



# Dairy Products

ISSN: 1949-0399

---

Released October 4, 2023, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

## August 2023 Highlights

**Total cheese** output (excluding cottage cheese) was 1.15 billion pounds, 0.2 percent below August 2022 and 0.1 percent below July 2023.

**Italian type cheese** production totaled 484 million pounds, 0.6 percent below August 2022 but 0.2 percent above July 2023.

**American type cheese** production totaled 459 million pounds, 0.3 percent above August 2022 but 2.0 percent below July 2023.

**Butter** production was 140 million pounds, 2.1 percent below August 2022 and 12.1 percent below July 2023.

### **Dry milk products** (comparisons in percentage with August 2022)

Nonfat dry milk, human - 113 million pounds, down 15.2 percent.

Skim milk powder - 57.2 million pounds, down 12.7 percent.

### **Whey products** (comparisons in percentage with August 2022)

Dry whey, total - 83.4 million pounds, up 10.7 percent.

Lactose, human and animal - 92.2 million pounds, down 1.0 percent.

Whey protein concentrate, total - 40.3 million pounds, up 14.8 percent.

### **Frozen products** (comparisons in percentage with August 2022)

Ice cream, regular (hard) - 66.2 million gallons, up 1.1 percent.

Ice cream, lowfat (total) - 40.5 million gallons, down 5.2 percent.

Sherbet (hard) - 2.15 million gallons, up 7.1 percent.

Frozen yogurt (total) - 4.21 million gallons, up 6.9 percent.

**Contents**

Dairy Products Production by Product – United States: August 2022 and 2023 ..... 3

Whey and Modified Whey Products Production, Stocks, and Prices – United States: August 2022 and 2023 ..... 4

Condensed and Dry Milk Products Production, Stocks, and Shipments – United States: August 2022 and 2023 ..... 5

Dairy Products Production by Product and Month – United States: 2022 and 2023 ..... 6

Total Cheese Production Excluding Cottage Cheese – States, United States, and Regions:  
August 2022 and 2023..... 13

American Cheese Production – States, United States, and Regions: August 2022 and 2023 ..... 14

Cheddar Cheese Production – States, United States, and Regions: August 2022 and 2023 ..... 14

Total Italian Cheese Production – States, United States, and Regions: August 2022 and 2023 ..... 15

Mozzarella Cheese Production – States, United States, and Regions: August 2022 and 2023 ..... 15

Butter Production – States, United States, and Regions: August 2022 and 2023 ..... 16

Nonfat Dry Milk (Human) Production – States, United States, and Regions: August 2022 and 2023 ..... 16

Dry Whey (Human) Production – States, United States, and Regions: August 2022 and 2023 ..... 17

Ice Cream, Regular (Hard) Production – States, United States, and Regions: August 2022 and 2023..... 17

Dairy Products Regions..... 18

Statistical Methodology..... 19

Information Contacts..... 20

# Dairy Products Production by Product – United States: August 2022 and 2023

Product	August 2022	July 2023	August 2023	Change from	
				August 2022	July 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	142,959	159,267	139,968	-2.1	-12.1
Cheese					
American types <sup>1</sup> .....	457,667	468,347	458,820	0.3	-2.0
Cheddar .....	318,114	323,377	314,402	-1.2	-2.8
Other American types .....	139,553	144,970	144,418	3.5	-0.4
Blue and Gorgonzola .....	7,361	7,043	7,875	7.0	11.8
Brick and Muenster .....	15,515	17,329	18,786	21.1	8.4
Cream and Neufchatel .....	96,976	88,070	91,003	-6.2	3.3
Feta .....	12,522	12,763	13,246	5.8	3.8
Gouda .....	4,261	6,047	5,633	32.2	-6.8
Hispanic .....	35,079	32,429	35,525	1.3	9.5
Italian types .....	486,732	482,907	483,894	-0.6	0.2
Mozzarella .....	383,858	382,947	380,372	-0.9	-0.7
Parmesan .....	38,284	40,525	39,230	2.5	-3.2
Provolone .....	32,262	31,066	32,767	1.6	5.5
Ricotta .....	20,460	17,850	20,907	2.2	17.1
Romano .....	4,718	3,993	3,594	-23.8	-10.0
Other Italian types .....	7,150	6,526	7,024	-1.8	7.6
Swiss .....	27,873	28,993	27,423	-1.6	-5.4
All other types .....	13,278	11,854	12,515	-5.7	5.6
Total cheese <sup>2</sup> .....	1,157,264	1,155,782	1,154,720	-0.2	-0.1
Cottage cheese, curd <sup>3</sup> .....	33,424	33,637	36,564	9.4	8.7
Cottage cheese, cream <sup>4</sup> .....	31,436	32,233	33,339	6.1	3.4
Cottage cheese, lowfat <sup>5</sup> .....	27,427	29,280	31,550	15.0	7.8
Sour cream .....	127,030	117,830	124,081	-2.3	5.3
Yogurt, plain and flavored .....	402,223	400,464	413,211	2.7	3.2
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard .....	65,493	61,962	66,225	1.1	6.9
Ice cream, lowfat, hard .....	20,726	20,359	21,492	3.7	5.6
Ice cream, lowfat, soft .....	21,967	21,855	18,970	-13.6	-13.2
Ice cream, lowfat, total <sup>6</sup> .....	42,693	42,214	40,462	-5.2	-4.2
Ice cream, nonfat, hard .....	731	648	831	13.7	28.2
Sherbet, hard .....	2,003	1,639	2,146	7.1	30.9
Frozen yogurt, total .....	3,940	4,903	4,213	6.9	-14.1
Regular and lowfat, hard .....	809	1,000	1,053	30.2	5.3
Nonfat, hard .....	331	365	360	8.8	-1.4
Other frozen dairy products .....	1,336	1,336	1,330	-0.4	-0.4
Water and juice ices .....	6,306	7,146	6,477	2.7	-9.4
Mix for frozen products					
Ice cream, regular, mix .....	44,561	41,838	42,048	-5.6	0.5
Ice cream, lowfat, mix <sup>7</sup> .....	23,148	23,802	22,671	-2.1	-4.8
Ice cream, nonfat, mix .....	499	441	472	-5.4	7.0
Sherbet mix .....	1,655	1,468	1,835	10.9	25.0
Yogurt mix .....	1,880	2,050	2,030	8.0	-1.0

