



Dairy Products

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August 2021 Highlights

Total cheese output (excluding cottage cheese) was 1.14 billion pounds, 4.4 percent above August 2020 but 0.3 percent below July 2021.

Italian type cheese production totaled 485 million pounds, 8.8 percent above August 2020 and 0.3 percent above July 2021.

American type cheese production totaled 452 million pounds, 1.5 percent above August 2020 but 3.1 percent below July 2021.

Butter production was 148 million pounds, 1.7 percent below August 2020 and 1.5 percent below July 2021.

Dry milk products (comparisons in percentage with August 2020)

Nonfat dry milk, human - 122 million pounds, down 17.0 percent.

Skim milk powder - 60.5 million pounds, down 12.7 percent.

Whey products (comparisons in percentage with August 2020)

Dry whey, total - 76.2 million pounds, down 3.3 percent.

Lactose, human and animal - 90.6 million pounds, down 5.4 percent.

Whey protein concentrate, total - 37.6 million pounds, down 6.2 percent.

Frozen products (comparisons in percentage with August 2020)

Ice cream, regular (hard) - 63.8 million gallons, down 9.5 percent.

Ice cream, lowfat (total) - 42.0 million gallons, down 7.5 percent.

Sherbet (hard) - 2.37 million gallons, down 30.7 percent.

Frozen yogurt (total) - 2.89 million gallons, down 10.4 percent.

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Dairy Products Production by Product – United States: August 2020 and 2021

Product	August 2020	July 2021	August 2021	Change from	
				August 2020	July 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	150,921	150,625	148,359	-1.7	-1.5
Cheese					
American types ¹	445,137	466,236	451,933	1.5	-3.1
Cheddar	323,153	324,233	318,446	-1.5	-1.8
Other American types	121,984	142,003	133,487	9.4	-6.0
Blue and Gorgonzola	8,646	6,735	7,354	-14.9	9.2
Brick and Muenster	14,535	16,114	14,169	-2.5	-12.1
Cream and Neufchatel	91,402	79,928	94,108	3.0	17.7
Feta	13,765	14,112	14,140	2.7	0.2
Gouda	2,939	4,965	4,439	51.0	-10.6
Hispanic	28,119	30,231	28,373	0.9	-6.1
Italian types	445,538	483,375	484,847	8.8	0.3
Mozzarella	355,527	376,286	379,363	6.7	0.8
Parmesan	31,273	42,378	37,373	19.5	-11.8
Provolone	27,450	34,603	34,050	24.0	-1.6
Ricotta	21,249	16,619	21,268	0.1	28.0
Romano	3,926	5,799	5,104	30.0	-12.0
Other Italian types	6,113	7,690	7,689	25.8	-
Swiss	28,424	28,783	27,371	-3.7	-4.9
All other types	13,041	12,760	12,983	-0.4	1.7
Total cheese ²	1,091,546	1,143,239	1,139,717	4.4	-0.3
Cottage cheese, curd ³	31,733	32,013	31,399	-1.1	-1.9
Cottage cheese, cream ⁴	30,517	29,483	29,919	-2.0	1.5
Cottage cheese, lowfat ⁵	25,885	26,314	26,218	1.3	-0.4
Sour cream	117,149	121,354	122,074	4.2	0.6
Yogurt, plain and flavored	382,228	392,305	401,064	4.9	2.2
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	70,473	64,506	63,764	-9.5	-1.2
Ice cream, lowfat, hard	23,681	20,366	20,967	-11.5	3.0
Ice cream, lowfat, soft	21,690	23,736	21,000	-3.2	-11.5
Ice cream, lowfat, total ⁶	45,371	44,102	41,967	-7.5	-4.8
Ice cream, nonfat, hard	554	564	487	-12.1	-13.7
Sherbet, hard	3,416	2,856	2,368	-30.7	-17.1
Frozen yogurt, total	3,231	3,174	2,894	-10.4	-8.8
Regular and lowfat, hard	1,300	1,140	1,010	-22.3	-11.4
Nonfat, hard	389	315	342	-12.1	8.6
Other frozen dairy products	1,403	1,171	1,132	-19.3	-3.3
Water and juice ices	6,336	6,914	6,176	-2.5	-10.7
Mix for frozen products					
Ice cream, regular, mix	44,609	42,315	40,794	-8.6	-3.6
Ice cream, lowfat, mix ⁷	24,766	24,932	23,610	-4.7	-5.3
Ice cream, nonfat, mix	462	379	382	-17.3	0.8
Sherbet mix	2,302	2,138	1,914	-16.9	-10.5
Yogurt mix	1,846	1,557	1,770	-4.1	13.7

