



Dairy Products

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July 2024 Highlights

Total cheese output (excluding cottage cheese) was 1.19 billion pounds, 1.9 percent above July 2023 and 2.7 percent above June 2024.

Italian type cheese production totaled 495 million pounds, 2.4 percent above July 2023 and 2.0 percent above June 2024.

American type cheese production totaled 474 million pounds, 1.6 percent below July 2023 but 3.9 percent above June 2024.

Butter production was 162 million pounds, 2.2 percent above July 2023 but 3.8 percent below June 2024.

Dry milk products (comparisons in percentage with July 2023)

Nonfat dry milk, human - 122 million pounds, down 8.6 percent.

Skim milk powder - 62.4 million pounds, down 13.8 percent.

Whey products (comparisons in percentage with July 2023)

Dry whey, total - 67.7 million pounds, down 24.2 percent.

Lactose, human and animal - 95.3 million pounds, up 1.1 percent.

Whey protein concentrate, total - 40.1 million pounds, down 6.2 percent.

Frozen products (comparisons in percentage with July 2023)

Ice cream, regular (hard) - 64.9 million gallons, up 5.0 percent.

Ice cream, lowfat (total) - 39.5 million gallons, down 5.1 percent.

Sherbet (hard) - 1.79 million gallons, up 5.6 percent.

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

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

Product	July 2023	June 2024	July 2024	Change from	
				July 2023	June 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	158,220	167,992	161,667	2.2	-3.8
Cheese					
American types ¹	481,811	456,275	474,170	-1.6	3.9
Cheddar	333,699	310,178	314,327	-5.8	1.3
Other American types	148,112	146,097	159,843	7.9	9.4
Blue and Gorgonzola	7,095	9,973	7,408	4.4	-25.7
Brick and Muenster	17,408	18,090	17,657	1.4	-2.4
Cream and Neufchatel	85,302	96,258	101,802	19.3	5.8
Feta	12,799	13,570	13,254	3.6	-2.3
Gouda	6,356	6,937	6,668	4.9	-3.9
Hispanic	33,525	33,625	34,104	1.7	1.4
Italian types	483,503	485,397	495,161	2.4	2.0
Mozzarella	384,244	390,447	398,013	3.6	1.9
Parmesan	40,881	32,564	33,543	-17.9	3.0
Provolone	29,862	32,735	31,863	6.7	-2.7
Ricotta	17,830	16,917	18,079	1.4	6.9
Romano	4,000	4,500	4,942	23.6	9.8
Other Italian types	6,686	8,234	8,721	30.4	5.9
Swiss	28,959	26,431	28,035	-3.2	6.1
All other types	12,187	13,189	12,507	2.6	-5.2
Total cheese ²	1,168,945	1,159,745	1,190,766	1.9	2.7
Cottage cheese, curd ³	34,299	35,330	40,480	18.0	14.6
Cottage cheese, cream ⁴	32,026	34,196	35,725	11.5	4.5
Cottage cheese, lowfat ⁵	29,618	31,251	31,775	7.3	1.7
Sour cream	118,268	123,012	126,831	7.2	3.1
Yogurt, plain and flavored	385,092	392,756	400,373	4.0	1.9
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	61,876	66,551	64,940	5.0	-2.4
Ice cream, lowfat, hard	20,281	20,110	19,089	-5.9	-5.1
Ice cream, lowfat, soft	21,299	18,306	20,366	-4.4	11.3
Ice cream, lowfat, total ⁶	41,580	38,416	39,455	-5.1	2.7
Ice cream, nonfat, hard	641	586	455	-29.0	-22.4
Sherbet, hard	1,698	1,716	1,793	5.6	4.5
Frozen yogurt, total	4,292	4,164	4,293	(Z)	3.1
Regular and lowfat, hard	1,041	864	1,300	24.9	50.5
Nonfat, hard	368	320	110	-70.1	-65.6
Other frozen dairy products	1,384	1,405	1,120	-19.1	-20.3
Water and juice ices	7,410	7,213	7,238	-2.3	0.3
Mix for frozen products					
Ice cream, regular, mix	40,157	43,562	43,623	8.6	0.1
Ice cream, lowfat, mix ⁷	23,167	21,546	22,242	-4.0	3.2
Ice cream, nonfat, mix	445	524	446	0.2	-14.9
Sherbet mix	1,365	1,550	1,534	12.4	-1.0
Yogurt mix	2,069	1,743	1,821	-12.0	4.5

(Z) Less than half of the unit shown.