<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 2022 and 2023**

Product	August 2022	July 2023	August 2023	Change from	
				August 2022	July 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	10,420	10,465	9,834	-5.6	-6.0
Dry whey products					
Dry whey, human .....	70,335	81,967	79,765	13.4	-2.7
Dry whey, animal .....	4,979	5,894	3,626	-27.2	-38.5
Dry whey, total .....	75,314	87,861	83,391	10.7	-5.1
Reduced lactose and minerals					
Human .....	2,063	826	508	-75.4	-38.5
Animal .....	3,251	2,982	2,916	-10.3	-2.2
Whey protein concentrate					
Human <sup>2</sup> .....	34,093	41,002	39,032	14.5	-4.8
Animal <sup>2</sup> .....	1,027	1,051	1,303	26.9	24.0
Total <sup>2</sup> .....	35,120	42,053	40,335	14.8	-4.1
25.0-49.9 percent <sup>3</sup> .....	11,253	14,010	13,620	21.0	-2.8
50.0-89.9 percent <sup>3</sup> .....	23,867	28,043	26,715	11.9	-4.7
Whey protein isolates <sup>4</sup> .....	10,518	8,521	9,387	-10.8	10.2
Lactose, human and animal .....	93,173	92,704	92,226	-1.0	-0.5
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	65,276	83,858	85,859	31.5	2.4
Dry whey, animal .....	1,861	3,544	2,812	51.1	-20.7
Dry whey, total .....	67,137	87,402	88,671	32.1	1.5
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	9,129	9,236	8,752	-4.1	-5.2
Whey protein concentrate					
Human <sup>2</sup> .....	70,887	83,359	80,638	13.8	-3.3
Animal <sup>2</sup> .....	1,337	1,449	1,386	3.7	-4.3
Total <sup>2</sup> .....	72,224	84,808	82,024	13.6	-3.3
25.0-49.9 percent <sup>3</sup> .....	22,457	33,254	34,707	54.5	4.4
50.0-89.9 percent <sup>3</sup> .....	49,767	51,554	47,317	-4.9	-8.2
Whey protein isolates <sup>4</sup> .....	20,609	21,958	21,347	3.6	-2.8
Lactose, human and animal .....	159,652	147,273	143,037	-10.4	-2.9
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	10.6	23.6	23.5	12.9	

<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 2022 and 2023**

Product	August 2022	July 2023	August 2023	Change from	
				August 2022	July 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	118,693	137,953	132,362	11.5	-4.1
Dry milk products					
Dry buttermilk, total .....	8,536	11,522	5,671	-33.6	-50.8
Dry skim milk, animal .....	624	599	666	6.7	11.2
Dry whole milk .....	12,076	8,719	8,005	-33.7	-8.2
Milk protein concentrate, total <sup>1</sup> .....	14,386	16,331	13,673	-5.0	-16.3
Nonfat dry milk, human .....	133,625	135,135	113,365	-15.2	-16.1
Skim milk powder, total <sup>2</sup> .....	65,551	60,669	57,213	-12.7	-5.7
<b>Manufacturers' stocks end-of-month <sup>3</sup></b>					
Dry milk products					
Dry buttermilk, total .....	26,363	38,976	29,775	12.9	-23.6
Dry skim milk, animal .....	7,286	6,948	7,734	6.1	11.3
Dry whole milk .....	14,177	9,107	11,469	-19.1	25.9
Nonfat dry milk, human .....	312,818	285,713	266,637	-14.8	-6.7
<b>Manufacturers' shipments <sup>4</sup></b>					
Dry milk products					
Nonfat dry milk, human .....	160,739	139,677	131,706	-18.1	-5.7

