



Dairy Products

ISSN: 1949-0399

Released May 4, 2022, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

March 2022 Highlights

Total cheese output (excluding cottage cheese) was 1.20 billion pounds, 1.1 percent above March 2021 and 8.3 percent above February 2022.

Italian type cheese production totaled 513 million pounds, 2.1 percent above March 2021 and 10.0 percent above February 2022.

American type cheese production totaled 474 million pounds, 1.4 percent below March 2021 but 7.0 percent above February 2022.

Butter production was 203 million pounds, 1.5 percent above March 2021 and 10.4 percent above February 2022.

Dry milk products (comparisons in percentage with March 2021)

Nonfat dry milk, human - 190 million pounds, down 3.9 percent.

Skim milk powder - 33.0 million pounds, down 37.2 percent.

Whey products (comparisons in percentage with March 2021)

Dry whey, total - 82.0 million pounds, up 6.6 percent.

Lactose, human and animal - 95.3 million pounds, down 2.6 percent.

Whey protein concentrate, total - 41.4 million pounds, up 1.3 percent.

Frozen products (comparisons in percentage with March 2021)

Ice cream, regular (hard) - 67.1 million gallons, down 2.8 percent.

Ice cream, lowfat (total) - 41.8 million gallons, down 11.5 percent.

Sherbet (hard) - 2.90 million gallons, up 16.3 percent.

Frozen yogurt (total) - 4.28 million gallons, up 12.7 percent.

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Dairy Products Production by Product – United States: March 2021 and 2022

Product	March 2021	February 2022	March 2022	Change from	
				March 2021	February 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	199,574	183,462	202,584	1.5	10.4
Cheese					
American types ¹	480,500	442,683	473,583	-1.4	7.0
Cheddar	336,776	308,061	327,149	-2.9	6.2
Other American types	143,724	134,622	146,434	1.9	8.8
Blue and Gorgonzola	7,782	8,170	7,080	-9.0	-13.3
Brick and Muenster	17,557	15,009	16,820	-4.2	12.1
Cream and Neufchatel	82,298	85,210	89,019	8.2	4.5
Feta	15,470	11,942	14,619	-5.5	22.4
Gouda	5,374	5,340	6,859	27.6	28.4
Hispanic	32,336	28,836	30,939	-4.3	7.3
Italian types	502,101	466,287	512,800	2.1	10.0
Mozzarella	392,656	359,283	406,423	3.5	13.1
Parmesan	41,629	45,376	42,495	2.1	-6.3
Provolone	30,776	28,997	29,827	-3.1	2.9
Ricotta	24,556	18,741	21,054	-14.3	12.3
Romano	5,352	6,586	4,669	-12.8	-29.1
Other Italian types	7,132	7,304	8,332	16.8	14.1
Swiss	26,004	28,209	31,082	19.5	10.2
All other types	13,960	13,652	13,810	-1.1	1.2
Total cheese ²	1,183,382	1,105,338	1,196,611	1.1	8.3
Cottage cheese, curd ³	34,363	29,912	32,791	-4.6	9.6
Cottage cheese, cream ⁴	31,597	28,452	30,053	-4.9	5.6
Cottage cheese, lowfat ⁵	29,719	24,832	28,549	-3.9	15.0
Sour cream	133,781	117,010	129,720	-3.0	10.9
Yogurt, plain and flavored	443,374	373,445	434,714	-2.0	16.4
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	68,982	54,872	67,066	-2.8	22.2
Ice cream, lowfat, hard	24,598	16,649	21,700	-11.8	30.3
Ice cream, lowfat, soft	22,698	14,242	20,135	-11.3	41.4
Ice cream, lowfat, total ⁶	47,296	30,891	41,835	-11.5	35.4
Ice cream, nonfat, hard	617	509	662	7.3	30.1
Sherbet, hard	2,497	2,519	2,903	16.3	15.2
Frozen yogurt, total	3,795	4,272	4,278	12.7	0.1
Regular and lowfat, hard	1,018	1,130	1,515	48.8	34.1
Nonfat, hard	251	285	237	-5.6	-16.8
Other frozen dairy products	931	814	1,059	13.7	30.1
Water and juice ices	6,767	4,979	6,536	-3.4	31.3
Mix for frozen products					
Ice cream, regular, mix	44,579	34,584	41,970	-5.9	21.4
Ice cream, lowfat, mix ⁷	25,372	17,291	23,478	-7.5	35.8
Ice cream, nonfat, mix	439	426	563	28.2	32.2
Sherbet mix	1,965	1,858	2,157	9.8	16.1
Yogurt mix	1,514	1,383	1,682	11.1	21.6