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

² Excludes Cottage Cheese.

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

⁴ Fat content 4 percent or more.

⁵ Fat content less than 4 percent.

⁶ Includes freezer-made milkshake.

⁷ Includes milkshake mix.

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

Product	July 2023	June 2024	July 2024	Change from	
				July 2023	June 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	8,422	7,765	6,948	-17.5	-10.5
Dry whey products					
Dry whey, human	83,408	67,868	62,587	-25.0	-7.8
Dry whey, animal	5,913	5,094	5,090	-13.9	-0.1
Dry whey, total	89,321	72,962	67,677	-24.2	-7.2
Reduced Lactose and minerals					
Human and animal	3,808	3,624	3,432	-9.9	-5.3
Whey protein concentrate					
Human ²	41,754	39,413	39,250	-6.0	-0.4
Animal ²	1,015	1,128	857	-15.6	-24.0
Total ²	42,769	40,541	40,107	-6.2	-1.1
25.0-49.9 percent ³	14,325	11,561	11,206	-21.8	-3.1
50.0-89.9 percent ³	28,444	28,980	28,901	1.6	-0.3
Whey protein isolates ⁴	12,381	16,272	16,109	30.1	-1.0
Lactose, human and animal	94,224	94,181	95,291	1.1	1.2
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	83,520	64,286	60,425	-27.7	-6.0
Dry whey, animal	3,612	3,692	3,424	-5.2	-7.3
Dry whey, total	87,132	67,978	63,849	-26.7	-6.1
Reduced Lactose and minerals					
Human and animal ⁶	9,383	8,781	9,232	-1.6	5.1
Whey protein concentrate					
Human ²	82,804	51,179	51,500	-37.8	0.6
Animal ²	2,161	1,834	1,678	-22.4	-8.5
Total ²	84,965	53,013	53,178	-37.4	0.3
25.0-49.9 percent ³	35,071	19,057	18,760	-46.5	-1.6
50.0-89.9 percent ³	49,894	33,956	34,418	-31.0	1.4
Whey protein isolates ⁴	21,678	15,554	15,893	-26.7	2.2
Lactose, human and animal	145,153	114,298	118,194	-18.6	3.4
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	23.6	23.4	29.2	5.6	5.7

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:
July 2023 and 2024**

Product	July 2023	June 2024	July 2024	Change from	
				July 2023	June 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	133,695	129,504	123,044	-8.0	-5.0
Dry milk products					
Dry buttermilk, total	11,360	9,275	10,055	-11.5	8.4
Dry skim milk, animal	582	721	548	-5.8	-24.0
Dry whole milk	8,719	10,698	10,914	25.2	2.0
Milk protein concentrate, total ¹	14,229	30,476	24,707	73.6	-18.9
Nonfat dry milk, human	133,356	127,495	121,881	-8.6	-4.4
Skim milk powder, total ²	72,400	60,457	62,388	-13.8	3.2
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	38,623	34,764	33,472	-13.3	-3.7
Dry skim milk, animal	7,036	8,651	12,398	76.2	43.3
Dry whole milk	9,107	13,000	11,516	26.5	-11.4
Nonfat dry milk, human	268,754	273,284	269,715	0.4	-1.3
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	150,339	140,111	125,377	-16.6	-10.5

¹ Dry milk protein concentrate, 40-89.9 percent.

² Includes protein standardized and blends.

³ Stocks held by manufacturers at all points and in transit.

⁴ For dry products, shipments of bulk goods.