<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: 2022 and 2023

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese <sup>1</sup>						
January .....	1,178,278	1,205,337	2.3	1,178,278	1,205,337	2.3
February .....	1,091,747	1,100,262	0.8	2,270,025	2,305,599	1.6
March .....	1,231,174	1,231,918	0.1	3,501,199	3,537,517	1.0
April .....	1,173,437	1,169,980	-0.3	4,674,636	4,707,497	0.7
May .....	1,204,698	1,203,666	-0.1	5,879,334	5,911,163	0.5
June .....	1,165,799	1,170,317	0.4	7,045,133	7,081,480	0.5
July .....	1,170,138	1,155,782	-1.2	8,215,271	8,237,262	0.3
August .....	1,157,264	1,154,720	-0.2	9,372,535	9,391,982	0.2
September .....	1,150,810			10,523,345		
October .....	1,184,538			11,707,883		
November .....	1,156,153			12,864,036		
December .....	1,198,739			14,062,775		
Total American cheese types <sup>2</sup>						
January .....	483,756	498,646	3.1	483,756	498,646	3.1
February .....	436,283	443,179	1.6	920,039	941,825	2.4
March .....	482,811	498,889	3.3	1,402,850	1,440,714	2.7
April .....	477,133	485,838	1.8	1,879,983	1,926,552	2.5
May .....	488,333	510,181	4.5	2,368,316	2,436,733	2.9
June .....	466,040	473,627	1.6	2,834,356	2,910,360	2.7
July .....	473,984	468,347	-1.2	3,308,340	3,378,707	2.1
August .....	457,667	458,820	0.3	3,766,007	3,837,527	1.9
September .....	446,931			4,212,938		
October .....	475,411			4,688,349		
November .....	466,253			5,154,602		
December .....	485,708			5,640,310		
Cheddar cheese						
January .....	344,643	353,921	2.7	344,643	353,921	2.7
February .....	306,347	317,059	3.5	650,990	670,980	3.1
March .....	333,498	348,055	4.4	984,488	1,019,035	3.5
April .....	327,173	345,668	5.7	1,311,661	1,364,703	4.0
May .....	339,704	356,583	5.0	1,651,365	1,721,286	4.2
June .....	341,624	338,004	-1.1	1,992,989	2,059,290	3.3
July .....	340,236	323,377	-5.0	2,333,225	2,382,667	2.1
August .....	318,114	314,402	-1.2	2,651,339	2,697,069	1.7
September .....	305,153			2,956,492		
October .....	340,233			3,296,725		
November .....	323,788			3,620,513		
December .....	343,228			3,963,741		

See footnote(s) at end of table.

--continued

# Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Total Italian cheese types</b>						
January .....	485,660	499,904	2.9	485,660	499,904	2.9
February .....	457,311	458,867	0.3	942,971	958,771	1.7
March .....	519,279	512,918	-1.2	1,462,250	1,471,689	0.6
April .....	491,105	479,150	-2.4	1,953,355	1,950,839	-0.1
May .....	496,930	482,542	-2.9	2,450,285	2,433,381	-0.7
June .....	485,592	480,836	-1.0	2,935,877	2,914,217	-0.7
July .....	488,763	482,907	-1.2	3,424,640	3,397,124	-0.8
August .....	486,732	483,894	-0.6	3,911,372	3,881,018	-0.8
September .....	496,490			4,407,862		
October .....	499,233			4,907,095		
November .....	488,746			5,395,841		
December .....	508,061			5,903,902		
<b>Mozzarella</b>						
January .....	376,548	393,111	4.4	376,548	393,111	4.4
February .....	356,604	361,531	1.4	733,152	754,642	2.9
March .....	408,184	401,721	-1.6	1,141,336	1,156,363	1.3
April .....	386,577	380,896	-1.5	1,527,913	1,537,259	0.6
May .....	377,519	379,497	0.5	1,905,432	1,916,756	0.6
June .....	386,708	380,049	-1.7	2,292,140	2,296,805	0.2
July .....	392,366	382,947	-2.4	2,684,506	2,679,752	-0.2
August .....	383,858	380,372	-0.9	3,068,364	3,060,124	-0.3
September .....	385,587			3,453,951		
October .....	390,597			3,844,548		
November .....	384,171			4,228,719		
December .....	399,393			4,628,112		
<b>Other Italian cheese types</b>						
January .....	7,990	7,155	-10.5	7,990	7,155	-10.5
February .....	7,233	6,580	-9.0	15,223	13,735	-9.8
March .....	8,836	7,398	-16.3	24,059	21,133	-12.2
April .....	8,067	9,487	17.6	32,126	30,620	-4.7
May .....	8,069	7,195	-10.8	40,195	37,815	-5.9
June .....	8,091	6,795	-16.0	48,286	44,610	-7.6
July .....	7,420	6,526	-12.0	55,706	51,136	-8.2
August .....	7,150	7,024	-1.8	62,856	58,160	-7.5
September .....	8,237			71,093		
October .....	7,931			79,024		
November .....	7,837			86,861		
December .....	8,583			95,444		

See footnote(s) at end of table.

