



# Estimated Fluid Milk Products Sales Report

United States Department of Agriculture

Agricultural Marketing Service

Dairy Programs

Market Information Branch

EFMS-0416

June 17, 2016

## April 2016 Highlights

**Total Fluid Products Sales** 4.1 billion pounds of packaged fluid milk products were shipped by milk handlers in April 2016. This was virtually unchanged from a year earlier. Estimated sales of total conventional fluid milk products decreased 0.2 percent from April 2015 and estimated sales of total organic fluid milk products increased 3.3 percent from a year earlier.

## Estimated Total U.S. Sales of Fluid Milk Products, for April 2016 <sup>1</sup>

Product Name	Sales		Change from:	
	Month	Year to Date	Previous Year	Year to Date
	<i>(million pounds)</i>		<i>(percent)</i>	
<b>Conventional Production Practice</b>				
Whole Milk	1,162	4,772	5.5	4.8
Flavored Whole Milk	49	195	5.0	7.0
Reduced Fat Milk (2%)	1,267	5,219	-0.9	-1.9
Low Fat Milk (1%)	585	2,372	-4.0	-3.9
Fat-Free Milk (Skim)	399	1,650	-10.5	-10.3
Flavored Fat-Reduced Milk	373	1,433	4.1	3.8
Buttermilk	39	168	-5.6	-2.0
Other Fluid Milk Products	4	17	1.3	9.4
Total Fat-Reduced Milk	2,624	10,674	-2.5	-3.0
Total Conventional Products Sold	3,878	15,776	-0.2	-0.7
<b>Organic Production Practice</b>				
Whole Milk	77	304	15.6	14.2
Reduced Fat Milk (2%)	64	266	6.6	11.3
Low Fat Milk (1%)	38	147	-1.7	-3.1
Fat-Free Milk (Skim)	27	110	-11.3	-10.5
Flavored Fat-Reduced Milk	7	30	-33.1	-32.0
Other Fluids Milk Products	0	1	-----	-----
Total Fat-Reduced Milk	136	553	-2.5	-0.8
Total Organic Milk Products	213	858	3.3	4.0
<b>Total Fluid Milk Products</b>	<b>4,091</b>	<b>16,634</b>	<b>0.0</b>	<b>-0.4</b>

Data may not add due to rounding.

<sup>1</sup>The California Department of Food and Agriculture (CDFA) clarified reporting instructions starting in July 2015, for packaged product moving plant to plant prior to ultimate distribution. This improved the accuracy of current numbers, but makes current year to prior years comparisons less accurate, and will overstate any year over year decrease in sales.

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**Package Sales of Total Fluid Milk Products in Federal Milk Orders and California, for April 2016**

Marketing Area	Order Number	Sales		Change from:	
		Month	Year to Date	Previous Year	Year to Date
		<i>(million pounds)</i>		<i>(percent)</i>	
Northeast	001	689	2,805	0.0	-1.1
Appalachian	005	267	1,097	-0.1	-0.5
Florida	006	235	958	2.7	2.6
Southeast	007	369	1,524	-1.1	-0.1
Upper Midwest	030	323	1,295	3.0	1.4
Central	032	347	1,407	-0.6	-0.3
Mideast	033	450	1,836	-0.5	-0.7
Pacific Northwest	124	159	663	-3.2	-0.2
Southwest	126	377	1,517	1.2	0.7
Arizona	131	90	366	-0.4	0.2
California	---	456	1,834	-1.2	-3.3
All Orders (Totals)		3,307	13,469	0.2	0.0
All Areas (Totals)		3,763	15,303	0.0	-0.4

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**Estimated Total U.S. Sales of Fluid Milk Products, for 2016**

Month	Conventional	Organic	Total
	<i>(million pounds)</i>		
Jan	4,076	218	4,294
Feb	3,830	213	4,043
Mar	3,992	214	4,206
Apr	3,878	213	4,091
May			
Jun			
Jul			
Aug			
Sep			
Oct			
Nov			
Dec			
Ann	15,776	858	16,634

Data may not add due to rounding.

