

## DAIRY MARKET NEWS AT A GLANCE

### CME GROUP CASH MARKETS (5/10)

**BUTTER:** Grade AA closed at \$2.3400. The weekly average for Grade AA is \$2.3025 (+.0305).

**CHEESE:** Barrels closed at \$1.7100 and 40# blocks at \$1.6800. The weekly average for barrels is \$1.7225 (+.0860) and blocks, \$1.6975 (+.0300).

**NONFAT DRY MILK:** Grade A closed at \$1.0675. The weekly average for Grade A is \$1.0640 (+.0270).

**DRY WHEY:** Extra grade dry whey closed at \$.3475. The weekly average for dry whey is \$.3475 (+.0030).

**CHEESE HIGHLIGHTS:** There was a noteworthy drop-off in spot milk accessibility year over year. Spot milk prices were reported from \$1 over to \$1.50 under Class, significantly pricier than in the previous two years of reported spot prices. However, cheese producers are suggesting their milk stocks are sufficient during a relatively modest spring flush. Cheese production is active nationwide, as stocks continue to grow. On an anecdotal level, a number of cheesemaking contacts relay their respective stocks are in balance. Cheese market tones are generally healthy right now. CME trading has been somewhat busy this week, as barrels have caught their bullish stride.

**BUTTER HIGHLIGHTS:** Cream availability into churning has taken a hit across all regions. Interestingly, even in the West where cream has been more abundant, butter makers are not receiving discounts. Churning does remain steady in the East and West, but micro-fixing schedules have elevated in the Midwest. Orders are steady to slightly slower seasonally, as butter producers have switched their focus to fall demand. Bulk butter is available, although bulk butter pricing has remained mostly steady and at a premium in all regions. Butter markets remain resolute week over week, month over month. Contacts are mixed on market expectations. Some relay they expect a spike to come this fall, others have suggested continued stability.

**FLUID MILK:** Northeast and Southeast farm milk output varies

from farm to farm, but Mid-Atlantic output is increasing. Milk output in the Midwest is steady to slightly up week over week, but contacts continue to suggest spring flush has yet to appear. Spot milk into cheese plants suggests as much: \$1 over to \$1.50 under, but more spots falling nearer to Class III than elsewhere. Western milk production reports are steady week over week and lower year over year as well. Class I sales are steady in most areas, although Pacific Northwestern contacts suggest bottling sales were ahead of expectations. Class II intakes are picking up nationally as well, as ice cream production has picked up for the season, although a little later than some expected due to a cold/rainy spring season. Cream prices are edging up in the East and Midwest, while they remained steady in the West. Cream accessibility from butter churners in the East/Midwest has begun to wane. F.O.B. cream multiples are **1.25-1.32** in the East, **1.20-1.31** in the Midwest, and **1.10-1.22** in the West.

**DRY PRODUCTS:** Low/medium and high heat nonfat dry milk (NDM) prices increased across the nation. Nonfat dry milk market tones are bullish, as recently produced availability has tightened up. NDM market tones are resolute. Dry buttermilk prices are mostly steady, but slightly up again in the Central/East. Western demand is primarily contractual, thus spot trades were lighter. Dry whole milk prices held steady this week, as trading was muted. Dry whole milk production is limited, as condensed skim continues to take on the lion's share of drying time. Dry whey prices are lower in the Midwest, but mixed in other regions. Dry whey markets are unclear, as global issues have burdened dry whey and lactose. Thus, lactose prices were steady to lower. Contacts expect trade issues and African Swine Fever to negatively impact dairy carbohydrates for the near term. Whey protein concentrate 34% (WPC 34%) price range held steady again this week. Inventory reports range from comfortable to a bit tight. Acid and rennet casein prices increased, as buyer hesitation has remedied due to limited and/or uncertain production forecasts.

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### DAIRY MARKET NEWS PRICE SUMMARY FOR MAY 6 - 10, 2019 PRICES (\$/LB) & CHANGES FROM PREVIOUS PUBLISHED PRICES

Commodity	Range	Mostly	Commodity	Range	Mostly	Commodity	Range	Mostly
<b>NDM</b>			<b>BUTTERMILK</b>			<b>LACTOSE</b>		
Central Low/Med. Heat	1.0000 1.0700	1.0200 1.0500	Central/East	1.0000 1.0800		Central/West	0.1950 0.4800	0.2600 0.4100
Change	N.C. N.C.	0.0100 0.0200	Change	N.C. 0.0050		Change	N.C. N.C.	N.C. -0.0100
Central High Heat	1.1300 1.1800		West	0.9500 1.0300	0.9900 1.0100	<b>WPC 34%</b>		
Change	0.0150 N.C.		Change	N.C. N.C.	N.C. N.C.	Central/West	0.7200 1.0625	0.8300 0.9750
West Low/Med. Heat	0.9775 1.0750	1.0000 1.0500	<b>WHEY</b>			Change	N.C. N.C.	N.C. N.C.
Change	0.0125 N.C.	N.C. 0.0300	Central	0.3100 0.3975	0.3400 0.3800	<b>CASEIN</b>		
West High Heat	1.1200 1.2450		Change	N.C. -0.0325	-0.0100 -0.0175	Rennet	3.0275 3.1100	
Change	N.C. N.C.		West	0.2875 0.4575	0.3300 0.4225	Change	0.0975 0.0025	
<b>DRY WHOLE MILK</b>			Change	0.0100 N.C.	N.C. -0.0050	Acid	3.1025 3.2150	
National	1.5800 1.7000		Northeast	0.3400 0.4275		Change	0.0075 0.0050	
Change	N.C. N.C.		Change	-0.0100 0.0025		<b>ANIMAL FEED WHEY</b>		
						Central	0.2500 0.3000	
						Change	N.C. N.C.	

### DAIRY MARKET NEWS PRICE SUMMARY FOR APRIL 29 - MAY 10, 2019 PRICES (\$/MT) & CHANGES FROM PREVIOUS PUBLISHED PRICES

Commodity	Range	Commodity	Range	Commodity	Range
<b>SMP</b>		<b>WHOLE MILK POWDER</b>		<b>BUTTER</b>	
W. Europe	2175 2300	W. Europe	3300 3425	W. Europe	4625 4850
Change	50 50	Change	50 -25	Change	N.C. 100
Oceania	2550 2575	Oceania	3250 3325	Oceania	5600 5900
Change	100 -50	Change	-25 -25	Change	-50 100
S. America	2375 2675	S. America	3075 3425	<b>BUTTEROIL</b>	
Change	25 25	Change	-25 -25	W. Europe	5925 6150
<b>WHEY</b>				Change	25 N.C.
W. Europe	825 1075			<b>CHEDDAR CHEESE</b>	
Change	-25 -50			Oceania	4175 4225
				Change	N.C. -300

DAIRY MARKET NEWS AT A GLANCE**-CONTINUED FROM PAGE 1-**

**INTERNATIONAL DAIRY MARKET NEWS: EUROPE OVERVIEW: WESTERN:** Milk production in Western Europe during 2019 so far has not met expectations. Nevertheless, Western European milk production continues inching up seasonally, with the seasonal peak usually occurring in May each year. Demand for Western European cheese remains strong. However, lower than desired cumulative milk production so far this year in Western Europe is keeping cheese production lower than capacity and lower than desirable. Inventories and aging stocks continue to be poached to meet current demand and obligations. Most scheduled May production is already sold. Increased pricing for what is still available from scheduled June production is likely as sales are closed. **EASTERN OVERVIEW:** Czech Republic milk production through March this year was 0.6 percent higher than the same period of 2018 according to CLAL data provided to USDA. That contributed to increased butter production of 6.7 percent. Cheese production declined 2.0 percent and SMP production declined 9.9 percent.

**OCEANIA OVERVIEW: AUSTRALIA:** Milk production in Australia remains in a late seasonal month by month period of slight fluctuation. In most years, production begins to trend up in July. The structure of the dairy processing industry in Australia remains in a state of evolution. A dairy firm based in Canada is closer to finalizing the purchase of an Australian cheese brand and plants. This possible ownership transfer occurs against the backdrop of recent concerns about the surplus dairy processing capacity in Australia. **NEW ZEALAND:** New Zealand milk production remains in a typical somewhat steep month to month trend down toward the low point during June-July. In most years, milk production begins a sharp upward trend after that. New Zealand must export a significant part of annual milk production. Thus, developments in other traditional export destinations are always matters of importance in looking forward.

**SOUTH AMERICA OVERVIEW:** During the past two weeks, drier climate improved development and quality of grains, oilseeds, and cotton crops in Argentina. In the same fashion, showers promoted immature corn in Brazil. With a significantly ample corn harvest (Safrinha) occurring this season, mainly in Brazil, several South American tambos are having and/or anticipating a relief on feed cost. In terms of milk components, the percentage of fat in the milk is at high seasonal levels, and proteins continue improving, according to some contacts. Milk requests from bottlers are strong as several retail outlets are restocking shelves.

**NATIONAL RETAIL REPORT (DMN):** Conventional dairy ad numbers declined 10 percent this week. Organic dairy ad numbers declined 35 percent. There are nearly fourteen times more conventional dairy ads than organic dairy ads. The most advertised product/category this week is conventional ice cream in 48-64 oz. containers. Ad numbers for 16 oz. cottage cheese more than doubled.

**APRIL CONSUMER PRICE INDEX (BLS):** The April CPI for all food is 257.7, up 1.8 percent from 2018. The dairy products index is 217.5, up 0.3 percent from a year ago. The following are the April to April changes for selected products: fresh whole milk is 2.4 percent; cheese, -2.2 percent; and butter, -1.6 percent.

**MARCH MILK SALES (CDFA):** 3.9 billion pounds of packaged fluid milk products were shipped by milk handlers in March 2019. This was 4.7 percent lower than a year earlier. Estimated sales of total conventional fluid milk products decreased 4.5 percent from March 2018 and estimated sales of total organic fluid milk products decreased 8.1 percent from a year earlier.

**PACKAGED FLUID MILK SALES IN FEDERAL MILK ORDER MARKETS REPORT (FMMO):** The twenty-ninth installment of the Packaged Fluid Milk Sales in Federal Milk Order Markets Report was finalized and is now available at the link below. The publication presents information relating to containers in which fluid milk products are sold, and the methods of distribution used to market these items by handlers regulated under Federal milk marketing orders (FMMO). The survey used to collect 2015 data underwent a modernization process to better reflect marketing conditions. The number of container sizes was reduced in the 2015 survey, which allows for fewer instances of restricted data. The survey grouped products into three categories – conventional, extended shelf life (ESL) and organic. It is available here: <https://www.fmmacentral.com/PDFdata/Container%20Survey%202015.pdf>

COMMODITY	MONDAY MAY 6	TUESDAY MAY 7	WEDNESDAY MAY 8	THURSDAY MAY 9	FRIDAY MAY 10	::	WEEKLY CHANGE	::	WEEKLY AVERAGE
CHEESE									
BARRELS	\$1.7000 (+0.0375)	\$1.7400 (+0.0400)	\$1.7375 (-0.0025)	\$1.7250 (-0.0125)	\$1.7100 (-0.0150)	::	(+0.0475)	::	\$1.7225 (+0.0860)
40 POUND BLOCKS	\$1.7000 (+0.0250)	\$1.7075 (+0.0075)	\$1.7025 (-0.0050)	\$1.6975 (-0.0050)	\$1.6800 (-0.0175)	::	(+0.0050)	::	\$1.6975 (+0.0300)
NONFAT DRY MILK									
GRADE A	\$1.0525 (N.C.)	\$1.0600 (+0.0075)	\$1.0725 (+0.0125)	\$1.0675 (-0.0050)	\$1.0675 (N.C.)	::	(+0.0150)	::	\$1.0640 (+0.0270)
BUTTER									
GRADE AA	\$2.2825 (+0.0100)	\$2.2950 (+0.0125)	\$2.2850 (-0.0100)	\$2.3100 (+0.0250)	\$2.3400 (+0.0300)	::	(+0.0675)	::	\$2.3025 (+0.0305)
DRY WHEY									
EXTRA GRADE	\$0.3475 (N.C.)	\$0.3475 (N.C.)	\$0.3475 (N.C.)	\$0.3475 (N.C.)	\$0.3475 (N.C.)	::	(N.C.)	::	\$0.3475 (+0.0030)

Prices shown are in U.S. dollars per lb. in carlot quantities. Carlot unit weights: CHEESE, 40,000-44,000 lbs.; NONFAT DRY MILK, 41,000-45,000 lbs.; BUTTER, 40,000-43,000 lbs.; DRY WHEY, 41,000-45,000 lbs. Weekly Change is the sum of Daily Price Changes. Weekly Average is the simple average of the Daily Cash Close prices for the calendar week. Weekly Average Change is the difference between current and previous Weekly Average. Computed by Dairy Market News for informational purposes. This data is available on the Internet at [WWW.AMS.USDA.GOV/MARKET-NEWS/DAIRY](http://WWW.AMS.USDA.GOV/MARKET-NEWS/DAIRY)

NOTICE: Five days of trading information can be found at [www.cmegroup.com/trading/agricultural/spot-call-data.html](http://www.cmegroup.com/trading/agricultural/spot-call-data.html)

## BUTTER MARKETS

### NORTHEAST

Eastern churning is steady, but some producers' stock-on-hand forecasts have taken a noteworthy hit, due to less than anticipated cream supplies, caused by lower year-to-date milk output in the region. Milk distributions from heavier output regions are being channeled into some areas of the East. Nonetheless, surplus cream for churning is limited to none, as volatility prompts suppliers to re-assess stock alignment with future butter obligations. Manufacturers are more focused on making salted butter. Butter sales continue to be strong. Food service markets remain active at seasonal levels. Markets are bullish. The bulk butter price for domestic sales, in the East, is reported 6-8 cents over the CME market, with various time frames and averages used. The CME Group April 2019 monthly average price for AA butter, \$2.2635, is down from the March 2019 monthly average of \$2.2773.