--continued

# Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January .....	196,236	201,347	2.6	196,236	201,347	2.6
February .....	183,333	187,200	2.1	379,569	388,547	2.4
March .....	202,211	204,964	1.4	581,780	593,511	2.0
April .....	181,303	196,909	8.6	763,083	790,420	3.6
May .....	179,812	194,581	8.2	942,895	985,001	4.5
June .....	158,979	162,129	2.0	1,101,874	1,147,130	4.1
July .....	151,755	159,267	5.0	1,253,629	1,306,397	4.2
August .....	142,959	139,968	-2.1	1,396,588	1,446,365	3.6
September .....	140,552			1,537,140		
October .....	162,114			1,699,254		
November .....	171,461			1,870,715		
December .....	188,022			2,058,737		
Nonfat dry milk, human						
January .....	170,437	174,953	2.6	170,437	174,953	2.6
February .....	168,997	182,528	8.0	339,434	357,481	5.3
March .....	191,815	199,448	4.0	531,249	556,929	4.8
April .....	195,821	198,595	1.4	727,070	755,524	3.9
May .....	192,677	208,766	8.4	919,747	964,290	4.8
June .....	168,971	178,017	5.4	1,088,718	1,142,307	4.9
July .....	165,726	135,135	-18.5	1,254,444	1,277,442	1.8
August .....	133,625	113,365	-15.2	1,388,069	1,390,807	0.2
September .....	122,804			1,510,873		
October .....	129,037			1,639,910		
November .....	160,743			1,800,653		
December .....	167,711			1,968,364		
Skim milk powder, total <sup>3</sup>						
January .....	51,932	44,580	-14.2	51,932	44,580	-14.2
February .....	40,138	37,199	-7.3	92,070	81,779	-11.2
March .....	42,902	35,252	-17.8	134,972	117,031	-13.3
April .....	44,613	34,783	-22.0	179,585	151,814	-15.5
May .....	50,753	34,678	-31.7	230,338	186,492	-19.0
June .....	54,406	37,410	-31.2	284,744	223,902	-21.4
July .....	61,008	60,669	-0.6	345,752	284,571	-17.7
August .....	65,551	57,213	-12.7	411,303	341,784	-16.9
September .....	68,422			479,725		
October .....	65,285			545,010		
November .....	49,110			594,120		
December .....	63,766			657,886		

See footnote(s) at end of table.

--continued



# Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total <sup>4</sup>						
January .....	72,766	76,713	5.4	72,766	76,713	5.4
February .....	68,293	66,824	-2.2	141,059	143,537	1.8
March .....	77,764	77,542	-0.3	218,823	221,079	1.0
April .....	79,446	79,592	0.2	298,269	300,671	0.8
May .....	79,205	81,777	3.2	377,474	382,448	1.3
June .....	80,062	84,544	5.6	457,536	466,992	2.1
July .....	84,287	87,861	4.2	541,823	554,853	2.4
August .....	75,314	83,391	10.7	617,137	638,244	3.4
September .....	75,792			692,929		
October .....	75,348			768,277		
November .....	72,041			840,318		
December .....	74,930			915,248		
Lactose, human and animal						
January .....	94,587	88,959	-6.0	94,587	88,959	-6.0
February .....	84,943	82,682	-2.7	179,530	171,641	-4.4
March .....	93,521	98,547	5.4	273,051	270,188	-1.0
April .....	96,162	91,420	-4.9	369,213	361,608	-2.1
May .....	94,985	94,083	-0.9	464,198	455,691	-1.8
June .....	98,429	97,381	-1.1	562,627	553,072	-1.7
July .....	95,345	92,704	-2.8	657,972	645,776	-1.9
August .....	93,173	92,226	-1.0	751,145	738,002	-1.7
September .....	91,193			842,338		
October .....	91,462			933,800		
November .....	88,620			1,022,420		
December .....	89,419			1,111,839		
Whey protein concentrate, total						
January .....	38,640	41,517	7.4	38,640	41,517	7.4
February .....	35,081	37,173	6.0	73,721	78,690	6.7
March .....	36,764	42,501	15.6	110,485	121,191	9.7
April .....	36,914	41,663	12.9	147,399	162,854	10.5
May .....	36,329	43,829	20.6	183,728	206,683	12.5
June .....	36,215	42,401	17.1	219,943	249,084	13.2
July .....	36,463	42,053	15.3	256,406	291,137	13.5
August .....	35,120	40,335	14.8	291,526	331,472	13.7
September .....	38,654			330,180		
October .....	39,326			369,506		
November .....	39,907			409,413		
December .....	41,708			451,121		

See footnote(s) at end of table.