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:
March 2021 and 2022**

Product	March 2021	February 2022	March 2022	Change from	
				March 2021	February 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	10,738	8,060	8,980	-16.4	11.4
Dry whey products					
Dry whey, human	75,745	68,993	80,226	5.9	16.3
Dry whey, animal	1,164	1,295	1,732	48.8	33.7
Dry whey, total	76,909	70,288	81,958	6.6	16.6
Reduced lactose and minerals					
Human	2,394	3,365	2,910	21.6	-13.5
Animal	3,133	4,312	3,630	15.9	-15.8
Whey protein concentrate					
Human ²	40,307	39,380	40,214	-0.2	2.1
Animal ²	525	1,338	1,137	116.6	-15.0
Total ²	40,832	40,718	41,351	1.3	1.6
25.0-49.9 percent ³	14,269	14,121	14,579	2.2	3.2
50.0-89.9 percent ³	26,563	26,597	26,772	0.8	0.7
Whey protein isolates ⁴	11,245	10,553	12,097	7.6	14.6
Lactose, human and animal	97,812	92,778	95,300	-2.6	2.7
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	62,611	61,829	67,276	7.5	8.8
Dry whey, animal	946	1,171	801	-15.3	-31.6
Dry whey, total	63,557	63,000	68,077	7.1	8.1
Reduced Lactose and minerals					
Human and animal ⁶	6,473	6,933	7,103	9.7	2.5
Whey protein concentrate					
Human ²	60,379	65,758	65,775	8.9	-
Animal ²	1,466	1,718	1,763	20.3	2.6
Total ²	61,845	67,476	67,538	9.2	0.1
25.0-49.9 percent ³	23,441	23,518	22,319	-4.8	-5.1
50.0-89.9 percent ³	38,404	43,958	45,219	17.7	2.9
Whey protein isolates ⁴	13,520	13,654	13,159	-2.7	-3.6
Lactose, human and animal	127,365	168,869	168,540	32.3	-0.2
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	34.8	44.1	42.1	7.3	-2.0

- Represents zero.

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:
March 2021 and 2022**

Product	March 2021	February 2022	March 2022	Change from	
				March 2021	February 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	125,391	93,420	115,823	-7.6	24.0
Dry milk products					
Dry buttermilk, total	12,417	12,865	11,355	-8.6	-11.7
Dry skim milk, animal	502	658	498	-0.8	-24.3
Dry whole milk	14,683	10,103	11,738	-20.1	16.2
Milk protein concentrate, total ¹	16,704	19,436	20,641	23.6	6.2
Nonfat dry milk, human	198,254	170,815	190,462	-3.9	11.5
Skim milk powder, total ²	52,575	29,612	32,994	-37.2	11.4
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	23,238	22,911	23,656	1.8	3.3
Dry skim milk, animal	10,257	6,994	7,640	-25.5	9.2
Dry whole milk	15,424	24,704	24,507	58.9	-0.8
Nonfat dry milk, human	313,028	288,405	287,956	-8.0	-0.2
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	218,596	137,251	185,830	-15.0	35.4