- Represents zero.

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 2020 and 2021**

Product	August 2020	July 2021	August 2021	Change from	
				August 2020	July 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	9,394	6,872	6,760	-28.0	-1.6
Dry whey products					
Dry whey, human	76,881	76,416	74,888	-2.6	-2.0
Dry whey, animal	1,839	4,678	1,264	-31.3	-73.0
Dry whey, total	78,720	81,094	76,152	-3.3	-6.1
Reduced lactose and minerals					
Human	1,062	1,867	1,566	47.5	-16.1
Animal	2,644	2,927	2,914	10.2	-0.4
Whey protein concentrate					
Human ²	39,681	38,854	36,266	-8.6	-6.7
Animal ²	380	967	1,293	240.3	33.7
Total ²	40,061	39,821	37,559	-6.2	-5.7
25.0-49.9 percent ³	14,742	13,308	11,875	-19.4	-10.8
50.0-89.9 percent ³	25,319	26,513	25,684	1.4	-3.1
Whey protein isolates ⁴	9,208	10,867	10,558	14.7	-2.8
Lactose, human and animal	95,837	98,099	90,644	-5.4	-7.6
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	87,023	65,380	66,534	-23.5	1.8
Dry whey, animal	1,010	1,625	1,586	57.0	-2.4
Dry whey, total	88,033	67,005	68,120	-22.6	1.7
Reduced Lactose and minerals					
Human and animal ⁶	6,565	7,209	6,653	1.3	-7.7
Whey protein concentrate					
Human ²	66,683	61,841	61,071	-8.4	-1.2
Animal ²	643	2,169	1,568	143.9	-27.7
Total ²	67,326	64,010	62,639	-7.0	-2.1
25.0-49.9 percent ³	24,905	25,809	23,682	-4.9	-8.2
50.0-89.9 percent ³	42,421	38,201	38,957	-8.2	2.0
Whey protein isolates ⁴	16,173	12,448	11,930	-26.2	-4.2
Lactose, human and animal	107,746	130,436	139,327	29.3	6.8
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	21.0	13.7	31.6	10.6	17.9

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 2020 and 2021**

Product	August 2020	July 2021	August 2021	Change from	
				August 2020	July 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	115,346	112,292	96,094	-16.7	-14.4
Dry milk products					
Dry buttermilk, total	7,967	9,210	7,694	-3.4	-16.5
Dry skim milk, animal	1,017	1,059	741	-27.1	-30.0
Dry whole milk	10,195	11,974	11,017	8.1	-8.0
Milk protein concentrate, total ¹	11,976	11,737	11,770	-1.7	0.3
Nonfat dry milk, human	147,194	157,662	122,098	-17.0	-22.6
Skim milk powder, total ²	69,232	51,215	60,470	-12.7	18.1
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	20,708	21,505	18,903	-8.7	-12.1
Dry skim milk, animal	9,889	9,204	9,423	-4.7	2.4
Dry whole milk	11,020	19,817	20,633	87.2	4.1
Nonfat dry milk, human	276,884	312,743	284,569	2.8	-9.0
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	175,472	172,693	158,602	-9.6	-8.2