--continued

# Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Cottage cheese, cream</b>						
January .....	27,872	28,894	3.7	27,872	28,894	3.7
February .....	28,301	29,357	3.7	56,173	58,251	3.7
March .....	29,527	33,090	12.1	85,700	91,341	6.6
April .....	26,629	28,368	6.5	112,329	119,709	6.6
May .....	27,362	33,021	20.7	139,691	152,730	9.3
June .....	29,366	32,271	9.9	169,057	185,001	9.4
July .....	28,727	32,233	12.2	197,784	217,234	9.8
August .....	31,436	33,339	6.1	229,220	250,573	9.3
September .....	29,634			258,854		
October .....	27,832			286,686		
November .....	28,478			315,164		
December .....	29,136			344,300		
<b>Cottage cheese, lowfat</b>						
January .....	24,194	26,110	7.9	24,194	26,110	7.9
February .....	24,674	24,320	-1.4	48,868	50,430	3.2
March .....	26,571	25,899	-2.5	75,439	76,329	1.2
April .....	24,821	24,605	-0.9	100,260	100,934	0.7
May .....	23,930	28,066	17.3	124,190	129,000	3.9
June .....	24,359	27,307	12.1	148,549	156,307	5.2
July .....	24,826	29,280	17.9	173,375	185,587	7.0
August .....	27,427	31,550	15.0	200,802	217,137	8.1
September .....	25,420			226,222		
October .....	23,911			250,133		
November .....	22,035			272,168		
December .....	21,858			294,026		
<b>Sour cream</b>						
January .....	124,280	126,074	1.4	124,280	126,074	1.4
February .....	116,771	113,600	-2.7	241,051	239,674	-0.6
March .....	126,440	125,905	-0.4	367,491	365,579	-0.5
April .....	116,700	117,517	0.7	484,191	483,096	-0.2
May .....	125,804	127,349	1.2	609,995	610,445	0.1
June .....	123,165	127,333	3.4	733,160	737,778	0.6
July .....	115,623	117,830	1.9	848,783	855,608	0.8
August .....	127,030	124,081	-2.3	975,813	979,689	0.4
September .....	121,170			1,096,983		
October .....	131,035			1,228,018		
November .....	133,978			1,361,996		
December .....	133,622			1,495,618		

See footnote(s) at end of table.

--continued

# Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January .....	54,581	52,963	-3.0	54,581	52,963	-3.0
February .....	54,354	58,382	7.4	108,935	111,345	2.2
March .....	66,216	66,245	(Z)	175,151	177,590	1.4
April .....	65,427	61,008	-6.8	240,578	238,598	-0.8
May .....	62,248	63,592	2.2	302,826	302,190	-0.2
June .....	66,973	67,211	0.4	369,799	369,401	-0.1
July .....	61,063	61,962	1.5	430,862	431,363	0.1
August .....	65,493	66,225	1.1	496,355	497,588	0.2
September .....	63,076			559,431		
October .....	59,468			618,899		
November .....	54,126			673,025		
December .....	53,665			726,690		
Ice cream, lowfat total						
January .....	31,874	29,018	-9.0	31,874	29,018	-9.0
February .....	34,297	31,897	-7.0	66,171	60,915	-7.9
March .....	42,726	39,634	-7.2	108,897	100,549	-7.7
April .....	40,423	37,670	-6.8	149,320	138,219	-7.4
May .....	41,179	40,755	-1.0	190,499	178,974	-6.0
June .....	43,257	41,917	-3.1	233,756	220,891	-5.5
July .....	40,620	42,214	3.9	274,376	263,105	-4.1
August .....	42,693	40,462	-5.2	317,069	303,567	-4.3
September .....	37,344			354,413		
October .....	35,656			390,069		
November .....	29,075			419,144		
December .....	27,182			446,326		
Sherbet, hard						
January .....	1,833	1,971	7.5	1,833	1,971	7.5
February .....	2,003	2,308	15.2	3,836	4,279	11.5
March .....	2,614	1,969	-24.7	6,450	6,248	-3.1
April .....	1,991	2,047	2.8	8,441	8,295	-1.7
May .....	2,040	2,007	-1.6	10,481	10,302	-1.7
June .....	2,065	1,914	-7.3	12,546	12,216	-2.6
July .....	2,224	1,639	-26.3	14,770	13,855	-6.2
August .....	2,003	2,146	7.1	16,773	16,001	-4.6
September .....	1,981			18,754		
October .....	2,161			20,915		
November .....	1,671			22,586		
December .....	1,678			24,264		

See footnote(s) at end of table.