**Estimated Total U.S. Sales of Fluid Milk Products, for 2015**

Month	Conventional	Organic	Total
	<i>(million pounds)</i>		
Jan	4,222	210	4,432
Feb	3,757	199	3,956
Mar	4,017	211	4,228
Apr	3,884	206	4,090
May	3,844	195	4,039
Jun	3,630	199	3,829
Jul	3,717	202	3,918
Aug	3,851	192	4,043
Sep	3,912	207	4,119
Oct	4,126	204	4,330
Nov	3,964	199	4,163
Dec	4,104	214	4,318
Ann	47,028	2,437	49,465

Data may not add due to rounding.

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**Annual Estimated Summary of U.S. Sales of Conventional Fluid Milk Products, for 2016**

Month	Conventional Production Practices									
	Whole Milk	Flavored Whole Milk	Reduced Fat Milk (2%)	Low Fat Milk (1%)	Fat Free Milk (Skim)	Flavored Fat Reduced	Butter-milk	Other Fluid Milk Products	Total Fat-Reduced	Total Milk Products
	<i>(million pounds)</i>									
Jan	1,220	47	1,372	615	431	344	42	5	2,763	4,076
Feb	1,141	48	1,257	575	403	360	42	4	2,595	3,830
Mar	1,198	51	1,324	597	417	355	46	4	2,693	3,992
Apr	1,162	49	1,267	585	399	373	39	4	2,624	3,878
May										
Jun										
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										
Ann	4,722	195	5,219	2,372	1,650	1,433	168	17	10,674	15,776

Data may not add due to rounding.

**Annual Estimated Summary of U.S. Sales of Conventional Fluid Milk Products, for 2015**

Month	Conventional Production Practices									
	Whole Milk	Flavored Whole Milk	Reduced Fat Milk (2%)	Low Fat Milk (1%)	Fat Free Milk (Skim)	Flavored Fat Reduced	Butter-milk	Other Fluid Milk Products	Total Fat-Reduced	Total Milk Products
	<i>(million pounds)</i>									
Jan	1,193	45	1,436	656	495	350	43	4	2,937	4,222
Feb	1,071	43	1,267	577	435	319	42	3	2,598	3,757
Mar	1,139	48	1,339	627	464	352	45	4	2,782	4,017
Apr	1,102	46	1,278	609	446	359	42	4	2,691	3,884
May	1,109	45	1,274	605	439	328	40	3	2,646	3,844
Jun	1,122	47	1,284	540	418	174	42	3	2,416	3,630
Jul	1,173	47	1,339	540	419	152	43	4	2,450	3,717
Aug	1,155	48	1,332	576	428	268	41	3	2,605	3,851
Sep	1,119	50	1,288	606	427	376	41	6	2,697	3,912
Oct	1,191	53	1,357	630	445	388	43	19	2,821	4,126
Nov	1,162	51	1,316	585	420	335	48	46	2,657	3,964
Dec	1,240	54	1,390	593	427	301	47	51	2,711	4,104
Ann	13,776	577	15,899	7,143	5,263	3,703	516	150	32,009	47,028

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**Annual Estimated Summary of U.S. Sales of Organic Fluid Milk Products, for 2016**

Month	Organic Production Practices							Total Fat-Reduced Milk	Total Milk Products
	Whole Milk	Reduced Fat Milk (2%)	Low Fat Milk (1%)	Fat Free Milk (Skim)	Flavored Fat Reduced	Other Fluid Milk Products			
	<i>(million pounds)</i>								
Jan	77	68	39	28	6	0	141	218	
Feb	75	68	35	28	7	0	138	213	
Mar	75	65	36	27	9	0	138	214	
Apr	77	64	38	27	7	0	136	213	
May									
Jun									
Jul									
Aug									
Sep									
Oct									
Nov									
Dec									
Ann	304	266	147	110	30	1	553	858	

Data may not add due to rounding.

