



# Dairy Products

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## August 2020 Highlights

**Total cheese** output (excluding cottage cheese) was 1.09 billion pounds, 2.1 percent below August 2019 and 1.6 percent below July 2020.

**Italian type cheese** production totaled 449 million pounds, 3.9 percent below August 2019 and 1.2 percent below July 2020.

**American type cheese** production totaled 446 million pounds, 1.3 percent below August 2019 and 1.9 percent below July 2020.

**Butter** production was 152 million pounds, 7.8 percent above August 2019 but 1.6 percent below July 2020.

### **Dry milk products** (comparisons in percentage with August 2019)

Nonfat dry milk, human - 144 million pounds, up 8.8 percent.

Skim milk powder - 59.6 million pounds, down 2.0 percent.

### **Whey products** (comparisons in percentage with August 2019)

Dry whey, total - 80.3 million pounds, down 5.4 percent.

Lactose, human and animal - 97.2 million pounds, up 2.3 percent.

Whey protein concentrate, total - 39.2 million pounds, down 1.7 percent.

### **Frozen products** (comparisons in percentage with August 2019)

Ice cream, regular (hard) - 69.1 million gallons, up 7.6 percent.

Ice cream, lowfat (total) - 45.1 million gallons, up 7.2 percent.

Sherbet (hard) - 3.38 million gallons, up 42.0 percent.

Frozen yogurt (total) - 8.13 million gallons, up 2.0 percent.

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## Dairy Products Production by Product – United States: August 2019 and 2020

Product	August 2019	July 2020	August 2020	Change from	
				August 2019	July 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	141,323	154,883	152,331	7.8	-1.6
<b>Cheese</b>					
American types <sup>1</sup> .....	452,030	454,712	446,048	-1.3	-1.9
Cheddar .....	321,190	323,991	322,852	0.5	-0.4
Other American types .....	130,840	130,721	123,196	-5.8	-5.8
Blue and Gorgonzola .....	8,387	7,648	8,566	2.1	12.0
Brick and Muenster .....	15,723	17,450	14,228	-9.5	-18.5
Cream and Neufchatel .....	85,171	90,825	90,538	6.3	-0.3
Feta .....	10,948	9,404	9,101	-16.9	-3.2
Gouda .....	5,192	4,099	2,937	-43.4	-28.3
Hispanic .....	27,679	29,080	28,550	3.1	-1.8
Italian types .....	466,578	453,813	448,507	-3.9	-1.2
Mozzarella .....	370,384	365,266	354,177	-4.4	-3.0
Parmesan .....	32,410	29,433	32,197	-0.7	9.4
Provolone .....	33,216	30,960	30,768	-7.4	-0.6
Ricotta .....	19,418	18,576	21,205	9.2	14.2
Romano .....	4,007	4,279	4,114	2.7	-3.9
Other Italian types .....	7,143	5,299	6,046	-15.4	14.1
Swiss .....	28,896	26,751	28,650	-0.9	7.1
All other types .....	13,042	13,851	12,726	-2.4	-8.1
<b>Total cheese</b> <sup>2</sup> .....	<b>1,113,646</b>	<b>1,107,633</b>	<b>1,089,851</b>	<b>-2.1</b>	<b>-1.6</b>
Cottage cheese, curd <sup>3</sup> .....	34,227	34,209	33,076	-3.4	-3.3
Cottage cheese, cream <sup>4</sup> .....	31,495	32,769	32,034	1.7	-2.2
Cottage cheese, lowfat <sup>5</sup> .....	29,747	28,793	27,560	-7.4	-4.3
Sour cream .....	119,252	113,206	117,604	-1.4	3.9
Yogurt, plain and flavored .....	377,322	365,970	382,711	1.4	4.6
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	64,242	71,669	69,145	7.6	-3.5
Ice cream, lowfat, hard .....	20,596	22,892	23,499	14.1	2.7
Ice cream, lowfat, soft .....	21,425	24,777	21,567	0.7	-13.0
Ice cream, lowfat, total <sup>6</sup> .....	42,021	47,669	45,066	7.2	-5.5
Ice cream, nonfat, hard .....	600	514	610	1.7	18.7
Sherbet, hard .....	2,382	3,037	3,383	42.0	11.4
Frozen yogurt, total .....	7,963	5,619	8,126	2.0	44.6
Regular and lowfat, hard .....	1,216	1,074	1,199	-1.4	11.6
Nonfat, hard .....	300	461	370	23.3	-19.7
Other frozen dairy products .....	1,116	1,254	1,430	28.1	14.0
Water and juice ices .....	6,978	7,147	6,588	-5.6	-7.8
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	38,739	49,201	47,250	22.0	-4.0
Ice cream, lowfat, mix <sup>7</sup> .....	21,652	26,885	25,282	16.8	-6.0
Ice cream, nonfat, mix .....	437	423	489	11.9	15.6
Sherbet mix .....	1,656	2,430	2,424	46.4	-0.2
Yogurt mix .....	2,357	2,463	2,272	-3.6	-7.8

<sup>1</sup> Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

<sup>2</sup> Excludes Cottage Cheese.