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: 2020 and 2021

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

Product and month	Monthly			Cumulative		
	2020	2021	Change from 2020	2020	2021	Change from 2020
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,124,768	1,135,567	1.0	1,124,768	1,135,567	1.0
February	1,032,907	1,043,505	1.0	2,157,675	2,179,072	1.0
March	1,121,446	1,175,989	4.9	3,279,121	3,355,061	2.3
April	1,051,959	1,135,900	8.0	4,331,080	4,490,961	3.7
May	1,101,211	1,157,550	5.1	5,432,291	5,648,511	4.0
June	1,121,598	1,121,555	-	6,553,889	6,770,066	3.3
July	1,110,115	1,143,239	3.0	7,664,004	7,913,305	3.3
August	1,091,546	1,139,717	4.4	8,755,550	9,053,022	3.4
September	1,104,235			9,859,785		
October	1,136,863			10,996,648		
November	1,102,292			12,098,940		
December	1,154,483			13,253,423		
Total American cheese types ²						
January	442,207	474,315	7.3	442,207	474,315	7.3
February	414,155	426,094	2.9	856,362	900,409	5.1
March	446,423	476,720	6.8	1,302,785	1,377,129	5.7
April	446,525	472,424	5.8	1,749,310	1,849,553	5.7
May	441,148	478,522	8.5	2,190,458	2,328,075	6.3
June	431,782	453,428	5.0	2,622,240	2,781,503	6.1
July	453,096	466,236	2.9	3,075,336	3,247,739	5.6
August	445,137	451,933	1.5	3,520,473	3,699,672	5.1
September	432,114			3,952,587		
October	460,217			4,412,804		
November	449,783			4,862,587		
December	474,946			5,337,533		
Cheddar cheese						
January	323,344	346,949	7.3	323,344	346,949	7.3
February	296,659	300,535	1.3	620,003	647,484	4.4
March	314,114	333,787	6.3	934,117	981,271	5.0
April	330,119	334,079	1.2	1,264,236	1,315,350	4.0
May	315,704	345,978	9.6	1,579,940	1,661,328	5.2
June	302,960	326,915	7.9	1,882,900	1,988,243	5.6
July	322,775	324,233	0.5	2,205,675	2,312,476	4.8
August	323,153	318,446	-1.5	2,528,828	2,630,922	4.0
September	303,253			2,832,081		
October	325,354			3,157,435		
November	321,553			3,478,988		
December	349,162			3,828,150		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2020 and 2021 (continued)

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

Product and month	Monthly			Cumulative		
	2020	2021	Change from 2020	2020	2021	Change from 2020
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	488,692	481,029	-1.6	488,692	481,029	-1.6
February	445,765	443,254	-0.6	934,457	924,283	-1.1
March	485,546	502,468	3.5	1,420,003	1,426,751	0.5
April	447,648	481,988	7.7	1,867,651	1,908,739	2.2
May	482,323	481,370	-0.2	2,349,974	2,390,109	1.7
June	485,761	470,553	-3.1	2,835,735	2,860,662	0.9
July	454,998	483,375	6.2	3,290,733	3,344,037	1.6
August	445,538	484,847	8.8	3,736,271	3,828,884	2.5
September	469,823			4,206,094		
October	473,294			4,679,388		
November	454,904			5,134,292		
December	490,878			5,625,170		
Mozzarella						
January	384,730	374,948	-2.5	384,730	374,948	-2.5
February	352,735	345,504	-2.0	737,465	720,452	-2.3
March	386,397	392,357	1.5	1,123,862	1,112,809	-1.0
April	353,043	376,809	6.7	1,476,905	1,489,618	0.9
May	379,446	376,774	-0.7	1,856,351	1,866,392	0.5
June	389,307	369,194	-5.2	2,245,658	2,235,586	-0.4
July	364,832	376,286	3.1	2,610,490	2,611,872	0.1
August	355,527	379,363	6.7	2,966,017	2,991,235	0.9
September	371,610			3,337,627		
October	371,411			3,709,038		
November	358,817			4,067,855		
December	382,737			4,450,592		
Other Italian cheese types						
January	6,867	6,284	-8.5	6,867	6,284	-8.5
February	5,943	6,180	4.0	12,810	12,464	-2.7
March	6,739	7,108	5.5	19,549	19,572	0.1
April	5,152	6,549	27.1	24,701	26,121	5.7
May	6,572	6,792	3.3	31,273	32,913	5.2
June	6,095	7,609	24.8	37,368	40,522	8.4
July	5,353	7,690	43.7	42,721	48,212	12.9
August	6,113	7,689	25.8	48,834	55,901	14.5
September	6,869			55,703		
October	6,723			62,426		
November	6,653			69,079		
December	6,781			75,860		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2020 and 2021 (continued)