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: 2021 and 2022

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

Product and month	Monthly			Cumulative		
	2021	2022	Change from 2021	2021	2022	Change from 2021
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,143,106	1,172,006	2.5	1,143,106	1,172,006	2.5
February	1,047,673	1,105,338	5.5	2,190,779	2,277,344	4.0
March	1,183,382	1,196,611	1.1	3,374,161	3,473,955	3.0
April	1,154,601			4,528,762		
May	1,163,223			5,691,985		
June	1,126,772			6,818,757		
July	1,145,699			7,964,456		
August	1,148,755			9,113,211		
September	1,134,384			10,247,595		
October	1,172,302			11,419,897		
November	1,151,406			12,571,303		
December	1,201,463			13,772,766		
Total American cheese types ²						
January	478,328	471,650	-1.4	478,328	471,650	-1.4
February	427,090	442,683	3.7	905,418	914,333	1.0
March	480,500	473,583	-1.4	1,385,918	1,387,916	0.1
April	478,196			1,864,114		
May	481,545			2,345,659		
June	457,394			2,803,053		
July	467,274			3,270,327		
August	462,477			3,732,804		
September	454,668			4,187,472		
October	480,880			4,668,352		
November	462,639			5,130,991		
December	483,770			5,614,761		
Cheddar cheese						
January	352,093	332,479	-5.6	352,093	332,479	-5.6
February	301,126	308,061	2.3	653,219	640,540	-1.9
March	336,776	327,149	-2.9	989,995	967,689	-2.3
April	337,847			1,327,842		
May	348,365			1,676,207		
June	329,810			2,006,017		
July	325,011			2,331,028		
August	320,293			2,651,321		
September	309,879			2,961,200		
October	341,914			3,303,114		
November	321,524			3,624,638		
December	345,665			3,970,303		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2021 and 2022 (continued)

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

Product and month	Monthly			Cumulative		
	2021	2022	Change from 2021	2021	2022	Change from 2021
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	482,461	503,643	4.4	482,461	503,643	4.4
February	443,396	466,287	5.2	925,857	969,930	4.8
March	502,101	512,800	2.1	1,427,958	1,482,730	3.8
April	483,156			1,911,114		
May	472,514			2,383,628		
June	465,030			2,848,658		
July	480,260			3,328,918		
August	480,009			3,808,927		
September	475,972			4,284,899		
October	488,426			4,773,325		
November	485,853			5,259,178		
December	508,981			5,768,159		
Mozzarella						
January	376,540	394,810	4.9	376,540	394,810	4.9
February	344,391	359,283	4.3	720,931	754,093	4.6
March	392,656	406,423	3.5	1,113,587	1,160,516	4.2
April	377,151			1,490,738		
May	371,087			1,861,825		
June	364,385			2,226,210		
July	374,441			2,600,651		
August	374,517			2,975,168		
September	369,882			3,345,050		
October	378,302			3,723,352		
November	378,299			4,101,651		
December	394,985			4,496,636		
Other Italian cheese types						
January	6,374	7,952	24.8	6,374	7,952	24.8
February	6,455	7,304	13.2	12,829	15,256	18.9
March	7,132	8,332	16.8	19,961	23,588	18.2
April	6,577			26,538		
May	6,815			33,353		
June	7,638			40,991		
July	7,750			48,741		
August	7,708			56,449		
September	7,639			64,088		
October	8,621			72,709		
November	8,011			80,720		
December	8,879			89,599		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2021 and 2022 (continued)

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

Product and month	Monthly			Cumulative		
	2021	2022	Change from 2021	2021	2022	Change from 2021
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	222,262	194,034	-12.7	222,262	194,034	-12.7
February	188,833	183,462	-2.8	411,095	377,496	-8.2
March	199,574	202,584	1.5	610,669	580,080	-5.0
April	182,991			793,660		
May	183,041			976,701		
June	156,965			1,133,666		
July	147,112			1,280,778		
August	147,053			1,427,831		
September	143,640			1,571,471		
October	164,296			1,735,767		
November	155,987			1,891,754		
December	179,962			2,071,716		
Nonfat dry milk, human						
January	210,168	170,306	-19.0	210,168	170,306	-19.0
February	182,471	170,815	-6.4	392,639	341,121	-13.1
March	198,254	190,462	-3.9	590,893	531,583	-10.0
April	193,792			784,685		
May	205,470			990,155		
June	185,604			1,175,759		
July	155,789			1,331,548		
August	121,559			1,453,107		
September	119,384			1,572,491		
October	120,721			1,693,212		
November	132,011			1,825,223		
December	167,804			1,993,027		
Skim milk powder, total ³						
January	48,065	43,415	-9.7	48,065	43,415	-9.7
February	43,967	29,612	-32.6	92,032	73,027	-20.7
March	52,575	32,994	-37.2	144,607	106,021	-26.7
April	55,977			200,584		
May	48,496			249,080		
June	54,174			303,254		
July	64,413			367,667		
August	72,450			440,117		
September	72,120			512,237		
October	77,649			589,886		
November	59,550			649,436		
December	48,567			698,003		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2021 and 2022 (continued)

