



# Dairy Products

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## December 2020 Highlights

**Total cheese** output (excluding cottage cheese) was 1.13 billion pounds, 0.5 percent above December 2019 and 2.6 percent above November 2020.

**Italian type cheese** production totaled 485 million pounds, 0.3 percent above December 2019 and 5.9 percent above November 2020.

**American type cheese** production totaled 461 million pounds, 1.0 percent above December 2019 and 2.9 percent above November 2020.

**Butter** production was 206 million pounds, 11.8 percent above December 2019 and 18.7 percent above November 2020.

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

Nonfat dry milk, human - 205 million pounds, up 24.1 percent.

Skim milk powder - 40.9 million pounds, down 36.9 percent.

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

Dry whey, total - 81.7 million pounds, up 2.3 percent.

Lactose, human and animal - 96.6 million pounds, up 3.2 percent.

Whey protein concentrate, total - 43.2 million pounds, up 0.2 percent.

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

Ice cream, regular (hard) - 52.4 million gallons, up 11.4 percent.

Ice cream, lowfat (total) - 29.1 million gallons, up 3.7 percent.

Sherbet (hard) - 2.76 million gallons, up 34.4 percent.

Frozen yogurt (total) - 2.83 million gallons, down 3.1 percent.

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

Product	December 2019	November 2020	December 2020	Change from	
				December 2019	November 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	183,774	173,175	205,533	11.8	18.7
<b>Cheese</b>					
American types <sup>1</sup> .....	456,378	448,192	461,073	1.0	2.9
Cheddar .....	330,369	320,161	334,193	1.2	4.4
Other American types .....	126,009	128,031	126,880	0.7	-0.9
Blue and Gorgonzola .....	6,648	5,624	4,732	-28.8	-15.9
Brick and Muenster .....	15,123	16,259	13,096	-13.4	-19.5
Cream and Neufchatel .....	79,176	89,815	82,618	4.3	-8.0
Feta .....	9,820	8,607	8,583	-12.6	-0.3
Gouda .....	4,119	3,902	3,787	-8.1	-2.9
Hispanic .....	26,441	27,657	28,620	8.2	3.5
Italian types .....	483,331	457,640	484,736	0.3	5.9
Mozzarella .....	383,976	361,574	373,101	-2.8	3.2
Parmesan .....	33,962	33,681	42,238	24.4	25.4
Provolone .....	30,084	29,423	33,702	12.0	14.5
Ricotta .....	22,905	21,908	23,295	1.7	6.3
Romano .....	5,281	4,430	5,772	9.3	30.3
Other Italian types .....	7,123	6,624	6,628	-6.9	0.1
Swiss .....	27,534	28,161	27,583	0.2	-2.1
All other types .....	13,976	13,749	12,851	-8.0	-6.5
<b>Total cheese</b> <sup>2</sup> .....	<b>1,122,546</b>	<b>1,099,606</b>	<b>1,127,679</b>	<b>0.5</b>	<b>2.6</b>
Cottage cheese, curd <sup>3</sup> .....	28,837	29,566	30,983	7.4	4.8
Cottage cheese, cream <sup>4</sup> .....	28,427	29,441	30,262	6.5	2.8
Cottage cheese, lowfat <sup>5</sup> .....	23,879	23,603	24,594	3.0	4.2
Sour cream .....	130,139	129,946	130,527	0.3	0.4
Yogurt, plain and flavored .....	348,979	326,188	355,536	1.9	9.0
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	47,039	53,472	52,406	11.4	-2.0
Ice cream, lowfat, hard .....	14,068	17,699	16,753	19.1	-5.3
Ice cream, lowfat, soft .....	14,042	11,868	12,386	-11.8	4.4
Ice cream, lowfat, total <sup>6</sup> .....	28,110	29,567	29,139	3.7	-1.4
Ice cream, nonfat, hard .....	444	371	416	-6.3	12.1
Sherbet, hard .....	2,056	2,310	2,763	34.4	19.6
Frozen yogurt, total .....	2,916	3,822	2,826	-3.1	-26.1
Regular and lowfat, hard .....	973	1,047	839	-13.8	-19.9
Nonfat, hard .....	267	245	311	16.5	26.9
Other frozen dairy products .....	1,119	1,282	1,052	-6.0	-17.9
Water and juice ices .....	3,887	4,620	4,000	2.9	-13.4
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	28,855	36,820	34,148	18.3	-7.3
Ice cream, lowfat, mix <sup>7</sup> .....	13,154	16,422	16,234	23.4	-1.1
Ice cream, nonfat, mix .....	285	291	377	32.3	29.6
Sherbet mix .....	1,411	1,630	2,284	61.9	40.1
Yogurt mix .....	1,479	1,563	1,674	13.2	7.1