--continued

# Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January .....	372,907	391,637	5.0	372,907	391,637	5.0
February .....	376,866	400,599	6.3	749,773	792,236	5.7
March .....	429,558	440,775	2.6	1,179,331	1,233,011	4.6
April .....	373,945	382,713	2.3	1,553,276	1,615,724	4.0
May .....	399,140	404,050	1.2	1,952,416	2,019,774	3.4
June .....	391,060	401,095	2.6	2,343,476	2,420,869	3.3
July .....	379,818	400,464	5.4	2,723,294	2,821,333	3.6
August .....	402,223	413,211	2.7	3,125,517	3,234,544	3.5
September .....	398,067			3,523,584		
October .....	391,563			3,915,147		
November .....	337,045			4,252,192		
December .....	371,368			4,623,560		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January .....	2,765	3,467	25.4	2,765	3,467	25.4
February .....	3,711	4,340	16.9	6,476	7,807	20.6
March .....	4,066	3,296	-18.9	10,542	11,103	5.3
April .....	3,509	3,496	-0.4	14,051	14,599	3.9
May .....	4,764	4,374	-8.2	18,815	18,973	0.8
June .....	4,572	4,577	0.1	23,387	23,550	0.7
July .....	5,005	4,903	-2.0	28,392	28,453	0.2
August .....	3,940	4,213	6.9	32,332	32,666	1.0
September .....	3,115			35,447		
October .....	3,826			39,273		
November .....	2,664			41,937		
December .....	3,675			45,612		

(Z) Less than half of the unit shown.

<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 2022 and 2023**

State and region	August 2022	July 2023	August 2023	Change from	
				August 2022	July 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	206,755	202,324	207,847	0.5	2.7
Idaho .....	73,689	87,139	80,360	9.1	-7.8
Illinois .....	5,316	5,547	5,338	0.4	-3.8
Iowa .....	32,270	32,063	32,083	-0.6	0.1
Minnesota .....	68,053	70,101	66,926	-1.7	-4.5
New Jersey .....	5,221	5,112	5,172	-0.9	1.2
New Mexico .....	80,707	77,173	74,245	-8.0	-3.8
New York .....	68,943	71,082	69,674	1.1	-2.0
Ohio .....	20,366	20,469	21,069	3.5	2.9
Pennsylvania .....	35,896	37,907	39,479	10.0	4.1
South Dakota .....	43,058	43,137	40,813	-5.2	-5.4
Vermont .....	12,133	11,897	11,563	-4.7	-2.8
Wisconsin .....	291,968	292,289	300,704	3.0	2.9
Other States <sup>1</sup> .....	212,889	199,542	199,447	-6.3	(Z)
United States .....	1,157,264	1,155,782	1,154,720	-0.2	-0.1
Atlantic .....	133,892	137,641	137,346	2.6	-0.2
Central .....	566,441	561,987	566,695	(Z)	0.8
West .....	456,931	456,154	450,679	-1.4	-1.2

(Z) Less than half of the unit shown.

<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 2022 and 2023

State and region	August 2022	July 2023	August 2023	Change from	
				August 2022	July 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	44,996	42,568	46,029	2.3	8.1
Iowa .....	16,555	15,955	15,923	-3.8	-0.2
Minnesota .....	57,719	59,593	56,545	-2.0	-5.1
New York .....	12,168	11,814	12,154	-0.1	2.9
Wisconsin .....	87,626	90,964	90,300	3.1	-0.7
Other States <sup>1</sup> .....	238,603	247,453	237,869	-0.3	-3.9
United States .....	457,667	468,347	458,820	0.3	-2.0
Atlantic .....	28,871	27,990	28,034	-2.9	0.2
Central .....	248,225	257,098	249,134	0.4	-3.1
West .....	180,571	183,259	181,652	0.6	-0.9

<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 2022 and 2023

State and region	August 2022	July 2023	August 2023	Change from	
				August 2022	July 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	22,583	16,812	22,118	-2.1	31.6
Vermont .....	8,638	8,003	7,980	-7.6	-0.3
Wisconsin .....	57,888	59,483	57,500	-0.7	-3.3
Other States <sup>1</sup> .....	229,005	239,079	226,804	-1.0	-5.1
United States .....	318,114	323,377	314,402	-1.2	-2.8
Atlantic .....	26,675	25,837	25,939	-2.8	0.4
Central .....	170,521	177,253	168,643	-1.1	-4.9
West .....	120,918	120,287	119,820	-0.9	-0.4