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

Product and month	Monthly			Cumulative		
	2020	2021	Change from 2020	2020	2021	Change from 2020
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	204,937	209,630	2.3	204,937	209,630	2.3
February	194,746	186,304	-4.3	399,683	395,934	-0.9
March	200,040	198,920	-0.6	599,723	594,854	-0.8
April	227,200	183,851	-19.1	826,923	778,705	-5.8
May	172,343	184,894	7.3	999,266	963,599	-3.6
June	149,135	160,335	7.5	1,148,401	1,123,934	-2.1
July	152,947	150,625	-1.5	1,301,348	1,274,559	-2.1
August	150,921	148,359	-1.7	1,452,269	1,422,918	-2.0
September	150,709			1,602,978		
October	161,980			1,764,958		
November	172,899			1,937,857		
December	207,529			2,145,386		
Nonfat dry milk, human						
January	184,097	198,025	7.6	184,097	198,025	7.6
February	174,749	183,614	5.1	358,846	381,639	6.4
March	173,665	199,307	14.8	532,511	580,946	9.1
April	202,632	194,262	-4.1	735,143	775,208	5.4
May	157,236	205,427	30.6	892,379	980,635	9.9
June	154,033	187,018	21.4	1,046,412	1,167,653	11.6
July	166,138	157,662	-5.1	1,212,550	1,325,315	9.3
August	147,194	122,098	-17.0	1,359,744	1,447,413	6.4
September	126,249			1,485,993		
October	141,255			1,627,248		
November	155,435			1,782,683		
December	208,252			1,990,935		
Skim milk powder, total ³						
January	41,232	35,992	-12.7	41,232	35,992	-12.7
February	38,751	31,639	-18.4	79,983	67,631	-15.4
March	55,841	39,638	-29.0	135,824	107,269	-21.0
April	51,611	46,966	-9.0	187,435	154,235	-17.7
May	56,669	35,704	-37.0	244,104	189,939	-22.2
June	60,519	43,452	-28.2	304,623	233,391	-23.4
July	61,369	51,215	-16.5	365,992	284,606	-22.2
August	69,232	60,470	-12.7	435,224	345,076	-20.7
September	81,084			516,308		
October	63,309			579,617		
November	64,961			644,578		
December	50,648			695,226		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2020 and 2021 (continued)

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

Product and month	Monthly			Cumulative		
	2020	2021	Change from 2020	2020	2021	Change from 2020
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	85,353	83,988	-1.6	85,353	83,988	-1.6
February	77,137	75,323	-2.4	162,490	159,311	-2.0
March	83,482	79,609	-4.6	245,972	238,920	-2.9
April	75,824	74,694	-1.5	321,796	313,614	-2.5
May	84,109	77,738	-7.6	405,905	391,352	-3.6
June	81,713	71,356	-12.7	487,618	462,708	-5.1
July	82,616	81,094	-1.8	570,234	543,802	-4.6
August	78,720	76,152	-3.3	648,954	619,954	-4.5
September	76,954			725,908		
October	75,148			801,056		
November	68,652			869,708		
December	81,301			951,009		
Lactose, human and animal						
January	84,665	93,798	10.8	84,665	93,798	10.8
February	84,265	79,123	-6.1	168,930	172,921	2.4
March	94,831	99,375	4.8	263,761	272,296	3.2
April	88,674	91,508	3.2	352,435	363,804	3.2
May	90,928	95,288	4.8	443,363	459,092	3.5
June	102,804	94,642	-7.9	546,167	553,734	1.4
July	99,916	98,099	-1.8	646,083	651,833	0.9
August	95,837	90,644	-5.4	741,920	742,477	0.1
September	93,454			835,374		
October	86,843			922,217		
November	85,542			1,007,759		
December	95,013			1,102,772		
Whey protein concentrate, total						
January	41,350	43,800	5.9	41,350	43,800	5.9
February	35,487	37,512	5.7	76,837	81,312	5.8
March	40,094	42,286	5.5	116,931	123,598	5.7
April	37,341	39,159	4.9	154,272	162,757	5.5
May	39,074	42,393	8.5	193,346	205,150	6.1
June	40,189	38,328	-4.6	233,535	243,478	4.3
July	39,655	39,821	0.4	273,190	283,299	3.7
August	40,061	37,559	-6.2	313,251	320,858	2.4
September	40,988			354,239		
October	40,971			395,210		
November	39,311			434,521		
December	43,137			477,658		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2020 and 2021 (continued)