**Annual Estimated Summary of U.S. Sales of Organic Fluid Milk Products, for 2015**

Month	Organic Production Practices							Total Fat-Reduced Milk	Total Milk Products
	Whole Milk	Reduced Fat Milk (2%)	Low Fat Milk (1%)	Fat Free Milk (Skim)	Flavored Fat Reduced	Other Fluid Milk Products			
	<i>(million pounds)</i>								
Jan	68	60	39	32	11	0	142	210	
Feb	63	60	36	29	9	0	135	199	
Mar	69	58	38	31	14	0	141	211	
Apr	66	60	38	31	10	0	140	206	
May	64	58	37	28	8	0	131	195	
Jun	67	60	38	28	7	0	132	199	
Jul	69	60	37	28	8	0	133	202	
Aug	64	59	36	27	5	0	127	192	
Sep	70	65	35	29	7	0	136	207	
Oct	70	64	36	27	7	0	133	204	
Nov	70	59	34	27	8	0	129	199	
Dec	76	66	38	27	7	0	138	214	
Ann	817	730	442	345	101	2	1,618	2,437	

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**Package Sales of Total Fluid Milk Products in Federal Milk Orders and California, for 2016**

Month	Federal Milk Marketing Order Area and Order Number					
	Northeast (FO1)	Appalachian (FO5)	Florida (FO6)	Southeast (FO7)	Upper Midwest (FO30)	Central (FO32)
	<i>(million pounds)</i>					
Jan	723	290	245	404	320	362
Feb	682	266	234	368	321	341
Mar	711	273	244	382	331	357
Apr	689	267	235	369	323	347
May						
Jun						
Jul						
Aug						
Sep						
Oct						
Nov						
Dec						
Ann	2,805	1,097	958	1,524	1,295	1,407

Data may not add due to rounding.

**Package Sales of Total Fluid Milk Products in Federal Milk Orders and California, for 2016 (Continued)**

Month	Federal Milk Marketing Order Area and Order Number						
	Mideast (FO33)	Pacific Northwest (FO124)	Southwest (FO126)	Arizona (FO131)	California	All Orders Combined	All Areas Combined
	<i>(million pounds)</i>						
Jan	479	171	395	94	468	3,483	3,951
Feb	447	163	365	89	443	3,276	3,719
Mar	460	171	380	94	468	3,402	3,870
Apr	450	159	377	90	456	3,307	3,763
May							
Jun							
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
Ann	1,836	663	1,517	366	1,834	13,469	15,303

Data may not add due to rounding.

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**Package Sales of Total Fluid Milk Products in Federal Milk Orders and California, for 2015**

Month	Federal Milk Marketing Order Area and Order Number					
	Northeast (FO1)	Appalachian (FO5)	Florida (FO6)	Southeast (FO7)	Upper Midwest (FO30)	Central (FO32)
	<i>(million pounds)</i>					
Jan	751	287	248	407	340	375
Feb	669	270	221	365	301	338
Mar	728	279	235	380	322	349
Apr	689	267	229	373	314	349
May	701	257	220	360	310	330
Jun	679	250	210	347	295	315
Jul	677	263	216	359	296	325
Aug	669	268	228	390	298	341
Sep	697	272	218	384	313	348
Oct	744	281	236	398	329	365
Nov	707	276	231	382	317	355
Dec	745	279	240	387	333	370
Ann	8,457	3,249	2,732	4,534	3,768	4,161

Data may not add due to rounding.

**Package Sales of Total Fluid Milk Products in Federal Milk Orders and California, for 2015 (Continued)**

Month	Federal Milk Marketing Order Area and Order Number						
	Mideast (FO33)	Pacific Northwest (FO124)	Southwest (FO126)	Arizona (FO131)	California	All Orders Combined	All Areas Combined
	<i>(million pounds)</i>						
Jan	497	173	405	95	499	3,578	4,077
Feb	436	156	349	86	448	3,191	3,639
Mar	465	171	378	94	488	3,401	3,389
Apr	452	164	373	91	461	3,302	3,763
May	444	169	367	88	468	3,247	3,716
Jun	415	158	333	82	437	3,086	3,522
Jul	430	160	345	86	446	3,158	3,604
Aug	450	162	359	92	462	3,257	3,719
Sep	452	170	376	90	468	3,320	3,788
Oct	475	173	395	94	489	3,493	3,982
Nov	457	171	375	92	467	3,362	3,830
Dec	484	176	384	96	480	3,493	3,973
Ann	5,458	2,004	4,442	1,084	5,613	39,890	45,503

Data may not add due to rounding.

## Methodology: Estimated Fluid Milk Products Sales

### Definition:

**In – Area Sales** are dispositions (deliveries) of fluid milk products in consumer type packages from milk processing (bottling) plants to outlets in Federal Order marketing areas that sell directly to consumers. These outlets include food stores, convenience stores; warehouse stores/wholesale clubs, non-food stores, schools, food service industry, and home delivery.