<sup>3</sup> Mostly used for processing into cream or lowfat cottage cheese.

<sup>4</sup> Fat content 4 percent or more.

<sup>5</sup> Fat content less than 4 percent.

<sup>6</sup> Includes freezer-made milkshake.

<sup>7</sup> Includes milkshake mix.

**Whey and Modified Whey Products Production, Stocks, and Prices – United States:  
August 2019 and 2020**

Product	August 2019	July 2020	August 2020	Change from	
				August 2019	July 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	9,816	6,575	6,894	-29.8	4.9
Dry whey products					
Dry whey, human .....	83,767	82,932	78,919	-5.8	-4.8
Dry whey, animal .....	1,130	1,894	1,424	26.0	-24.8
Dry whey, total .....	84,897	84,826	80,343	-5.4	-5.3
Reduced lactose and minerals					
Human .....	1,725	1,920	1,822	5.6	-5.1
Animal .....	2,695	2,452	2,650	-1.7	8.1
Whey protein concentrate					
Human <sup>2</sup> .....	38,590	38,758	38,272	-0.8	-1.3
Animal <sup>2</sup> .....	1,313	842	944	-28.1	12.1
Total <sup>2</sup> .....	39,903	39,600	39,216	-1.7	-1.0
25.0-49.9 percent <sup>3</sup> .....	14,648	14,402	14,402	-1.7	-
50.0-89.9 percent <sup>3</sup> .....	25,255	25,198	24,814	-1.7	-1.5
Whey protein isolates <sup>4</sup> .....	9,423	9,883	10,220	8.5	3.4
Lactose, human and animal .....	95,074	100,628	97,231	2.3	-3.4
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	70,615	82,875	84,476	19.6	1.9
Dry whey, animal .....	1,998	1,655	1,324	-33.7	-20.0
Dry whey, total .....	72,613	84,530	85,800	18.2	1.5
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	5,097	5,318	5,375	5.5	1.1
Whey protein concentrate					
Human <sup>2</sup> .....	59,506	66,677	67,229	13.0	0.8
Animal <sup>2</sup> .....	1,144	1,093	1,366	19.4	25.0
Total <sup>2</sup> .....	60,650	67,770	68,595	13.1	1.2
25.0-49.9 percent <sup>3</sup> .....	21,309	26,285	26,747	25.5	1.8
50.0-89.9 percent <sup>3</sup> .....	39,341	41,485	41,848	6.4	0.9
Whey protein isolates <sup>4</sup> .....	19,229	17,877	16,470	-14.3	-7.9
Lactose, human and animal .....	113,736	98,228	107,119	-5.8	9.1
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	19.6	20.5	18.3	-1.4	-2.2

- Represents zero.

<sup>1</sup> 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.

<sup>2</sup> Whey protein concentrate, 25.0 to 89.9 percent.

<sup>3</sup> Whey protein concentrate, human and animal.

<sup>4</sup> Whey protein isolate, 90.0 percent or greater.

<sup>5</sup> Stocks held by manufacturers at all points and in transit.

<sup>6</sup> Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

<sup>7</sup> 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 2019 and 2020**

Product	August 2019	July 2020	August 2020	Change from	
				August 2019	July 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	116,361	122,112	117,971	1.4	-3.4
Dry milk products					
Dry buttermilk, total .....	8,047	9,011	8,363	3.9	-7.2
Dry skim milk, animal .....	717	720	926	29.1	28.6
Dry whole milk .....	7,652	10,215	10,125	32.3	-0.9
Milk protein concentrate, total <sup>1</sup> .....	9,049	18,070	12,805	41.5	-29.1
Nonfat dry milk, human .....	132,525	163,198	144,162	8.8	-11.7
Skim milk powder, total <sup>2</sup> .....	60,768	51,220	59,581	-2.0	16.3
<b>Manufacturers' stocks end-of-month</b> <sup>3</sup>					
Dry milk products					
Dry buttermilk, total .....	13,819	24,006	21,597	56.3	-10.0
Dry skim milk, animal .....	3,628	9,159	9,859	171.7	7.6
Dry whole milk .....	24,953	11,166	11,020	-55.8	-1.3
Nonfat dry milk, human .....	269,590	311,252	270,632	0.4	-13.1
<b>Manufacturers' shipments</b> <sup>4</sup>					
Dry milk products					
Nonfat dry milk, human .....	143,556	137,955	178,056	24.0	29.1