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

Product and month	Monthly			Cumulative		
	2021	2022	Change from 2021	2021	2022	Change from 2021
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	83,537	80,406	-3.7	83,537	80,406	-3.7
February	75,154	70,288	-6.5	158,691	150,694	-5.0
March	76,909	81,958	6.6	235,600	232,652	-1.3
April	74,435			310,035		
May	77,277			387,312		
June	70,350			457,662		
July	81,016			538,678		
August	76,302			614,980		
September	69,185			684,165		
October	70,882			755,047		
November	67,856			822,903		
December	71,044			893,947		
Lactose, human and animal						
January	91,730	101,448	10.6	91,730	101,448	10.6
February	78,576	92,778	18.1	170,306	194,226	14.0
March	97,812	95,300	-2.6	268,118	289,526	8.0
April	92,065			360,183		
May	94,741			454,924		
June	96,228			551,152		
July	99,012			650,164		
August	93,958			744,122		
September	92,670			836,792		
October	92,548			929,340		
November	87,511			1,016,851		
December	95,064			1,111,915		
Whey protein concentrate, total						
January	41,358	47,226	14.2	41,358	47,226	14.2
February	35,794	40,718	13.8	77,152	87,944	14.0
March	40,832	41,351	1.3	117,984	129,295	9.6
April	39,956			157,940		
May	40,450			198,390		
June	36,515			234,905		
July	38,689			273,594		
August	37,587			311,181		
September	37,812			348,993		
October	38,122			387,115		
November	38,440			425,555		
December	39,253			464,808		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2021 and 2022 (continued)

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

Product and month	Monthly			Cumulative		
	2021	2022	Change from 2021	2021	2022	Change from 2021
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	26,717	27,422	2.6	26,717	27,422	2.6
February	27,677	28,452	2.8	54,394	55,874	2.7
March	31,597	30,053	-4.9	85,991	85,927	-0.1
April	27,116			113,107		
May	28,165			141,272		
June	28,624			169,896		
July	29,474			199,370		
August	29,527			228,897		
September	28,604			257,501		
October	27,437			284,938		
November	26,136			311,074		
December	27,472			338,546		
Cottage cheese, lowfat						
January	24,664	24,313	-1.4	24,664	24,313	-1.4
February	24,788	24,832	0.2	49,452	49,145	-0.6
March	29,719	28,549	-3.9	79,171	77,694	-1.9
April	25,862			105,033		
May	24,753			129,786		
June	25,730			155,516		
July	26,481			181,997		
August	26,252			208,249		
September	25,745			233,994		
October	24,129			258,123		
November	22,085			280,208		
December	23,028			303,236		
Sour cream						
January	114,190	121,358	6.3	114,190	121,358	6.3
February	114,679	117,010	2.0	228,869	238,368	4.2
March	133,781	129,720	-3.0	362,650	368,088	1.5
April	119,051			481,701		
May	120,142			601,843		
June	126,500			728,343		
July	121,174			849,517		
August	122,915			972,432		
September	118,932			1,091,364		
October	132,853			1,224,217		
November	133,456			1,357,673		
December	136,439			1,494,112		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2021 and 2022 (continued)

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

Product and month	Monthly			Cumulative		
	2021	2022	Change from 2021	2021	2022	Change from 2021
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	57,904	51,240	-11.5	57,904	51,240	-11.5
February	57,863	54,872	-5.2	115,767	106,112	-8.3
March	68,982	67,066	-2.8	184,749	173,178	-6.3
April	68,856			253,605		
May	61,168			314,773		
June	66,028			380,801		
July	64,257			445,058		
August	63,201			508,259		
September	55,511			563,770		
October	54,598			618,368		
November	52,137			670,505		
December	52,283			722,788		
Ice cream, lowfat total						
January	33,705	27,545	-18.3	33,705	27,545	-18.3
February	36,884	30,891	-16.2	70,589	58,436	-17.2
March	47,296	41,835	-11.5	117,885	100,271	-14.9
April	42,986			160,871		
May	43,855			204,726		
June	43,004			247,730		
July	42,723			290,453		
August	40,724			331,177		
September	36,106			367,283		
October	35,214			402,497		
November	29,451			431,948		
December	28,727			460,675		
Sherbet, hard						
January	2,366	2,303	-2.7	2,366	2,303	-2.7
February	2,483	2,519	1.4	4,849	4,822	-0.6
March	2,497	2,903	16.3	7,346	7,725	5.2
April	2,823			10,169		
May	2,364			12,533		
June	2,617			15,150		
July	2,793			17,943		
August	2,336			20,279		
September	2,148			22,427		
October	1,957			24,384		
November	1,773			26,157		
December	1,833			27,990		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2021 and 2022 (continued)