<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:  
December 2019 and 2020**

Product	December 2019	November 2020	December 2020	Change from	
				December 2019	November 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	10,215	6,258	5,950	-41.8	-4.9
Dry whey products					
Dry whey, human .....	78,695	68,150	80,439	2.2	18.0
Dry whey, animal .....	1,126	1,209	1,212	7.6	0.2
Dry whey, total .....	79,821	69,359	81,651	2.3	17.7
Reduced lactose and minerals					
Human .....	1,640	954	1,647	0.4	72.6
Animal .....	2,850	2,929	3,054	7.2	4.3
Whey protein concentrate					
Human <sup>2</sup> .....	42,585	38,903	42,424	-0.4	9.1
Animal <sup>2</sup> .....	521	1,150	781	49.9	-32.1
Total <sup>2</sup> .....	43,106	40,053	43,205	0.2	7.9
25.0-49.9 percent <sup>3</sup> .....	16,021	14,979	17,533	9.4	17.1
50.0-89.9 percent <sup>3</sup> .....	27,085	25,074	25,672	-5.2	2.4
Whey protein isolates <sup>4</sup> .....	9,422	8,530	10,905	15.7	27.8
Lactose, human and animal .....	93,634	90,045	96,620	3.2	7.3
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	70,509	66,262	65,040	-7.8	-1.8
Dry whey, animal .....	858	884	620	-27.7	-29.9
Dry whey, total .....	71,367	67,146	65,660	-8.0	-2.2
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	4,070	5,034	5,260	29.2	4.5
Whey protein concentrate					
Human <sup>2</sup> .....	65,892	64,984	61,916	-6.0	-4.7
Animal <sup>2</sup> .....	621	1,082	865	39.3	-20.1
Total <sup>2</sup> .....	66,513	66,066	62,781	-5.6	-5.0
25.0-49.9 percent <sup>3</sup> .....	26,576	28,946	28,375	6.8	-2.0
50.0-89.9 percent <sup>3</sup> .....	39,937	37,120	34,406	-13.8	-7.3
Whey protein isolates <sup>4</sup> .....	16,379	14,292	15,623	-4.6	9.3
Lactose, human and animal .....	110,652	111,311	122,341	10.6	9.9
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	19.9	20.2	27.9	8.0	7.7

<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:  
December 2019 and 2020**

Product	December 2019	November 2020	December 2020	Change from	
				December 2019	November 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	97,426	99,120	96,963	-0.5	-2.2
Dry milk products					
Dry buttermilk, total .....	11,850	10,196	11,931	0.7	17.0
Dry skim milk, animal .....	791	662	854	8.0	29.0
Dry whole milk .....	8,920	12,821	12,192	36.7	-4.9
Milk protein concentrate, total <sup>1</sup> .....	14,693	17,833	18,710	27.3	4.9
Nonfat dry milk, human .....	164,869	159,182	204,534	24.1	28.5
Skim milk powder, total <sup>2</sup> .....	64,893	52,392	40,945	-36.9	-21.8
<b>Manufacturers' stocks end-of-month <sup>3</sup></b>					
Dry milk products					
Dry buttermilk, total .....	17,426	17,624	18,317	5.1	3.9
Dry skim milk, animal .....	12,572	8,814	8,635	-31.3	-2.0
Dry whole milk .....	12,113	14,809	16,866	39.2	13.9
Nonfat dry milk, human .....	247,428	249,014	283,347	14.5	13.8
<b>Manufacturers' shipments <sup>4</sup></b>					
Dry milk products					
Nonfat dry milk, human .....	125,424	138,804	154,470	23.2	11.3

