



Dairy Products

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November 2024 Highlights

Total cheese output (excluding cottage cheese) was 1.15 billion pounds, 1.7 percent below November 2023 and 6.1 percent below October 2024.

Italian type cheese production totaled 493 million pounds, 1.1 percent above November 2023 but 3.6 percent below October 2024.

American type cheese production totaled 448 million pounds, 4.9 percent below November 2023 and 8.1 percent below October 2024.

Butter production was 171 million pounds, 4.4 percent above November 2023 and 1.1 percent above October 2024.

Dry milk products (comparisons in percentage with November 2023)

Nonfat dry milk, human - 120 million pounds, up 2.8 percent.

Skim milk powder - 47.0 million pounds, down 33.5 percent.

Whey products (comparisons in percentage with November 2023)

Dry whey, total - 66.2 million pounds, down 3.5 percent.

Lactose, human and animal - 84.7 million pounds, up 0.8 percent.

Whey protein concentrate, total - 39.4 million pounds, down 4.6 percent.

Frozen products (comparisons in percentage with November 2023)

Ice cream, regular (hard) - 51.6 million gallons, up 6.4 percent.

Ice cream, lowfat (total) - 25.9 million gallons, down 7.2 percent.

Sherbet (hard) - 1.31 million gallons, down 4.2 percent.

Frozen yogurt (total) - 2.61 million gallons, up 7.6 percent.

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

Product	November 2023	October 2024	November 2024	Change from	
				November 2023	October 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	163,544	168,956	170,781	4.4	1.1
Cheese					
American types ¹	471,035	487,438	447,959	-4.9	-8.1
Cheddar	321,767	333,877	310,765	-3.4	-6.9
Other American types	149,268	153,561	137,194	-8.1	-10.7
Blue and Gorgonzola	7,137	7,794	7,113	-0.3	-8.7
Brick and Muenster	16,998	18,203	17,674	4.0	-2.9
Cream and Neufchatel	93,310	105,416	95,463	2.3	-9.4
Feta	10,878	13,585	11,714	7.7	-13.8
Gouda	5,881	5,884	7,078	20.4	20.3
Hispanic	36,495	36,640	32,300	-11.5	-11.8
Italian types	487,486	511,157	492,674	1.1	-3.6
Mozzarella	380,413	406,008	387,135	1.8	-4.6
Parmesan	40,128	35,784	38,560	-3.9	7.8
Provolone	30,600	33,560	31,384	2.6	-6.5
Ricotta	23,582	22,613	21,712	-7.9	-4.0
Romano	5,402	4,801	4,869	-9.9	1.4
Other Italian types	7,361	8,391	9,014	22.5	7.4
Swiss	26,463	26,603	25,810	-2.5	-3.0
All other types	15,583	14,166	13,974	-10.3	-1.4
Total cheese ²	1,171,266	1,226,886	1,151,759	-1.7	-6.1
Cottage cheese, curd ³	31,399	40,700	36,990	17.8	-9.1
Cottage cheese, cream ⁴	31,158	36,575	33,447	7.3	-8.6
Cottage cheese, lowfat ⁵	26,106	33,451	33,993	30.2	1.6
Sour cream	141,909	139,393	132,286	-6.8	-5.1
Yogurt, plain and flavored	339,246	418,965	380,696	12.2	-9.1
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	48,489	62,528	51,584	6.4	-17.5
Ice cream, lowfat, hard	13,993	17,887	13,395	-4.3	-25.1
Ice cream, lowfat, soft	13,906	13,373	12,498	-10.1	-6.5
Ice cream, lowfat, total ⁶	27,899	31,260	25,893	-7.2	-17.2
Ice cream, nonfat, hard	606	521	425	-29.9	-18.4
Sherbet, hard	1,371	1,583	1,314	-4.2	-17.0
Frozen yogurt, total	2,422	3,320	2,606	7.6	-21.5
Regular and lowfat, hard	860	1,326	1,012	17.7	-23.7
Nonfat, hard	183	106	215	17.5	102.8
Other frozen dairy products	951	1,157	986	3.7	-14.8
Water and juice ices	4,333	5,456	4,537	4.7	-16.8
Mix for frozen products					
Ice cream, regular, mix	30,335	38,202	32,631	7.6	-14.6
Ice cream, lowfat, mix ⁷	14,322	17,422	14,534	1.5	-16.6
Ice cream, nonfat, mix	413	576	546	32.2	-5.2
Sherbet mix	1,050	1,371	1,024	-2.5	-25.3
Yogurt mix	1,737	2,030	1,567	-9.8	-22.8