<sup>1</sup> Dry milk protein concentrate, 40-89.9 percent.

<sup>2</sup> Includes protein standardized and blends.

<sup>3</sup> Stocks held by manufacturers at all points and in transit.

<sup>4</sup> For dry products, shipments of bulk goods.

## Dairy Products Production by Product and Month – United States: 2019 and 2020

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Total cheese <sup>1</sup></b>						
January .....	1,116,577	1,110,515	-0.5	1,116,577	1,110,515	-0.5
February .....	1,003,696	1,031,672	2.8	2,120,273	2,142,187	1.0
March .....	1,122,414	1,124,028	0.1	3,242,687	3,266,215	0.7
April .....	1,085,010	1,063,753	-2.0	4,327,697	4,329,968	0.1
May .....	1,105,886	1,101,005	-0.4	5,433,583	5,430,973	-
June .....	1,067,702	1,111,446	4.1	6,501,285	6,542,419	0.6
July .....	1,087,602	1,107,633	1.8	7,588,887	7,650,052	0.8
August .....	1,113,646	1,089,851	-2.1	8,702,533	8,739,903	0.4
September .....	1,080,526			9,783,059		
October .....	1,138,241			10,921,300		
November .....	1,093,397			12,014,697		
December .....	1,122,546			13,137,243		
<b>Total American cheese types <sup>2</sup></b>						
January .....	451,964	437,451	-3.2	451,964	437,451	-3.2
February .....	399,112	418,605	4.9	851,076	856,056	0.6
March .....	442,723	450,058	1.7	1,293,799	1,306,114	1.0
April .....	430,539	447,044	3.8	1,724,338	1,753,158	1.7
May .....	443,683	442,282	-0.3	2,168,021	2,195,440	1.3
June .....	427,638	436,406	2.1	2,595,659	2,631,846	1.4
July .....	434,449	454,712	4.7	3,030,108	3,086,558	1.9
August .....	452,030	446,048	-1.3	3,482,138	3,532,606	1.4
September .....	415,687			3,897,825		
October .....	445,601			4,343,426		
November .....	432,438			4,775,864		
December .....	456,378			5,232,242		
<b>Cheddar cheese</b>						
January .....	336,801	319,240	-5.2	336,801	319,240	-5.2
February .....	289,258	302,408	4.5	626,059	621,648	-0.7
March .....	315,229	318,292	1.0	941,288	939,940	-0.1
April .....	306,510	330,891	8.0	1,247,798	1,270,831	1.8
May .....	321,122	317,737	-1.1	1,568,920	1,588,568	1.3
June .....	307,403	309,012	0.5	1,876,323	1,897,580	1.1
July .....	305,911	323,991	5.9	2,182,234	2,221,571	1.8
August .....	321,190	322,852	0.5	2,503,424	2,544,423	1.6
September .....	284,142			2,787,566		
October .....	309,584			3,097,150		
November .....	309,223			3,406,373		
December .....	330,369			3,736,742		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Total Italian cheese types</b>						
January .....	483,211	485,398	0.5	483,211	485,398	0.5
February .....	440,425	448,190	1.8	923,636	933,588	1.1
March .....	493,275	486,865	-1.3	1,416,911	1,420,453	0.2
April .....	475,467	451,068	-5.1	1,892,378	1,871,521	-1.1
May .....	474,522	480,614	1.3	2,366,900	2,352,135	-0.6
June .....	461,688	477,058	3.3	2,828,588	2,829,193	-
July .....	463,865	453,813	-2.2	3,292,453	3,283,006	-0.3
August .....	466,578	448,507	-3.9	3,759,031	3,731,513	-0.7
September .....	470,642			4,229,673		
October .....	485,559			4,715,232		
November .....	471,962			5,187,194		
December .....	483,331			5,670,525		
<b>Mozzarella</b>						
January .....	381,103	381,983	0.2	381,103	381,983	0.2
February .....	346,363	353,200	2.0	727,466	735,183	1.1
March .....	391,166	388,257	-0.7	1,118,632	1,123,440	0.4