<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

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	1,085,226	-2.6	8,702,533	8,735,278	0.4
September .....	1,080,526	1,096,686	1.5	9,783,059	9,831,964	0.5
October .....	1,138,241	1,131,266	-0.6	10,921,300	10,963,230	0.4
November .....	1,093,397	1,099,606	0.6	12,014,697	12,062,836	0.4
December .....	1,122,546	1,127,679	0.5	13,137,243	13,190,515	0.4
<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	447,095	-1.1	3,482,138	3,533,653	1.5
September .....	415,687	434,659	4.6	3,897,825	3,968,312	1.8
October .....	445,601	462,048	3.7	4,343,426	4,430,360	2.0
November .....	432,438	448,192	3.6	4,775,864	4,878,552	2.2
December .....	456,378	461,073	1.0	5,232,242	5,339,625	2.1
<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	324,030	0.9	2,503,424	2,545,601	1.7
September .....	284,142	306,953	8.0	2,787,566	2,852,554	2.3
October .....	309,584	328,957	6.3	3,097,150	3,181,511	2.7
November .....	309,223	320,161	3.5	3,406,373	3,501,672	2.8
December .....	330,369	334,193	1.2	3,736,742	3,835,865	2.7

See footnote(s) at end of table.

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

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	443,457	-5.0	3,759,031	3,726,463	-0.9
September .....	470,642	463,126	-1.6	4,229,673	4,189,589	-0.9
October .....	485,559	468,629	-3.5	4,715,232	4,658,218	-1.2
November .....	471,962	457,640	-3.0	5,187,194	5,115,858	-1.4
December .....	483,331	484,736	0.3	5,670,525	5,600,594	-1.2
<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	351,956	-5.0	2,975,003	2,952,708	-0.7
September .....	375,726	365,058	-2.8	3,350,729	3,317,766	-1.0
October .....	384,612	366,108	-4.8	3,735,341	3,683,874	-1.4
November .....	375,266	361,574	-3.6	4,110,607	4,045,448	-1.6
December .....	383,976	373,101	-2.8	4,494,583	4,418,549	-1.7
<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	6,051	-15.3	53,988	48,237	-10.7
September .....	7,017	6,920	-1.4	61,005	55,157	-9.6
October .....	5,698	6,703	17.6	66,703	61,860	-7.3
November .....	6,714	6,624	-1.3	73,417	68,484	-6.7
December .....	7,123	6,628	-6.9	80,540	75,112	-6.7

See footnote(s) at end of table.

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

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	151,631	7.3	1,341,194	1,429,554	6.6
September .....	144,334	151,612	5.0	1,485,528	1,581,166	6.4
October .....	162,921	165,383	1.5	1,648,449	1,746,549	6.0
November .....	161,852	173,175	7.0	1,810,301	1,919,724	6.0
December .....	183,774	205,533	11.8	1,994,075	2,125,257	6.6
<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	144,216	8.8	1,296,752	1,316,074	1.5
September .....	117,806	125,980	6.9	1,414,558	1,442,054	1.9
October .....	132,716	138,720	4.5	1,547,274	1,580,774	2.2
November .....	138,880	159,182	14.6	1,686,154	1,739,956	3.2
December .....	164,869	204,534	24.1	1,851,023	1,944,490	5.0
<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	61,233	0.8	350,714	380,566	8.5
September .....	58,764	72,450	23.3	409,478	453,016	10.6
October .....	47,386	57,175	20.7	456,864	510,191	11.7
November .....	50,955	52,392	2.8	507,819	562,583	10.8
December .....	64,893	40,945	-36.9	572,712	603,528	5.4

See footnote(s) at end of table.