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

Product and month	Monthly			Cumulative		
	2020	2021	Change from 2020	2020	2021	Change from 2020
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	27,957	26,622	-4.8	27,957	26,622	-4.8
February	26,723	27,470	2.8	54,680	54,092	-1.1
March	31,391	31,376	-	86,071	85,468	-0.7
April	31,530	27,227	-13.6	117,601	112,695	-4.2
May	31,032	28,246	-9.0	148,633	140,941	-5.2
June	29,649	28,923	-2.4	178,282	169,864	-4.7
July	31,016	29,483	-4.9	209,298	199,347	-4.8
August	30,517	29,919	-2.0	239,815	229,266	-4.4
September	33,831			273,646		
October	32,294			305,940		
November	27,508			333,448		
December	29,258			362,706		
Cottage cheese, lowfat						
January	26,533	24,428	-7.9	26,533	24,428	-7.9
February	24,575	24,271	-1.2	51,108	48,699	-4.7
March	27,979	28,722	2.7	79,087	77,421	-2.1
April	26,753	25,170	-5.9	105,840	102,591	-3.1
May	24,688	24,261	-1.7	130,528	126,852	-2.8
June	24,951	24,447	-2.0	155,479	151,299	-2.7
July	27,393	26,314	-3.9	182,872	177,613	-2.9
August	25,885	26,218	1.3	208,757	203,831	-2.4
September	26,719			235,476		
October	27,540			263,016		
November	22,228			285,244		
December	23,495			308,739		
Sour cream						
January	120,042	115,248	-4.0	120,042	115,248	-4.0
February	104,435	113,749	8.9	224,477	228,997	2.0
March	115,545	133,250	15.3	340,022	362,247	6.5
April	110,956	119,400	7.6	450,978	481,647	6.8
May	135,931	120,542	-11.3	586,909	602,189	2.6
June	121,733	123,718	1.6	708,642	725,907	2.4
July	112,681	121,354	7.7	821,323	847,261	3.2
August	117,149	122,074	4.2	938,472	969,335	3.3
September	120,885			1,059,357		
October	138,408			1,197,765		
November	130,353			1,328,118		
December	132,789			1,460,907		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2020 and 2021 (continued)