<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 2022 and 2023

State and region	August 2022	July 2023	August 2023	Change from	
				August 2022	July 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	136,922	135,752	135,248	-1.2	-0.4
Minnesota .....	10,018	10,269	10,145	1.3	-1.2
New Jersey .....	2,727	2,693	2,716	-0.4	0.9
New York .....	28,558	27,298	30,008	5.1	9.9
Pennsylvania .....	22,065	22,116	22,575	2.3	2.1
Wisconsin .....	137,532	140,580	143,008	4.0	1.7
Other States <sup>1</sup> .....	148,910	144,199	140,194	-5.9	-2.8
United States .....	486,732	482,907	483,894	-0.6	0.2
Atlantic .....	57,104	56,100	59,172	3.6	5.5
Central .....	205,452	205,264	209,038	1.7	1.8
West .....	224,176	221,543	215,684	-3.8	-2.6

<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 2022 and 2023

State and region	August 2022	July 2023	August 2023	Change from	
				August 2022	July 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	126,442	124,827	125,895	-0.4	0.9
New Jersey .....	1,379	1,254	1,316	-4.6	4.9
New York .....	14,053	14,210	14,181	0.9	-0.2
Pennsylvania .....	17,622	18,264	18,074	2.6	-1.0
Wisconsin .....	87,601	91,632	94,000	7.3	2.6
Other States <sup>1</sup> .....	136,761	132,760	126,906	-7.2	-4.4
United States .....	383,858	382,947	380,372	-0.9	-0.7
Atlantic .....	35,662	36,640	36,230	1.6	-1.1
Central .....	136,016	137,276	139,176	2.3	1.4
West .....	212,180	209,031	204,966	-3.4	-1.9

<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 2022 and 2023

State and region	August 2022	July 2023	August 2023	Change from	
				August 2022	July 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	51,171	51,041	49,147	-4.0	-3.7
Pennsylvania .....	7,366	6,654	5,614	-23.8	-15.6
Other States <sup>1</sup> .....	84,422	101,572	85,207	0.9	-16.1
United States .....	142,959	159,267	139,968	-2.1	-12.1
Atlantic .....	11,420	10,220	9,990	-12.5	-2.3
Central .....	47,933	62,580	55,071	14.9	-12.0
West .....	83,606	86,467	74,907	-10.4	-13.4

<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 2022 and 2023

State and region	August 2022	July 2023	August 2023	Change from	
				August 2022	July 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	50,105	46,488	36,464	-27.2	-21.6
Pennsylvania .....	12,557	13,982	13,645	8.7	-2.4
Wisconsin .....	1,759	1,057	1,412	-19.7	33.6
Other States <sup>1</sup> .....	69,204	73,608	61,844	-10.6	-16.0
United States .....	133,625	135,135	113,365	-15.2	-16.1
Atlantic .....	25,125	27,555	25,419	1.2	-7.8
Central .....	32,096	31,641	26,816	-16.5	-15.2
West .....	76,404	75,939	61,130	-20.0	-19.5

<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 2022 and 2023

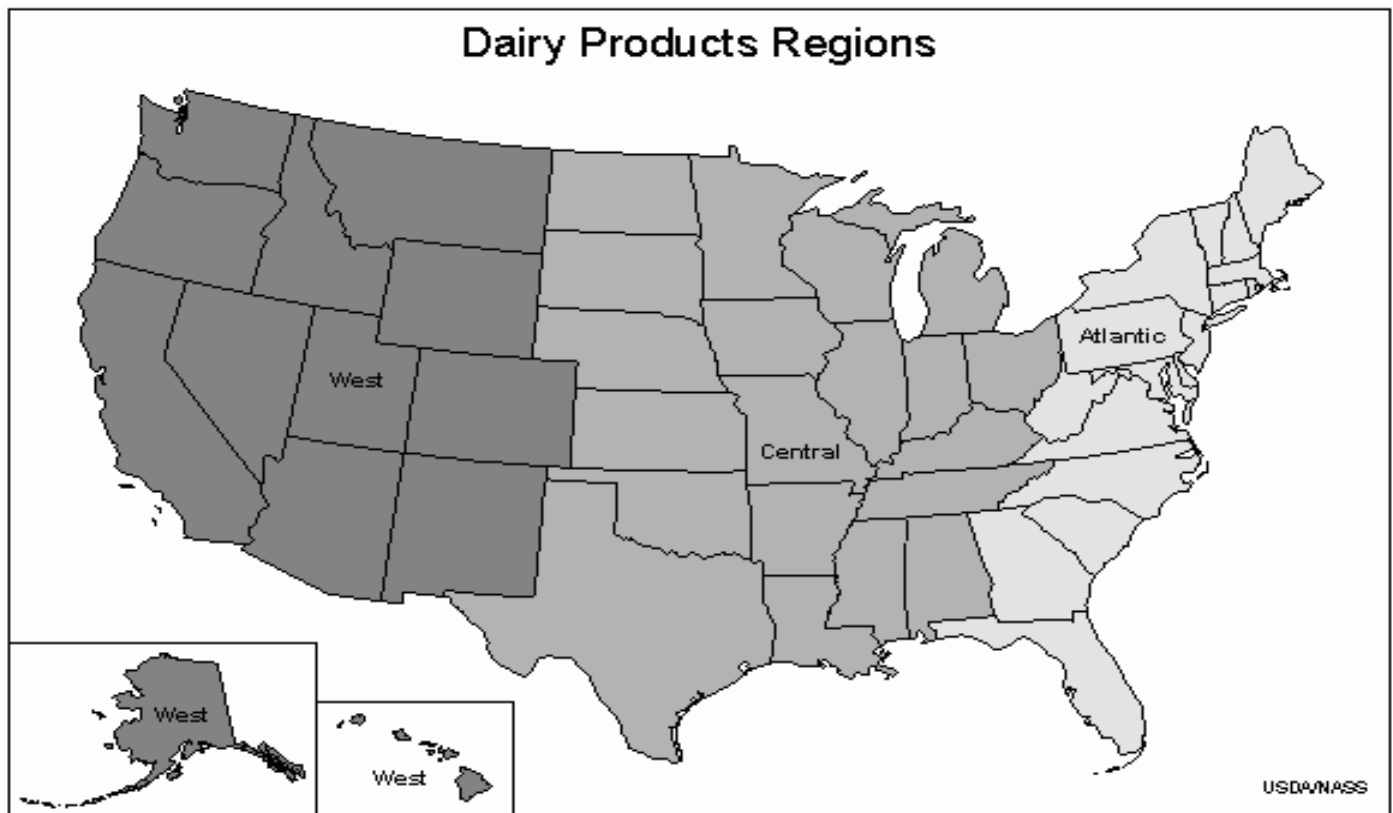
State and region	August 2022	July 2023	August 2023	Change from	
				August 2022	July 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York .....	9,578	10,646	11,404	19.1	7.1
Wisconsin .....	21,996	20,927	21,321	-3.1	1.9
Other States <sup>1</sup> .....	38,761	50,394	47,040	21.4	-6.7
United States .....	70,335	81,967	79,765	13.4	-2.7
Atlantic .....	18,267	20,532	21,839	19.6	6.4
Central .....	32,581	40,702	40,442	24.1	-0.6
West .....	19,487	20,733	17,484	-10.3	-15.7