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

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	78,818	-7.2	641,156	655,679	2.3
September .....	90,627	74,758	-17.5	731,783	730,437	-0.2
October .....	90,843	74,751	-17.7	822,626	805,188	-2.1
November .....	75,111	69,359	-7.7	897,737	874,547	-2.6
December .....	79,821	81,651	2.3	977,558	956,198	-2.2
<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	97,385	2.4	853,613	757,008	-11.3
September .....	95,488	98,634	3.3	949,101	855,642	-9.8
October .....	96,493	91,218	-5.5	1,045,594	946,860	-9.4
November .....	88,375	90,045	1.9	1,133,969	1,036,905	-8.6
December .....	93,634	96,620	3.2	1,227,603	1,133,525	-7.7
<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	39,512	-1.0	326,219	314,597	-3.6
September .....	40,068	39,400	-1.7	366,287	353,997	-3.4
October .....	40,672	38,689	-4.9	406,959	392,686	-3.5
November .....	40,696	40,053	-1.6	447,655	432,739	-3.3
December .....	43,106	43,205	0.2	490,761	475,944	-3.0

See footnote(s) at end of table.

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

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	32,431	3.0	240,966	247,363	2.7
September .....	29,488	35,592	20.7	270,454	282,955	4.6
October .....	31,956	33,908	6.1	302,410	316,863	4.8
November .....	27,025	29,441	8.9	329,435	346,304	5.1
December .....	28,427	30,262	6.5	357,862	376,566	5.2
<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	27,264	-8.3	225,420	214,281	-4.9
September .....	26,427	28,120	6.4	251,847	242,401	-3.8
October .....	27,922	28,891	3.5	279,769	271,292	-3.0
November .....	24,008	23,603	-1.7	303,777	294,895	-2.9
December .....	23,879	24,594	3.0	327,656	319,489	-2.5
<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	117,762	-1.2	921,131	943,174	2.4
September .....	111,282	121,426	9.1	1,032,413	1,064,600	3.1
October .....	133,320	140,258	5.2	1,165,733	1,204,858	3.4
November .....	129,785	129,946	0.1	1,295,518	1,334,804	3.0
December .....	130,139	130,527	0.3	1,425,657	1,465,331	2.8

See footnote(s) at end of table.

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

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	68,997	7.4	498,493	508,006	1.9
September .....	58,155	65,078	11.9	556,648	573,084	3.0
October .....	58,581	61,712	5.3	615,229	634,796	3.2
November .....	46,927	53,472	13.9	662,156	688,268	3.9
December .....	47,039	52,406	11.4	709,195	740,674	4.4
<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	44,839	6.7	334,100	321,334	-3.8
September .....	37,206	40,122	7.8	371,306	361,456	-2.7
October .....	36,315	34,985	-3.7	407,621	396,441	-2.7
November .....	29,068	29,567	1.7	436,689	426,008	-2.4
December .....	28,110	29,139	3.7	464,799	455,147	-2.1
<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	3,376	41.7	22,963	23,915	4.1
September .....	2,703	3,076	13.8	25,666	26,991	5.2
October .....	2,445	2,768	13.2	28,111	29,759	5.9
November .....	2,053	2,310	12.5	30,164	32,069	6.3
December .....	2,056	2,763	34.4	32,220	34,832	8.1

See footnote(s) at end of table.