Prices for: Eastern U.S., All First Sales, F.O.B., Grade AA, Conventional, and Edible Butter

Bulk Basis Pricing - 80% Butterfat \$/LB: +0.0600 - +0.0800

Secondary Sourced Information:

Tuesday's CME Group cash trading saw Grade AA butter close at \$2.2950, up \$0.0275 from a week ago.

### CENTRAL

The flow of cream into butter churns has continued its slowdown this week. Micro-fixing has become par for the production course for a growing number of Midwest butter plant managers. That said, there are a few butter producers willing to pay the increased price for cream in order to catch up on building stocks after some longer-than-expected plant closures during

the prime churning season, mainly due to weather related closures. Bulk butter is available. Buying interest is steady to slower while meeting most expectations. Butter market tones remain steady. Some contacts are bullish on butter market expectations, bracing for a market spike in the fall, akin to 2014 and 2015. Others suggest recent history would show us butter markets are hesitant to dramatically shift in any direction.

Prices for: Central U.S., All First Sales, F.O.B., Grade AA, Conventional, and Edible Butter

Bulk Basis Pricing - 80% Butterfat \$/LB: +0.0400 - +0.0700

Secondary Sourced Information:

The CME Group April 2019 monthly average price for AA butter, \$2.2635, is down from the March 2019 monthly average of \$2.2773. One year ago the CME Group monthly average was \$2.3145.

### WEST

Cream availability in the West is a bit tighter this year compared to last year at the same period. Therefore, although butter processors are finding the loads of cream needed for their day-to-day churning activities, they are not getting them at discounted prices. Butter production is currently steady. Sales to the retail sector and restaurants have maintained their solidity of the past few weeks. Nevertheless, demand is not enough to absorb all the output available. For that reason, supplies are still growing, but manufacturers intend to keep building inventories for usage later in the year.

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## NATIONAL DAIRY PRODUCTS SALES REPORT

U.S. AVERAGES AND TOTAL POUNDS

WEEK ENDING	BUTTER	CHEESE 40# BLOCKS	CHEESE BARRELS 38% MOISTURE	DRY WHEY	NDM
05/04/2019	2.2477 5,840,893	1.6901 11,530,600	1.6258 11,239,006	.3842 6,345,864	.9914 31,907,298

## CONTINUED FROM PAGE 2

Prices for: Western U.S., All First Sales, F.O.B., Grade AA, Conventional, and Edible Butter

Bulk Basis Pricing - 80% Butterfat \$/LB: +0.0300 - +0.0700

## Secondary Sourced Information:

The Grade AA butter price at the CME Group on Wednesday closed at \$2.2850, compared to the weekly average price of \$2.2720 from last week.

The CME Group April 2019 monthly average price for AA butter, \$2.2635, is down from the March 2019 monthly average of \$2.2773. One year ago the CME Group monthly average was \$2.3145

**National Retail Report Dairy – Butter Summary**

Advertised Prices at Major Retail Supermarket Outlets ending period of 5/3/2019 to 5/9/2019

Butter 1#	<u>Weighted Average Price</u>		
	This Period	Last Week	Last Year
National			
Organic	\$6.09	n.a.	\$5.81
Conventional	\$3.68	\$3.79	\$3.18

Regional (Conventional)	<u>Prices This Period</u>		
	Wtd. Ave.	Low	High
Alaska	n.a.	n.a.	n.a.
Hawaii	\$3.79	\$3.79	\$3.79
Midwest	\$3.19	\$2.99	\$3.50
Northeast	\$3.58	\$2.79	\$4.49
Northwest	\$3.70	\$2.49	\$3.99
South Central	\$3.99	\$3.99	\$3.99
Southeast	n.a.	n.a.	n.a.
Southwest	\$4.15	\$3.99	\$4.29

Regional (Organic)	<u>Prices This Period</u>		
	Wtd. Ave.	Low	High
Alaska	n.a.	n.a.	n.a.
Hawaii	n.a.	n.a.	n.a.
Midwest	n.a.	n.a.	n.a.
Northeast	\$5.29	\$5.29	\$5.29
Northwest	n.a.	n.a.	n.a.
South Central	n.a.	n.a.	n.a.
Southeast	\$6.49	\$6.49	\$6.49
Southwest	n.a.	n.a.	n.a.

**Dairy Products Report – Butter Summary**

Released May 2, 2019, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Butter Production – States and United States: March 2018 and 2019

Region	<u>Monthly Production (1000 pounds)</u>			<u>Percent Change from</u>	
	Mar. 2018	Feb. 2019	Mar. 2019	Mar. 2018	Feb. 2019
United States	181,847	164,525	174,836	-3.9	6.3
Atlantic					
Pennsylvania	19,394	17,605	17,244	-11.1	-2.1
	8,055	7,308	7,653	-5.0	4.7
Central	71,317	69,170	71,733	0.6	3.7
West	91,136	77,750	85,859	-5.8	10.4
California	59,004	48,416	55,286	-6.3	14.2

Butter Production – Cumulative Production January - March

Report Month	<u>Cumulative Production (1000 pounds)</u>		<u>Percent Change from</u>
	2018	2019	2018
March	531,659	529,003	-0.5

## CHEESE MARKETS

## NORTHEAST

Northeastern cheese makers relay milk is readily available in the area. Cheddar and Italian cheese productions are fairly stable. Class III operations are at or near capacity at this time. Manufacturers' supplies are balanced to growing. Some market participants report strong cheese sales. Food service and retail sectors' demands have been healthy this spring. Cheddar cheese interest is stronger as grilling season is active in the United States. Cheddar cheese spot prices have heightened on various market exchanges. Spot market activity is steady to a bit lower. Barrel cheddar cheese trades are decreased this week. The DMN Northeast April 2019 monthly average price for cheddar blocks is \$2.2647, compared to \$2.1705 one month ago. Processed 5# sliced average price is \$1.9580, compared to \$1.8208 one month ago. Northeast wholesale cheese prices for cheddar and Muenster decreased, \$0.0100, but process cheese prices moved up, \$0.0350. The Grade A Swiss price declined \$0.0075 following the release of the April 2019 Announcement of Class and Component Prices. The Class III skim milk price for April 2019 saw a 99 cents increase.

WHOLESALE SELLING PRICES: DELIVERED  
DOLLARS PER POUND(MIXED LOTS (1000-5000 POUNDS))

Cheddar 40 pound Block	2.1275-2.4125
Muenster	2.1125-2.4625
Process American 5 pound Sliced	1.7700-2.2500
Swiss 10-14 pound Cuts	2.9950-3.3175

## MIDWEST

Cheese demand reports remain mixed in the Central U.S. Some pizza cheese producers are reporting sales are slower than expected, while sales numbers are ahead of last year at this time. Curd producers are also reporting mixed demand. Some say orders are quiet, while others suggest April/May have been unexpectedly bullish. Spot milk prices remained steady this week, as milk inventories have yet to meet the flush levels of previous years. Reported spot milk sales were \$1 over to \$1.50 under Class. For recent historical context, the average spot milk price was \$2.50 under and \$4.50 under two years ago during this week. Cheese inventories within the region are generally under control, although national stocks are long. The cheese markets have contacts content this week. Some cheese analysts were caught off guard by the upward movement, as both blocks and barrels broached the \$1.70 mark.

WISCONSIN WHOLESALE SELLING PRICES: DELIVERED  
DOLLARS PER POUND(MIXED LOTS (1000-5000 POUNDS))

Blue 5 pounds	2.3025-3.3725
Brick 5 pounds	2.0350-2.4600
Cheddar 40 pound Block	1.7575-2.1575
Monterey Jack 10 pounds	2.0100-2.2150
Mozzarella 5-6 pounds	1.8350-2.7750
Muenster 5 pounds	2.0350-2.4600
Process American 5 pound Loaf	1.7250-2.0850
Swiss 6-9 pound Cuts	2.5100-2.6275

## Secondary Sourced Information:

This week, a cooperative export assistance program accepted requests for export assistance to sell 544,542 pounds (247 metric tons) of cheese and 33,069 pounds (15 metric tons) of cream cheese.

## WEST

Western cheese production is active. Cheesemakers say they have plenty of milk available for the vats, and manufacturers are running at or near full capacity. Domestic demand is solid, but prices in a few

trading venues are making it challenging to compete in some international markets. Without export assistance or price concessions, some U.S. cheese sellers are facing headwinds to make large sales overseas. Manufacturers suggest they can move enough cheese to keep their inventories in balance. In some cases, manufacturers even relay their cheese stocks are committed to comfortably snug.

WHOLESALE SELLING PRICES: DELIVERED  
DOLLARS PER POUND(MIXED LOTS (1000-5000 POUNDS))

Cheddar 10 pound Cuts	1.9750-2.1950
Cheddar 40 pound Block	1.7950-2.2375
Monterey Jack 10 pounds	1.9850-2.2575
Process American 5 pound Loaf	1.7125-1.9675
Swiss 6-9 pound Cuts	2.5925-3.0225

## FOREIGN TYPE

In Germany, the cheese market is generally stable with unchanged demand from the global and the domestic markets. The European Union (EU) cheese output is active as the volumes of fluid milk produced increased consecutively in the past two weeks. Supplies of cheese are in good balance with contractual obligations. However, some spot purchasers are struggling to get what they need. Cheese prices are even in the EU. The U.S. prices for wholesale blue, gorgonzola, parmesan Italy, and Romano declined \$.0100, and domestic Swiss cheese prices decreased \$.0075. The prices of all other cheese types are the same as last week.

WHOLESALE SELLING PRICES: FOB DISTRIBUTORS DOCK  
DOLLARS PER POUND (1000 - 5000 POUNDS, MIXED LOTS)

VARIETY	:	NEW YORK	:	IMPORTED	:	DOMESTIC
Blue	:	2.6400-5.2300	:		:	2.1800-3.6675*
Gorgonzola	:	3.6900-5.7400	:		:	2.6875-3.4050*
Parmesan	:	-0-	:		:	3.5700-5.6600*
Romano	:	-0-	:		:	3.3700-5.5250*
Sardo Romano (Argentina)	:	2.8500-4.7800	:		:	-0-
Reggianito (Argentina)	:	3.2900-4.7800	:		:	-0-
Jarlsberg	:	2.9500-6.4500	:		:	-0-
Swiss	:	-0-	:		:	3.0325-3.3550*
Swiss (Finland)	:	2.6700-2.9300	:		:	-0-

\* = Price change.

## COLD STORAGE

WEEKLY COLD STORAGE HOLDINGS - SELECTED STORAGE CENTERS  
IN THOUSAND POUNDS - INCLUDING GOVERNMENT STOCKS

	:	BUTTER	:	CHEESE
05/06/2019	:	41593	:	93875
05/01/2019	:	41153	:	94603
CHANGE	:	440	:	-728
% CHANGE	:	1	:	-1

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## CHEESE MARKETS

CONTINUED FROM PAGE 3

## National Retail Report Dairy – Cheese Summary

Advertised Prices at Major Retail Supermarket Outlets ending during the period of 5/3/2019 to 5/9/2019

Cheese 8 oz. Blocks	Weighted Average Price		
	This Period	Last Week	Last Year
National			
Organic	n.a.	n.a.	n.a.
Conventional	\$2.37	\$2.21	\$2.37

Regional (Conventional)	Wtd. Ave.	Low	High
Alaska	n.a.	n.a.	n.a.
Hawaii	\$1.25	\$1.25	\$1.25
Midwest	\$2.30	\$1.77	\$2.50
Northeast	\$2.45	\$1.77	\$3.50
Northwest	\$2.46	\$2.00	\$2.99
South Central	\$2.17	\$2.00	\$2.22
Southeast	\$2.44	\$1.99	\$3.00
Southwest	\$2.22	\$1.99	\$2.50

Cheese 8 oz. Shred	Weighted Average Price		
	This Period	Last Week	Last Year
National			
Organic	n.a.	\$2.99	n.a.
Conventional	\$2.31	\$2.14	\$2.38

Regional (Conventional)	Wtd. Ave.	Low	High
Alaska	\$3.50	\$3.50	\$3.50
Hawaii	\$1.25	\$1.25	\$1.25
Midwest	\$2.25	\$1.50	\$2.50
Northeast	\$2.42	\$1.77	\$3.49
Northwest	\$2.11	\$1.99	\$2.33
South Central	\$2.39	\$1.67	\$3.00
Southeast	\$2.28	\$1.27	\$2.50
Southwest	\$2.18	\$1.67	\$2.50

## Dairy Products Report – Cheese Summary

Released May 3, 2019, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

## Cheese Production – United States: March 2018 and 2019

Total Cheese <sup>1</sup>	Monthly Production (1000 pounds)			Percent Change from	
	Mar. 2018	Feb. 2019	Mar. 2019	Mar. 2018	Feb. 2019
Region					
United States	1,108,022	991,346	1,100,605	-0.7	11.0
Atlantic	134,235	117,515	133,106	-0.8	13.3
Central	510,984	450,479	507,390	-0.7	12.6
West	462,803	423,352	460,109	-0.6	8.7

American Cheese <sup>2</sup>	Monthly Production (1000 pounds)			Percent Change from	
	Mar. 2018	Feb. 2019	Mar. 2019	Mar. 2018	Feb. 2019
Region					
United States	443,185	391,027	435,105	-1.8	11.3
Atlantic	28,686	25,544	26,434	-7.9	3.5
Central	219,657	194,895	213,082	-3.0	9.3
West	194,842	170,588	195,589	0.4	14.7

Italian Cheese	Monthly Production (1000 pounds)			Percent Change from	
	Mar. 2018	Feb. 2019	Mar. 2019	Mar. 2018	Feb. 2019
Region					
United States	483,095	441,082	483,546	0.1	9.6
Atlantic	62,602	53,274	62,307	-0.5	17.0
Central	198,809	176,821	199,694	0.4	12.9
West	221,684	210,987	221,545	-0.1	5.0

## Cheese Production – Cumulative Production January - March

Cheese Type	Cumulative Production (1000 pounds)		Percent Change from
	2018	2019	2018
Total cheese <sup>1</sup>	3,199,516	3,190,304	-0.3
American Cheese <sup>2</sup>	1,297,498	1,265,415	-2.5
Italian Cheese	1,385,108	1,404,762	1.4

1/ Excludes cottage cheese.

