



Dairy Products

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August 2024 Highlights

Total cheese output (excluding cottage cheese) was 1.20 billion pounds, 1.7 percent above August 2023 and 0.5 percent above July 2024.

Italian type cheese production totaled 499 million pounds, 3.1 percent above August 2023 and 0.6 percent above July 2024.

American type cheese production totaled 478 million pounds, 0.3 percent below August 2023 but 1.8 percent above July 2024.

Butter production was 159 million pounds, 14.5 percent above August 2023 but 3.0 percent below July 2024.

Dry milk products (comparisons in percentage with August 2023)

Nonfat dry milk, human - 115 million pounds, up 2.2 percent.

Skim milk powder - 50.3 million pounds, down 29.4 percent.

Whey products (comparisons in percentage with August 2023)

Dry whey, total - 65.5 million pounds, down 21.6 percent.

Lactose, human and animal - 95.6 million pounds, up 3.5 percent.

Whey protein concentrate, total - 41.5 million pounds, up 1.7 percent.

Frozen products (comparisons in percentage with August 2023)

Ice cream, regular (hard) - 69.3 million gallons, up 5.9 percent.

Ice cream, lowfat (total) - 38.7 million gallons, down 8.8 percent.

Sherbet (hard) - 2.15 million gallons, up 4.0 percent.

Frozen yogurt (total) - 4.39 million gallons, up 1.2 percent.

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

Product	August 2023	July 2024	August 2024	Change from	
				August 2023	July 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	138,915	163,973	159,047	14.5	-3.0
Cheese					
American types ¹	479,230	469,556	477,825	-0.3	1.8
Cheddar	325,393	311,572	321,985	-1.0	3.3
Other American types	153,837	157,984	155,840	1.3	-1.4
Blue and Gorgonzola	7,981	7,383	7,627	-4.4	3.3
Brick and Muenster	19,461	17,407	18,026	-7.4	3.6
Cream and Neufchatel	88,531	102,585	98,252	11.0	-4.2
Feta	13,641	13,320	12,850	-5.8	-3.5
Gouda	4,966	8,650	7,549	52.0	-12.7
Hispanic	38,312	34,009	34,742	-9.3	2.2
Italian types	484,214	496,118	499,145	3.1	0.6
Mozzarella	381,750	399,268	399,729	4.7	0.1
Parmesan	37,806	33,137	32,424	-14.2	-2.2
Provolone	32,731	31,863	33,052	1.0	3.7
Ricotta	20,861	18,083	19,473	-6.7	7.7
Romano	3,681	4,999	4,980	35.3	-0.4
Other Italian types	7,385	8,768	9,487	28.5	8.2
Swiss	27,655	28,036	27,337	-1.1	-2.5
All other types	13,862	14,527	14,163	2.2	-2.5
Total cheese ²	1,177,853	1,191,591	1,197,516	1.7	0.5
Cottage cheese, curd ³	37,511	40,794	37,735	0.6	-7.5
Cottage cheese, cream ⁴	34,739	36,071	34,730	(Z)	-3.7
Cottage cheese, lowfat ⁵	32,997	31,743	32,870	-0.4	3.6
Sour cream	121,697	126,862	126,325	3.8	-0.4
Yogurt, plain and flavored	392,827	401,462	423,269	7.7	5.4
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	65,454	64,954	69,338	5.9	6.7
Ice cream, lowfat, hard	21,798	19,089	20,509	-5.9	7.4
Ice cream, lowfat, soft	20,603	20,366	18,156	-11.9	-10.9
Ice cream, lowfat, total ⁶	42,401	39,455	38,665	-8.8	-2.0
Ice cream, nonfat, hard	862	455	552	-36.0	21.3
Sherbet, hard	2,069	1,793	2,152	4.0	20.0
Frozen yogurt, total	4,335	4,293	4,386	1.2	2.2
Regular and lowfat, hard	1,053	1,300	1,182	12.3	-9.1
Nonfat, hard	365	110	287	-21.4	160.9
Other frozen dairy products	1,368	1,120	1,572	14.9	40.4
Water and juice ices	6,664	7,210	6,342	-4.8	-12.0
Mix for frozen products					
Ice cream, regular, mix	41,296	43,628	44,312	7.3	1.6
Ice cream, lowfat, mix ⁷	22,982	22,242	21,666	-5.7	-2.6
Ice cream, nonfat, mix	529	446	547	3.4	22.6
Sherbet mix	1,847	1,533	1,630	-11.7	6.3
Yogurt mix	2,028	1,821	1,940	-4.3	6.5