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:
November 2023 and 2024**

Product	November 2023	October 2024	November 2024	Change from	
				November 2023	October 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	7,408	6,564	6,303	-14.9	-4.0
Dry whey products					
Dry whey, human	63,351	62,701	62,690	-1.0	(Z)
Dry whey, animal	5,230	3,581	3,467	-33.7	-3.2
Dry whey, total	68,581	66,282	66,157	-3.5	-0.2
Reduced Lactose and minerals					
Human and animal	2,972	3,718	3,051	2.7	-17.9
Whey protein concentrate					
Human ²	40,327	38,876	38,718	-4.0	-0.4
Animal ²	966	1,662	681	-29.5	-59.0
Total ²	41,293	40,538	39,399	-4.6	-2.8
25.0-49.9 percent ³	12,445	12,096	11,755	-5.5	-2.8
50.0-89.9 percent ³	28,848	28,442	27,644	-4.2	-2.8
Whey protein isolates ⁴	14,180	15,902	15,455	9.0	-2.8
Lactose, human and animal	84,059	91,558	84,699	0.8	-7.5
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	66,722	47,775	54,174	-18.8	13.4
Dry whey, animal	4,339	2,843	3,530	-18.6	24.2
Dry whey, total	71,061	50,618	57,704	-18.8	14.0
Reduced Lactose and minerals					
Human and animal ⁶	5,942	8,050	7,975	34.2	-0.9
Whey protein concentrate					
Human ²	62,042	49,408	52,449	-15.5	6.2
Animal ²	1,944	1,316	1,208	-37.9	-8.2
Total ²	63,986	50,724	53,657	-16.1	5.8
25.0-49.9 percent ³	26,450	18,410	21,776	-17.7	18.3
50.0-89.9 percent ³	37,536	32,314	31,881	-15.1	-1.3
Whey protein isolates ⁴	16,892	13,971	14,733	-12.8	5.5
Lactose, human and animal	110,264	108,062	116,303	5.5	7.6
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	21.2	32.4	34.8	13.7	2.5

(Z) Less than half of the unit shown.

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:
November 2023 and 2024**

Product	November 2023	October 2024	November 2024	Change from	
				November 2023	October 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	104,005	111,232	106,038	2.0	-4.7
Dry milk products					
Dry buttermilk, total	10,750	10,695	10,501	-2.3	-1.8
Dry skim milk, animal	599	546	660	10.2	20.9
Dry whole milk	10,000	9,613	7,631	-23.7	-20.6
Milk protein concentrate, total ¹	14,226	25,361	22,647	59.2	-10.7
Nonfat dry milk, human	116,818	125,363	120,130	2.8	-4.2
Skim milk powder, total ²	70,722	40,979	47,049	-33.5	14.8
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	26,950	28,522	29,358	8.9	2.9
Dry skim milk, animal	8,114	10,523	9,291	14.5	-11.7
Dry whole milk	10,218	11,517	10,912	6.8	-5.3
Nonfat dry milk, human	200,180	232,822	238,105	18.9	2.3
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	130,812	136,828	110,525	-15.5	-19.2