2/ Includes cheddar, colby, washed curd, stirred curd, Monterey and jack.

## EAST

Milk output on farms in the **Northeast** region is mixed. Some farms are picking up on production and others have decreased a bit currently. In some areas, weather conditions have been colder, with rain potentially having an effect on cow comfort. Class I sales are fairly steady. Class II and III manufacturers are receiving adequate milk loads that are keeping operations at or near capacity. Many farmers are doing fieldwork and preparing for planting. **Mid-Atlantic** milk production is increasing. Many plants are clearing steady milk supplies, but there is capacity in various facilities. **Southeast** milk production is steady to a bit decreased. There are reports some haulers' routes were cut due to less milk. Class I sales are stable at this time. Some bottlers have requested add-ons onto their regular loads. Some manufacturers in the area are receiving little to no milk this week. **Florida** milk output is level to a bit down. With temperatures getting hotter in the state, some farms are seeing lower milk volumes. Class I sales are flat to lower currently. **Cream** demand continues to be stable in the region. There are few offers on the spot market recently. Many market participants are willing to purchase cream at higher prices. Multiples range 1.25-1.32 this trading week. **Condensed skim** markets are steady to a bit sluggish. Manufacturers are working through contract needs, yet spot sales are less desirable at this time. The DMN April average for Northeast Class II cream was \$2.8091, compared to \$2.6702 a month ago. The DMN April monthly average for Northeast Class II condensed skim was \$0.8330, compared to \$0.7679 a month ago.

Northeastern U.S., F.O.B. Condensed Skim

Price Range - Class II; \$/LB Solids: 0.75 - 0.85

Price Range - Class III; \$/LB Solids: 0.70 - 0.80

Northeastern U.S., F.O.B. Cream

Multiples Range - All Classes: 1.2500 - 1.3200

Price Range - Class II; \$/LB Butterfat: 2.8400 - 2.9990

## Secondary Sourced Information:

With last Wednesday's announcement of the Class and Component Prices, the Class III Skim Milk price increased \$0.99, compared to the previous month.

## MIDWEST

Reports continue to convey spring flush has yet to materialize in the region. Milk production reports from a number of contacts are flat to slightly down year over year, up slightly week over week, while components are generally higher in all aspects. Bottling demand is steady to slower as well. As school semesters are wrapping up, bottling is expected to drop off precipitously in the upcoming weeks. With less skimming for school milk, **cream** prices are beginning to edge up. In the Midwest, multiples are approaching, or in a few cases breaking, the 1.30 mark. In the **South-Central** region, multiples continue to fall in the lower 1.20s for now, and some butter churners received some lower to mid 1.20s for cream spot loads. Spot milk into cheese plants remained steady, prices reported were the same as last week. However, a larger group of those prices are in the \$.50 over to \$.50 under Class range. Flooding and rising rivers have been reported in swaths across the **upper Midwest**. South from there, tornados, hail, floods and standing water in fields have been reported in **Texas** and **Oklahoma**. Farmers throughout the region are patiently waiting for improved conditions to plant and/or harvest crops.

The DMN monthly average of the range price series for Upper Midwest Class II cream during April 2019 was \$2.8389, compared to \$2.7342 in March.

Midwestern U.S., F.O.B. Cream

Multiples Range - All Classes: 1.2000 - 1.3100

Price Range - Class II; \$/LB Butterfat: 2.8627 - 2.9763

Multiples Range - Class II: 1.2600 - 1.3100

## WEST

Milk production in **California** is steady to a bit down. Many farmers have reached the peak of their milk production and are expecting a decline in output in the coming weeks. Milk supplies remain abundant for all manufacturing needs throughout the state. Fluid milk demand is steady to somewhat up according to market participants. In **Arizona**, a good volume of milk is flowing from the farm to processing plants. However, milk outputs are currently lower than last year at the same period. Therefore, processors fear that in the summer, cream and milk supplies available to them might become tighter than in previous years. Class II handling is ongoing as producers plan for summer ice cream needs. Class I demand is unchanged from the previous week. Class IV and III processing is active. In **New Mexico**, milk off the farms is accessible to all customers. Demand is in good balance with supplies. The different classes of milk are moving steadily to their intended processing facilities. Nevertheless, Class II interest seems a little higher than the other Classes of milk. The spring flush is about to end soon in New Mexico. Milk production in the **Pacific Northwest** is trending higher. Class I sales are slightly higher, even as some educational institutions approach the end of their school terms. Manufacturers are not having any real trouble getting the milk needed for processing. A few discounted loads of milk are coming into the region from neighboring states. Milk production in the mountain states of **Idaho, Utah and Colorado** is steady. Many of the manufacturers have plenty of milk to keep plants running at or near capacity. However, a few hiccups at facilities have created minor disruptions to milk flows, pushing some milk into surrounding states. A few loads were discounted to \$3 to \$4 below Class to help them move. **Condensed skim** is plentiful in the West, and it is moving across state borderlines to satisfy market demand. While the majority of condensed skim is finding its way to the dryers, some loads are going to ice cream processing. **Cream** supplies are slightly firmer this week, but continue to be accessible to dairy market participants. Butter processing is active, though some cream is being channeled toward the making of ice cream. Cream multiples remain at 1.10 to 1.22.

Western U.S., F.O.B. Cream

Multiples Range - All Classes: 1.1000 - 1.2200

## CONTINUED FROM PAGE 4

**Dairy Products Report - Ice Cream, Regular, Hard**

Released May 2, 2019, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Ice Cream, Regular (Hard) Production – States and United States: March 2018 and 2019

Region	<u>Monthly Production (1000 lbs)</u>		<u>Percent Change from</u>		
	March	Feb.	March	March	Feb.
	2018	2019	2019	2018	2019
United States	63,553	52,120	65,559	3.2	25.8
Atlantic	13,996	12,447	14,239	1.7	14.4
Pennsylvania	3,138	2,631	3,345	6.6	27.1
Central	36,967	30,099	39,782	7.6	32.2
Missouri	3,811	2,965	3,403	-10.7	14.8
Ohio	2,227	1,721	1,897	-14.8	10.2
West	12,590	9,574	11,538	-8.4	20.5
California	6,480	4,337	6,037	-6.8	39.2
Oregon	1,222	980	1,317	7.8	34.4
Utah	2,849	2,276	1,949	-31.6	-14.4

Ice Cream, Regular (Hard) – Cumulative Production February - March

Report Month	<u>Cumulative Production</u>		<u>Percent Change</u>
	(1000 lbs)		from
	2018	2019	2018
March	172,684	171,230	-0.8

**National Retail Report Dairy – Fluid Milk Summary**

Advertised Prices at Major Retail Supermarket Outlets ending during the period of 5/3/2019 to 5/9/2019

Half Gallon, All Fat Tests		<u>Weighted Average Price</u>		
National	This Period	Last Week	Last Year	
Organic	\$3.87	\$3.73	\$3.85	
Conventional	\$1.16	\$1.45	\$1.97	

Regional (Conventional)	Wtd. Ave.	Low	High
Alaska	n.a.	n.a.	n.a.
Hawaii	n.a.	n.a.	n.a.
Midwest	\$0.88	\$0.88	\$0.88
Northeast	\$1.79	\$1.79	\$1.79
<u>Northwest</u>	n.a.	n.a.	n.a.
South Central	\$1.77	\$0.99	\$2.97
Southeast	\$0.88	\$0.88	\$0.88
Southwest	n.a.	n.a.	n.a.

Regional (Organic)	Wtd. Ave.	Low	High
Alaska	\$2.49	\$2.49	\$2.49
Hawaii	n.a.	n.a.	n.a.
Midwest	\$3.09	\$2.29	\$3.79
Northeast	\$4.48	\$3.48	\$5.99
Northwest	\$4.00	\$4.00	\$4.00
South Central	\$4.15	\$4.00	\$4.49
Southeast	\$4.13	\$2.49	\$4.49
Southwest	\$2.97	\$2.49	\$4.00

Gallon, All Fat Tests		<u>Weighted Average Price</u>		
National	This Period	Last Week	Last Year	
Organic	\$6.99	\$5.00	\$5.85	
Conventional	\$2.51	\$3.16	\$2.51	

Regional (Conventional)	Wtd. Ave.	Low	High
Alaska	\$4.24	\$2.99	\$4.89
Hawaii	n.a.	n.a.	n.a.
Midwest	\$2.62	\$1.98	\$3.00
Northeast	\$2.20	\$1.99	\$2.99
Northwest	\$1.99	\$1.99	\$1.99
South Central	\$2.89	\$2.89	\$2.89
Southeast	n.a.	n.a.	n.a.
Southwest	\$2.49	\$2.49	\$2.49

Regional (Organic)	Wtd. Ave.	Low	High
Alaska	n.a.	n.a.	n.a.
Hawaii	n.a.	n.a.	n.a.
Midwest	n.a.	n.a.	n.a.
Northeast	n.a.	n.a.	n.a.
Northwest	n.a.	n.a.	n.a.
South Central	n.a.	n.a.	n.a.
Southeast	\$6.99	\$6.99	\$6.99
Southwest	n.a.	n.a.	n.a.



## NONFAT DRY MILK, BUTTERMILK &amp; WHOLE MILK

Prices represent carlot/trucklot quantities for domestic and export sales packaged in 25 kg. or 50 lb. bags, or totes, spray process, dollars per pound.

## NONFAT DRY MILK - CENTRAL AND EAST

**CENTRAL:** Although the low/medium heat nonfat dry milk (NDM) range held steady, the mostly price series pushed up in the Central region. As milk production has yet to reach spring flush potential, the amount of condensed skim drying is not where some producers expected it to be. Thus, recently produced spot loads are difficult to come by for end users. Those end users able to utilize whey protein concentrate 34% in lieu of NDM are taking advantage of the notable price difference. High heat NDM saw a price shift up on the bottom of the range, as trading remained somewhat quiet in the region. Generally, the NDM market tone is bullish. Some contacts suggest markets are rangebound and nearing their apex, while others imply a more confident market ahead whether related to the EU intervention stock, more Mexican export buying interest, and/or less milk year-over-year.

**EAST:** The East nonfat dry milk market price moved higher. Production rates are unchanged at most plants. Good Class I demand, in some areas, and lower milk intakes has led to less than capacity drying at balancing plants. Those NDM processors are focused on building inventories to fulfill mid-to-late summer contracts, while limiting sales to NDM spot buyers. The market maintains strength. High heat nonfat dry milk production runs are intermittent and geared to standing orders. Stocks are tight.

Prices for: Eastern and Central U.S., All First Sales, F.O.B., Extra Grade & Grade A, Conventional, and Edible Nonfat Dry Milk  
 Price Range - Low & Medium Heat; \$/LB: 1.0000 - 1.0700  
 Mostly Range - Low & Medium Heat; \$/LB: 1.0200 - 1.0500

Prices for: Eastern and Central U.S., All First Sales, F.O.B., Extra Grade & Grade A, Conventional, and Edible Nonfat Dry Milk  
 Price Range - High Heat; \$/LB: 1.1300 - 1.1800

## Secondary Sourced Information:

The April NDM monthly average price, at the CME Group, is \$0.9986 compared to \$0.9671 the previous month.