(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:
August 2023 and 2024**

Product	August 2023	July 2024	August 2024	Change from	
				August 2023	July 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	7,921	6,948	6,576	-17.0	-5.4
Dry whey products					
Dry whey, human	80,294	62,587	61,113	-23.9	-2.4
Dry whey, animal	3,276	5,090	4,392	34.1	-13.7
Dry whey, total	83,570	67,677	65,505	-21.6	-3.2
Reduced Lactose and minerals					
Human and animal	3,356	3,264	3,606	7.4	10.5
Whey protein concentrate					
Human ²	39,457	37,664	40,259	2.0	6.9
Animal ²	1,335	855	1,234	-7.6	44.3
Total ²	40,792	38,519	41,493	1.7	7.7
25.0-49.9 percent ³	13,714	11,206	13,215	-3.6	17.9
50.0-89.9 percent ³	27,078	27,313	28,278	4.4	3.5
Whey protein isolates ⁴	11,733	15,933	15,852	35.1	-0.5
Lactose, human and animal	92,371	95,146	95,586	3.5	0.5
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	84,791	60,317	55,868	-34.1	-7.4
Dry whey, animal	2,991	3,424	3,288	9.9	-4.0
Dry whey, total	87,782	63,741	59,156	-32.6	-7.2
Reduced Lactose and minerals					
Human and animal ⁶	8,679	8,912	9,102	4.9	2.1
Whey protein concentrate					
Human ²	79,686	51,304	52,729	-33.8	2.8
Animal ²	1,886	1,714	1,381	-26.8	-19.4
Total ²	81,572	53,018	54,110	-33.7	2.1
25.0-49.9 percent ³	34,946	18,791	20,117	-42.4	7.1
50.0-89.9 percent ³	46,626	34,227	33,993	-27.1	-0.7
Whey protein isolates ⁴	20,114	16,096	16,170	-19.6	0.5
Lactose, human and animal	142,336	118,415	123,949	-12.9	4.7
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	23.5	29.2	29.3	5.8	0.1

¹ Final marketable product only. Does not include quantity used or shipped to another plant for further processing into dry whey or modified whey products. Does not include sweet-type, animal whey.

² Whey protein concentrate, 25.0 to 89.9 percent.

³ Whey protein concentrate, human and animal.

⁴ Whey protein isolate, 90.0 percent or greater.

⁵ Stocks held by manufacturers at all points and in transit.

⁶ Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

⁷ Prices for bulk goods, f.o.b. plant. Average monthly prices reported by firms.

**Condensed and Dry Milk Products Production, Stocks, and Shipments – United States:
August 2023 and 2024**

Product	August 2023	July 2024	August 2024	Change from	
				August 2023	July 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	128,631	119,604	113,520	-11.7	-5.1
Dry milk products					
Dry buttermilk, total	5,689	10,157	8,977	57.8	-11.6
Dry skim milk, animal	715	531	621	-13.1	16.9
Dry whole milk	8,005	10,914	8,623	7.7	-21.0
Milk protein concentrate, total ¹	12,852	25,957	22,855	77.8	-12.0
Nonfat dry milk, human	112,079	120,993	114,573	2.2	-5.3
Skim milk powder, total ²	71,296	51,571	50,320	-29.4	-2.4
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	29,563	33,740	32,166	8.8	-4.7
Dry skim milk, animal	8,557	12,398	11,229	31.2	-9.4
Dry whole milk	11,469	11,516	11,188	-2.5	-2.8
Nonfat dry milk, human	261,700	269,794	260,698	-0.4	-3.4
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	122,764	125,377	121,884	-0.7	-2.8

¹ Dry milk protein concentrate, 40-89.9 percent.

² Includes protein standardized and blends.

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

⁴ For dry products, shipments of bulk goods.