April .....	372,686	351,712	-5.6	1,491,318	1,475,152	-1.1
May .....	374,770	378,291	0.9	1,866,088	1,853,443	-0.7
June .....	370,364	382,043	3.2	2,236,452	2,235,486	-
July .....	368,167	365,266	-0.8	2,604,619	2,600,752	-0.1
August .....	370,384	354,177	-4.4	2,975,003	2,954,929	-0.7
September .....	375,726			3,350,729		
October .....	384,612			3,735,341		
November .....	375,266			4,110,607		
December .....	383,976			4,494,583		
<b>Other Italian cheese types</b>						
January .....	6,968	6,809	-2.3	6,968	6,809	-2.3
February .....	6,184	5,896	-4.7	13,152	12,705	-3.4
March .....	7,465	6,687	-10.4	20,617	19,392	-5.9
April .....	6,725	5,103	-24.1	27,342	24,495	-10.4
May .....	6,450	6,417	-0.5	33,792	30,912	-8.5
June .....	6,155	5,975	-2.9	39,947	36,887	-7.7
July .....	6,898	5,299	-23.2	46,845	42,186	-9.9
August .....	7,143	6,046	-15.4	53,988	48,232	-10.7
September .....	7,017			61,005		
October .....	5,698			66,703		
November .....	6,714			73,417		
December .....	7,123			80,540		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Butter</b>						
January .....	199,038	193,422	-2.8	199,038	193,422	-2.8
February .....	172,171	188,035	9.2	371,209	381,457	2.8
March .....	180,694	195,886	8.4	551,903	577,343	4.6
April .....	172,371	217,531	26.2	724,274	794,874	9.7
May .....	170,044	177,966	4.7	894,318	972,840	8.8
June .....	154,848	150,200	-3.0	1,049,166	1,123,040	7.0
July .....	150,705	154,883	2.8	1,199,871	1,277,923	6.5
August .....	141,323	152,331	7.8	1,341,194	1,430,254	6.6
September .....	144,334			1,485,528		
October .....	162,921			1,648,449		
November .....	161,852			1,810,301		
December .....	183,774			1,994,075		
<b>Nonfat dry milk, human</b>						
January .....	177,280	176,259	-0.6	177,280	176,259	-0.6
February .....	153,417	159,128	3.7	330,697	335,387	1.4
March .....	161,829	172,389	6.5	492,526	507,776	3.1
April .....	167,758	195,159	16.3	660,284	702,935	6.5
May .....	173,666	158,591	-8.7	833,950	861,526	3.3
June .....	157,948	147,134	-6.8	991,898	1,008,660	1.7
July .....	172,329	163,198	-5.3	1,164,227	1,171,858	0.7
August .....	132,525	144,162	8.8	1,296,752	1,316,020	1.5
September .....	117,806			1,414,558		
October .....	132,716			1,547,274		
November .....	138,880			1,686,154		
December .....	164,869			1,851,023		
<b>Skim milk powder, total <sup>3</sup></b>						
January .....	36,153	40,119	11.0	36,153	40,119	11.0
February .....	33,901	38,434	13.4	70,054	78,553	12.1
March .....	48,274	40,843	-15.4	118,328	119,396	0.9
April .....	46,244	40,394	-12.7	164,572	159,790	-2.9
May .....	26,604	47,070	76.9	191,176	206,860	8.2
June .....	52,062	61,253	17.7	243,238	268,113	10.2
July .....	46,708	51,220	9.7	289,946	319,333	10.1
August .....	60,768	59,581	-2.0	350,714	378,914	8.0
September .....	58,764			409,478		
October .....	47,386			456,864		
November .....	50,955			507,819		
December .....	64,893			572,712		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Dry whey, total <sup>4</sup></b>						
January .....	82,765	84,272	1.8	82,765	84,272	1.8
February .....	76,146	76,490	0.5	158,911	160,762	1.2
March .....	77,378	82,100	6.1	236,289	242,862	2.8
April .....	74,998	77,844	3.8	311,287	320,706	3.0