## NONFAT DRY MILK - WEST

F.O.B. prices for low/medium heat nonfat dry milk are trending higher at the bottom of the range and at the top of the mostly price series. Market conditions seem to be firming up as reflected by the prices. Inventories of low/medium heat nonfat dry milk are balanced to tight. According to some contacts, most future outputs for Q2/Q3 have already been contracted. Current production, although active, is below last year's volumes. Domestic demand is flat while international sales are strong, especially the orders coming from Mexico. On the other hand, high heat nonfat dry milk prices are unchanged this week. The supplies are becoming more restricted due to inadequate time availability for drying. High heat nonfat dry milk outputs are primarily made to contractual orders. The April 2019 Dairy Market News monthly average for the West low/medium heat nonfat dry milk mostly series is \$0.9873 compared to \$0.7370 a year ago. The average for Western high heat nonfat dry milk is \$1.1297 compared to \$0.9233 a year ago.

Prices for: Western U.S., All First Sales, F.O.B., Extra Grade & Grade A, Conventional, and Edible Nonfat Dry Milk  
 Price Range - Low & Medium Heat; \$/LB: 0.9775 - 1.0750  
 Mostly Range - Low & Medium Heat; \$/LB: 1.0000 - 1.0500

Prices for: Western U.S., All First Sales, F.O.B., Extra Grade & Grade A, Conventional, and Edible Nonfat Dry Milk  
 Price Range - High Heat; \$/LB: 1.1200 - 1.2450

## Dairy Products Report – Nonfat Dry Milk, Human Summary

Released May 2, 2019, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

**Nonfat Dry Milk, Human Production – States & United States:  
 March 2018 and 2019**

Region	Monthly Production (1000 pounds)		Percent Change from		
	March 2018	Feb. 2019	March 2019	March 2018	Feb. 2019
United States	177,980	153,806	163,707	-8.0	6.4
Atlantic	36,202	27,506	33,210	-8.3	20.7
Pennsylvania	18,120	14,119	15,560	-14.1	10.2
Central	26,181	30,509	27,879	6.5	-8.6
West	115,597	95,791	102,618	-11.2	7.1
California	69,665	61,538	68,561	-1.6	11.4
Other States 1/	90,195	78,149	79,586	-11.8	1.8

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

**Nonfat Dry Milk, Human Production – Cumulative Production Feb - March**

Report Month	Cumulative Production (1000 pounds)		Percent Change from	
	2018	2019	2018	2019
March	494,357	490,203	-0.8	

**Manufacturers' stocks end-of-month 3/**

Product	End of month stocks (1000 pounds)		Percent Change from		
	March 2018	Feb. 2019	March 2019	March 2018	Feb. 2019
Nonfat Dry Milk, Human	297,296	310,447	288,802	-2.9	-7.0

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

**Manufacturers' shipments 4/**

Product	March		March		
	2018	2019	2019	2018	2019
Nonfat dry milk, human	165,149	126,000	173,539	5.1	37.7

4/ For dry products, shipments of bulk goods.

-CONTINUED ON PAGE 5A-

## NONFAT DRY MILK, BUTTERMILK &amp; WHOLE MILK

Prices represent carlot/trucklot quantities for domestic and export sales packaged in 25 kg. or 50 lb. bags, or totes, spray process, dollars per pound.

## -CONTINUED FROM PAGE 5-

## DRY BUTTERMILK - CENTRAL AND EAST

**CENTRAL:** It was another week of a bullish, albeit slow, march northbound for dry buttermilk prices in the Central region. Undoubtedly, interest remains strong from end users. That said, drying is limited with whole milk and condensed skim being prioritized, taking up limited and valuable production space. Additionally, producers who already report tight supplies suggest the trend of lighter buttermilk processing is unlikely to change anytime soon. Markets are steadily bullish.

**EAST:** Prices are steady to higher in the dry buttermilk spot market. The April 2019 Dairy Market News monthly average price for the East dry buttermilk is \$1.0259, compared to \$0.9990 the previous month. East supplies remain short of regional demand. Active sales of condensed buttermilk prompts low dry buttermilk output. New production and existing inventory are mostly committed. Delays are occurring for some buyers/sellers contracted sales. Markets continue to show firmness.

Prices for: Eastern and Central U.S., All First Sales, F.O.B., Conventional, and Edible Buttermilk

Price Range ; \$/LB: 1.0000 - 1.0800

## DRY BUTTERMILK - WEST

No change has taken place on the price range and mostly price series of dry buttermilk this week, despite a strong market tendency reported in the past weeks. Buttermilk demand is steady for contractual obligations, but light for unplanned short notice requests. The bakery sector is taking stable loads. The manufacturing of dry buttermilk is irregular because processors continue to prioritize condensed skim drying. Dry buttermilk stocks are balanced to tight depending on the provenance. The April 2019 Dairy Market News monthly average for the West dry buttermilk mostly series is \$0.9807 compared to \$0.7136 a year ago.

Prices for: Western U.S., All First Sales, F.O.B., Conventional, and Edible Buttermilk

Price Range ; \$/LB: .9500 - 1.0300

Mostly Range - ; \$/LB: .9900 - 1.0100

## Dairy Products Report – Dry Buttermilk Summary

Released May 2, 2019, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

**Dry Buttermilk – United States: March 2018 and 2019**

Region	<u>Monthly Production (1000 pounds)</u>			<u>Percent Change from</u>	
	March	Feb.	March	March	Feb.
	2018	2019	2019	2018	2019
United States	12,347	9,470	9,828	-20.4	3.8

**Manufacturers' stocks end-of-month 3/**

Product	<u>End of month stocks (1000 pounds)</u>			<u>Percent Change from</u>	
	March	Feb.	March	March	Feb.
	2018	2019	2019	2018	2019
Dry butter-milk, total	25,933	20,094	17,413	-32.9	-13.3

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

## DRY WHOLE MILK - U.S.

In light weekly trading, national dry whole milk prices are unchanged. Contractual demand is steady, but spot load demand is intermittent. Most manufacturers are concentrating on nonfat dry milk or skim milk powder production within their dryer schedules, thus, dry whole milk production is taking a back seat to those commodities. Inventories are adequate for near term fulfillment of contracts.

Prices for: U.S., All First Sales, F.O.B., Conventional, and Edible Dry Whole Milk

Price Range - 26% Butterfat; \$/LB: 1.5800 - 1.7000

**WHEY, WPC 34%, LACTOSE & CASEIN**

Prices represent carlot/trucklot quantities for domestic and export sales packaged in 25 kg. or 50 lb. bags, or totes, spray process, dollars per pound.

**DRY WHEY- CENTRAL**

Another fairly slow trading week on the Central region dry whey spot market saw another downtrend on dry whey prices. Cheesemakers' discounts on milk are far from where they were at this time last year and in 2017. Therefore, although most cheese/whey production is steady, levels are not expected to match previous years' inventory buildups. That said, loads from out West are still making their way East and the market has been clearly affected by dry whey that would have been exported and is now finding its way on the domestic trading floor. Animal feed whey trading is slow, and prices are unchanged. Dry whey market tones remain somewhat bearish. The DMN monthly average of the mostly price series for Central dry whey during April was \$0.3922, compared to \$0.4163 in March. The monthly average of the range price series for Central animal feed whey during April was \$0.2852, compared to \$0.3105 in March.

Prices for: Central U.S., All First Sales, F.O.B., Extra Grade & Grade A, Conventional, and Edible Dry Whey  
Price Range - Animal Feed; \$/LB: .2500 - .3000

Prices for: Central U.S., All First Sales, F.O.B., Extra Grade & Grade A, Conventional, and Edible Dry Whey  
Price Range - Non-Hygroscopic; \$/LB: .3100 - .3975  
Mostly Range - Non-Hygroscopic; \$/LB: .3400 - .3800

**DRY WHEY- NORTHEAST**

Northeastern whey powder prices are steady on the bottom, but a bit higher on the top. On various market exchanges, weekly prices have risen, overall pushing current price levels up at this time. In general, trading activity is sluggish in the region as current prices are not very appealing to some buyers. Many market participants are waiting to see where prices head before making additional purchases. Dry whey production is stable as Class III plants are clearing ample milk volumes for strong cheese processing. Whey powder supplies are growing in some facilities. Manufacturers report regular contracts continue to receive weekly loads. Some market participants are seeing additional offers on the spot market. The market tone is mixed, as inventories are expanding, but spot prices moved incrementally higher as well. The April 2019 Dairy Market News monthly average for Northeast dry whey was \$0.3898 compared to \$0.4042 one month ago.

Prices for: Eastern U.S., All First Sales, F.O.B., Extra Grade & Grade A, Conventional, and Edible Dry Whey  
Price Range - Non-Hygroscopic; \$/LB: .3400 - .4275

**DRY WHEY- WEST**

Western whey prices moved slightly higher at the bottom of the range, slid slightly lower at the top of the mostly price series, but otherwise held steady. Whey manufacturers report adequate demand domestically, but headwinds as they try to send whey into export channels. At a major industry meeting this week, market participants mused on how the market will respond to asperities within the market. African swine fever, dampened international demand, trade issues, competition and weaker prices are adding to the development of an unsettled market tone. Inventories have grown, even as production is lower. Manufacturers are trying to find that right balance between producing dry whey or other products along the whey protein complex. The DMN monthly average of the mostly price series for West dry whey during April was \$0.3807 compared to \$0.3976 one month ago and \$0.2678 a year ago.

Prices for: Western U.S., All First Sales, F.O.B., Extra Grade & Grade A, Conventional, and Edible Dry Whey  
Price Range - Non-Hygroscopic; \$/LB: .2875 - .4575  
Mostly Range - Non-Hygroscopic; \$/LB: .3300 - .4225

**Dairy Products Report – Whey Summary**

Released May 2, 2019, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture

**Dry Whey (Human) Production – States and United States**

State	Monthly Production (1000 pounds)		Percent Change from		
	Mar. 2018	Feb. 2019	Mar. 2019	Mar. 2018	Feb. 2019
United States	89,855	73,675	77,348	-13.9	5.0
Atlantic	21,922	18,735	21,995	0.3	17.4
Central	45,747	29,528	33,142	-27.6	12.2
Wisconsin	32,666	20,481	23,538	-27.9	14.9
West	22,186	25,412	22,211	0.1	-12.6

**Manufacturers' stocks end of month <sup>1</sup>**

	End of month stocks (1000 pounds)			Percent Change from	
	Mar. 2018	Feb. 2019	Mar. 2019	Mar. 2018	Feb. 2019
Dry Whey	74,920	68,217	79,446	6.0	16.5
Human	1,087	707	735	-32.4	4.0
Animal	76,007	68,924	80,181	5.5	16.3

1. Stocks held by manufacturers at all points and in transit.

CONTINUED ON PAGE 6A

**WHEY, WPC 34%, LACTOSE & CASEIN**

Prices represent carlot/trucklot quantities for domestic and export sales packaged in 25 kg. or 50 lb. bags, or totes, spray process, dollars per pound.

**CONTINUED FROM PAGE 6****WHEY PROTEIN CONCENTRATE 34%**

Prices for whey protein concentrate 34% are unchanged. Manufacturers have seemed to be able to maintain prices, but in most cases, not much else. Inventories are generally comfortable. However, some industry contacts suggest stocks have grown at some processing locations and are tight at others. Favorite brands and WPC34% meeting infant formula requirements have steady demand and less availability. WPC34% that is more interchangeable has weaker demand and is more plentiful. WPC34% production is steady. The April 2019 Dairy Market News average of the mostly price series for Central and West whey protein concentrate 34% was \$0.9025, compared to \$0.9025 one month ago and \$0.7027 one year ago.

Prices for: Central and Western U.S., All First Sales, F.O.B., Extra Grade, Conventional, and Edible Whey Protein Concentrate  
 Price Range - 34% Protein; \$/LB: .7200 - 1.0625  
 Mostly Range - 34% Protein; \$/LB: .8300 - .9750

**LACTOSE**

Although some processors continue to see solid spot prices for lactose, many manufacturers are facing challenges in the spot market. Lactose prices are slightly lower at the top of the mostly price series, but are otherwise generally stable. Price pressures caused by weak markets for dairy carbohydrates in Southeast Asia continue to chip away at lactose prices. Some industry contacts say they are starting to get push back on contracted prices in a few of their market outlets. They are also hearing of train loads of inexpensive lactose and other dairy products from Eastern Europe finding their way into Southeast Asia. The African swine fever and various trade issues are not trivial matters, and some contacts expect these to influence markets for lactose and other dairy carbohydrates for months. U.S. lactose production is slowly building. Similarly, inventories, while comfortable for some favored brands, are growing for others. The April 2019 Dairy Market News average of the mostly price series for Central and West lactose was \$0.3525, compared to \$0.3650 one month ago and \$0.2333 one year ago.

Prices for: Central and Western U.S., Spot Sales And Up to 3 Month Contracts, F.O.B., Conventional, and Edible Lactose  
 Price Range - Non Pharmaceutical; \$/LB: .1950 - .4800  
 Mostly Range - Non Pharmaceutical; \$/LB: .2600 - .4100

**CASEIN**

Rennet and acid casein prices firmed. Buyers are inking sales to lock in casein availability for near- and medium-term needs. Casein production is somewhat slow and there is uncertainty as to timing and amount of future production in coming months. Many buyers do not foresee much point in taking a wait and see posture. At GDT event 235 on May 7, the rennet casein all contracts price, \$6,610, increased 3.1 percent. The July contract, \$6,852, increased 5.9 percent.