**Data:** The Estimated Fluid Milk Products Sales are established using Federal milk marketing order (FMMO) in-area sales (in pounds), California Department of Food and Agriculture (CDFA) sales (in gallons), and interpolating fluid sales based on population density in remaining areas. The In-Area Sales data are collected by Federal Milk Marketing Orders and aggregated by Market Information Branch of Agricultural Marketing Service (AMS). The California data are collected and published by the Dairy Marketing Branch of the California Department of Food and Agriculture; see <http://www.cdfa.ca.gov/dairy>. California's Class I data includes different products than the FMMO's Class I. AMS adjusts California's Class I sales to be comparable to FMMO's Class I sales. The differences are:

- California's Class I sales includes half and half as a Class I product, where the FMMO Class II definition includes half and half.
- California includes buttermilk as a Class II product. California does not publish sales of Class II products. The FMMO considers buttermilk a Class I product. To establish comparable data for Class I products, AMS assumes California's buttermilk production equals buttermilk sales.
- California does not publish separate products in the Organic Flavored drink category. AMS applies the Pacific Northwest FMMO's ratio within this category to CDFA's data to estimate separate sales volumes for the two product categories: Organic Reduced Fat Milk and Organic Reduced Fat Flavored Milk.

The resulting CDFA product indications are converted to milk pound equivalent (by product) using product conversion factors published by USDA in 1965 called "*Full Committee Report of Study Conducted in 13 Federal Milk Order Markets on Volume-Weight Conversion Factors For Milk.*"

**Reliability:** Federal order in-area sales are subject to revision for three years following the initial monthly report. The AMS audit staff periodically perform on-site audits on a company's sales records to ensure accurate reporting of pool information. For enforcement purposes, the information used in this report is subject to audit for up to three years after the month pooled.

**Report aggregation and interpolation:**

**Estimated U.S. Sales of Fluid Milk Products**

Estimated Sales figures are representative of the consumption of fluid milk products in Federal milk marketing order areas and California. The Federal Order In-Area Sales and converted CDFA's Sales data account for approximately 92 percent (based on population density) of total fluid milk sales in the United States. An estimate of total U.S. fluid milk sales is derived by interpolating the remaining 8 percent of sales from the Federal Order and California data.

Sales of individual fluid milk products, subtotals for conventional and organic, total fluid milk products, and total fluid milk products adjusted for calendar composition are reported in pounds for the current month, year-to-date, and previous year's figures. Year over year percent change provide additional comparison for current month and year-to-date figures. The following categories include multiple products:

- Total Conventional Milk Products includes conventional whole, flavored whole, reduced fat, lowfat, fat-free, flavored fat-reduced, and buttermilk.
- Organic Fat-Reduced Milk includes organic reduced fat, lowfat, fat-free, and flavored fat-reduced.
- Total Organic Milk Products organic whole, organic fat-reduced milk products, and other miscellaneous milk products.
- Total Fluid Milk Products includes total conventional milk products, total organic milk products, and other miscellaneous milk products (i.e. eggnog).

The adjusted total fluid milk products are calculated using data from "Ratios for Adjusting In-Area and California Sales for Variation Due to Calendar Composition for Specified Months" table. Each monthly ratio is applied to both the current and previous year. Therefore, publishing annual monthly ratio will cause revisions to the previous year.

Sales of individual fluid milk products, subtotals for conventional and organic, and total fluid milk products are not adjusted using calendar composition.

**Package Sales of Total Fluid Milk Products in Federal Milk Orders and California**

Package Sales figures are representative of the consumption of fluid milk products in Federal milk marketing areas and California.

Sales of total fluid milk products separated by Federal orders are reported in pounds for the current month, year-to-date, and previous year's figures. Year over year percent change provide additional comparison for current month and year-to-date figures. All markets may not total due to rounding.

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**Information Contacts**

Listed below are the specialists in the Agricultural Marketing Service, Dairy Programs, Market Information Branch to contact for additional information. E-mail inquiries may be sent to [dpp@ams.usda.gov](mailto:dpp@ams.usda.gov).

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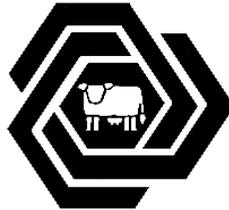
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