



Dairy Products

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January 2021 Highlights

Total cheese output (excluding cottage cheese) was 1.12 billion pounds, 0.5 percent above January 2020 but 1.2 percent below December 2020.

Italian type cheese production totaled 481 million pounds, 0.8 percent below January 2020 and 0.7 percent below December 2020.

American type cheese production totaled 459 million pounds, 5.0 percent above January 2020 but 0.8 percent below December 2020.

Butter production was 207 million pounds, 7.0 percent above January 2020 and 0.3 percent above December 2020.

Dry milk products (comparisons in percentage with January 2020)

Nonfat dry milk, human - 197 million pounds, up 11.7 percent.

Skim milk powder - 36.9 million pounds, down 8.0 percent.

Whey products (comparisons in percentage with January 2020)

Dry whey, total - 83.9 million pounds, down 0.4 percent.

Lactose, human and animal - 94.3 million pounds, up 7.5 percent.

Whey protein concentrate, total - 44.7 million pounds, up 6.6 percent.

Frozen products (comparisons in percentage with January 2020)

Ice cream, regular (hard) - 55.8 million gallons, up 6.9 percent.

Ice cream, lowfat (total) - 32.1 million gallons, up 3.8 percent.

Sherbet (hard) - 2.71 million gallons, up 5.1 percent.

Frozen yogurt (total) - 3.62 million gallons, down 10.2 percent.

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

Product	January 2020	December 2020	January 2021	Change from	
				January 2020	December 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	193,422	206,370	206,895	7.0	0.3
Cheese					
American types ¹	437,451	462,935	459,318	5.0	-0.8
Cheddar	319,240	337,180	337,580	5.7	0.1
Other American types	118,211	125,755	121,738	3.0	-3.2
Blue and Gorgonzola	7,120	4,898	5,360	-24.7	9.4
Brick and Muenster	15,444	13,228	16,246	5.2	22.8
Cream and Neufchatel	79,982	82,261	74,181	-7.3	-9.8
Feta	10,193	8,511	8,409	-17.5	-1.2
Gouda	4,559	3,697	5,003	9.7	35.3
Hispanic	27,247	29,162	27,773	1.9	-4.8
Italian types	485,398	484,707	481,479	-0.8	-0.7
Mozzarella	381,983	373,061	374,585	-1.9	0.4
Parmesan	38,288	42,150	40,288	5.2	-4.4
Provolone	31,236	33,855	32,622	4.4	-3.6
Ricotta	22,354	23,295	22,511	0.7	-3.4
Romano	4,728	5,608	5,179	9.5	-7.6
Other Italian types	6,809	6,738	6,294	-7.6	-6.6
Swiss	28,525	27,818	26,104	-8.5	-6.2
All other types	14,596	12,774	12,731	-12.8	-0.3
Total cheese ²	1,110,515	1,129,991	1,116,604	0.5	-1.2
Cottage cheese, curd ³	30,838	31,245	29,430	-4.6	-5.8
Cottage cheese, cream ⁴	27,622	31,195	26,349	-4.6	-15.5
Cottage cheese, lowfat ⁵	26,333	24,870	24,431	-7.2	-1.8
Sour cream	121,591	133,696	116,010	-4.6	-13.2
Yogurt, plain and flavored	347,758	358,327	384,192	10.5	7.2
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	52,157	52,004	55,757	6.9	7.2
Ice cream, lowfat, hard	17,098	16,708	17,941	4.9	7.4
Ice cream, lowfat, soft	13,788	13,163	14,110	2.3	7.2
Ice cream, lowfat, total ⁶	30,886	29,871	32,051	3.8	7.3
Ice cream, nonfat, hard	409	410	538	31.5	31.2
Sherbet, hard	2,577	2,671	2,708	5.1	1.4
Frozen yogurt, total	4,032	2,859	3,621	-10.2	26.7
Regular and lowfat, hard	1,151	864	962	-16.4	11.3
Nonfat, hard	473	319	251	-46.9	-21.3
Other frozen dairy products	748	1,072	1,521	103.3	41.9
Water and juice ices	4,068	4,178	4,516	11.0	8.1
Mix for frozen products					
Ice cream, regular, mix	31,638	34,162	35,487	12.2	3.9
Ice cream, lowfat, mix ⁷	17,255	16,676	17,892	3.7	7.3
Ice cream, nonfat, mix	328	380	385	17.4	1.3
Sherbet mix	1,734	2,228	1,829	5.5	-17.9
Yogurt mix	1,890	1,690	1,718	-9.1	1.7