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

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,222,785	1,200,917	-1.8	1,222,785	1,200,917	-1.8
February	1,116,128	1,139,985	2.1	2,338,913	2,340,902	0.1
March	1,224,820	1,223,777	-0.1	3,563,733	3,564,679	(Z)
April	1,165,123	1,188,261	2.0	4,728,856	4,752,940	0.5
May	1,204,162	1,210,254	0.5	5,933,018	5,963,194	0.5
June	1,178,410	1,159,745	-1.6	7,111,428	7,122,939	0.2
July	1,168,945	1,190,766	1.9	8,280,373	8,313,705	0.4
August	1,177,853			9,458,226		
September	1,159,521			10,617,747		
October	1,214,264			11,832,011		
November	1,171,266			13,003,277		
December	1,207,714			14,210,991		
Total American cheese types ²						
January	512,962	473,081	-7.8	512,962	473,081	-7.8
February	454,152	446,591	-1.7	967,114	919,672	-4.9
March	505,830	489,346	-3.3	1,472,944	1,409,018	-4.3
April	491,399	467,098	-4.9	1,964,343	1,876,116	-4.5
May	517,700	488,140	-5.7	2,482,043	2,364,256	-4.7
June	480,863	456,275	-5.1	2,962,906	2,820,531	-4.8
July	481,811	474,170	-1.6	3,444,717	3,294,701	-4.4
August	479,230			3,923,947		
September	473,266			4,397,213		
October	487,001			4,884,214		
November	471,035			5,355,249		
December	489,254			5,844,503		
Cheddar cheese						
January	366,554	330,574	-9.8	366,554	330,574	-9.8
February	328,113	314,571	-4.1	694,667	645,145	-7.1
March	355,379	340,784	-4.1	1,050,046	985,929	-6.1
April	352,686	317,180	-10.1	1,402,732	1,303,109	-7.1
May	364,287	329,161	-9.6	1,767,019	1,632,270	-7.6
June	343,057	310,178	-9.6	2,110,076	1,942,448	-7.9
July	333,699	314,327	-5.8	2,443,775	2,256,775	-7.7
August	325,393			2,769,168		
September	319,957			3,089,125		
October	342,782			3,431,907		
November	321,767			3,753,674		
December	337,743			4,091,417		

See footnote(s) at end of table.

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

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	501,658	510,548	1.8	501,658	510,548	1.8
February	460,736	476,892	3.5	962,394	987,440	2.6
March	496,213	518,595	4.5	1,458,607	1,506,035	3.3
April	474,325	505,053	6.5	1,932,932	2,011,088	4.0
May	484,024	505,383	4.4	2,416,956	2,516,471	4.1
June	486,238	485,397	-0.2	2,903,194	3,001,868	3.4
July	483,503	495,161	2.4	3,386,697	3,497,029	3.3
August	484,214			3,870,911		
September	479,371			4,350,282		
October	509,162			4,859,444		
November	487,486			5,346,930		
December	507,540			5,854,470		
Mozzarella						
January	394,320	398,419	1.0	394,320	398,419	1.0
February	361,784	374,126	3.4	756,104	772,545	2.2
March	383,594	409,839	6.8	1,139,698	1,182,384	3.7
April	378,076	402,159	6.4	1,517,774	1,584,543	4.4
May	378,366	405,705	7.2	1,896,140	1,990,248	5.0
June	383,786	390,447	1.7	2,279,926	2,380,695	4.4
July	384,244	398,013	3.6	2,664,170	2,778,708	4.3
August	381,750			3,045,920		
September	379,375			3,425,295		
October	399,262			3,824,557		
November	380,413			4,204,970		
December	401,292			4,606,262		
Other Italian cheese types						
January	7,359	8,380	13.9	7,359	8,380	13.9
February	6,736	7,680	14.0	14,095	16,060	13.9
March	7,638	8,374	9.6	21,733	24,434	12.4
April	7,094	7,950	12.1	28,827	32,384	12.3
May	7,359	7,277	-1.1	36,186	39,661	9.6
June	6,979	8,234	18.0	43,165	47,895	11.0
July	6,686	8,721	30.4	49,851	56,616	13.6
August	7,385			57,236		
September	6,652			63,888		
October	7,454			71,342		
November	7,361			78,703		
December	7,110			85,813		

See footnote(s) at end of table.