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

Product and month	Monthly			Cumulative		
	2020	2021	Change from 2020	2020	2021	Change from 2020
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	54,775	56,990	4.0	54,775	56,990	4.0
February	55,045	55,630	1.1	109,820	112,620	2.5
March	64,287	70,028	8.9	174,107	182,648	4.9
April	63,439	67,955	7.1	237,546	250,603	5.5
May	64,598	61,173	-5.3	302,144	311,776	3.2
June	72,777	67,019	-7.9	374,921	378,795	1.0
July	73,592	64,506	-12.3	448,513	443,301	-1.2
August	70,473	63,764	-9.5	518,986	507,065	-2.3
September	68,194			587,180		
October	63,264			650,444		
November	54,826			705,270		
December	53,441			758,711		
Ice cream, lowfat total						
January	33,533	30,737	-8.3	33,533	30,737	-8.3
February	37,999	33,507	-11.8	71,532	64,244	-10.2
March	42,867	44,486	3.8	114,399	108,730	-5.0
April	39,368	41,177	4.6	153,767	149,907	-2.5
May	45,133	44,880	-0.6	198,900	194,787	-2.1
June	47,269	44,076	-6.8	246,169	238,863	-3.0
July	45,547	44,102	-3.2	291,716	282,965	-3.0
August	45,371	41,967	-7.5	337,087	324,932	-3.6
September	41,756			378,843		
October	38,173			417,016		
November	33,279			450,295		
December	32,167			482,462		
Sherbet, hard						
January	2,386	2,666	11.7	2,386	2,666	11.7
February	2,840	2,605	-8.3	5,226	5,271	0.9
March	2,721	2,559	-6.0	7,947	7,830	-1.5
April	2,425	2,797	15.3	10,372	10,627	2.5
May	2,328	2,334	0.3	12,700	12,961	2.1
June	3,246	2,678	-17.5	15,946	15,639	-1.9
July	3,210	2,856	-11.0	19,156	18,495	-3.5
August	3,416	2,368	-30.7	22,572	20,863	-7.6
September	2,962			25,534		
October	2,882			28,416		
November	2,300			30,716		
December	2,816			33,532		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2020 and 2021 (continued)

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

Product and month	Monthly			Cumulative		
	2020	2021	Change from 2020	2020	2021	Change from 2020
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	355,942	385,594	8.3	355,942	385,594	8.3
February	380,263	381,121	0.2	736,205	766,715	4.1
March	438,213	442,886	1.1	1,174,418	1,209,601	3.0
April	361,848	413,835	14.4	1,536,266	1,623,436	5.7
May	373,099	388,759	4.2	1,909,365	2,012,195	5.4
June	398,683	385,738	-3.2	2,308,048	2,397,933	3.9
July	365,149	392,305	7.4	2,673,197	2,790,238	4.4
August	382,228	401,064	4.9	3,055,425	3,191,302	4.4
September	391,449			3,446,874		
October	386,630			3,833,504		
November	326,611			4,160,115		
December	358,291			4,518,406		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	2,818	3,804	35.0	2,818	3,804	35.0
February	3,223	4,101	27.2	6,041	7,905	30.9
March	3,602	3,153	-12.5	9,643	11,058	14.7
April	2,570	2,431	-5.4	12,213	13,489	10.4
May	2,623	2,318	-11.6	14,836	15,807	6.5
June	3,440	3,400	-1.2	18,276	19,207	5.1
July	3,564	3,174	-10.9	21,840	22,381	2.5
August	3,231	2,894	-10.4	25,071	25,275	0.8
September	3,156			28,227		
October	2,483			30,710		
November	2,130			32,840		
December	2,636			35,476		

- Represents zero.

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 2020 and 2021**

State and region	August 2020	July 2021	August 2021	Change from	
				August 2020	July 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	191,418	202,882	201,690	5.4	-0.6
Idaho	81,415	86,145	77,976	-4.2	-9.5
Illinois	5,102	5,442	5,327	4.4	-2.1
Iowa	30,750	28,711	27,782	-9.7	-3.2
Minnesota	61,680	65,297	61,779	0.2	-5.4
New Jersey	4,819	4,703	4,937	2.4	5.0
New Mexico	78,951	80,130	79,304	0.4	-1.0
New York	72,196	63,389	72,556	0.5	14.5
Ohio	21,272	20,630	20,373	-4.2	-1.2
Oregon	18,894	18,990	19,051	0.8	0.3
Pennsylvania	37,506	34,490	37,031	-1.3	7.4
South Dakota	36,950	42,844	40,700	10.1	-5.0
Vermont	12,622	11,494	12,100	-4.1	5.3
Wisconsin	279,800	291,752	294,027	5.1	0.8
Other States ¹	158,171	186,340	185,084	17.0	-0.7
United States	1,091,546	1,143,239	1,139,717	4.4	-0.3
Atlantic	139,211	125,981	138,749	-0.3	10.1
Central	510,288	557,278	549,886	7.8	-1.3
West	442,047	459,980	451,082	2.0	-1.9