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:
January 2020 and 2021**

Product	January 2020	December 2020	January 2021	Change from	
				January 2020	December 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	7,437	5,991	5,994	-19.4	0.1
Dry whey products					
Dry whey, human	82,660	80,439	82,888	0.3	3.0
Dry whey, animal	1,612	1,212	1,021	-36.7	-15.8
Dry whey, total	84,272	81,651	83,909	-0.4	2.8
Reduced lactose and minerals					
Human	2,095	1,999	1,777	-15.2	-11.1
Animal	3,100	2,715	2,706	-12.7	-0.3
Whey protein concentrate					
Human ²	41,192	43,561	43,919	6.6	0.8
Animal ²	743	781	774	4.2	-0.9
Total ²	41,935	44,342	44,693	6.6	0.8
25.0-49.9 percent ³	16,361	18,458	17,691	8.1	-4.2
50.0-89.9 percent ³	25,574	25,884	27,002	5.6	4.3
Whey protein isolates ⁴	9,333	10,941	10,436	11.8	-4.6
Lactose, human and animal	87,796	94,529	94,338	7.5	-0.2
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	62,120	64,984	66,737	7.4	2.7
Dry whey, animal	803	620	673	-16.2	8.5
Dry whey, total	62,923	65,604	67,410	7.1	2.8
Reduced Lactose and minerals					
Human and animal ⁶	5,278	5,596	6,674	26.4	19.3
Whey protein concentrate					
Human ²	65,074	62,993	63,813	-1.9	1.3
Animal ²	1,050	903	927	-11.7	2.7
Total ²	66,124	63,896	64,740	-2.1	1.3
25.0-49.9 percent ³	27,011	29,003	28,161	4.3	-2.9
50.0-89.9 percent ³	39,113	34,893	36,579	-6.5	4.8
Whey protein isolates ⁴	15,296	15,073	14,190	-7.2	-5.9
Lactose, human and animal	99,949	122,486	127,322	27.4	3.9
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	14.4	27.9	22.6	8.1	-5.3

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:
January 2020 and 2021**

Product	January 2020	December 2020	January 2021	Change from	
				January 2020	December 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	107,772	92,582	110,865	2.9	19.7
Dry milk products					
Dry buttermilk, total	13,178	12,154	14,837	12.6	22.1
Dry skim milk, animal	876	843	691	-21.1	-18.0
Dry whole milk	8,839	12,192	10,891	23.2	-10.7
Milk protein concentrate, total ¹	21,681	18,767	21,908	1.0	16.7
Nonfat dry milk, human	176,259	206,400	196,946	11.7	-4.6
Skim milk powder, total ²	40,119	41,171	36,892	-8.0	-10.4
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	18,860	18,908	22,932	21.6	21.3
Dry skim milk, animal	12,311	8,635	8,956	-27.3	3.7
Dry whole milk	13,481	16,871	18,053	33.9	7.0
Nonfat dry milk, human	280,516	283,246	305,262	8.8	7.8
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	132,325	154,470	163,715	23.7	6.0