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

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	203,586	217,247	6.7	203,586	217,247	6.7
February	187,456	197,645	5.4	391,042	414,892	6.1
March	205,762	210,526	2.3	596,804	625,418	4.8
April	197,344	207,630	5.2	794,148	833,048	4.9
May	196,410	204,444	4.1	990,558	1,037,492	4.7
June	164,478	167,992	2.1	1,155,036	1,205,484	4.4
July	158,220	161,667	2.2	1,313,256	1,367,151	4.1
August	138,915			1,452,171		
September	143,134			1,595,305		
October	162,523			1,757,828		
November	163,544			1,921,372		
December	193,656			2,115,028		
Nonfat dry milk, human						
January	175,602	138,296	-21.2	175,602	138,296	-21.2
February	177,583	147,081	-17.2	353,185	285,377	-19.2
March	199,390	183,977	-7.7	552,575	469,354	-15.1
April	198,521	174,167	-12.3	751,096	643,521	-14.3
May	206,532	169,098	-18.1	957,628	812,619	-15.1
June	173,093	127,495	-26.3	1,130,721	940,114	-16.9
July	133,356	121,881	-8.6	1,264,077	1,061,995	-16.0
August	112,079			1,376,156		
September	99,972			1,476,128		
October	128,569			1,604,697		
November	116,818			1,721,515		
December	146,889			1,868,404		
Skim milk powder, total ³						
January	56,002	56,918	1.6	56,002	56,918	1.6
February	47,623	36,240	-23.9	103,625	93,158	-10.1
March	48,544	28,313	-41.7	152,169	121,471	-20.2
April	45,797	35,840	-21.7	197,966	157,311	-20.5
May	46,555	41,852	-10.1	244,521	199,163	-18.5
June	49,722	60,457	21.6	294,243	259,620	-11.8
July	72,400	62,388	-13.8	366,643	322,008	-12.2
August	71,296			437,939		
September	67,711			505,650		
October	54,046			559,696		
November	70,722			630,418		
December	64,201			694,619		

See footnote(s) at end of table.

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

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	76,713	77,724	1.3	76,713	77,724	1.3
February	66,699	72,131	8.1	143,412	149,855	4.5
March	77,296	79,925	3.4	220,708	229,780	4.1
April	79,595	81,240	2.1	300,303	311,020	3.6
May	81,782	76,630	-6.3	382,085	387,650	1.5
June	88,164	72,962	-17.2	470,249	460,612	-2.0
July	89,321	67,677	-24.2	559,570	528,289	-5.6
August	83,570			643,140		
September	78,899			722,039		
October	75,276			797,315		
November	68,581			865,896		
December	72,550			938,446		
Lactose, human and animal						
January	90,193	89,452	-0.8	90,193	89,452	-0.8
February	83,542	87,602	4.9	173,735	177,054	1.9
March	98,668	99,109	0.4	272,403	276,163	1.4
April	92,838	91,706	-1.2	365,241	367,869	0.7
May	95,558	92,900	-2.8	460,799	460,769	(Z)
June	98,125	94,181	-4.0	558,924	554,950	-0.7
July	94,224	95,291	1.1	653,148	650,241	-0.4
August	92,371			745,519		
September	95,253			840,772		
October	90,017			930,789		
November	84,059			1,014,848		
December	90,687			1,105,535		
Whey protein concentrate, total						
January	41,102	42,695	3.9	41,102	42,695	3.9
February	38,859	38,710	-0.4	79,961	81,405	1.8
March	43,152	44,170	2.4	123,113	125,575	2.0
April	41,819	39,233	-6.2	164,932	164,808	-0.1
May	43,893	42,415	-3.4	208,825	207,223	-0.8
June	43,643	40,541	-7.1	252,468	247,764	-1.9
July	42,769	40,107	-6.2	295,237	287,871	-2.5
August	40,792			336,029		
September	40,645			376,674		
October	39,688			416,362		
November	41,293			457,655		
December	44,300			501,955		

See footnote(s) at end of table.