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

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,222,785	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	1,197,516	1.7	9,458,226	9,512,046	0.6
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	469,556	-2.5	3,444,717	3,290,087	-4.5
August	479,230	477,825	-0.3	3,923,947	3,767,912	-4.0
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	311,572	-6.6	2,443,775	2,254,020	-7.8
August	325,393	321,985	-1.0	2,769,168	2,576,005	-7.0
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	496,118	2.6	3,386,697	3,497,986	3.3
August	484,214	499,145	3.1	3,870,911	3,997,131	3.3
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	399,268	3.9	2,664,170	2,779,963	4.3
August	381,750	399,729	4.7	3,045,920	3,179,692	4.4
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	8,768	31.1	49,851	56,663	13.7
August	7,385	9,487	28.5	57,236	66,150	15.6
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	163,973	3.6	1,313,256	1,369,457	4.3
August	138,915	159,047	14.5	1,452,171	1,528,504	5.3
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	120,993	-9.3	1,264,077	1,061,107	-16.1
August	112,079	114,573	2.2	1,376,156	1,175,680	-14.6
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	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			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	65,505	-21.6	643,140	593,794	-7.7
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	95,146	1.0	653,148	650,096	-0.5
August	92,371	95,586	3.5	745,519	745,682	(Z)
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	38,519	-9.9	295,237	286,283	-3.0
August	40,792	41,493	1.7	336,029	327,776	-2.5
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	36,071	12.6	218,131	243,300	11.5
August	34,739	34,730	(Z)	252,870	278,030	9.9
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	31,743	7.2	187,923	217,178	15.6
August	32,997	32,870	-0.4	220,920	250,048	13.2
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	126,862	7.3	863,874	873,211	1.1
August	121,697	126,325	3.8	985,571	999,536	1.4
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	64,954	5.0	426,511	435,576	2.1
August	65,454	69,338	5.9	491,965	504,914	2.6
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	38,665	-8.8	323,324	290,552	-10.1
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	2,152	4.0	15,259	14,093	-7.6
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	401,462	4.3	2,720,380	2,831,492	4.1
August	392,827	423,269	7.7	3,113,207	3,254,761	4.5
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	(Z)	25,862	26,886	4.0
August	4,335	4,386	1.2	30,197	31,272	3.6
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:
August 2023 and 2024**

State and region	August 2023	July 2024	August 2024	Change from	
				August 2023	July 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	207,459	204,306	211,109	1.8	3.3
Idaho	80,651	88,718	87,541	8.5	-1.3
Illinois	5,546	5,809	5,863	5.7	0.9
Iowa	33,717	31,855	31,625	-6.2	-0.7
Minnesota	66,328	66,863	67,721	2.1	1.3
New Jersey	6,184	6,211	6,177	-0.1	-0.5
New Mexico	85,370	77,848	92,733	8.6	19.1
New York	69,437	77,290	69,771	0.5	-9.7
Ohio	21,049	21,598	20,972	-0.4	-2.9
Pennsylvania	39,483	34,411	38,301	-3.0	11.3
South Dakota	40,533	45,126	44,289	9.3	-1.9
Vermont	11,546	11,724	11,303	-2.1	-3.6
Wisconsin	297,159	298,822	294,405	-0.9	-1.5
Other States ¹	213,391	221,010	215,706	1.1	-2.4
United States	1,177,853	1,191,591	1,197,516	1.7	0.5
Atlantic	137,941	134,636	130,546	-5.4	-3.0
Central	576,654	588,689	578,793	0.4	-1.7
West	463,258	468,266	488,177	5.4	4.3

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: August 2023 and 2024

State and region	August 2023	July 2024	August 2024	Change from	
				August 2023	July 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	46,030	44,368	48,135	4.6	8.5
Iowa	17,597	16,756	16,856	-4.2	0.6
Minnesota	55,869	60,975	60,369	8.1	-1.0
New York	12,173	12,569	11,887	-2.3	-5.4
Wisconsin	88,343	91,197	85,100	-3.7	-6.7
Other States ¹	259,218	243,691	255,478	-1.4	4.8
United States	479,230	469,556	477,825	-0.3	1.8
Atlantic	27,618	22,497	21,265	-23.0	-5.5
Central	259,339	263,075	252,257	-2.7	-4.1
West	192,273	183,984	204,303	6.3	11.0

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: August 2023 and 2024

State and region	August 2023	July 2024	August 2024	Change from	
				August 2023	July 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	22,118	18,441	21,187	-4.2	14.9
Iowa	11,165	11,944	11,831	6.0	-0.9
Vermont	7,990	8,488	7,896	-1.2	-7.0
Wisconsin	54,912	56,148	52,500	-4.4	-6.5
Other States ¹	229,208	216,551	228,571	-0.3	5.6
United States	325,393	311,572	321,985	-1.0	3.3
Atlantic	25,925	20,744	19,737	-23.9	-4.9
Central	174,782	172,397	169,264	-3.2	-1.8
West	124,686	118,431	132,984	6.7	12.3