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

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	382,283	1.3	2,968,428	3,021,456	1.8
September .....	381,495	388,829	1.9	3,349,923	3,410,285	1.8
October .....	357,443	386,920	8.2	3,707,366	3,797,205	2.4
November .....	319,612	326,188	2.1	4,026,978	4,123,393	2.4
December .....	348,979	355,536	1.9	4,375,957	4,478,929	2.4
	(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	8,119	2.0	46,433	43,651	-6.0
September .....	4,522	4,463	-1.3	50,955	48,114	-5.6
October .....	4,390	4,425	0.8	55,345	52,539	-5.1
November .....	3,868	3,822	-1.2	59,213	56,361	-4.8
December .....	2,916	2,826	-3.1	62,129	59,187	-4.7

- 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:  
December 2019 and 2020**

State and region	December 2019	November 2020	December 2020	Change from	
				December 2019	November 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	217,503	200,863	208,549	-4.1	3.8
Idaho .....	88,847	83,199	85,450	-3.8	2.7
Illinois .....	6,849	5,275	5,784	-15.5	9.6
Iowa .....	29,294	31,105	29,127	-0.6	-6.4
Minnesota .....	63,351	61,774	65,962	4.1	6.8
New Jersey .....	5,415	5,073	5,273	-2.6	3.9
New Mexico .....	82,565	78,617	82,847	0.3	5.4
New York .....	68,288	69,429	69,702	2.1	0.4
Ohio .....	20,526	19,134	21,721	5.8	13.5
Oregon .....	18,332	20,151	20,422	11.4	1.3
Pennsylvania .....	39,483	34,509	38,290	-3.0	11.0
South Dakota .....	33,912	39,565	40,243	18.7	1.7
Vermont .....	12,539	12,960	12,744	1.6	-1.7
Wisconsin .....	276,055	276,664	279,290	1.2	0.9
Other States <sup>1</sup> .....	159,587	161,288	162,275	1.7	0.6
United States .....	1,122,546	1,099,606	1,127,679	0.5	2.6
Atlantic .....	136,795	133,208	137,143	0.3	3.0
Central .....	508,067	514,151	524,799	3.3	2.1
West .....	477,684	452,247	465,737	-2.5	3.0

<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: December 2019 and 2020

State and region	December 2019	November 2020	December 2020	Change from	
				December 2019	November 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	50,225	48,956	51,600	2.7	5.4
Idaho .....	53,302	54,473	51,409	-3.6	-5.6
Iowa .....	18,777	17,288	17,415	-7.3	0.7
Minnesota .....	55,373	51,658	53,634	-3.1	3.8
New York .....	11,722	11,366	11,906	1.6	4.8
Oregon .....	18,252	20,064	20,320	11.3	1.3
Wisconsin .....	88,045	88,216	91,400	3.8	3.6
Other States <sup>1</sup> .....	160,682	156,171	163,389	1.7	4.6
United States .....	456,378	448,192	461,073	1.0	2.9
Atlantic .....	28,319	28,039	28,819	1.8	2.8
Central .....	230,451	226,487	232,619	0.9	2.7
West .....	197,608	193,666	199,635	1.0	3.1

<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: December 2019 and 2020

State and region	December 2019	November 2020	December 2020	Change from	
				December 2019	November 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	24,362	25,565	27,247	11.8	6.6
Iowa .....	9,750	8,295	9,797	0.5	18.1
Minnesota .....	53,584	50,348	52,776	-1.5	4.8
Oregon .....	15,626	15,954	17,568	12.4	10.1
Vermont .....	8,861	8,342	8,650	-2.4	3.7
Wisconsin .....	62,063	61,790	63,800	2.8	3.3
Other States <sup>1</sup> .....	156,123	149,867	154,355	-1.1	3.0
United States .....	330,369	320,161	334,193	1.2	4.4
Atlantic .....	27,207	25,814	27,237	0.1	5.5
Central .....	162,695	159,940	164,051	0.8	2.6
West .....	140,467	134,407	142,905	1.7	6.3

<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: December 2019 and 2020

State and region	December 2019	November 2020	December 2020	Change from	
				December 2019	November 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	147,258	130,265	136,397	-7.4	4.7
Idaho .....	30,982	23,302	29,468	-4.9	26.5
Minnesota .....	7,732	9,897	12,071	56.1	22.0
New Jersey .....	3,247	2,947	3,105	-4.4	5.4
New York .....	29,054	31,481	30,301	4.3	-3.7
Pennsylvania .....	22,436	20,158	23,990	6.9	19.0
Wisconsin .....	137,485	131,140	138,155	0.5	5.3
Other States <sup>1</sup> .....	105,137	108,450	111,249	5.8	2.6
United States .....	483,331	457,640	484,736	0.3	5.9
Atlantic .....	58,942	58,899	61,561	4.4	4.5
Central .....	187,529	186,657	200,246	6.8	7.3
West .....	236,860	212,084	222,929	-5.9	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: December 2019 and 2020