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

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	29,410	32,818	11.6	29,410	32,818	11.6
February	29,224	32,747	12.1	58,634	65,565	11.8
March	33,127	35,291	6.5	91,761	100,856	9.9
April	28,531	35,842	25.6	120,292	136,698	13.6
May	33,114	36,335	9.7	153,406	173,033	12.8
June	32,699	34,196	4.6	186,105	207,229	11.4
July	32,026	35,725	11.5	218,131	242,954	11.4
August	34,739			252,870		
September	33,459			286,329		
October	31,351			317,680		
November	31,158			348,838		
December	29,001			377,839		
Cottage cheese, lowfat						
January	26,555	29,535	11.2	26,555	29,535	11.2
February	24,353	28,625	17.5	50,908	58,160	14.2
March	26,305	29,824	13.4	77,213	87,984	13.9
April	25,100	32,609	29.9	102,313	120,593	17.9
May	28,559	33,591	17.6	130,872	154,184	17.8
June	27,433	31,251	13.9	158,305	185,435	17.1
July	29,618	31,775	7.3	187,923	217,210	15.6
August	32,997			220,920		
September	32,472			253,392		
October	29,760			283,152		
November	26,106			309,258		
December	26,154			335,412		
Sour cream						
January	127,476	128,934	1.1	127,476	128,934	1.1
February	114,036	119,290	4.6	241,512	248,224	2.8
March	127,913	123,459	-3.5	369,425	371,683	0.6
April	118,718	124,292	4.7	488,143	495,975	1.6
May	128,185	127,362	-0.6	616,328	623,337	1.1
June	129,278	123,012	-4.8	745,606	746,349	0.1
July	118,268	126,831	7.2	863,874	873,180	1.1
August	121,697			985,571		
September	119,965			1,105,536		
October	139,112			1,244,648		
November	141,909			1,386,557		
December	132,557			1,519,114		

See footnote(s) at end of table.

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

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	51,980	49,619	-4.5	51,980	49,619	-4.5
February	56,997	57,300	0.5	108,977	106,919	-1.9
March	65,225	66,215	1.5	174,202	173,134	-0.6
April	60,272	64,744	7.4	234,474	237,878	1.5
May	63,493	66,193	4.3	297,967	304,071	2.0
June	66,668	66,551	-0.2	364,635	370,622	1.6
July	61,876	64,940	5.0	426,511	435,562	2.1
August	65,454			491,965		
September	61,000			552,965		
October	55,913			608,878		
November	48,489			657,367		
December	44,454			701,821		
Ice cream, lowfat total						
January	32,887	26,593	-19.1	32,887	26,593	-19.1
February	36,307	31,391	-13.5	69,194	57,984	-16.2
March	43,267	37,552	-13.2	112,461	95,536	-15.0
April	40,975	38,662	-5.6	153,436	134,198	-12.5
May	42,912	39,818	-7.2	196,348	174,016	-11.4
June	42,995	38,416	-10.7	239,343	212,432	-11.2
July	41,580	39,455	-5.1	280,923	251,887	-10.3
August	42,401			323,324		
September	35,738			359,062		
October	37,237			396,299		
November	27,899			424,198		
December	26,658			450,856		
Sherbet, hard						
January	1,783	1,609	-9.8	1,783	1,609	-9.8
February	2,029	1,533	-24.4	3,812	3,142	-17.6
March	1,851	1,835	-0.9	5,663	4,977	-12.1
April	1,974	1,777	-10.0	7,637	6,754	-11.6
May	1,937	1,678	-13.4	9,574	8,432	-11.9
June	1,918	1,716	-10.5	11,492	10,148	-11.7
July	1,698	1,793	5.6	13,190	11,941	-9.5
August	2,069			15,259		
September	1,525			16,784		
October	1,644			18,428		
November	1,371			19,799		
December	1,182			20,981		

See footnote(s) at end of table.

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

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	384,757	397,623	3.3	384,757	397,623	3.3
February	383,743	396,526	3.3	768,500	794,149	3.3
March	428,478	427,988	-0.1	1,196,978	1,222,137	2.1
April	371,914	413,821	11.3	1,568,892	1,635,958	4.3
May	382,291	401,316	5.0	1,951,183	2,037,274	4.4
June	384,105	392,756	2.3	2,335,288	2,430,030	4.1
July	385,092	400,373	4.0	2,720,380	2,830,403	4.0
August	392,827			3,113,207		
September	402,621			3,515,828		
October	374,844			3,890,672		
November	339,246			4,229,918		
December	359,954			4,589,872		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	2,584	3,277	26.8	2,584	3,277	26.8
February	3,450	4,001	16.0	6,034	7,278	20.6
March	3,710	3,731	0.6	9,744	11,009	13.0
April	3,238	3,105	-4.1	12,982	14,114	8.7
May	4,316	4,315	(Z)	17,298	18,429	6.5
June	4,272	4,164	-2.5	21,570	22,593	4.7
July	4,292	4,293		25,862	26,886	4.0
August	4,335			30,197		
September	3,245			33,442		
October	3,321			36,763		
November	2,422			39,185		
December	3,191			42,376		

(Z) Less than half of the unit shown.

¹ Excludes Cottage Cheese.

² Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

³ Includes protein standardized and blends.

⁴ Excludes all modified dry whey products.

**Total Cheese Production Excluding Cottage Cheese – States, United States, and Regions:
July 2023 and 2024**

State and region	July 2023	June 2024	July 2024	Change from	
				July 2023	June 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	201,743	205,205	204,305	1.3	-0.4
Idaho	87,713	88,806	88,718	1.1	-0.1
Illinois	5,750	5,369	5,812	1.1	8.3
Iowa	31,896	31,391	32,927	3.2	4.9
Minnesota	70,100	65,665	66,861	-4.6	1.8
New Jersey	5,940	5,825	6,092	2.6	4.6
New Mexico	78,819	68,684	76,223	-3.3	11.0
New York	70,555	68,172	77,273	9.5	13.4
Ohio	20,464	19,571	21,598	5.5	10.4
Pennsylvania	37,910	38,140	34,401	-9.3	-9.8
South Dakota	43,136	44,068	45,034	4.4	2.2
Vermont	11,905	11,179	11,724	-1.5	4.9
Wisconsin	290,759	294,650	297,806	2.4	1.1
Other States ¹	212,255	213,020	221,992	4.6	4.2
United States	1,168,945	1,159,745	1,190,766	1.9	2.7
Atlantic	137,599	128,512	134,490	-2.3	4.7
Central	572,706	574,114	589,712	3.0	2.7
West	458,640	457,119	466,564	1.7	2.1

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: July 2023 and 2024

State and region	July 2023	June 2024	July 2024	Change from	
				July 2023	June 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	42,568	45,708	44,368	4.2	-2.9
Iowa	15,787	17,369	18,331	16.1	5.5
Minnesota	59,594	58,511	60,975	2.3	4.2
New York	11,841	11,700	12,572	6.2	7.5
Wisconsin	92,482	88,783	91,300	-1.3	2.8
Other States ¹	259,539	234,204	246,624	-5.0	5.3
United States	481,811	456,275	474,170	-1.6	3.9
Atlantic	27,657	21,089	22,492	-18.7	6.7
Central	269,657	259,120	267,823	-0.7	3.4
West	184,497	176,066	183,855	-0.3	4.4

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

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

State and region	July 2023	June 2024	July 2024	Change from	
				July 2023	June 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	16,812	20,803	18,441	9.7	-11.4
Iowa	11,681	11,336	11,777	0.8	3.9
Vermont	8,020	7,998	8,488	5.8	6.1
Wisconsin	61,216	54,752	56,200	-8.2	2.6
Other States ¹	235,970	215,289	219,421	-7.0	1.9
United States	333,699	310,178	314,327	-5.8	1.3
Atlantic	25,971	19,366	20,745	-20.1	7.1
Central	187,440	173,755	175,241	-6.5	0.9
West	120,288	117,057	118,341	-1.6	1.1

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

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

State and region	July 2023	June 2024	July 2024	Change from	
				July 2023	June 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	135,144	139,510	140,159	3.7	0.5
Minnesota	10,269	7,034	5,674	-44.7	-19.3
New Jersey	3,132	2,860	3,206	2.4	12.1
New York	27,303	28,324	27,666	1.3	-2.3
Pennsylvania	22,115	20,927	20,329	-8.1	-2.9
Wisconsin	139,954	138,571	143,789	2.7	3.8
Other States ¹	145,586	148,171	154,338	6.0	4.2
United States	483,503	485,397	495,161	2.4	2.0
Atlantic	56,536	55,939	54,710	-3.2	-2.2
Central	204,632	196,936	205,758	0.6	4.5
West	222,335	232,522	234,693	5.6	0.9

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: July 2023 and 2024

State and region	July 2023	June 2024	July 2024	Change from	
				July 2023	June 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	124,091	129,387	129,191	4.1	-0.2
New Jersey	1,711	1,548	1,669	-2.5	7.8
New York	14,216	14,364	14,741	3.7	2.6
Pennsylvania	18,263	17,192	16,109	-11.8	-6.3
Wisconsin	92,272	90,564	93,400	1.2	3.1
Other States ¹	133,691	137,392	142,903	6.9	4.0
United States	384,244	390,447	398,013	3.6	1.9
Atlantic	36,712	35,548	34,927	-4.9	-1.7
Central	137,917	133,987	140,650	2.0	5.0
West	209,615	220,912	222,436	6.1	0.7