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: August 2023 and 2024

State and region	August 2023	July 2024	August 2024	Change from	
				August 2023	July 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	134,651	140,160	144,245	7.1	2.9
Minnesota	10,223	5,674	7,202	-29.6	26.9
New Jersey	3,061	3,206	2,938	-4.0	-8.4
New York	29,927	27,636	30,437	1.7	10.1
Pennsylvania	22,575	20,330	22,866	1.3	12.5
Wisconsin	142,729	144,152	143,127	0.3	-0.7
Other States ¹	141,048	154,960	148,330	5.2	-4.3
United States	484,214	496,118	499,145	3.1	0.6
Atlantic	59,661	54,681	59,826	0.3	9.4
Central	208,363	206,741	206,116	-1.1	-0.3
West	216,190	234,696	233,203	7.9	-0.6

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: August 2023 and 2024

State and region	August 2023	July 2024	August 2024	Change from	
				August 2023	July 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	125,532	129,192	134,460	7.1	4.1
New Jersey	1,659	1,669	1,644	-0.9	-1.5
New York	14,114	14,711	14,918	5.7	1.4
Pennsylvania	18,074	16,110	19,111	5.7	18.6
Wisconsin	95,039	93,783	92,500	-2.7	-1.4
Other States ¹	127,332	143,803	137,096	7.7	-4.7
United States	381,750	399,268	399,729	4.7	0.1
Atlantic	36,421	34,898	38,089	4.6	9.1
Central	139,815	141,931	139,399	-0.3	-1.8
West	205,514	222,439	222,241	8.1	-0.1

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

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

State and region	August 2023	July 2024	August 2024	Change from	
				August 2023	July 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	49,147	49,675	49,996	1.7	0.6
Pennsylvania	5,613	5,249	5,566	-0.8	6.0
Other States ¹	84,155	109,049	103,485	23.0	-5.1
United States	138,915	163,973	159,047	14.5	-3.0
Atlantic	10,020	9,887	9,984	-0.4	1.0
Central	53,988	66,104	61,135	13.2	-7.5
West	74,907	87,982	87,928	17.4	-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: August 2023 and 2024

State and region	August 2023	July 2024	August 2024	Change from	
				August 2023	July 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	36,464	46,866	50,611	38.8	8.0
Pennsylvania	13,645	7,723	9,722	-28.8	25.9
Other States ¹	61,970	66,404	54,240	-12.5	-18.3
United States	112,079	120,993	114,573	2.2	-5.3
Atlantic	26,878	19,515	23,049	-14.2	18.1
Central	26,196	31,399	20,478	-21.8	-34.8
West	59,005	70,079	71,046	20.4	1.4

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: August 2023 and 2024

State and region	August 2023	July 2024	August 2024	Change from	
				August 2023	July 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	11,404	10,779	11,621	1.9	7.8
Wisconsin	22,663	20,349	18,027	-20.5	-11.4
Other States ¹	46,227	31,459	31,465	-31.9	(Z)
United States	80,294	62,587	61,113	-23.9	-2.4
Atlantic	21,846	18,775	21,239	-2.8	13.1
Central	41,784	29,744	26,920	-35.6	-9.5
West	16,664	14,068	12,954	-22.3	-7.9

(Z) Less than half of the unit shown.