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	1,191,591	1.9	8,280,373	8,314,530	0.4
August	1,177,853	1,196,864	1.6	9,458,226	9,511,394	0.6
September	1,159,521	1,160,964	0.1	10,617,747	10,672,358	0.5
October	1,214,264	1,226,886	1.0	11,832,011	11,899,244	0.6
November	1,171,266	1,151,759	-1.7	13,003,277	13,051,003	0.4
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	469,556	-2.5	3,444,717	3,290,087	-4.5
August	479,230	476,774	-0.5	3,923,947	3,766,861	-4.0
September	473,266	456,060	-3.6	4,397,213	4,222,921	-4.0
October	487,001	487,438	0.1	4,884,214	4,710,359	-3.6
November	471,035	447,959	-4.9	5,355,249	5,158,318	-3.7
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	311,572	-6.6	2,443,775	2,254,020	-7.8
August	325,393	321,447	-1.2	2,769,168	2,575,467	-7.0
September	319,957	312,830	-2.2	3,089,125	2,888,297	-6.5
October	342,782	333,877	-2.6	3,431,907	3,222,174	-6.1
November	321,767	310,765	-3.4	3,753,674	3,532,939	-5.9
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	496,118	2.6	3,386,697	3,497,986	3.3
August	484,214	500,060	3.3	3,870,911	3,998,046	3.3
September	479,371	487,702	1.7	4,350,282	4,485,748	3.1
October	509,162	511,157	0.4	4,859,444	4,996,905	2.8
November	487,486	492,674	1.1	5,346,930	5,489,579	2.7
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	399,268	3.9	2,664,170	2,779,963	4.3
August	381,750	400,492	4.9	3,045,920	3,180,455	4.4
September	379,375	390,995	3.1	3,425,295	3,571,450	4.3
October	399,262	406,008	1.7	3,824,557	3,977,458	4.0
November	380,413	387,135	1.8	4,204,970	4,364,593	3.8
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	8,768	31.1	49,851	56,663	13.7
August	7,385	9,468	28.2	57,236	66,131	15.5
September	6,652	7,608	14.4	63,888	73,739	15.4
October	7,454	8,391	12.6	71,342	82,130	15.1
November	7,361	9,014	22.5	78,703	91,144	15.8
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	163,973	3.6	1,313,256	1,369,457	4.3
August	138,915	159,922	15.1	1,452,171	1,529,379	5.3
September	143,134	160,463	12.1	1,595,305	1,689,842	5.9
October	162,523	168,956	4.0	1,757,828	1,858,798	5.7
November	163,544	170,781	4.4	1,921,372	2,029,579	5.6
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	120,993	-9.3	1,264,077	1,061,107	-16.1
August	112,079	116,151	3.6	1,376,156	1,177,258	-14.5
September	99,972	115,480	15.5	1,476,128	1,292,738	-12.4
October	128,569	125,363	-2.5	1,604,697	1,418,101	-11.6
November	116,818	120,130	2.8	1,721,515	1,538,231	-10.6
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	51,571	-28.8	366,643	311,191	-15.1
August	71,296	50,320	-29.4	437,939	361,511	-17.5
September	67,711	53,377	-21.2	505,650	414,888	-17.9
October	54,046	40,979	-24.2	559,696	455,867	-18.6
November	70,722	47,049	-33.5	630,418	502,916	-20.2
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	65,246	-21.9	643,140	593,535	-7.7
September	78,899	68,014	-13.8	722,039	661,549	-8.4
October	75,276	66,282	-11.9	797,315	727,831	-8.7
November	68,581	66,157	-3.5	865,896	793,988	-8.3
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	95,146	1.0	653,148	650,096	-0.5
August	92,371	94,954	2.8	745,519	745,050	-0.1
September	95,253	94,098	-1.2	840,772	839,148	-0.2
October	90,017	91,558	1.7	930,789	930,706	(Z)
November	84,059	84,699	0.8	1,014,848	1,015,405	0.1
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	38,519	-9.9	295,237	286,283	-3.0
August	40,792	41,444	1.6	336,029	327,727	-2.5
September	40,645	39,220	-3.5	376,674	366,947	-2.6
October	39,688	40,538	2.1	416,362	407,485	-2.1
November	41,293	39,399	-4.6	457,655	446,884	-2.4
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	36,071	12.6	218,131	243,300	11.5
August	34,739	34,822	0.2	252,870	278,122	10.0
September	33,459	35,785	7.0	286,329	313,907	9.6
October	31,351	36,575	16.7	317,680	350,482	10.3
November	31,158	33,447	7.3	348,838	383,929	10.1
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	31,743	7.2	187,923	217,178	15.6
August	32,997	33,012	(Z)	220,920	250,190	13.2
September	32,472	31,305	-3.6	253,392	281,495	11.1
October	29,760	33,451	12.4	283,152	314,946	11.2
November	26,106	33,993	30.2	309,258	348,939	12.8
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	126,862	7.3	863,874	873,211	1.1
August	121,697	126,753	4.2	985,571	999,964	1.5
September	119,965	120,222	0.2	1,105,536	1,120,186	1.3
October	139,112	139,393	0.2	1,244,648	1,259,579	1.2
November	141,909	132,286	-6.8	1,386,557	1,391,865	0.4
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	64,954	5.0	426,511	435,576	2.1
August	65,454	69,341	5.9	491,965	504,917	2.6
September	61,000	59,063	-3.2	552,965	563,980	2.0
October	55,913	62,528	11.8	608,878	626,508	2.9
November	48,489	51,584	6.4	657,367	678,092	3.2
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	38,636	-8.9	323,324	290,523	-10.1
September	35,738	31,884	-10.8	359,062	322,407	-10.2
October	37,237	31,260	-16.1	396,299	353,667	-10.8
November	27,899	25,893	-7.2	424,198	379,560	-10.5
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	2,153	4.1	15,259	14,094	-7.6
September	1,525	1,677	10.0	16,784	15,771	-6.0
October	1,644	1,583	-3.7	18,428	17,354	-5.8
November	1,371	1,314	-4.2	19,799	18,668	-5.7
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	401,462	4.3	2,720,380	2,831,492	4.1
August	392,827	423,662	7.8	3,113,207	3,255,154	4.6
September	402,621	431,425	7.2	3,515,828	3,686,579	4.9
October	374,844	418,965	11.8	3,890,672	4,105,544	5.5
November	339,246	380,696	12.2	4,229,918	4,486,240	6.1
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	(Z)	25,862	26,886	4.0
August	4,335	4,387	1.2	30,197	31,273	3.6
September	3,245	3,172	-2.2	33,442	34,445	3.0
October	3,321	3,320	(Z)	36,763	37,765	2.7
November	2,422	2,606	7.6	39,185	40,371	3.0
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:
November 2023 and 2024**