May .....	79,090	86,534	9.4	390,377	407,240	4.3
June .....	82,976	84,795	2.2	473,353	492,035	3.9
July .....	82,906	84,826	2.3	556,259	576,861	3.7
August .....	84,897	80,343	-5.4	641,156	657,204	2.5
September .....	90,627			731,783		
October .....	90,843			822,626		
November .....	75,111			897,737		
December .....	79,821			977,558		
<b>Lactose, human and animal</b>						
January .....	112,832	87,796	-22.2	112,832	87,796	-22.2
February .....	98,231	87,435	-11.0	211,063	175,231	-17.0
March .....	114,157	97,498	-14.6	325,220	272,729	-16.1
April .....	108,057	91,183	-15.6	433,277	363,912	-16.0
May .....	109,722	94,059	-14.3	542,999	457,971	-15.7
June .....	108,551	101,024	-6.9	651,550	558,995	-14.2
July .....	106,989	100,628	-5.9	758,539	659,623	-13.0
August .....	95,074	97,231	2.3	853,613	756,854	-11.3
September .....	95,488			949,101		
October .....	96,493			1,045,594		
November .....	88,375			1,133,969		
December .....	93,634			1,227,603		
<b>Whey protein concentrate, total</b>						
January .....	43,871	41,935	-4.4	43,871	41,935	-4.4
February .....	38,551	35,600	-7.7	82,422	77,535	-5.9
March .....	42,026	39,800	-5.3	124,448	117,335	-5.7
April .....	40,639	38,650	-4.9	165,087	155,985	-5.5
May .....	41,911	39,715	-5.2	206,998	195,700	-5.5
June .....	39,516	39,785	0.7	246,514	235,485	-4.5
July .....	39,802	39,600	-0.5	286,316	275,085	-3.9
August .....	39,903	39,216	-1.7	326,219	314,301	-3.7
September .....	40,068			366,287		
October .....	40,672			406,959		
November .....	40,696			447,655		
December .....	43,106			490,761		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Cottage cheese, cream</b>						
January .....	30,354	27,622	-9.0	30,354	27,622	-9.0
February .....	28,399	26,172	-7.8	58,753	53,794	-8.4
March .....	29,846	32,439	8.7	88,599	86,233	-2.7
April .....	30,945	32,946	6.5	119,544	119,179	-0.3
May .....	29,312	31,976	9.1	148,856	151,155	1.5
June .....	28,265	31,008	9.7	177,121	182,163	2.8
July .....	32,350	32,769	1.3	209,471	214,932	2.6
August .....	31,495	32,034	1.7	240,966	246,966	2.5
September .....	29,488			270,454		
October .....	31,956			302,410		
November .....	27,025			329,435		
December .....	28,427			357,862		
<b>Cottage cheese, lowfat</b>						
January .....	29,450	26,333	-10.6	29,450	26,333	-10.6
February .....	26,863	24,434	-9.0	56,313	50,767	-9.8
March .....	27,765	27,693	-0.3	84,078	78,460	-6.7
April .....	29,039	28,300	-2.5	113,117	106,760	-5.6
May .....	27,512	25,959	-5.6	140,629	132,719	-5.6
June .....	25,433	25,505	0.3	166,062	158,224	-4.7
July .....	29,611	28,793	-2.8	195,673	187,017	-4.4
August .....	29,747	27,560	-7.4	225,420	214,577	-4.8
September .....	26,427			251,847		
October .....	27,922			279,769		
November .....	24,008			303,777		
December .....	23,879			327,656		
<b>Sour cream</b>						
January .....	122,056	121,591	-0.4	122,056	121,591	-0.4
February .....	103,082	101,869	-1.2	225,138	223,460	-0.7
March .....	108,617	118,779	9.4	333,755	342,239	2.5
April .....	117,973	111,887	-5.2	451,728	454,126	0.5
May .....	120,332	136,118	13.1	572,060	590,244	3.2
June .....	111,416	121,962	9.5	683,476	712,206	4.2
July .....	118,403	113,206	-4.4	801,879	825,412	2.9
August .....	119,252	117,604	-1.4	921,131	943,016	2.4