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 2020 and 2021

State and region	August 2020	July 2021	August 2021	Change from	
				August 2020	July 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	48,308	45,774	46,215	-4.3	1.0
Idaho	55,032	50,360	48,923	-11.1	-2.9
Iowa	18,421	14,736	14,179	-23.0	-3.8
Minnesota	53,260	54,183	50,874	-4.5	-6.1
New York	11,246	12,112	11,170	-0.7	-7.8
Oregon	18,774	18,891	18,932	0.8	0.2
Wisconsin	86,487	92,078	89,000	2.9	-3.3
Other States ¹	153,609	178,102	172,640	12.4	-3.1
United States	445,137	466,236	451,933	1.5	-3.1
Atlantic	27,384	28,029	26,905	-1.7	-4.0
Central	221,406	250,614	237,647	7.3	-5.2
West	196,347	187,593	187,381	-4.6	-0.1

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 2020 and 2021

State and region	August 2020	July 2021	August 2021	Change from	
				August 2020	July 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	24,172	21,935	21,648	-10.4	-1.3
Iowa	11,059	8,121	7,946	-28.1	-2.2
Minnesota	51,914	52,847	49,539	-4.6	-6.3
Oregon	15,974	15,442	16,089	0.7	4.2
Vermont	8,209	8,108	8,307	1.2	2.5
Wisconsin	60,331	63,727	59,900	-0.7	-6.0
Other States ¹	151,494	154,053	155,017	2.3	0.6
United States	323,153	324,233	318,446	-1.5	-1.8
Atlantic	25,793	26,266	25,884	0.4	-1.5
Central	155,367	172,010	166,385	7.1	-3.3
West	141,993	125,957	126,177	-11.1	0.2

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 2020 and 2021

State and region	August 2020	July 2021	August 2021	Change from	
				August 2020	July 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	122,993	135,669	135,746	10.4	0.1
Idaho	21,561	29,807	24,080	11.7	-19.2
Minnesota	8,217	10,789	10,589	28.9	-1.9
New Jersey	2,506	2,353	2,365	-5.6	0.5
New York	29,429	23,456	28,867	-1.9	23.1
Pennsylvania	21,870	22,886	23,166	5.9	1.2
Wisconsin	129,058	141,646	141,048	9.3	-0.4
Other States ¹	109,904	116,769	118,986	8.3	1.9
United States	445,538	483,375	484,847	8.8	0.3
Atlantic	58,931	53,235	59,525	1.0	11.8
Central	182,581	204,053	204,715	12.1	0.3
West	204,026	226,087	220,607	8.1	-2.4

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: August 2020 and 2021

State and region	August 2020	July 2021	August 2021	Change from	
				August 2020	July 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	114,627	122,593	124,943	9.0	1.9
Idaho	21,331	29,140	23,408	9.7	-19.7
New York	14,427	11,844	13,060	-9.5	10.3
Pennsylvania	17,766	18,339	19,104	7.5	4.2
Wisconsin	86,816	90,425	92,900	7.0	2.7
Other States ¹	100,560	103,945	105,948	5.4	1.9
United States	355,527	376,286	379,363	6.7	0.8
Atlantic	36,903	34,295	36,831	-0.2	7.4
Central	124,493	130,556	134,579	8.1	3.1
West	194,131	211,435	207,953	7.1	-1.6

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 2020 and 2021

State and region	August 2020	July 2021	August 2021	Change from	
				August 2020	July 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	50,395	49,255	51,325	1.8	4.2
New York	1,066	150	770	-27.8	413.3
Pennsylvania	7,588	6,466	7,330	-3.4	13.4
Other States ¹	91,872	94,754	88,934	-3.2	-6.1
United States	150,921	150,625	148,359	-1.7	-1.5
Atlantic	12,054	9,807	11,126	-7.7	13.4
Central	54,272	60,159	55,263	1.8	-8.1
West	84,595	80,659	81,970	-3.1	1.6