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	1,110,515	1,116,604	0.5	1,110,515	1,116,604	0.5
February	1,031,672			2,142,187		
March	1,124,028			3,266,215		
April	1,063,753			4,329,968		
May	1,101,005			5,430,973		
June	1,111,446			6,542,419		
July	1,107,633			7,650,052		
August	1,085,226			8,735,278		
September	1,096,686			9,831,964		
October	1,131,266			10,963,230		
November	1,099,606			12,062,836		
December	1,129,991			13,192,827		
Total American cheese types ²						
January	437,451	459,318	5.0	437,451	459,318	5.0
February	418,605			856,056		
March	450,058			1,306,114		
April	447,044			1,753,158		
May	442,282			2,195,440		
June	436,406			2,631,846		
July	454,712			3,086,558		
August	447,095			3,533,653		
September	434,659			3,968,312		
October	462,048			4,430,360		
November	448,192			4,878,552		
December	462,935			5,341,487		
Cheddar cheese						
January	319,240	337,580	5.7	319,240	337,580	5.7
February	302,408			621,648		
March	318,292			939,940		
April	330,891			1,270,831		
May	317,737			1,588,568		
June	309,012			1,897,580		
July	323,991			2,221,571		
August	324,030			2,545,601		
September	306,953			2,852,554		
October	328,957			3,181,511		
November	320,161			3,501,672		
December	337,180			3,838,852		

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	485,398	481,479	-0.8	485,398	481,479	-0.8
February	448,190			933,588		
March	486,865			1,420,453		
April	451,068			1,871,521		
May	480,614			2,352,135		
June	477,058			2,829,193		
July	453,813			3,283,006		
August	443,457			3,726,463		
September	463,126			4,189,589		
October	468,629			4,658,218		
November	457,640			5,115,858		
December	484,707			5,600,565		
Mozzarella						
January	381,983	374,585	-1.9	381,983	374,585	-1.9
February	353,200			735,183		
March	388,257			1,123,440		
April	351,712			1,475,152		
May	378,291			1,853,443		
June	382,043			2,235,486		
July	365,266			2,600,752		
August	351,956			2,952,708		
September	365,058			3,317,766		
October	366,108			3,683,874		
November	361,574			4,045,448		
December	373,061			4,418,509		
Other Italian cheese types						
January	6,809	6,294	-7.6	6,809	6,294	-7.6
February	5,896			12,705		
March	6,687			19,392		
April	5,103			24,495		
May	6,417			30,912		
June	5,975			36,887		
July	5,299			42,186		
August	6,051			48,237		
September	6,920			55,157		
October	6,703			61,860		
November	6,624			68,484		
December	6,738			75,222		

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	193,422	206,895	7.0	193,422	206,895	7.0
February	188,035			381,457		
March	195,886			577,343		
April	217,531			794,874		
May	177,966			972,840		
June	150,200			1,123,040		
July	154,883			1,277,923		
August	151,631			1,429,554		
September	151,612			1,581,166		
October	165,383			1,746,549		
November	173,175			1,919,724		
December	206,370			2,126,094		
Nonfat dry milk, human						
January	176,259	196,946	11.7	176,259	196,946	11.7
February	159,128			335,387		
March	172,389			507,776		
April	195,159			702,935		
May	158,591			861,526		
June	147,134			1,008,660		
July	163,198			1,171,858		
August	144,216			1,316,074		
September	125,980			1,442,054		
October	138,720			1,580,774		
November	159,182			1,739,956		
December	206,400			1,946,356		
Skim milk powder, total ³						
January	40,119	36,892	-8.0	40,119	36,892	-8.0
February	38,434			78,553		
March	40,843			119,396		
April	40,394			159,790		
May	47,070			206,860		
June	61,253			268,113		
July	51,220			319,333		
August	61,233			380,566		
September	72,450			453,016		
October	57,175			510,191		
November	52,392			562,583		
December	41,171			603,754		