Prices for: Spot Sales And Up to 3 Month Contracts, Free on Board - Warehouse, Non-Restricted, All Mesh Sizes, Conventional, and Edible Casein

Acid; Price Range - \$/LB: 3.1025-3.2150  
 Rennet; Price Range - \$/LB: 3.0275-3.1100

**Dairy Products Report – Whey Derivatives Summary**

Released May 2, 2019, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

**Selected Whey Derivatives Production – United States**

Product	<u>Monthly Production (1000 pounds)</u>		<u>Percent Change from</u>		
	Mar.	Feb.	Mar.	Mar.	Feb.
	2018	2019	2019	2018	2019
Whey Protein Concentrate, human and animal					
25.0-49.9 percent	19,922	15,048	14,777	-25.8	-1.8
50.0-89.9 percent	30,541	24,247	27,570	-9.7	13.7
Whey protein isolates, 90.0 percent or greater					
	10,502	8,884	7,931	-24.5	-10.7
Lactose, human and animal					
	100,861	98,080	110,138	9.2	12.3

**Manufacturers' stocks end of month <sup>1</sup>**

Product	<u>End of month stocks (1000 pounds)</u>		<u>Percent Change from</u>		
	Mar.	Feb.	Mar.	Mar.	Feb.
	2018	2019	2019	2018	2019
Whey Protein Concentrate, human and animal					
25.0-49.9 percent	23,758	27,805	25,207	6.1	-9.3
50.0-89.9 percent	55,179	35,222	35,217	-36.2	
Whey protein isolates, 90.0 percent or greater					
	26,258	20,394	21,164	-19.4	3.8
Lactose, human and animal					
	110,984	102,769	98,005	-11.7	-4.6

1. Stocks held by manufacturers at all points and in transit.

**U.S. Dairy Cow Slaughter (1000 head) under Federal Inspection**

<u>WEEK ENDING</u>	<u>2019 WEEKLY DAIRY COWS</u>	<u>2019 CUMULATIVE DAIRY COWS</u>	<u>2018 WEEKLY DAIRY COWS</u>	<u>2018 CUMULATIVE DAIRY COWS</u>
04/20/2019	61.0	1,076.8	59.8	1,020.3

**WEBSITE:** [http://www.ams.usda.gov/mnreports/sj\\_ls714.txt](http://www.ams.usda.gov/mnreports/sj_ls714.txt)

**SOURCE:** The slaughter data are gathered and tabulated in a cooperative effort by the Agricultural Marketing Service, the Food Safety and Inspection Service, and the National Agricultural Statistics Service, all of USDA

### CLASS III MILK PRICES (3.5% Butterfat)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2014	21.15	23.35	23.33	24.31	22.57	21.36	21.60	22.25	24.60	23.82	21.94	17.82
2015	16.18	15.46	15.56	15.81	16.19	16.72	16.33	16.27	15.82	15.46	15.30	14.44
2016	13.72	13.80	13.74	13.63	12.76	13.22	15.24	16.91	16.39	14.82	16.76	17.40
2017	16.77	16.88	15.81	15.22	15.57	16.44	15.45	16.57	16.36	16.69	16.88	15.44
2018	14.00	13.40	14.22	14.47	15.18	15.21	14.10	14.95	16.09	15.53	14.44	13.78

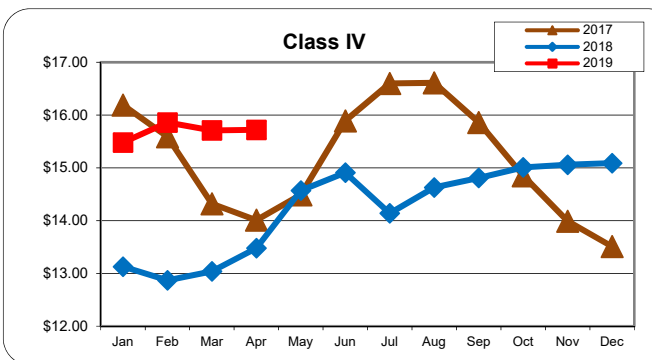
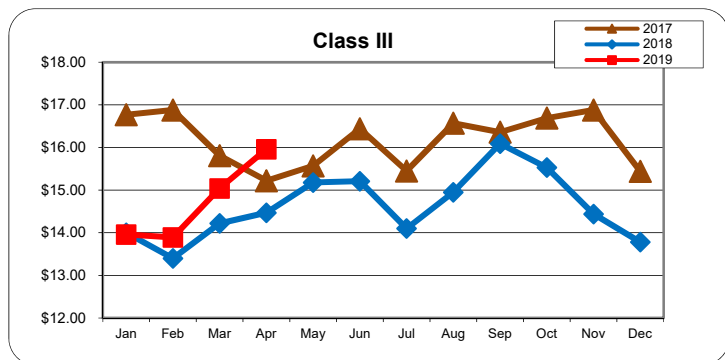
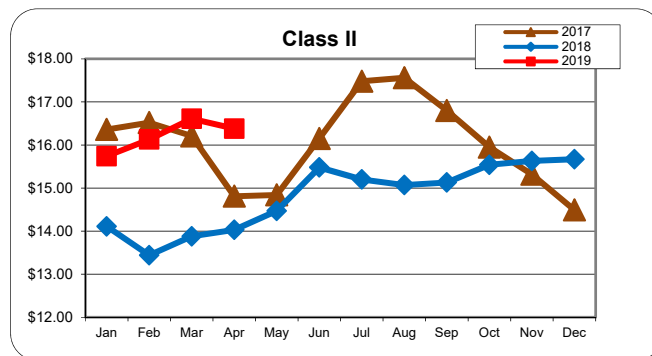
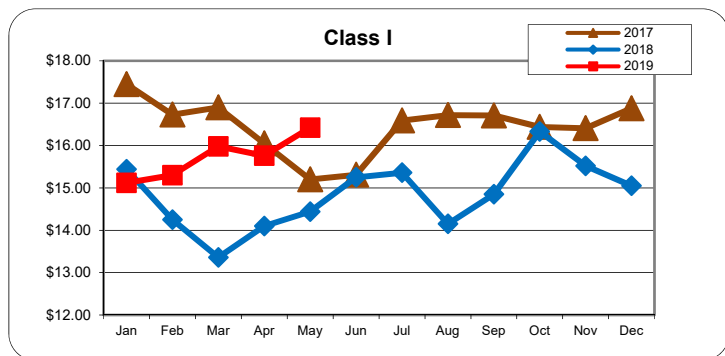
### CLASS IV MILK PRICES (3.5% Butterfat)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2014	22.29	23.46	23.66	23.34	22.65	23.13	23.78	23.89	22.58	21.35	18.21	16.70
2015	13.23	13.82	13.80	13.51	13.91	13.90	13.15	12.90	15.08	16.43	16.89	15.52
2016	13.31	13.49	12.74	12.68	13.09	13.77	14.84	14.65	14.25	13.66	13.76	14.97
2017	16.19	15.59	14.32	14.01	14.49	15.89	16.60	16.61	15.86	14.85	13.99	13.51
2018	13.13	12.87	13.04	13.48	14.57	14.91	14.14	14.63	14.81	15.01	15.06	15.09

**FEDERAL MILK ORDER CLASS PRICES FOR 2019 (3.5% Butterfat)**

CLASS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
I I/	15.12	15.30	15.98	15.76	16.42							
II	15.74	16.13	16.61	16.38								
III	13.96	13.89	15.04	15.96								
IV	15.48	15.86	15.71	15.72								

1/ Specific order differentials to be added to this base price can be found by going to: [www.ams.usda.gov/DairyMarketingStatistics](http://www.ams.usda.gov/DairyMarketingStatistics); then select “Prices”; and then select “Principal Pricing Points.”





**INTERNATIONAL DAIRY MARKET NEWS - EUROPE**

Information gathered April 29 - May 10, 2019

Prices are U.S. \$/MT, F.O.B. port. Information gathered for this report is from trades, offers to sell, and secondary data. This bi-weekly report may not always contain the same products and/or regions. Future reports may be included or withdrawn depending on availability of information. MT = metric ton = 2,204.6 pounds.

**WESTERN OVERVIEW**

Milk production in Western Europe during 2019 so far has not met expectations. Nevertheless, Western European milk production continues inching up seasonally, with the seasonal peak usually occurring in May each year.

Previously unexpected Western European milk production disappointments during early 2019 have been attributed to one factor or another. Now, one third of the way through the year, milk production is disappointing in terms of previously expected results.

Some dairy observers believe that the lingering effects of the drought last year in Germany and France were underestimated. Drought related dairy cow slaughter has not rebounded with herd increases as quickly as had been expected. Carryover feed crops are of lower quality, a factor attributed to growing stress during dry conditions.

A contravening trend to disappointing milk production, helpful to dairy product production, is the continuing decline in sales of packaged fluid milk in Germany and other Western European countries. This is associated with the increase in sales of non-dairy beverages in those countries.

The declining sales of fluid milk result in additional milk being available for more profitable dairy manufacturing to partially offset lower milk production. While it may be normatively disappointing that nondairy sales increase while fluid milk sales decline, empirically, the result contributes to keeping dairy product manufacturers in the game meeting contract obligations at this time.

Ending April, weekly seasonal milk production increases in Germany and France were seen as barely noticeable. When March milk production data for the EU is final, few expect January-March production will be more than year ago for the period. One exception may be Ireland, where early observations unofficially expect milk production will show healthy advances over YTD 2018. Some observers are anticipating Q1 EU milk will be about 1 percent lower than Q1 2018. Overall 2019 milk production is still expected to be higher than 2018 production.

Demand for Western European cheese remains strong. However, lower than desired cumulative milk production so far this year in Western Europe is keeping cheese production lower than capacity and lower than desirable. Inventories and aging stocks continue to be poached to meet current demand and obligations. Most scheduled May production is already sold. Increased pricing for what is still available from scheduled June production is likely as sales are closed.

While the current pace of cheese production and sales can continue for a while, it is not a sustainable long-term proposition. Concern is ameliorated by projections from multiple and varied sources expecting higher milk production in the second half of the year. Cheese production will be a priority destination for the milk. The EU is very conscious of being the largest cheese exporting entity. Cheese manufacturers expect and intend to meet contractual obligations in furtherance of being a global cheese export leader.

**EASTERN OVERVIEW**

Czech Republic milk production through March this year was 0.6 percent higher than the same period of 2018 according to CLAL data provided to USDA. That contributed to increased butter production of 6.7 percent. Cheese production declined 2.0 percent and SMP production declined 9.9 percent.

**BUTTER/BUTTEROIL**

Western European butter prices are steady to higher. The high-end prices represent butter prices firming in France. Prices are mostly stable in Germany, Netherlands and Italy. German observers expect mostly stable butter prices through May. Butteroil prices are steady to up slightly at the bottom end of the price range.

Contracted production is being delivered on schedule. Spot market buyers are generally able to close deals within the current pricing range. Contracts for the second half are still in some flux.

While many buyers are willing to close deals on current prices, some sellers are holding back, hoping to benefit from price increases. This applies both to internal European deals, as well as export transactions. New export deals are in a slow phase now.

Official EU butter production data through March has yet to be released. However, sources in Ireland note that butter production was very active in March and April, with output expected to be officially reported as higher.

Western Europe, 82% Butterfat, Free on Board - Port Butter  
Price Range - \$/MT: 4,625 - 4,850

Western Europe, 99% Butterfat, Free on Board - Port Butteroil  
Price Range - \$/MT: 5,925 - 6,150

**SKIM MILK POWDER**

Western European skim milk powder prices are higher. Prices are highest in Germany, followed by France, then Netherlands.

Internal EU buying increased following the late April holidays. Most current needs have been contracted so current interest is for contracts covering the second half of the year. An additional factor is that little SMP is available for immediate delivery on spot markets. This is not a big factor in terms of price pressures as most buyers are covered for current needs.

Export negotiations also picked up, with some buyers drawn to Western Europe as both a preferred source, as well as offering competitive global pricing. There is more negotiating than deal closing reported this week.

Whether for internal EU customers or export customers, sellers are being more price insistent. Many buyers feel that prices will likely increase in coming months, but easy price capitulation is slow to manifest when one's current needs are covered.

CONTINUED ON PAGE 8A

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**INTERNATIONAL DAIRY MARKET NEWS - EUROPE**

Information gathered April 29 - May 10, 2019

Prices are U.S. \$/MT, F.O.B. port. Information gathered for this report is from trades, offers to sell, and secondary data. This bi-weekly report may not always contain the same products and/or regions. Future reports may be included or withdrawn depending on availability of information. MT = metric ton = 2,204.6 pounds.

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**CONTINUED FROM PAGE 8**

Official EU dairy production data through March has yet to be released. However, sources in Ireland note that with milk production there believed to be nicely up YTD through March, as well as YOY, SMP drying was robust. Output is expected to be officially reported as up, perhaps even by double digit percentages.