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

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

State and region	July 2023	June 2024	July 2024	Change from	
				July 2023	June 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	51,041	54,022	49,675	-2.7	-8.0
Pennsylvania	6,656	5,265	5,249	-21.1	-0.3
Other States ¹	100,523	108,705	106,743	6.2	-1.8
United States	158,220	167,992	161,667	2.2	-3.8
Atlantic	10,226	11,076	9,590	-6.2	-13.4
Central	61,527	66,995	64,095	4.2	-4.3
West	86,467	89,921	87,982	1.8	-2.2

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: July 2023 and 2024

State and region	July 2023	June 2024	July 2024	Change from	
				July 2023	June 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	46,488	42,637	46,866	0.8	9.9
Pennsylvania	13,982	10,254	7,723	-44.8	-24.7
Other States ¹	72,886	74,604	67,292	-7.7	-9.8
United States	133,356	127,495	121,881	-8.6	-4.4
Atlantic	27,007	26,055	20,403	-24.5	-21.7
Central	32,605	34,712	31,399	-3.7	-9.5
West	73,744	66,728	70,079	-5.0	5.0

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: July 2023 and 2024

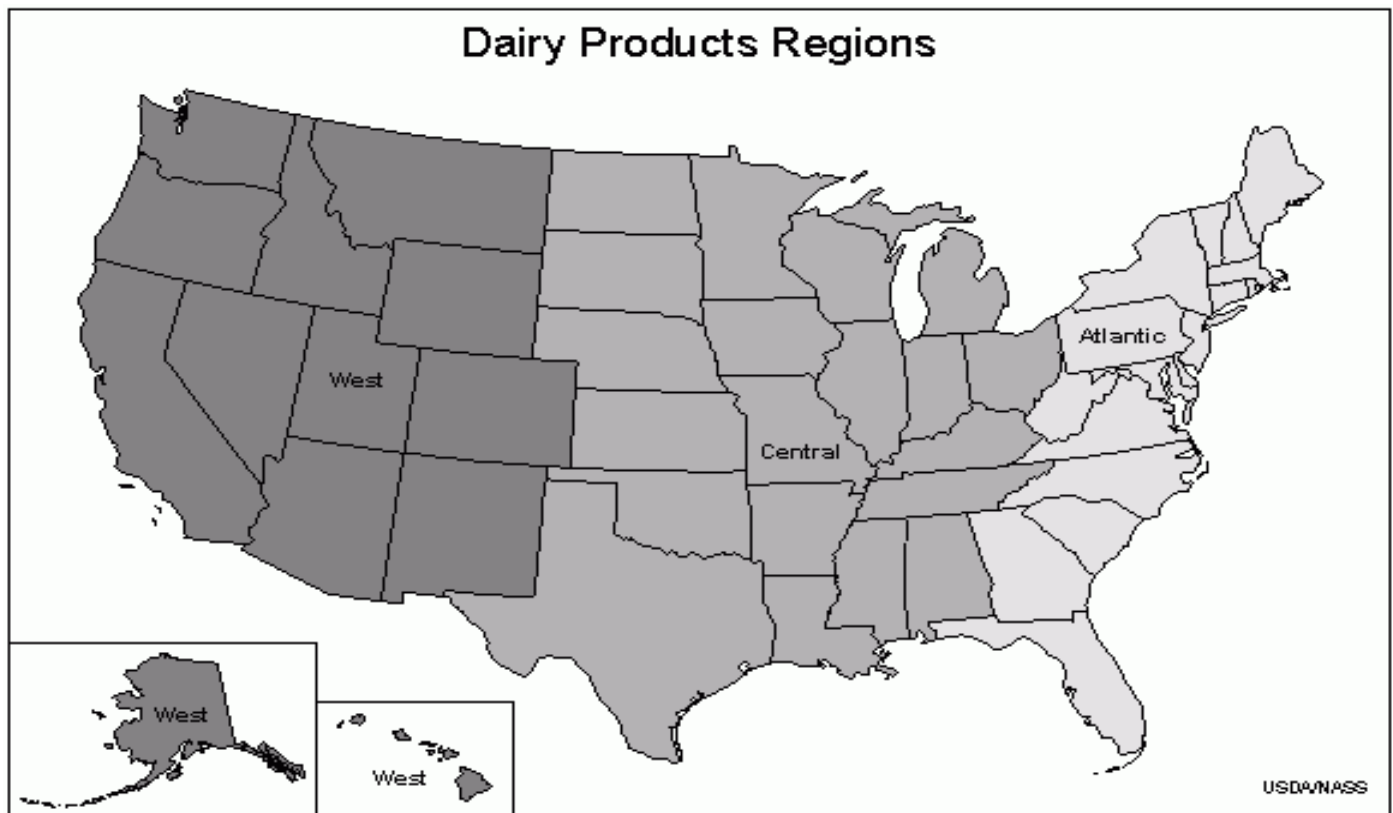
State and region	July 2023	June 2024	July 2024	Change from	
				July 2023	June 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	10,646	11,479	10,779	1.2	-6.1
Wisconsin	22,358	24,407	20,349	-9.0	-16.6
Other States ¹	50,404	31,982	31,459	-37.6	-1.6
United States	83,408	67,868	62,587	-25.0	-7.8
Atlantic	20,542	20,769	18,775	-8.6	-9.6
Central	42,133	33,187	29,744	-29.4	-10.4
West	20,733	13,912	14,068	-32.1	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: July 2023 and 2024