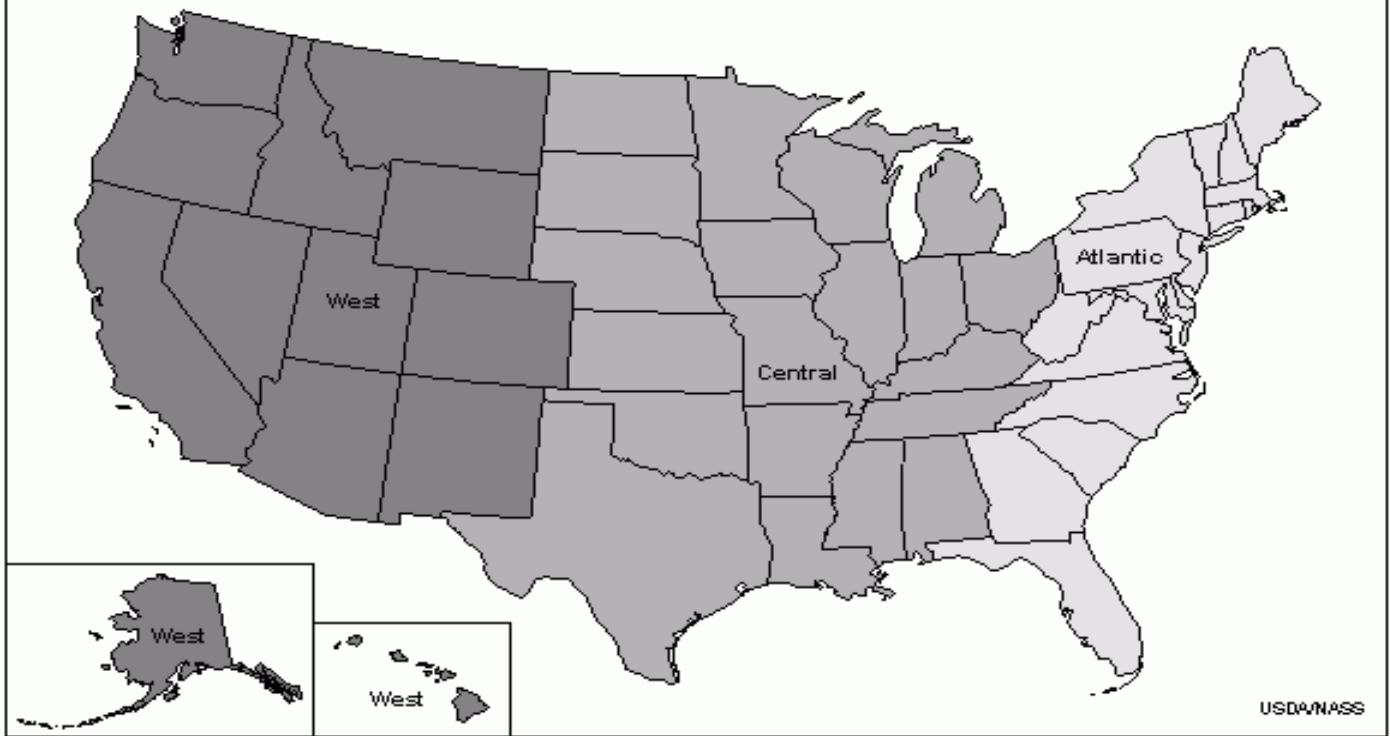
¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State and region	August 2023	July 2024	August 2024	Change from	
				August 2023	July 2024
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	7,399	8,464	8,256	11.6	-2.5
New York	2,612	2,731	2,469	-5.5	-9.6
Ohio	2,341	2,532	2,465	5.3	-2.6
Utah	1,605	1,479	1,603	-0.1	8.4
Wisconsin	1,003	1,145	1,001	-0.2	-12.6
Other States ¹	50,494	48,603	53,544	6.0	10.2
United States	65,454	64,954	69,338	5.9	6.7
Atlantic	15,059	14,291	14,167	-5.9	-0.9
Central	37,485	37,360	41,346	10.3	10.7
West	12,910	13,303	13,825	7.1	3.9

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.

Travis Averill, Chief, Livestock Branch	(202) 692-0069
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Sherry Bertramsen – Livestock Slaughter	(202) 690-8632
Ryan Cowen – Cattle, Cattle on Feed	(202) 720-3040
Kim DaPra – Milk Production and Milk Cows	(512) 501-3266
Donnie Fike – Dairy Products	(202) 690-3347
Ralph Mondesir – Hogs and Pigs	(202) 720-3106
Suzanne Richards – Sheep and Goats	(202) 720-4448

Access to NASS Reports

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- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov.
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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

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USDA Fall Data Users' Meeting

Virtual Meeting
October 15 & 16, 2024
Starting at 12:00 pm ET

USDA's National Agricultural Statistics Service (NASS) will hold a virtual meeting for users of U.S. domestic and international agriculture data. NASS is organizing the 2024 Fall Data Users' Meeting in cooperation with five other USDA agencies – Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Representatives will provide agency updates, answer questions, and listen to concerns from data users.

Abbreviated Agenda

Day 1 – October 15

Agency Updates– *All agencies*

2022 Census of Agriculture Results- *National Agricultural Statistics Service*

LMR Live Cattle Data Dashboard - *Agricultural Marketing Service*

Day 2 – October 16

Open Forum – *All agencies*

ERS' Cotton, Wool, and Textile Data: An Overview – *Economic Research Service*

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