Prices for: Europe, All First Sales, Free on Board - Port, Conventional, and Edible Skim Milk Powder

Price Range - 1.25% Butterfat; \$/MT: 2,175 - 2,300

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**WHEY**

Whey prices in Western Europe are lower. Demand is more relaxed. Partly, this relates to week to week slight fluctuations in markets, which may continue for some future weeks. Observers do not believe this week portends any longer trend.

Many buyers have enough whey on hand, or contracted, to slow new purchases. Sellers are more inclined to yield to price conscious buyer, especially with whey concentrates readily available.

Prices for: Western Europe, All First Sales, Free on Board - Port, Conventional, and Edible Dry Whey

Price Range - Non-Hygroscopic; \$/MT: 825 - 1,075

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**WHOLE MILK POWDER**

Whole milk powder prices in Western Europe are mixed, stronger at the low end of the price range, but lower at the top. The highest prices are recorded in Netherlands, then Germany.

Buying interest increased this week following a slow end to April. WMP is available for spot market buyers, but not excessively available. There is some activity related to filling last minute current needs. More focus is on contracting for future delivery.

More tightness is expected moving forward toward the second half of 2019. German sellers are less inclined to finalize deals unless price expectations are met.

Prices for: Europe, All First Sales, Free on Board - Port, Conventional, and Edible Whole Milk Powder

Price Range - 26% Butterfat; \$/MT: 3,300 - 3,425

## INTERNATIONAL DAIRY MARKET NEWS - OCEANIA

Information gathered April 29 - May 10, 2019

Prices are U.S. \$/MT, F.O.B. port. Information gathered for this report is from trades, offers to sell, and secondary data. This bi-weekly report may not always contain the same products and/or regions. Future reports may be included or withdrawn depending on availability of information. MT = metric ton = 2,204.6 pounds.

## OCEANIA DAIRY MARKET OVERVIEW

**AUSTRALIA:** Milk production in Australia remains in a late seasonal month by month period of slight fluctuation. In most years, production begins to trend up in July.

The structure of the dairy processing industry in Australia remains in a state of evolution. A dairy firm based in Canada is closer to finalizing the purchase of an Australian cheese brand and plants. This possible ownership transfer occurs against the backdrop of recent concerns about the surplus dairy processing capacity in Australia.

Varied factors are contributing to excess capacity and the resulting lower dairy processing margins. Among these factors are dairy producers exiting the business, smaller herd sizes, and lower producer investments in operations. The last relates to lower profitability as well as tighter credit availability. Some analysts are not terribly optimistic that producer margins will improve much in coming months. If so, that will be a negative factor impacting Australian milk production in the early stages of the next milk production season.

**NEW ZEALAND:** New Zealand milk production remains in a typical somewhat steep month to month trend down toward the low point during June-July. In most years, milk production begins a sharp upward trend after that.

New Zealand must export a significant part of annual milk production. Thus, developments in other traditional export destinations are always matters of importance in looking forward.

Slowing economic growth in China has been said to be causing gloomier demand factors. For example, expanding swine flu in China may result in a far lower pig population. China buys significant amounts of whey from New Zealand, partly to feed the pigs. Substantially lower numbers of Chinese pigs needing to be fed will lead to less need for whey from New Zealand.

Lower demand from China may also impact WMP sales by New Zealand, usually the largest supplier of WMP to China. Almost 90 percent of China's WMP imports in 2018 came from New Zealand and more than 37 percent of New Zealand exports went to China, according to Eurolait. In this case, any significant slowing of recent dairy buying patterns by China will ripple back to New Zealand processors and ultimately impact producer prices. Weaker demand could lead to lower milk pay prices in the coming season.

## BUTTER/BUTTEROIL

Oceania butter prices are mixed, down at the low end of the price range but higher at the top. Pricing for short term needs reflects higher pricing.

Production is lower than during much of the season. Regional butter demand is moderate, with most current production going to fill contracts. Expected deliveries are being met according to most reports.

Oceania, 82% Butterfat, Free on Board - Port Butter  
Price Range - \$/MT: 5,600 - 5,900

Secondary Sourced Information:

At GDT event 235 on May 7, the butter all contracts price, \$5,486, is very slightly lower. The June contract, \$5,890, increased 4.2 percent.

Butter exports from New Zealand January-March 2019, 149,000 MT, were up 28.8 percent from January-March 2018, according to CLAL. The table below shows the top export destinations and country percent change comparing January-March 2019 with January-March 2018.

NEW ZEALAND BUTTER EXPORTS  
JANUARY-MARCH 2019

DESTINATION	% CHANGE 2019/2018	MT
China	- 23.5	16,239
Philippines	+103.0	11,724
Iran	- 11.1	9,797
Australia	- 6.8	9,225

## SKIM MILK POWDER

Oceania skim milk powder prices firmed at the low end of the price range. Prices at the top end are lower.

SMP drying activity has slowed by this late point of the milk production season. Manufacturers tend to produce to fill contracts. Buyers with near term need often fare better seeking SMP from brokers or traders.

Prices for: Oceania, All First Sales, Free on Board - Port, Conventional, and Edible Skim Milk Powder  
Price Range - 1.25% Butterfat; \$/MT: 2,550 - 2,575

Secondary Sourced Information:

At GDT event 235 on May 7, the SMP all contracts price, \$2,521, increased 2.8 percent. The June contract, \$2,573, decreased 1.8 percent.

SMP exports from New Zealand January-March 2019, 119,000 MT, were up 7.5 percent from January-March 2018, according to CLAL. The table below shows the top export destinations and country percent change comparing January-March 2019 with January-March 2018.

NEW ZEALAND SMP EXPORTS  
JANUARY-MARCH 2019

DESTINATION	% CHANGE 2019/2018	MT
China	+ 7.3	30,789
Philippines	+31.1	11,594
Thailand	+ 3.1	9,794
Vietnam	+59.4	9,629

CONTINUED ON PAGE 8C

## INTERNATIONAL DAIRY MARKET NEWS - OCEANIA

Information gathered April 29 - May 10, 2019

Prices are U.S. \$/MT, F.O.B. port. Information gathered for this report is from trades, offers to sell, and secondary data. This bi-weekly report may not always contain the same products and/or regions. Future reports may be included or withdrawn depending on availability of information. MT = metric ton = 2,204.6 pounds.

## CONTINUED FROM PAGE 8B

## CHEESE

Oceania cheese prices are steady to lower. There has been some buyer resistance to higher prices, inducing sellers to be more flexible at the top end of the price range.

Cheese manufacturing has slowed. It is limited by declining milk production. Regular buyers tend to be contracted and most production is scheduled to fill contracts. Spot markets have light activity.

Prices for: Oceania Cheese, Cheddar, 39% Maximum Moisture, Free on Board - Port,

Price Range - \$/MT: 4,175 - 4,225

## Secondary Sourced Information:

At GDT event 235 on May 7, the cheddar all contracts price, \$4,217, decreased 2.4 percent. The June contract, \$4,195, decreased 7.0 percent.

Cheese exports from New Zealand January-March 2019, 90,000 MT, were up 12.3 percent from January-March 2018, according to CLAL. The table below shows the top export destinations and country percent change comparing January-March 2019 with January-March 2018.

NEW ZEALAND CHEESE EXPORTS  
JANUARY-MARCH 2019

DESTINATION	% CHANGE 2019/2018	MT
Japan	+ 8.7	17,037
Australia	-12.9	14,082
China	+40.7	12,113

WMP exports from New Zealand January-March 2019, 468,000 MT, were up 23.4 percent from January-March 2018, according to CLAL. The table below shows the top export destinations and country percent change comparing January-March 2019 with January-March 2018.

NEW ZEALAND WMP EXPORTS  
JANUARY-MARCH 2019

DESTINATION	% CHANGE 2019/2018	MT
China	+64.9	133,224
Algeria	- 10.6	54,757
Bangladesh	+56.6	30,778
Thailand	+53.8	26,575

Exchange rates for selected foreign currencies:  
May 6, 2019

.0224 Argentina Peso	.0144 India Rupee
.6991 Australian Dollar	.0090 Japan yen
.2520 Brazil Real	.0527 Mexican Peso
.7436 Canadian Dollar	.6611 New Zealand Dollar
.0015 Chile Peso	.2615 Poland Zloty
1.1200 Euro	.0285 Uruguay Peso

Conversion example: To compare the value of 1 US Dollar to Mexican Pesos: (1/.0527) = 18.9753 Mexican Pesos. Source: "Wall Street Journal"

## WHOLE MILK POWDER

Oceania whole milk powder prices are very slightly lower. The decrease is in the nature of a market fluctuation, not any significant trend reversal. General price stability is expected in coming weeks.

Late season volumes of WMP production are well down from the peak, but WMP often remains the priority dairy product destination for available milk. New Zealand is the dominant global source for WMP. Most WMP produced in New Zealand is destined for export. Several of the largest export destinations have been buying heavily in the early part of 2019. This has led to a continuing emphasis on keeping the WMP flowing to keep traditional customers stocked.

Prices for: Oceania, All First Sales, Free on Board - Port, Conventional, and Edible Whole Milk Powder

Price Range - 26% Butterfat; \$/MT: 3,250 - 3,325

## Secondary Sourced Information:

At GDT event 235 on May 7, the WMP all contracts price, \$3,249, is down 0.5 percent. The June contract, \$3,302, increased 0.3 percent.

**INTERNATIONAL DAIRY MARKET NEWS - SOUTH AMERICA**

Information gathered April 29 - May 10, 2019

Prices are U.S. \$/MT, F.O.B. port. Information gathered for this report is from trades, offers to sell, and secondary data. This bi-weekly report may not always contain the same products and/or regions. Future reports may be included or withdrawn depending on availability of information. MT = metric ton = 2,204.6 pounds.

**SOUTH AMERICA OVERVIEW**

During the past two weeks, drier climate improved development and quality of grains, oilseeds, and cotton crops in Argentina. In the same fashion, showers promoted immature corn in Brazil. With a significantly ample corn harvest (Safrinha) occurring this season, mainly in Brazil, several South American tambos are having and/or are anticipating a relief on feed cost. Year to date, farm milk production in the Southern Cone region, including Brazil, had remained beneath volumes from the past couple of years. Nevertheless, at this point, milk outputs are steadily improving, which is common as this time of the autumn season. In terms of milk components, the percentage of fat in the milk is at high seasonal levels, and proteins continue improving, according to some contacts. Milk requests from bottlers are strong as several retail outlets are restocking shelves. In general, milk/cream supplies are less than adequate for cheese, butter, yogurt and milk caramel manufacturing. However, the expectations among the industry are that milk/cream volumes will continue inching up throughout Q2/Q3, enough to meet most manufacturing needs. As reported by some industry participants, the relative fair/high farm gate prices paid to dairy farmers, and the anticipated relief on feed costs will encourage milk productivity in the near term.

Prices for: South America, All First Sales, Free on Board - Port, Conventional, and Edible Whole Milk Powder  
Price Range - 26% Butterfat; \$/MT: 3,075 - 3,425

**Secondary Sourced Information:**

At the GDT Event 235 on May 7, whole milk powder (WMP) prices across all contract periods averaged \$3,249 per metric ton, down 0.5 percent from the last event.

**SKIM MILK POWDER**

F.O.B. export prices for skim milk powder (SMP) shifted slightly up in the Southern Cone of South America, following bullish pricing tendencies in some offshore auctions. During the past two weeks, the production of SMP has been curtailed as condensed skim milk intakes are generally scarce throughout the region. Export trading is light inside and outside the Mercosur bloc.

Prices for: South America, All First Sales, Free on Board - Port, Conventional, and Edible Skim Milk Powder  
Price Range - 1.25% Butterfat; \$/MT: 2,375 - 2,675

**Secondary Sourced Information:**

At the GDT Event 235 on May 7, skim milk powder (SMP) prices across all contract periods averaged \$2,521 per metric ton, up 2.8 percent from the last event.

**WHOLE MILK POWDER**

Free on board export prices of whole milk (WMP) adjusted slightly down among the main exporting countries of dairy products in the Southern Cone region of South America. The market tone is unsettled right now. It seems that the WMP supply is somewhat exceeds the immediate interest of the customers. Contrasting with a couple of weeks ago, the drying schedules for condensed whole milk are more active, stirred by higher farm milk yields across the region. WMP inventories vary from plant to plant. The bottom price of the range is reflecting some extra-Mercosur transactions, principally to Algeria, while the top is mirroring moderate WMP exports to Brazil.