September .....	111,282			1,032,413		
October .....	133,320			1,165,733		
November .....	129,785			1,295,518		
December .....	130,139			1,425,657		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
<b>Ice cream, regular hard</b>						
January .....	53,064	52,157	-1.7	53,064	52,157	-1.7
February .....	53,369	52,484	-1.7	106,433	104,641	-1.7
March .....	65,957	63,707	-3.4	172,390	168,348	-2.3
April .....	64,681	63,059	-2.5	237,071	231,407	-2.4
May .....	67,414	64,092	-4.9	304,485	295,499	-3.0
June .....	64,920	71,841	10.7	369,405	367,340	-0.6
July .....	64,846	71,669	10.5	434,251	439,009	1.1
August .....	64,242	69,145	7.6	498,493	508,154	1.9
September .....	58,155			556,648		
October .....	58,581			615,229		
November .....	46,927			662,156		
December .....	47,039			709,195		
<b>Ice cream, lowfat total</b>						
January .....	33,457	30,886	-7.7	33,457	30,886	-7.7
February .....	35,760	33,278	-6.9	69,217	64,164	-7.3
March .....	42,538	38,109	-10.4	111,755	102,273	-8.5
April .....	44,505	35,531	-20.2	156,260	137,804	-11.8
May .....	47,873	43,689	-8.7	204,133	181,493	-11.1
June .....	44,364	47,333	6.7	248,497	228,826	-7.9
July .....	43,582	47,669	9.4	292,079	276,495	-5.3
August .....	42,021	45,066	7.2	334,100	321,561	-3.8
September .....	37,206			371,306		
October .....	36,315			407,621		
November .....	29,068			436,689		
December .....	28,110			464,799		
<b>Sherbet, hard</b>						
January .....	2,437	2,577	5.7	2,437	2,577	5.7
February .....	2,700	3,021	11.9	5,137	5,598	9.0
March .....	3,225	3,056	-5.2	8,362	8,654	3.5
April .....	3,067	2,759	-10.0	11,429	11,413	-0.1
May .....	3,191	2,614	-18.1	14,620	14,027	-4.1
June .....	3,166	3,475	9.8	17,786	17,502	-1.6
July .....	2,795	3,037	8.7	20,581	20,539	-0.2
August .....	2,382	3,383	42.0	22,963	23,922	4.2
September .....	2,703			25,666		
October .....	2,445			28,111		
November .....	2,053			30,164		
December .....	2,056			32,220		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Yogurt, plain and flavored</b>						
January .....	369,301	347,758	-5.8	369,301	347,758	-5.8
February .....	375,622	375,155	-0.1	744,923	722,913	-3.0
March .....	399,699	418,060	4.6	1,144,622	1,140,973	-0.3
April .....	379,341	363,628	-4.1	1,523,963	1,504,601	-1.3
May .....	354,516	372,064	4.9	1,878,479	1,876,665	-0.1
June .....	364,013	396,538	8.9	2,242,492	2,273,203	1.4
July .....	348,614	365,970	5.0	2,591,106	2,639,173	1.9
August .....	377,322	382,711	1.4	2,968,428	3,021,884	1.8
September .....	381,495			3,349,923		
October .....	357,443			3,707,366		
November .....	319,612			4,026,978		
December .....	348,979			4,375,957		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
<b>Frozen yogurt, total</b>						
January .....	4,081	4,032	-1.2	4,081	4,032	-1.2
February .....	5,761	4,160	-27.8	9,842	8,192	-16.8
March .....	5,691	5,577	-2.0	15,533	13,769	-11.4
April .....	5,083	4,762	-6.3	20,616	18,531	-10.1
May .....	6,491	6,038	-7.0	27,107	24,569	-9.4
June .....	5,641	5,344	-5.3	32,748	29,913	-8.7
July .....	5,722	5,619	-1.8	38,470	35,532	-7.6
August .....	7,963	8,126	2.0	46,433	43,658	-6.0
September .....	4,522			50,955		
October .....	4,390			55,345		
November .....	3,868			59,213		
December .....	2,916			62,129		