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

Product and month	Monthly			Cumulative		
	2021	2022	Change from 2021	2021	2022	Change from 2021
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	384,678	372,943	-3.1	384,678	372,943	-3.1
February	382,863	373,445	-2.5	767,541	746,388	-2.8
March	443,374	434,714	-2.0	1,210,915	1,181,102	-2.5
April	414,884			1,625,799		
May	393,724			2,019,523		
June	389,530			2,409,053		
July	401,106			2,810,159		
August	411,210			3,221,369		
September	409,977			3,631,346		
October	386,014			4,017,360		
November	355,335			4,372,695		
December	370,532			4,743,227		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	3,033	3,371	11.1	3,033	3,371	11.1
February	3,934	4,272	8.6	6,967	7,643	9.7
March	3,795	4,278	12.7	10,762	11,921	10.8
April	4,895			15,657		
May	4,248			19,905		
June	4,240			24,145		
July	4,072			28,217		
August	4,334			32,551		
September	3,594			36,145		
October	3,562			39,707		
November	2,901			42,608		
December	3,789			46,397		

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:
March 2021 and 2022**

State and region	March 2021	February 2022	March 2022	Change from	
				March 2021	February 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	210,809	202,820	212,974	1.0	5.0
Idaho	90,183	73,050	89,282	-1.0	22.2
Illinois	6,200	5,856	5,300	-14.5	-9.5
Iowa	27,874	31,364	30,092	8.0	-4.1
Minnesota	65,896	64,927	67,446	2.4	3.9
New Jersey	5,519	4,598	5,791	4.9	25.9
New Mexico	82,826	75,898	83,302	0.6	9.8
New York	75,327	70,033	69,447	-7.8	-0.8
Ohio	20,907	20,326	23,153	10.7	13.9
Pennsylvania	40,728	36,973	39,313	-3.5	6.3
Vermont	12,095	11,420	12,715	5.1	11.3
Wisconsin	305,655	270,685	296,637	-3.0	9.6
Other States ¹	239,363	237,388	261,159	9.1	10.0
United States	1,183,382	1,105,338	1,196,611	1.1	8.3
Atlantic	145,962	134,187	139,434	-4.5	3.9
Central	565,142	532,225	576,710	2.0	8.4
West	472,278	438,926	480,467	1.7	9.5

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: March 2021 and 2022

State and region	March 2021	February 2022	March 2022	Change from	
				March 2021	February 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	50,926	42,820	49,098	-3.6	14.7
Iowa	16,787	16,373	15,570	-7.2	-4.9
Minnesota	53,623	53,377	54,731	2.1	2.5
New York	11,905	12,177	11,367	-4.5	-6.7
Wisconsin	96,093	85,195	90,700	-5.6	6.5
Other States ¹	251,166	232,741	252,117	0.4	8.3
United States	480,500	442,683	473,583	-1.4	7.0
Atlantic	28,538	27,488	27,612	-3.2	0.5
Central	256,219	239,591	254,047	-0.8	6.0
West	195,743	175,604	191,924	-2.0	9.3

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: March 2021 and 2022

State and region	March 2021	February 2022	March 2022	Change from	
				March 2021	February 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	25,268	22,114	23,073	-8.7	4.3
Vermont	9,364	8,012	8,766	-6.4	9.4
Wisconsin	65,027	56,977	60,200	-7.4	5.7
Other States ¹	237,117	220,958	235,110	-0.8	6.4
United States	336,776	308,061	327,149	-2.9	6.2
Atlantic	27,549	25,592	26,339	-4.4	2.9
Central	174,609	165,469	172,361	-1.3	4.2
West	134,618	117,000	128,449	-4.6	9.8