## CME GROUP, INC FUTURES

Selected settling prices

Month	04/26	04/29	04/30	05/01	05/02	05/03	05/06	05/07	05/08	05/09
<b>III MILK FUTURES (Pit-Traded) (\$/cwt)</b>										
APR 19	15.97	15.97	15.96	15.96						
MAY 19	16.32	16.21	16.08	16.12	16.17	16.37	16.50	16.45	16.41	16.35
JUN 19	16.39	16.37	16.21	16.26	16.35	16.58	16.62	16.55	16.43	16.35
JUL 19	16.53	16.52	16.37	16.43	16.52	16.77	16.80	16.69	16.51	16.40
AUG 19	16.74	16.77	16.66	16.69	16.81	17.08	17.09	16.99	16.81	16.68
SEP 19	16.94	16.96	16.84	16.87	16.98	17.21	17.24	17.18	17.00	16.88
OCT 19	16.89	16.93	16.81	16.84	16.96	17.16	17.15	17.14	16.96	16.81
NOV 19	16.78	16.83	16.72	16.72	16.84	17.00	16.97	16.96	16.80	16.70
DEC 19	16.61	16.59	16.49	16.49	16.59	16.70	16.67	16.65	16.51	16.39
<b>CLASS IV MILK FUTURES (Pit-Traded) (\$/cwt)</b>										
APR 19	15.81	15.81	15.76	15.72						
MAY 19	16.32	16.32	16.28	16.28	16.28	16.27	16.25	16.18	16.18	16.15
JUN 19	16.75	16.75	16.68	16.68	16.68	16.68	16.71	16.74	16.74	16.74
JUL 19	17.04	17.04	17.01	16.97	16.97	17.02	17.06	17.10	17.11	17.11
<b>CASH SETTLED BUTTER FUTURES (Electronic-Traded) (¢/lb)</b>										
APR 19	227.53	227.58	227.00	226.69						
MAY 19	230.50	230.50	229.30	229.30	229.30	228.75	229.00	228.75	228.00	227.08
JUN 19	233.50	234.00	233.50	232.90	232.40	232.75	232.48	231.50	231.50	233.00
JUL 19	235.28	235.93	235.75	235.03	234.13	235.90	235.90	235.70	235.98	237.00
<b>NONFAT DRY MILK FUTURES (Pit-Traded) (¢/lb)</b>										
APR 19	96.50	96.50	96.50	96.41						
MAY 19	101.98	101.58	101.08	101.00	101.10	101.13	101.13	101.13	100.90	100.95
JUN 19	104.88	104.75	104.10	104.00	104.50	104.80	105.45	105.95	105.08	104.80
JUL 19	107.50	107.15	106.45	106.30	106.53	107.45	107.90	108.25	107.00	107.23
<b>WHEY (Electronic-Traded) (¢/lb)</b>										
APR 19	39.00	39.00	39.13	39.23						
MAY 19	37.55	37.80	37.80	38.13	38.40	38.90	38.80	38.80	38.80	37.70
JUN 19	36.50	36.85	37.00	36.85	37.20	37.60	37.60	36.80	36.65	35.53
JUL 19	36.25	36.60	36.60	36.60	36.60	37.30	36.80	35.83	35.50	33.50
<b>CHEESE CSC (Electronic-Traded) (\$/lb)</b>										
APR 19	1.65	1.65	1.65	1.65						
MAY 19	1.69	1.68	1.67	1.67	1.67	1.69	1.70	1.70	1.70	1.70
JUN 19	1.71	1.70	1.68	1.69	1.70	1.72	1.73	1.72	1.71	1.71
JUL 19	1.72	1.72	1.70	1.71	1.72	1.74	1.74	1.74	1.72	1.72

Source: <http://www.cmegroup.com/market-data/daily-bulletin.html>

## 2019 INTERNATIONAL MONTHLY AVERAGES

AREA and PRODUCT	: JAN	: FEB	: MAR	: APR
DAIRY MARKET NEWS <sup>1</sup>				
BUTTER (82% BUTTERFAT)				
-- OCEANIA	4215	4442	4919	5619
-- WEST EUROPE	5060	4998	4761	4686
BUTTEROIL (99% BUTTERFAT)				
-- WEST EUROPE	6842	6347	6098	6072
CHEDDAR CHEESE (39% MAXIMUM MOISTURE)				
-- OCEANIA	3484	3660	4008	4280
SKIM MILK POWDER (1.25% BUTTERFAT)				
-- OCEANIA	2451	2612	2578	2551
-- SOUTH AMERICA	2651	2514	2493	2480
-- WEST EUROPE	2125	2254	2208	2181
WHEY POWDER (NONHYGROSCOPIC)				
-- WEST EUROPE	1006	1032	1007	984
WHOLE MILK POWDER (26% BUTTERFAT)				
-- OCEANIA	2768	3020	3257	3316
-- SOUTH AMERICA	2842	2941	3217	3250
-- WEST EUROPE	3199	3293	3276	3340

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1 Monthly averages are based on weekly prices and are time-weighted according to the number of workdays in the month – Saturdays and Sundays excluded.

## Consumer Price Index and Average Retail Prices for Selected Products, U.S. City Average <sup>1</sup>

Consumer Price Index												
Month	All Food		Dairy Products		Fresh Whole Milk		Cheese		Butter		Meat, Poultry, Fish, and Eggs	
	CPI <sup>2</sup>	Pct. Chg <sup>3</sup>	CPI <sup>2</sup>	Pct. Chg <sup>3</sup>	CPI <sup>2</sup>	Pct. Chg <sup>3</sup>	CPI <sup>2</sup>	Pct. Chg <sup>3</sup>	CPI <sup>2</sup>	Pct. Chg <sup>3</sup>	CPI <sup>2</sup>	Pct. Chg <sup>3</sup>
Feb 2019	257.2	2.0	216.6	0.1	196.9	0.1	224.7	-1.7	252.0	3.6	248.6	0.6
Mar 2019	257.7	2.1	217.5	0.5	198.3	2.2	225.3	-2.0	253.1	5.8	249.1	-0.2
Apr 2019	257.7	1.8	217.5	0.3	199.6	2.4	225.2	-2.2	240.1	-1.6	249.2	-1.1

U.S. City Average Retail Prices										
Month	Whole Milk <sup>4</sup>		Butter <sup>5</sup>		Process Cheese <sup>6</sup>		Natural Cheese <sup>7</sup>		Ice Cream <sup>8</sup>	
	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
	<i>(dollars)</i>									
Feb	2.900	2.923	N/A	N/A	3.863	4.064	5.247	5.082	4.981	4.670
Mar	2.944	2.903	N/A	N/A	3.924	4.105	5.193	5.064	4.791	4.825
Apr	2.980	2.924	N/A	N/A	3.928	4.034	5.290	5.030	4.821	4.709

N/A = Not available. <sup>1</sup> "CPI Detailed Report," "Consumer Prices: Energy and Food," BLS, U.S. Department of Labor. According to BLS, average prices are best used to measure the price level in a particular month. To measure price change over time, the CPI is more appropriate. <sup>2</sup> The standard reference base period for these indexes is 1982-1984 = 100. <sup>3</sup> Percent change over previous year. <sup>4</sup> Per gallon. <sup>5</sup> Per pound. Grade AA, salted, stick butter. <sup>6</sup> Per pound, any size and type of package. <sup>7</sup> Per pound, cheddar cheese in any size and type of package and variety (sharp, mild, smoked, etc). <sup>8</sup> Per 1/2 gallon prepackaged regular.

## March Milk Sales

3.9 billion pounds of packaged fluid milk products were shipped by milk handlers in March 2019. This was 4.7 percent lower than a year earlier. Estimated sales of total conventional fluid milk products decreased 4.5 percent from March 2018 and estimated sales of total organic fluid milk products decreased 8.1 percent from a year earlier.

### Estimated Total U.S. Sales of Fluid Milk Products, March 2019, with Comparisons <sup>1</sup>

Product Name	Sales <sup>2</sup>		Change from:	
	March	Year to Date <sup>4</sup>	Previous Year <sup>4</sup>	Year to Date <sup>4</sup>
	<i>(million pounds)</i>		<i>(percent)</i>	
<b>Conventional Production Practice</b>				
Whole Milk	1,243	3,750	-3.6	--- <sup>5</sup>
Flavored Whole Milk	79	205	28.8	25.1
Reduced Fat Milk (2%)	1,208	3,635	-5.4	-3.2
Low Fat Milk (1%)	490	1,476	-8.4	-6.2
Fat-Free Milk (Skim)	294	881	-11.6	-10.0
Flavored Fat-Reduced Milk	330	1,011	-2.5	-2.5
Buttermilk	37	103	-15.2	-16.2
Other Fluid Milk Products	25	75	647.9	661.7
Total Fat-Reduced Milk <sup>3</sup>	2,323	7,004	-6.5	-4.6
Total Conventional Milk Products	3,707	11,136	-4.5	-2.2
<b>Organic Production Practice</b>				
Whole Milk	89	272	-1.4	2.1
Reduced Fat Milk (2%)	63	200	-8.9	-4.6
Low Fat Milk (1%)	29	90	-7.4	-6.3
Fat-Free Milk (Skim)	14	47	-29.9	-24.2
Flavored Fat-Reduced Milk	7	21	-19.3	-18.3
Other Fluid Milk Products	0	0	-85.0	34.8
Total Fat-Reduced Milk <sup>3</sup>	114	359	-12.6	-9.0
Total Organic Milk Products	202	631	-8.1	-4.5
<b>Total Fluid Milk Products</b>	<b>3,909</b>	<b>11,767</b>	<b>-4.7</b>	<b>-2.4</b>

<sup>1</sup> These figures are representative of the consumption of fluid milk products in Federal milk order marketing areas, which account for approximately 92 percent 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 milk order data. <sup>2</sup> Data may not add due to rounding. <sup>3</sup> Both conventional and organic fat-reduced milk categories are the total of reduced fat, lowfat, skim and flavored fat-reduced milk. <sup>4</sup> Year to Date Sales, Change from Previous Year, and Change in Year to Date figures include the addition of the California Federal Milk Order, which also includes several changes in product classification. The California Federal Milk Marketing Order became effective on November 1, 2018. <sup>5</sup> Represents zero change.

### Package Sales of Total Fluid Milk Products in Federal Milk Orders, March 2019, with Comparisons <sup>1</sup>

Marketing Area	Order Number	Sales <sup>2</sup>		Change from:	
		March	Year to Date	Previous Year <sup>3</sup>	Year to Date <sup>3</sup>
		<i>(million pounds)</i>		<i>(percent)</i>	
Northeast	001	658	1,935	-7.0	-4.7
Appalachian	005	268	795	-3.2	-3.7
Florida	006	234	698	-3.5	-1.0
Southeast	007	341	1,052	-9.1	-5.4
Upper Midwest	030	282	849	-7.1	-5.1
Central	032	330	1,001	-4.6	-3.2
Mideast	033	445	1,347	-1.2	1.6
California <sup>3</sup>	051	447	1,344	-0.1	4.0
Pacific Northwest	124	151	458	-6.6	-3.8
Southwest	126	356	1,093	-3.8	-2.6
Arizona	131	84	254	-8.3	-5.5
<b>All Areas (Totals) <sup>1</sup></b>		<b>3,596</b>	<b>10,826</b>	<b>-4.7</b>	<b>-2.4</b>

<sup>1</sup> These figures are representative of the consumption of total fluid milk products in the respective area. <sup>2</sup> Data may not add due to rounding. <sup>3</sup> The figures for California include data obtained from the California Department of Food and Agriculture (CDFA) for the months of January through October 2018, and prior years. The California Federal Milk Marketing Order became effective November 1, 2018.



## Dairy Market News Branch

Agricultural  
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# National Retail Report-Dairy

Websites: <http://www.marketnews.usda.gov/mnp/da-home> and <http://www.ams.usda.gov/mnreports/dybretail.pdf>

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### Advertised Prices for Dairy Products at Major Retail Supermarket Outlets ending during the period of 05/10/2019 to 05/16/2019

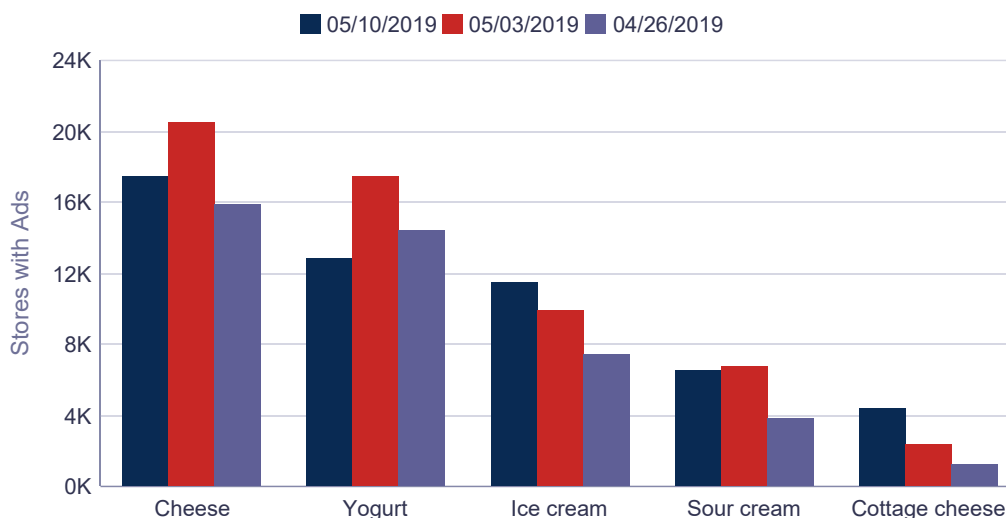
Conventional dairy ad numbers declined 10 percent this week. Organic dairy ad numbers declined 35 percent. There are nearly fourteen times more conventional dairy ads than organic dairy ads. The most advertised product/category this week is conventional ice cream in 48-64 oz. containers. Ad numbers increased 16 percent. The weighted average advertised price, \$2.97, increased 4 cents from last week. Ad numbers for 16 oz. cottage cheese more than doubled. The weighted average advertised price, \$2.02, is down \$0.33 from last week.