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	84,272	83,909	-0.4	84,272	83,909	-0.4
February	76,490			160,762		
March	82,100			242,862		
April	77,844			320,706		
May	86,534			407,240		
June	84,795			492,035		
July	84,826			576,861		
August	78,818			655,679		
September	74,758			730,437		
October	74,751			805,188		
November	69,359			874,547		
December	81,651			956,198		
Lactose, human and animal						
January	87,796	94,338	7.5	87,796	94,338	7.5
February	87,435			175,231		
March	97,498			272,729		
April	91,183			363,912		
May	94,059			457,971		
June	101,024			558,995		
July	100,628			659,623		
August	97,385			757,008		
September	98,634			855,642		
October	91,218			946,860		
November	90,045			1,036,905		
December	94,529			1,131,434		
Whey protein concentrate, total						
January	41,935	44,693	6.6	41,935	44,693	6.6
February	35,600			77,535		
March	39,800			117,335		
April	38,650			155,985		
May	39,715			195,700		
June	39,785			235,485		
July	39,600			275,085		
August	39,512			314,597		
September	39,400			353,997		
October	38,689			392,686		
November	40,053			432,739		
December	44,342			477,081		

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	27,622	26,349	-4.6	27,622	26,349	-4.6
February	26,172			53,794		
March	32,439			86,233		
April	32,946			119,179		
May	31,976			151,155		
June	31,008			182,163		
July	32,769			214,932		
August	32,431			247,363		
September	35,592			282,955		
October	33,908			316,863		
November	29,441			346,304		
December	31,195			377,499		
Cottage cheese, lowfat						
January	26,333	24,431	-7.2	26,333	24,431	-7.2
February	24,434			50,767		
March	27,693			78,460		
April	28,300			106,760		
May	25,959			132,719		
June	25,505			158,224		
July	28,793			187,017		
August	27,264			214,281		
September	28,120			242,401		
October	28,891			271,292		
November	23,603			294,895		
December	24,870			319,765		
Sour cream						
January	121,591	116,010	-4.6	121,591	116,010	-4.6
February	101,869			223,460		
March	118,779			342,239		
April	111,887			454,126		
May	136,118			590,244		
June	121,962			712,206		
July	113,206			825,412		
August	117,762			943,174		
September	121,426			1,064,600		
October	140,258			1,204,858		
November	129,946			1,334,804		
December	133,696			1,468,500		

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	52,157	55,757	6.9	52,157	55,757	6.9
February	52,484			104,641		
March	63,707			168,348		
April	63,059			231,407		
May	64,092			295,499		
June	71,841			367,340		
July	71,669			439,009		
August	68,997			508,006		
September	65,078			573,084		
October	61,712			634,796		
November	53,472			688,268		
December	52,004			740,272		
Ice cream, lowfat total						
January	30,886	32,051	3.8	30,886	32,051	3.8
February	33,278			64,164		
March	38,109			102,273		
April	35,531			137,804		
May	43,689			181,493		
June	47,333			228,826		
July	47,669			276,495		
August	44,839			321,334		
September	40,122			361,456		
October	34,985			396,441		
November	29,567			426,008		
December	29,871			455,879		
Sherbet, hard						
January	2,577	2,708	5.1	2,577	2,708	5.1
February	3,021			5,598		
March	3,056			8,654		
April	2,759			11,413		
May	2,614			14,027		
June	3,475			17,502		
July	3,037			20,539		
August	3,376			23,915		
September	3,076			26,991		
October	2,768			29,759		
November	2,310			32,069		
December	2,671			34,740		

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	347,758	384,192	10.5	347,758	384,192	10.5
February	375,155			722,913		
March	418,060			1,140,973		
April	363,628			1,504,601		
May	372,064			1,876,665		
June	396,538			2,273,203		
July	365,970			2,639,173		
August	382,283			3,021,456		
September	388,829			3,410,285		
October	386,920			3,797,205		
November	326,188			4,123,393		
December	358,327			4,481,720		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	4,032	3,621	-10.2	4,032	3,621	-10.2
February	4,160			8,192		
March	5,577			13,769		
April	4,762			18,531		
May	6,038			24,569		
June	5,344			29,913		
July	5,619			35,532		
August	8,119			43,651		
September	4,463			48,114		
October	4,425			52,539		
November	3,822			56,361		
December	2,859			59,220		