<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: August 2022 and 2023

State and region	August 2022	July 2023	August 2023	Change from	
				August 2022	July 2023
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	7,385	7,071	7,391	0.1	4.5
Connecticut .....	1,477	1,479	1,241	-16.0	-16.1
New York .....	2,480	2,647	2,537	2.3	-4.2
Ohio .....	2,665	2,405	2,327	-12.7	-3.2
Oregon .....	994	960	1,077	8.4	12.2
Pennsylvania .....	3,440	3,262	3,317	-3.6	1.7
Tennessee .....	2,001	1,792	1,994	-0.3	11.3
Utah .....	1,582	1,463	1,602	1.3	9.5
Wisconsin .....	810	872	837	3.3	-4.0
Other States <sup>1</sup> .....	42,659	40,011	43,902	2.9	9.7
United States .....	65,493	61,962	66,225	1.1	6.9
Atlantic .....	14,924	14,740	14,911	-0.1	1.2
Central .....	38,880	35,330	38,415	-1.2	8.7
West .....	11,689	11,892	12,899	10.4	8.5

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



**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 2022, there were 1,201 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
Kim DaPra – Milk Production and Milk Cows .....	(512) 501-3266
Donnie Fike – Dairy Products .....	(202) 690-3347
Anthony Fischer – Hogs and Pigs.....	(202) 720-3106
Suzanne Richards – Sheep and Goats .....	(202) 720-4448

## Access to NASS Reports

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

- All reports are available electronically, at no cost, on the NASS web site: [www.nass.usda.gov](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).

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at [www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer](http://www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer), or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at [program.intake@usda.gov](mailto:program.intake@usda.gov).



**USDA Fall Data Users' Meeting**  
**Virtual Meeting**  
**October 17 & 18, 2023**  
**12:00 – 3:00 pm ET**

USDA's National Agricultural Statistics Service (NASS) will hold a virtual meeting for users of U.S. domestic and international agriculture data. NASS is organizing the 2023 Fall Data Users' Meeting in cooperation with five other USDA agencies – Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Representatives will provide agency updates, answer questions, and listen to concerns from data users.

**Abbreviated Agenda**

Day 1 – October 17

Agency Updates– *All agencies*

Focus on the 2022 Census of Agriculture - *National Agricultural Statistics Service*

The Use of Weather Information In Producing the WASDE - *World Agricultural Outlook Board*

NASS Historical Revisions and Estimating Program Review - *National Agricultural Statistics Service*

AMS Data Visualizations - *Agricultural Marketing Service*

Day 2 – October 18

Open Forum – *All agencies*

ERS Feed Grains Database: A comprehensive look at this valuable resource – *Economic Research Service*

Understanding Publicly Available Data from USDA-Risk Management Agency – *Risk Management Agency*

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