLIC

Learn more and register at
nass.usda.gov/go/Data_Users