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:
January 2020 and 2021**

State and region	January 2020	December 2020	January 2021	Change from	
				January 2020	December 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	213,085	208,555	211,071	-0.9	1.2
Idaho	85,349	85,487	87,801	2.9	2.7
Illinois	5,597	5,784	4,460	-20.3	-22.9
Iowa	29,009	29,952	29,660	2.2	-1.0
Minnesota	61,573	65,962	64,559	4.8	-2.1
New Jersey	5,212	5,583	5,210	-	-6.7
New Mexico	83,893	82,847	83,720	-0.2	1.1
New York	71,285	70,247	67,899	-4.7	-3.3
Ohio	22,154	21,814	20,780	-6.2	-4.7
Oregon	18,110	20,422	20,427	12.8	-
Pennsylvania	41,252	38,375	36,582	-11.3	-4.7
South Dakota	34,523	40,035	41,386	19.9	3.4
Vermont	12,783	13,213	13,189	3.2	-0.2
Wisconsin	277,120	280,321	277,964	0.3	-0.8
Other States ¹	149,570	161,394	151,896	1.6	-5.9
United States	1,110,515	1,129,991	1,116,604	0.5	-1.2
Atlantic	140,167	138,546	132,765	-5.3	-4.2
Central	503,427	526,525	514,096	2.1	-2.4
West	466,921	464,920	469,743	0.6	1.0

- Represents zero.

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: January 2020 and 2021

State and region	January 2020	December 2020	January 2021	Change from	
				January 2020	December 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	49,653	51,600	49,951	0.6	-3.2
Idaho	50,626	51,408	53,577	5.8	4.2
Iowa	19,076	18,356	19,407	1.7	5.7
Minnesota	51,273	53,634	53,017	3.4	-1.2
New York	12,454	12,272	13,360	7.3	8.9
Oregon	18,015	20,320	20,346	12.9	0.1
Wisconsin	87,079	91,951	92,156	5.8	0.2
Other States ¹	149,275	163,394	157,504	5.5	-3.6
United States	437,451	462,935	459,318	5.0	-0.8
Atlantic	29,928	29,132	31,407	4.9	7.8
Central	216,802	234,170	230,205	6.2	-1.7
West	190,721	199,633	197,706	3.7	-1.0

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: January 2020 and 2021

State and region	January 2020	December 2020	January 2021	Change from	
				January 2020	December 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	27,674	27,247	27,512	-0.6	1.0
Iowa	10,681	12,717	12,020	12.5	-5.5
Minnesota	49,892	52,776	52,406	5.0	-0.7
Oregon	15,219	17,568	18,084	18.8	2.9
Vermont	9,144	8,597	9,417	3.0	9.5
Wisconsin	61,823	63,800	64,320	4.0	0.8
Other States ¹	144,807	154,475	153,821	6.2	-0.4
United States	319,240	337,180	337,580	5.7	0.1
Atlantic	28,180	27,201	29,406	4.4	8.1
Central	152,913	167,076	164,884	7.8	-1.3
West	138,147	142,903	143,290	3.7	0.3

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: January 2020 and 2021

State and region	January 2020	December 2020	January 2021	Change from	
				January 2020	December 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	143,613	136,397	139,660	-2.8	2.4
Idaho	29,504	29,468	29,022	-1.6	-1.5
Minnesota	10,028	12,071	11,324	12.9	-6.2
New York	30,305	30,256	30,714	1.3	1.5
Pennsylvania	23,003	23,990	24,086	4.7	0.4
Wisconsin	140,637	138,357	135,754	-3.5	-1.9
Other States ¹	108,308	114,168	110,919	2.4	-2.8
United States	485,398	484,707	481,479	-0.8	-0.7
Atlantic	58,473	61,514	59,946	2.5	-2.5
Central	195,955	200,255	195,056	-0.5	-2.6
West	230,970	222,938	226,477	-1.9	1.6