State and region	December 2019	November 2020	December 2020	Change from	
				December 2019	November 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	136,533	121,161	125,855	-7.8	3.9
Idaho .....	30,327	22,698	28,783	-5.1	26.8
New Jersey .....	1,416	1,568	1,427	0.8	-9.0
New York .....	14,575	15,563	15,285	4.9	-1.8
Pennsylvania .....	18,712	16,711	20,040	7.1	19.9
Wisconsin .....	88,775	85,440	85,000	-4.3	-0.5
Other States <sup>1</sup> .....	93,638	98,433	96,711	3.3	-1.7
United States .....	383,976	361,574	373,101	-2.8	3.2
Atlantic .....	36,600	36,695	38,661	5.6	5.4
Central .....	123,234	123,934	124,226	0.8	0.2
West .....	224,142	200,945	210,214	-6.2	4.6

<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: December 2019 and 2020**

State and region	December 2019	November 2020	December 2020	Change from	
				December 2019	November 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	55,582	54,242	61,619	10.9	13.6
New York .....	2,681	1,949	1,967	-26.6	0.9
Pennsylvania .....	8,907	8,061	8,390	-5.8	4.1
Other States <sup>1</sup> .....	116,604	108,923	133,557	14.5	22.6
United States .....	183,774	173,175	205,533	11.8	18.7
Atlantic .....	19,238	14,816	17,793	-7.5	20.1
Central .....	69,264	68,252	83,629	20.7	22.5
West .....	95,272	90,107	104,111	9.3	15.5

<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: December 2019 and 2020**

State and region	December 2019	November 2020	December 2020	Change from	
				December 2019	November 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	57,055	61,854	83,301	46.0	34.7
Pennsylvania .....	18,042	13,208	18,051	-	36.7
Other States <sup>1</sup> .....	89,772	84,120	103,182	14.9	22.7
United States .....	164,869	159,182	204,534	24.1	28.5
Atlantic .....	33,701	26,146	35,332	4.8	35.1
Central .....	29,212	35,250	44,061	50.8	25.0
West .....	101,956	97,786	125,141	22.7	28.0

- Represents zero.

<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: December 2019 and 2020

State and region	December 2019	November 2020	December 2020	Change from	
				December 2019	November 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York .....	10,854	9,462	11,779	8.5	24.5
Wisconsin .....	26,638	21,429	27,754	4.2	29.5
Other States <sup>1</sup> .....	41,203	37,259	40,906	-0.7	9.8
United States .....	78,695	68,150	80,439	2.2	18.0
Atlantic .....	21,206	19,007	22,271	5.0	17.2
Central .....	40,207	31,628	38,949	-3.1	23.1
West .....	17,282	17,515	19,219	11.2	9.7