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 2020 and 2021

State and region	August 2020	July 2021	August 2021	Change from	
				August 2020	July 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	47,211	50,865	37,321	-20.9	-26.6
Pennsylvania	13,678	15,058	13,415	-1.9	-10.9
Other States ¹	86,305	91,739	71,362	-17.3	-22.2
United States	147,194	157,662	122,098	-17.0	-22.6
Atlantic	26,171	31,510	26,069	-0.4	-17.3
Central	34,793	42,338	28,347	-18.5	-33.0
West	86,230	83,814	67,682	-21.5	-19.2

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 2020 and 2021

State and region	August 2020	July 2021	August 2021	Change from	
				August 2020	July 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	12,420	13,111	12,179	-1.9	-7.1
Wisconsin	22,102	24,850	24,108	9.1	-3.0
Other States ¹	42,359	38,455	38,601	-8.9	0.4
United States	76,881	76,416	74,888	-2.6	-2.0
Atlantic	22,280	23,674	23,040	3.4	-2.7
Central	32,469	36,103	34,691	6.8	-3.9
West	22,132	16,639	17,157	-22.5	3.1

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: August 2020 and 2021

State and region	August 2020	July 2021	August 2021	Change from	
				August 2020	July 2021
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	6,289	8,003	7,093	12.8	-11.4
Connecticut	1,380	1,523	1,496	8.4	-1.8
Missouri	3,113	2,663	2,629	-15.5	-1.3
New York	2,477	2,413	2,002	-19.2	-17.0
Ohio	2,801	2,498	2,530	-9.7	1.3
Oregon	1,110	979	993	-10.5	1.4
Pennsylvania	4,034	3,707	3,400	-15.7	-8.3
Tennessee	2,250	2,033	2,019	-10.3	-0.7
Utah	3,544	1,222	1,169	-67.0	-4.3
Wisconsin	959	807	762	-20.5	-5.6
Other States ¹	42,516	38,658	39,671	-6.7	2.6
United States	70,473	64,506	63,764	-9.5	-1.2
Atlantic	16,359	15,816	14,440	-11.7	-8.7
Central	41,188	36,905	38,266	-7.1	3.7
West	12,926	11,785	11,058	-14.5	-6.2

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 2020, there were 1,242 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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Sherry Bertramsen – Livestock Slaughter	(202) 690-8632
Ryan Cowen – Cattle, Cattle on Feed	(202) 720-3040
Anthony Fischer – Hogs and Pigs	(202) 720-3106
Logan Hartley-Sanguinett – Sheep and Goats	(202) 690-3236
Mike Miller – Milk Production and Milk Cows	(202) 720-3278
Suzanne Richards – Dairy Products	(202) 720-4448

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

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

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

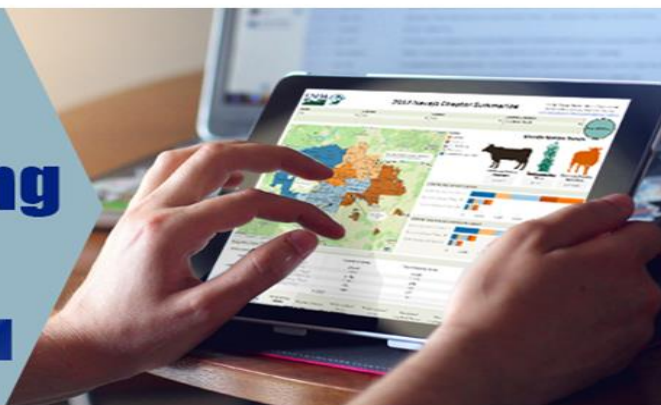
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2021 USDA Fall Virtual Data Users' Meeting

Oct. 13 & 14, 2021

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USDA Fall Data Users' Meeting

**October 13 & 14, 2021
12:00 p.m. – 3:00 p.m. ET**

Registration information coming soon.