State and region	November 2023	October 2024	November 2024	Change from	
				November 2023	October 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	206,747	204,461	199,955	-3.3	-2.2
Idaho	76,763	94,346	79,691	3.8	-15.5
Illinois	5,739	5,472	5,715	-0.4	4.4
Iowa	34,248	31,253	31,547	-7.9	0.9
Minnesota	65,272	69,693	64,996	-0.4	-6.7
New Jersey	6,307	8,758	7,290	15.6	-16.8
New Mexico	76,668	75,986	72,171	-5.9	-5.0
New York	71,823	74,819	71,239	-0.8	-4.8
Ohio	21,110	21,563	20,716	-1.9	-3.9
Pennsylvania	36,490	39,894	37,486	2.7	-6.0
South Dakota	43,413	45,760	41,668	-4.0	-8.9
Vermont	12,003	13,216	12,230	1.9	-7.5
Wisconsin	294,283	314,766	291,246	-1.0	-7.5
Other States ¹	220,400	226,899	215,809	-2.1	-4.9
United States	1,171,266	1,226,886	1,151,759	-1.7	-6.1
Atlantic	138,473	141,558	133,317	-3.7	-5.8
Central	583,262	613,980	570,520	-2.2	-7.1
West	449,531	471,348	447,922	-0.4	-5.0

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: November 2023 and 2024

State and region	November 2023	October 2024	November 2024	Change from	
				November 2023	October 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	46,368	47,958	42,872	-7.5	-10.6
Iowa	18,435	16,084	15,585	-15.5	-3.1
Minnesota	55,580	62,321	56,423	1.5	-9.5
New York	11,323	12,176	11,372	0.4	-6.6
Wisconsin	90,428	92,467	82,700	-8.5	-10.6
Other States ¹	248,901	256,432	239,007	-4.0	-6.8
United States	471,035	487,438	447,959	-4.9	-8.1
Atlantic	27,730	23,147	21,706	-21.7	-6.2
Central	261,592	275,383	249,719	-4.5	-9.3
West	181,713	188,908	176,534	-2.9	-6.6

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: November 2023 and 2024

State and region	November 2023	October 2024	November 2024	Change from	
				November 2023	October 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	19,679	21,161	20,347	3.4	-3.8
Iowa	8,373	11,780	9,519	13.7	-19.2
Vermont	8,662	9,545	8,758	1.1	-8.2
Wisconsin	58,353	59,491	51,800	-11.2	-12.9
Other States ¹	226,700	231,900	220,341	-2.8	-5.0
United States	321,767	333,877	310,765	-3.4	-6.9
Atlantic	26,246	21,109	20,064	-23.6	-5.0
Central	171,560	189,562	168,650	-1.7	-11.0
West	123,961	123,206	122,051	-1.5	-0.9