State and region	July 2023	June 2024	July 2024	Change from	
				July 2023	June 2024
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	7,075	8,000	8,454	19.5	5.7
New York	2,704	2,348	2,731	1.0	16.3
Ohio	2,478	2,561	2,532	2.2	-1.1
Utah	1,512	1,826	1,479	-2.2	-19.0
Wisconsin	1,112	1,124	1,145	3.0	1.9
Other States ¹	46,995	50,692	48,599	3.4	-4.1
United States	61,876	66,551	64,940	5.0	-2.4
Atlantic	14,490	13,067	14,287	-1.4	9.3
Central	35,441	39,785	37,360	5.4	-6.1
West	11,945	13,699	13,293	11.3	-3.0

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



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

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

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

Statistical Methodology

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

Sampling frames and sample size: In 2023, there were 1,183 manufacturers that produced one or more dairy products. In states with small numbers of plants, reports are received from all plants each month. In states with large numbers of plants, survey procedures are designed to obtain monthly reports from all large plants and from a sample of small plants. In some states, the State Departments of Agriculture assist in collection of data, which eliminates duplicate reporting and reduces respondent burden.

Modes of data collection: Data are collected by mail, personal and telephone interviews, facsimile, and via electronic mail.

Terms and definitions: Firms complete the questionnaire using standard industry definitions and through the aid of instructions and definitions provided on the questionnaire.

Reliability: Data for the Dairy Products report are collected by a Census of all known manufacturers of dairy products in the United States. Firms producing large quantities of dairy products, along with a sample of smaller firms, are contacted monthly to collect previous month production data. Those small firms not contacted monthly are contacted after the close of the year to obtain previous year production. Production of products at small firms not contacted monthly are estimated during the monthly survey based upon check data, and state and national trends. Small firms are defined as those that do not make up a significant portion of the published total. Plants storing nonfat dry milk and dry whey are required under Federal law as defined in Public Laws 106-532 and 107-171 to complete the Dairy Products report. Plants storing these items are contacted monthly. Additionally, many state governments have mandated that dairy plants in their state complete the Dairy Products report each month. Because the Dairy Products survey is a census, sampling error should not affect the final estimates, however non-sampling errors are possible.

Estimating Procedures: In the Regional Field Office (RFO), data reported by firms are reviewed for reasonableness and consistency by comparing with data reported in prior months and by data reported by other firms in the State. Each RFO summarizes data at the Individual State level. State estimates are submitted to the Agricultural Statistics Board (ASB) along with supporting comments where they are compared with surrounding states, their region, and national trends. During both RFO and ASB review, plants are sometimes contacted again for further verification of numbers reported. After ASB review, RFO data are summarized into a National level summary.

Revision Policy: Monthly estimates are subject to revision the month following the preliminary estimates. Annual estimates are published in late April in the *Dairy Products Yearly Summary* report which includes any revisions made to previous 2 years of estimates. Revisions are generally due to plant data that are received too late to be included in the current report.

Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@usda.gov.

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- 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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