- Represents zero.

<sup>1</sup> Excludes Cottage Cheese.

<sup>2</sup> Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

<sup>3</sup> Includes protein standardized and blends.

<sup>4</sup> Excludes all modified dry whey products.

**Total Cheese Production Excluding Cottage Cheese – States, United States, and Regions:  
August 2019 and 2020**

State and region	August 2019	July 2020	August 2020	Change from	
				August 2019	July 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	212,668	202,315	193,018	-9.2	-4.6
Idaho .....	88,378	89,529	81,409	-7.9	-9.1
Illinois .....	6,798	5,417	5,719	-15.9	5.6
Iowa .....	27,580	29,939	31,199	13.1	4.2
Minnesota .....	60,178	61,642	60,953	1.3	-1.1
New Jersey .....	4,518	5,103	4,742	5.0	-7.1
New Mexico .....	90,535	80,240	78,813	-12.9	-1.8
New York .....	70,357	73,029	69,682	-1.0	-4.6
Ohio .....	19,426	19,275	21,238	9.3	10.2
Oregon .....	17,207	19,015	18,890	9.8	-0.7
Pennsylvania .....	35,146	35,361	37,453	6.6	5.9
South Dakota .....	30,127	36,315	35,881	19.1	-1.2
Vermont .....	12,546	12,216	12,504	-0.3	2.4
Wisconsin .....	280,903	278,778	277,618	-1.2	-0.4
Other States <sup>1</sup> .....	157,279	159,459	160,732	2.2	0.8
United States .....	1,113,646	1,107,633	1,089,851	-2.1	-1.6
Atlantic .....	133,909	136,301	135,623	1.3	-0.5
Central .....	500,645	511,581	510,748	2.0	-0.2
West .....	479,092	459,751	443,480	-7.4	-3.5

<sup>1</sup> 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 2019 and 2020

State and region	August 2019	July 2020	August 2020	Change from	
				August 2019	July 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	50,897	50,069	48,398	-4.9	-3.3
Idaho .....	62,460	55,604	55,032	-11.9	-1.0
Iowa .....	17,510	19,730	18,870	7.8	-4.4
Minnesota .....	49,894	54,949	52,150	4.5	-5.1
New York .....	11,701	12,060	11,253	-3.8	-6.7
Oregon .....	17,087	18,890	18,764	9.8	-0.7
Wisconsin .....	79,096	84,765	84,800	7.2	-
Other States <sup>1</sup> .....	163,385	158,645	156,781	-4.0	-1.2
United States .....	452,030	454,712	446,048	-1.3	-1.9
Atlantic .....	28,832	27,846	28,239	-2.1	1.4
Central .....	209,326	227,406	221,382	5.8	-2.6
West .....	213,872	199,460	196,427	-8.2	-1.5

- Represents zero.

<sup>1</sup> 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 2019 and 2020

State and region	August 2019	July 2020	August 2020	Change from	
				August 2019	July 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	25,050	25,817	24,263	-3.1	-6.0
Iowa .....	9,912	12,359	11,865	19.7	-4.0
Minnesota .....	48,265	50,853	50,579	4.8	-0.5
Oregon .....	14,051	16,507	15,966	13.6	-3.3
Vermont .....	8,444	8,144	8,317	-1.5	2.1
Wisconsin .....	55,420	58,582	58,900	6.3	0.5
Other States <sup>1</sup> .....	160,048	151,729	152,962	-4.4	0.8
United States .....	321,190	323,991	322,852	0.5	-0.4
Atlantic .....	26,976	26,328	26,339	-2.4	-
Central .....	149,300	156,244	154,437	3.4	-1.2
West .....	144,914	141,419	142,076	-2.0	0.5

- Represents zero.

<sup>1</sup> 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 2019 and 2020

State and region	August 2019	July 2020	August 2020	Change from	
				August 2019	July 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	141,621	130,125	123,952	-12.5	-4.7
Idaho .....	20,264	28,327	21,561	6.4	-23.9
Minnesota .....	9,921	6,528	8,601	-13.3	31.8
New Jersey .....	2,281	2,286	2,505	9.8	9.6
New York .....	29,597	28,762	29,377	-0.7	2.1
Pennsylvania .....	21,755	20,181	21,850	0.4	8.3
Wisconsin .....	141,800	134,992	132,431	-6.6	-1.9
Other States <sup>1</sup> .....	99,339	102,612	108,230	9.0	5.5
United States .....	466,578	453,813	448,507	-3.9	-1.2
Atlantic .....	57,311	55,087	57,410	0.2	4.2
Central .....	190,276	182,843	186,299	-2.1	1.9
West .....	218,991	215,883	204,798	-6.5	-5.1

<sup>1</sup> 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 2019 and 2020

State and region	August 2019	July 2020	August 2020	Change from	
				August 2019	July 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	131,290	120,042	114,920	-12.5	-4.3
Idaho .....	19,859	27,776	21,331	7.4	-23.2
New Jersey .....	1,268	1,307	1,269	0.1	-2.9
New York .....	15,227	14,758	14,413	-5.3	-2.3
Pennsylvania .....	18,307	16,276	17,766	-3.0	9.2
Wisconsin .....	93,279	90,307	86,589	-7.2	-4.1
Other States <sup>1</sup> .....	91,154	94,800	97,889	7.4	3.3
United States .....	370,384	365,266	354,177	-4.4	-3.0
Atlantic .....	37,186	34,731	35,832	-3.6	3.2
Central .....	126,618	126,525	124,652	-1.6	-1.5
West .....	206,580	204,010	193,693	-6.2	-5.1