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: March 2021 and 2022

State and region	March 2021	February 2022	March 2022	Change from	
				March 2021	February 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	135,883	137,037	139,017	2.3	1.4
Minnesota	12,018	11,243	12,349	2.8	9.8
New Jersey	2,760	2,294	3,244	17.5	41.4
New York	32,283	28,873	28,013	-13.2	-3.0
Pennsylvania	23,342	22,016	24,152	3.5	9.7
Wisconsin	147,271	130,786	146,180	-0.7	11.8
Other States ¹	148,544	134,038	159,845	7.6	19.3
United States	502,101	466,287	512,800	2.1	10.0
Atlantic	63,458	57,226	60,434	-4.8	5.6
Central	210,245	193,293	216,085	2.8	11.8
West	228,398	215,768	236,281	3.5	9.5

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: March 2021 and 2022

State and region	March 2021	February 2022	March 2022	Change from	
				March 2021	February 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	125,951	123,511	129,376	2.7	4.7
New Jersey	1,292	1,062	1,405	8.7	32.3
New York	15,477	15,396	15,175	-2.0	-1.4
Pennsylvania	18,895	17,877	19,658	4.0	10.0
Wisconsin	97,012	81,195	96,100	-0.9	18.4
Other States ¹	134,029	120,242	144,709	8.0	20.3
United States	392,656	359,283	406,423	3.5	13.1
Atlantic	38,608	37,122	39,158	1.4	5.5
Central	137,523	121,224	142,444	3.6	17.5
West	216,525	200,937	224,821	3.8	11.9

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

Butter Production – States, United States, and Regions: March 2021 and 2022

State and region	March 2021	February 2022	March 2022	Change from	
				March 2021	February 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	62,573	59,212	69,702	11.4	17.7
Pennsylvania	8,479	7,811	8,203	-3.3	5.0
Other States ¹	128,522	116,439	124,679	-3.0	7.1
United States	199,574	183,462	202,584	1.5	10.4
Atlantic	17,452	17,110	17,646	1.1	3.1
Central	78,235	71,018	75,847	-3.1	6.8
West	103,887	95,334	109,091	5.0	14.4

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: March 2021 and 2022

State and region	March 2021	February 2022	March 2022	Change from	
				March 2021	February 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	92,911	82,107	92,289	-0.7	12.4
Pennsylvania	15,537	14,011	15,900	2.3	13.5
Other States ¹	89,806	74,697	82,273	-8.4	10.1
United States	198,254	170,815	190,462	-3.9	11.5
Atlantic	29,464	27,714	30,697	4.2	10.8
Central	37,909	32,612	34,511	-9.0	5.8
West	130,881	110,489	125,254	-4.3	13.4

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: March 2021 and 2022

State and region	March 2021	February 2022	March 2022	Change from	
				March 2021	February 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	11,826	10,228	12,985	9.8	27.0
Wisconsin	28,138	21,495	26,344	-6.4	22.6
Other States ¹	35,781	37,270	40,897	14.3	9.7
United States	75,745	68,993	80,226	5.9	16.3
Atlantic	22,557	20,020	23,752	5.3	18.6
Central	38,513	32,506	39,826	3.4	22.5
West	14,675	16,467	16,648	13.4	1.1

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: March 2021 and 2022

State and region	March 2021	February 2022	March 2022	Change from	
				March 2021	February 2022
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	7,432	5,364	7,315	-1.6	36.4
Connecticut	1,362	1,103	679	-50.1	-38.4
New York	2,207	1,974	2,069	-6.3	4.8
Ohio	2,879	1,849	2,272	-21.1	22.9
Oregon	1,062	1,029	1,086	2.3	5.5
Pennsylvania	3,050	2,190	2,681	-12.1	22.4
Tennessee	2,065	1,790	2,113	2.3	18.0
Utah	1,484	1,632	1,514	2.0	-7.2
Wisconsin	731	586	626	-14.4	6.8
Other States ¹	46,710	37,355	46,711	-	25.0
United States	68,982	54,872	67,066	-2.8	22.2
Atlantic	15,171	11,316	13,633	-10.1	20.5
Central	41,502	33,789	41,414	-0.2	22.6
West	12,309	9,767	12,019	-2.4	23.1

- Represents zero.

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 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.

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Access to NASS Reports

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- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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

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