<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: December 2019 and 2020

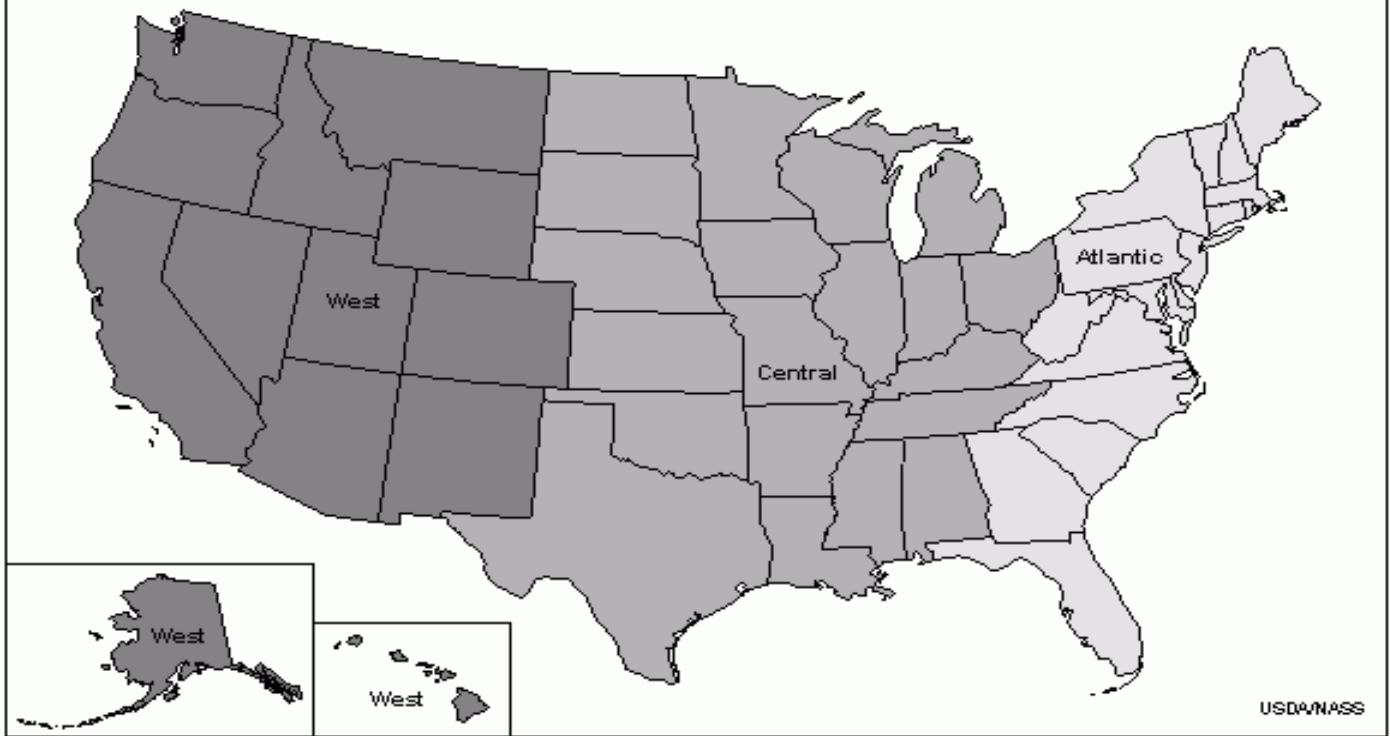
State and region	December 2019	November 2020	December 2020	Change from	
				December 2019	November 2020
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	3,137	4,972	4,181	33.3	-15.9
Connecticut .....	788	1,161	1,136	44.2	-2.2
Missouri .....	1,424	2,234	1,371	-3.7	-38.6
New Jersey <sup>1</sup> .....	79	(NA)	(NA)	(NA)	(NA)
New York .....	1,374	1,301	1,481	7.8	13.8
Ohio .....	1,766	2,217	2,362	33.7	6.5
Oregon .....	1,150	790	1,197	4.1	51.5
Pennsylvania .....	3,347	3,407	3,242	-3.1	-4.8
Tennessee .....	1,569	1,898	1,664	6.1	-12.3
Utah .....	1,205	1,168	1,453	20.6	24.4
Wisconsin .....	517	671	626	21.1	-6.7
Other States <sup>2</sup> .....	30,683	33,653	33,693	9.8	0.1
United States .....	47,039	53,472	52,406	11.4	-2.0
Atlantic .....	10,715	13,009	12,533	17.0	-3.7
Central .....	29,585	32,014	31,423	6.2	-1.8
West .....	6,739	8,449	8,450	25.4	0.0

(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
Ryan Cowen – Cattle, Cattle on Feed .....	(202) 720-3040
Logan Hartley – Sheep and Goats .....	(202) 690-3236
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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