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: January 2020 and 2021

State and region	January 2020	December 2020	January 2021	Change from	
				January 2020	December 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	132,175	125,855	127,830	-3.3	1.6
Idaho	28,872	28,783	28,285	-2.0	-1.7
New York	16,267	15,247	15,394	-5.4	1.0
Pennsylvania	19,502	20,040	19,924	2.2	-0.6
Wisconsin	89,021	85,000	85,180	-4.3	0.2
Other States ¹	96,146	98,136	97,972	1.9	-0.2
United States	381,983	373,061	374,585	-1.9	0.4
Atlantic	38,498	38,621	38,020	-1.2	-1.6
Central	125,750	124,226	123,801	-1.5	-0.3
West	217,735	210,214	212,764	-2.3	1.2

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

Butter Production – States, United States, and Regions: January 2020 and 2021

State and region	January 2020	December 2020	January 2021	Change from	
				January 2020	December 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	60,357	62,074	65,111	7.9	4.9
New York	2,947	3,042	2,957	0.3	-2.8
Pennsylvania	9,999	8,390	7,717	-22.8	-8.0
Other States ¹	120,119	132,864	131,110	9.2	-1.3
United States	193,422	206,370	206,895	7.0	0.3
Atlantic	22,882	18,869	19,365	-15.4	2.6
Central	78,481	82,935	80,262	2.3	-3.2
West	92,059	104,566	107,268	16.5	2.6

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: January 2020 and 2021

State and region	January 2020	December 2020	January 2021	Change from	
				January 2020	December 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	72,527	85,512	94,652	30.5	10.7
Pennsylvania	16,473	18,051	16,177	-1.8	-10.4
Other States ¹	87,259	102,837	86,117	-1.3	-16.3
United States	176,259	206,400	196,946	11.7	-4.6
Atlantic	33,317	34,987	32,325	-3.0	-7.6
Central	30,959	44,061	28,567	-7.7	-35.2
West	111,983	127,352	136,054	21.5	6.8

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: January 2020 and 2021

State and region	January 2020	December 2020	January 2021	Change from	
				January 2020	December 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	10,986	11,779	11,106	1.1	-5.7
Wisconsin	24,939	27,754	27,899	11.9	0.5
Other States ¹	46,735	40,906	43,883	-6.1	7.3
United States	82,660	80,439	82,888	0.3	3.0
Atlantic	21,579	22,271	22,100	2.4	-0.8
Central	39,131	38,949	38,667	-1.2	-0.7
West	21,950	19,219	22,121	0.8	15.1

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: January 2020 and 2021

State and region	January 2020	December 2020	January 2021	Change from	
				January 2020	December 2020
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	5,397	4,181	5,385	-0.2	28.8
Connecticut	878	1,138	1,120	27.6	-1.6
Missouri	1,847	1,371	1,800	-2.5	31.3
New York	2,328	1,578	2,496	7.2	58.2
Ohio	2,013	2,365	2,161	7.4	-8.6
Oregon	1,167	1,197	1,227	5.1	2.5
Pennsylvania	2,969	3,289	2,758	-7.1	-16.1
Tennessee	1,873	1,664	1,771	-5.4	6.4
Utah	1,587	1,439	1,617	1.9	12.4
Other States ¹	32,098	33,782	35,422	10.4	4.9
United States	52,157	52,004	55,757	6.9	7.2
Atlantic	11,956	11,754	13,510	13.0	14.9
Central	30,467	31,814	32,101	5.4	0.9
West	9,734	8,436	10,146	4.2	20.3

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 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.

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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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