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

## Butter Production – States, United States, and Regions: August 2019 and 2020

State and region	August 2019	July 2020	August 2020	Change from	
				August 2019	July 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	43,552	52,825	49,491	13.6	-6.3
New York .....	1,233	1,321	1,339	8.6	1.4
Pennsylvania .....	6,096	7,982	7,587	24.5	-4.9
Other States <sup>1</sup> .....	90,442	92,755	93,914	3.8	1.2
United States .....	141,323	154,883	152,331	7.8	-1.6
Atlantic .....	11,282	13,069	12,190	8.0	-6.7
Central .....	53,643	54,878	56,450	5.2	2.9
West .....	76,398	86,936	83,691	9.5	-3.7

<sup>1</sup> 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 2019 and 2020

State and region	August 2019	July 2020	August 2020	Change from	
				August 2019	July 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	39,673	64,167	46,281	16.7	-27.9
Pennsylvania .....	13,838	15,500	13,678	-1.2	-11.8
Other States <sup>1</sup> .....	79,014	83,531	84,203	6.6	0.8
United States .....	132,525	163,198	144,162	8.8	-11.7
Atlantic .....	26,570	28,271	24,740	-6.9	-12.5
Central .....	31,120	35,265	34,122	9.6	-3.2
West .....	74,835	99,662	85,300	14.0	-14.4

<sup>1</sup> 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 2019 and 2020

State and region	August 2019	July 2020	August 2020	Change from	
				August 2019	July 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York .....	11,467	12,274	12,420	8.3	1.2
Wisconsin .....	24,465	23,111	24,158	-1.3	4.5
Other States <sup>1</sup> .....	47,835	47,547	42,341	-11.5	-10.9
United States .....	83,767	82,932	78,919	-5.8	-4.8
Atlantic .....	21,821	21,627	22,280	2.1	3.0
Central .....	38,483	39,697	34,525	-10.3	-13.0
West .....	23,463	21,608	22,114	-5.7	2.3

<sup>1</sup> 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 2019 and 2020

State and region	August 2019	July 2020	August 2020	Change from	
				August 2019	July 2020
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	6,753	6,929	6,296	-6.8	-9.1
Connecticut .....	1,249	1,310	1,367	9.4	4.4
Missouri .....	3,179	2,760	3,123	-1.8	13.2
New Jersey <sup>1</sup> .....	101	(NA)	(NA)	(NA)	(NA)
New York .....	2,497	2,318	2,466	-1.2	6.4
Ohio .....	2,613	2,898	2,803	7.3	-3.3
Oregon .....	1,211	1,697	1,390	14.8	-18.1
Pennsylvania .....	3,650	3,860	4,048	10.9	4.9
Tennessee .....	2,176	2,205	2,250	3.4	2.0
Utah .....	1,682	2,237	1,922	14.3	-14.1
Wisconsin .....	940	817	673	-28.4	-17.6
Other States <sup>2</sup> .....	38,191	44,638	42,807	12.1	-4.1
United States .....	64,242	71,669	69,145	7.6	-3.5
Atlantic .....	14,812	15,692	16,491	11.3	5.1
Central .....	37,462	42,811	41,039	9.5	-4.1
West .....	11,968	13,166	11,615	-2.9	-11.8

(NA) Not available.

<sup>1</sup> Included in Other States in 2020.

<sup>2</sup> 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 2019, there were 1,266 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](mailto:nass@usda.gov).

Travis Averill, Chief, Livestock Branch .....	(202) 692-0069
Scott Hollis, Head, Livestock Section .....	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter .....	(202) 690-8632
Holly Brenize – Sheep and Goats .....	(202) 720-0585
Ryan Cowen – Cattle, Cattle on Feed .....	(202) 720-3040
Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278
Suzanne Richards – Dairy Products .....	(202) 720-4448
Seth Riggins – Hogs and Pigs .....	(202) 720-3106

## 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](http://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](http://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](mailto: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](mailto:nass@usda.gov).

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## **USDA NASS Data Users' Meeting**

**Virtual Meeting**  
**Wednesday, October 28, 2020**

USDA's National Agricultural Statistics Service will hold a virtual meeting for users of U.S. domestic and international agriculture data. NASS is organizing the 2020 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. Agency representatives will answer questions and welcome comments and input from data users. Registration details will be coming soon.