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

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

State and region	November 2023	October 2024	November 2024	Change from	
				November 2023	October 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	138,462	136,342	138,328	-0.1	1.5
Minnesota	9,587	7,195	8,446	-11.9	17.4
New Jersey	3,363	4,904	4,277	27.2	-12.8
New York	30,759	30,557	30,255	-1.6	-1.0
Pennsylvania	21,695	22,524	22,631	4.3	0.5
Wisconsin	140,799	150,512	142,674	1.3	-5.2
Other States ¹	142,821	159,123	146,063	2.3	-8.2
United States	487,486	511,157	492,674	1.1	-3.6
Atlantic	59,837	61,442	60,730	1.5	-1.2
Central	206,710	215,881	205,944	-0.4	-4.6
West	220,939	233,834	226,000	2.3	-3.4

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: November 2023 and 2024

State and region	November 2023	October 2024	November 2024	Change from	
				November 2023	October 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	127,525	125,653	127,019	-0.4	1.1
New Jersey	1,538	2,801	2,622	70.5	-6.4
New York	13,893	14,345	14,085	1.4	-1.8
Pennsylvania	17,378	18,063	18,606	7.1	3.0
Wisconsin	91,234	97,277	90,900	-0.4	-6.6
Other States ¹	128,845	147,869	133,903	3.9	-9.4
United States	380,413	406,008	387,135	1.8	-4.6
Atlantic	35,207	37,504	37,660	7.0	0.4
Central	136,472	146,220	135,732	-0.5	-7.2
West	208,734	222,284	213,743	2.4	-3.8

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

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

State and region	November 2023	October 2024	November 2024	Change from	
				November 2023	October 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	51,630	48,665	45,024	-12.8	-7.5
Pennsylvania	6,752	6,725	6,819	1.0	1.4
Other States ¹	105,162	113,566	118,938	13.1	4.7
United States	163,544	168,956	170,781	4.4	1.1
Atlantic	11,805	13,984	12,567	6.5	-10.1
Central	63,188	68,411	71,601	13.3	4.7
West	88,551	86,561	86,613	-2.2	0.1

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: November 2023 and 2024

State and region	November 2023	October 2024	November 2024	Change from	
				November 2023	October 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	43,156	46,178	42,527	-1.5	-7.9
Pennsylvania	10,878	10,143	10,800	-0.7	6.5
Other States ¹	62,784	69,042	66,803	6.4	-3.2
United States	116,818	125,363	120,130	2.8	-4.2
Atlantic	21,711	20,603	20,593	-5.1	(Z)
Central	24,969	32,444	32,713	31.0	0.8
West	70,138	72,316	66,824	-4.7	-7.6

(Z) Less than half of the unit shown.

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

Dry Whey (Human) Production – States, United States, and Regions: November 2023 and 2024

State and region	November 2023	October 2024	November 2024	Change from	
				November 2023	October 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	10,855	10,476	10,989	1.2	4.9
Wisconsin	21,160	21,756	23,244	9.8	6.8
Other States ¹	31,336	30,469	28,457	-9.2	-6.6
United States	63,351	62,701	62,690	-1.0	(Z)
Atlantic	19,734	19,773	20,174	2.2	2.0
Central	31,094	30,920	32,102	3.2	3.8
West	12,523	12,008	10,414	-16.8	-13.3

(Z) Less than half of the unit shown.

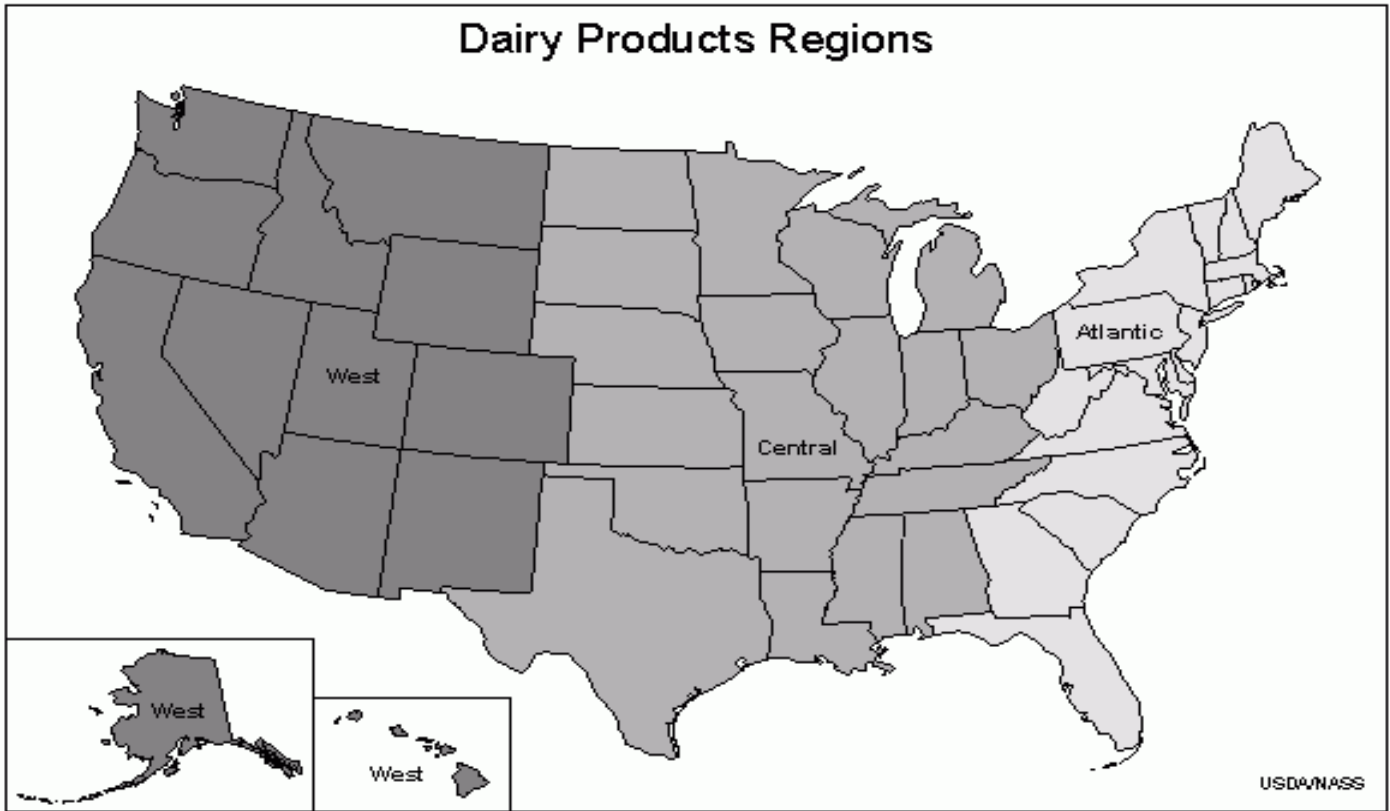
¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State and region	November 2023	October 2024	November 2024	Change from	
				November 2023	October 2024
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	5,557	6,521	5,694	2.5	-12.7
New York	1,764	1,949	1,759	-0.3	-9.7
Ohio	2,075	2,525	1,882	-9.3	-25.5
Utah	1,162	1,403	1,208	4.0	-13.9
Wisconsin	746	789	739	-0.9	-6.3
Other States ¹	37,185	49,341	40,302	8.4	-18.3
United States	48,489	62,528	51,584	6.4	-17.5
Atlantic	10,897	13,415	12,505	14.8	-6.8
Central	28,133	37,821	29,846	6.1	-21.1
West	9,459	11,292	9,233	-2.4	-18.2

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

Dairy Products Regions



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

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

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

Statistical Methodology

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

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

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

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

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

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

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

Information Contacts

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

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- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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

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U.S. DEPARTMENT OF AGRICULTURE



USDA's 101st Annual

Agricultural Outlook Forum

Meeting Tomorrow's Challenges, Today

Hybrid Event • February 27-28, 2025
Crystal Gateway Marriott, Arlington VA

Registration is now open to USDA's 101st Agricultural Outlook Forum!

USDA will hold the 101st Annual Agricultural Outlook Forum on February 27-28, 2025, at the Crystal City Gateway Marriott in Arlington, VA, under the title "Meeting Tomorrow's Challenges, Today." All Forum sessions will also be livestreamed on a virtual platform.

The 2025 program will feature a presentation on agricultural markets and trade by USDA Chief Economist Seth Meyer, many distinguished speakers, and 30 breakout sessions covering timely agricultural, food market, and environmental issues. Onsite attendees will also have the opportunity to visit exhibit booths showcasing the important missions and activities of various USDA agencies as well recent USDA-funded innovations.

To see the Forum program and register, visit

[The 2025 Forum Website](#)