The national weighted average advertised price for conventional milk half gallons is \$1.89, compared to \$4.02 for organic milk half gallons, an organic price premium of \$2.13. Conventional half gallon milk ad numbers decreased 84 percent. Organic half gallon milk ad numbers decreased 72 percent.

Conventional cheese ad numbers decreased 18 percent. The weighted average price for conventional 8 oz. shred cheese is \$2.22, down 9 cents from last week. The weighted average price for organic 8 oz. shred cheese is \$3.29, resulting in a \$1.07 organic price premium.

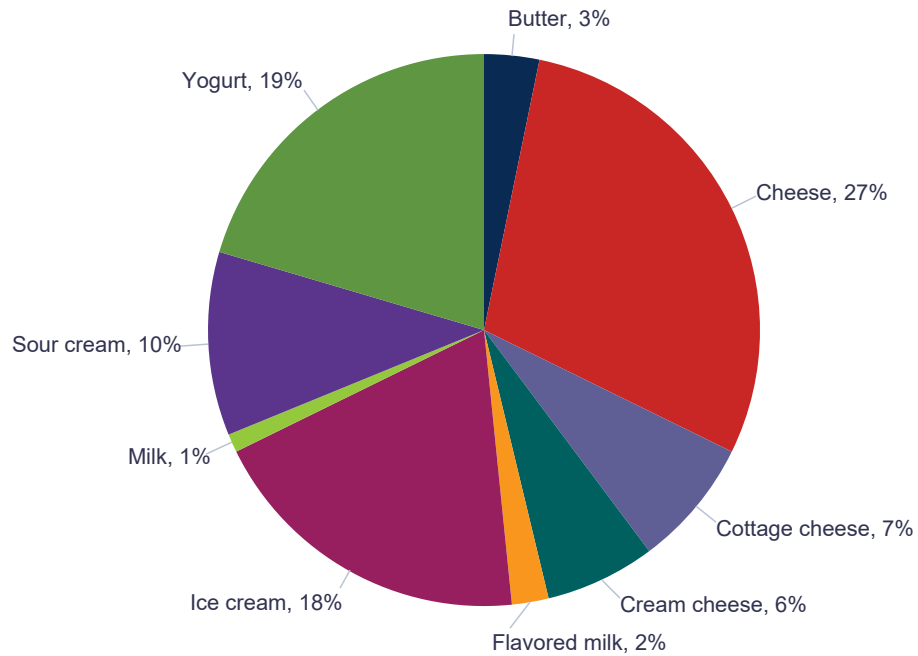
Conventional yogurt ad numbers decreased 29 percent. Organic yogurt ads increased 68 percent. The weighted average advertised price for conventional yogurt in 4 to 6 oz. containers is \$0.51, even with last week. The weighted average price for organic yogurt in 4 to 6 oz. containers, \$0.74, results in a 23-cent organic price premium. There are over seven times more ads for conventional 4-6 oz. yogurt than organic 4-6 oz. yogurt.

Top 5 Commodities Featured This Week

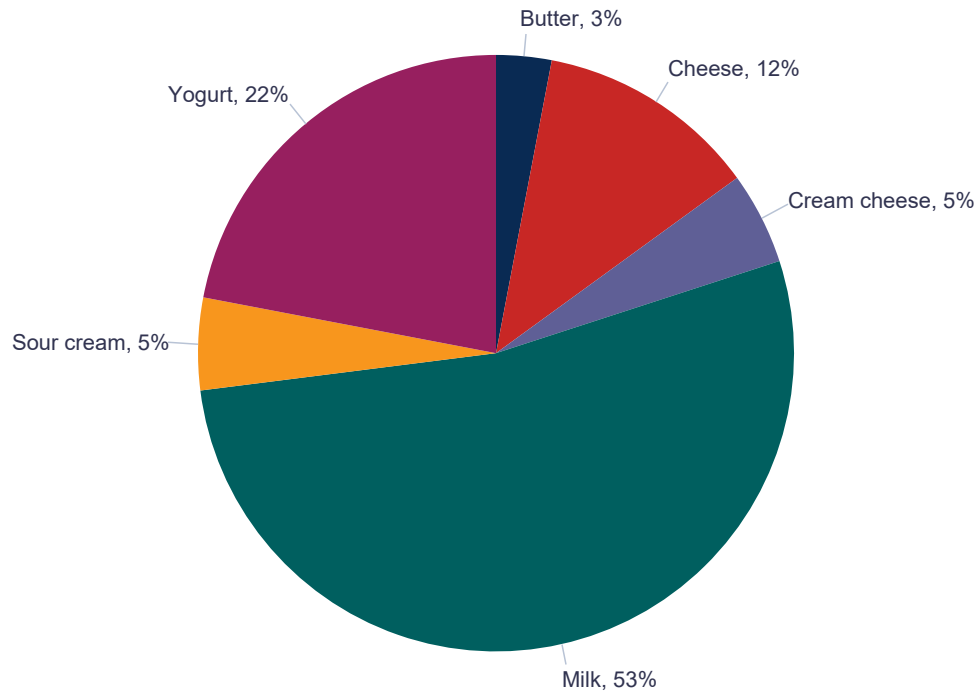




### Percentage of Total Conventional Ads by Commodity



### Percentage of Total Organic Ads by Commodity





## NATIONAL -- CONVENTIONAL DAIRY PRODUCTS

Commodity	Type	Pack Size	THIS PERIOD		LAST WEEK		LAST YEAR	
			Stores With Ads	Wtd Avg Price	Stores With Ads	Wtd Avg Price	Stores With Ads	Wtd Avg Price
Butter		1 #	1928	3.60	1728	3.68	4761	3.13
Cheese	Natural Varieties	8 oz block	6827	2.01	7895	2.37	5031	2.26
Cheese	Natural Varieties	1 # block	1741	3.92	2548	3.90	1644	4.04
Cheese	Natural Varieties	2 # block	702	5.17	1350	5.93	803	6.92
Cheese	Natural Varieties	8 oz shred	7053	2.22	6901	2.31	6909	2.18
Cheese	Natural Varieties	1 # shred	592	4.34	1822	4.04	1794	3.98
Cottage cheese		16 oz	4346	2.02	2055	2.35	3037	1.92
Cream cheese		8 oz	3843	1.82	3710	2.18	6180	1.67
Flavored milk	All fat tests	half gallon	556	2.65	738	3.20	735	2.50
Flavored milk	All fat tests	gallon	630	3.38	435	2.92	272	3.03
Ice cream		48-64oz	11475	2.97	9915	2.93	14820	3.09
Milk	All fat tests	half gallon	133	1.89	850	1.16	892	2.43
Milk	All fat tests	gallon	326	2.56	1367	2.51	1793	2.48
Sour cream		16 oz	6301	1.91	6566	1.54	5419	1.74
Yogurt	Greek	4-6 oz	7519	.94	7473	.95	8126	.95
Yogurt	Greek	32 oz	1792	4.17	3204	4.20	1685	4.82
Yogurt	Yogurt	4-6 oz	2147	.51	6040	.51	4987	.50
Yogurt	Yogurt	32 oz	485	2.39	172	2.39	539	2.50

## REGIONAL -- CONVENTIONAL DAIRY PRODUCTS

Commodity	Type	Pack Size	NORTHEAST U.S.			SOUTHEAST U.S.			MIDWEST U.S.		
			Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price
Butter		1 #	2.99-4.99	560	3.78	3.50-3.99	949	3.76	3.00	69	3.00
Cheese	Natural Varieties	8 oz block	1.67-2.99	1584	2.13	1.23-3.00	2921	1.82	1.88-2.00	442	1.94
Cheese	Natural Varieties	1 # block	3.19-3.49	376	3.25	3.99-4.99	741	4.30			
Cheese	Natural Varieties	2 # block	5.99	63	5.99				4.99	331	4.99
Cheese	Natural Varieties	8 oz shred	1.88-2.99	1357	2.12	1.49-3.00	1989	2.06	1.66-2.50	1407	2.17
Cheese	Natural Varieties	1 # shred	3.99	135	3.99	4.99	233	4.99			
Cottage cheese		16 oz	1.49-2.99	929	2.26	2.00-2.19	1975	2.01	1.50-2.19	472	1.77
Cream cheese		8 oz	0.77-2.00	917	1.50	1.49-3.00	1973	2.05	1.00-1.25	266	1.05
Flavored milk	All fat tests	half gallon				1.50	214	1.50	1.99	107	1.99
Flavored milk	All fat tests	gallon							2.39-2.98	176	2.58
Ice cream		48-64oz	1.88-3.99	2872	2.68	1.95-5.99	2976	3.24	1.79-3.50	2041	2.61
Milk	All fat tests	gallon							2.50	53	2.50
Sour cream		16 oz	1.69-2.59	1329	2.03	1.50-2.00	3310	1.97	1.00-1.79	454	1.32
Yogurt	Greek	4-6 oz	0.67-1.00	2094	.93	0.80-1.00	2294	.91	0.62-1.00	858	.93
Yogurt	Greek	32 oz	3.49-5.49	653	4.18	3.78	195	3.78	3.99-4.99	415	4.71
Yogurt	Yogurt	4-6 oz	0.50	758	.50	0.50-0.60	471	.51	0.40-0.50	176	.43

Wtd Avg - Simple weighted average



Commodity	Type	Pack Size	NORTHEAST U.S.			SOUTHEAST U.S.			MIDWEST U.S.		
			Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price
Yogurt	Yogurt	32 oz	1.97-2.69	406	2.31						

Commodity	Type	Pack Size	SOUTH CENTRAL U.S.			SOUTHWEST U.S.			NORTHWEST U.S.		
			Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price
Butter		1 #	2.99-3.99	129	3.42	2.99	116	2.99	2.50	105	2.50
Cheese	Natural Varieties	8 oz block	2.00-2.22	1263	2.17	2.00-2.50	557	2.34	2.00	60	2.00
Cheese	Natural Varieties	1 # block	4.99	55	4.99	3.50-3.99	569	3.76			
Cheese	Natural Varieties	2 # block				4.99	178	4.99	4.99-5.99	130	5.46
Cheese	Natural Varieties	8 oz shred	2.00-3.49	682	2.41	1.99-3.49	1453	2.54	1.99-2.00	165	1.99
Cheese	Natural Varieties	1 # shred	4.99	55	4.99	3.50	169	3.50			
Cottage cheese		16 oz	2.00-2.19	196	2.14	1.79-2.19	364	1.92	1.67-2.19	410	1.82
Cream cheese		8 oz	1.25-2.99	438	1.96	1.79	244	1.79			
Flavored milk	All fat tests	half gallon	3.99	121	3.99	3.99	114	3.99			
Flavored milk	All fat tests	gallon				4.49	244	4.49	2.50-2.99	210	2.75
Ice cream		48-64oz	1.79-5.99	1423	3.57	1.79-3.50	1543	2.88	1.79-3.99	529	2.73
Milk	All fat tests	half gallon	1.89	133	1.89						
Milk	All fat tests	gallon				1.99	63	1.99	2.50-2.99	210	2.75
Sour cream		16 oz	1.69-2.00	230	1.92	1.79-1.99	604	1.91	1.67-1.89	350	1.71
Yogurt	Greek	4-6 oz	1.00	299	1.00	0.79-1.00	1578	.97	0.88-1.00	358	.90
Yogurt	Greek	32 oz				2.49-4.99	240	4.34	3.50	289	3.50
Yogurt	Yogurt	4-6 oz	0.50-0.97	185	.63	0.50	369	.50	0.39-0.50	130	.44
Yogurt	Yogurt	32 oz	2.50	55	2.50						

Commodity	Type	Pack Size	ALASKA U.S.			HAWAII U.S.		
			Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price
Cream cheese		8 oz	1.99	5	1.99			
Ice cream		48-64oz	3.79-6.99	33	6.51	3.79-5.99	58	5.08
Sour cream		16 oz				2.25	24	2.25
Yogurt	Greek	4-6 oz	1.25-1.67	38	1.59			
Yogurt	Yogurt	4-6 oz				0.60-0.80	58	.68
Yogurt	Yogurt	32 oz				3.49	24	3.49

## NATIONAL -- ORGANIC DAIRY PRODUCTS

Commodity	Type	Pack Size	THIS PERIOD	LAST WEEK	LAST YEAR
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Wtd Avg - Simple weighted average



			Stores With Ads	Wtd Avg Price	Stores With Ads	Wtd Avg Price	Stores With Ads	Wtd Avg Price
Butter		1 #	142	6.18	322	6.09	61	6.29
Cheese	Natural Varieties	8 oz block					276	2.99
Cheese	Natural Varieties	8 oz shred	503	3.29			300	3.54
Cottage cheese		16 oz			351	4.17		
Cream cheese		8 oz	214	2.50				
Ice cream		48-64oz					235	3.24
Milk	All fat tests	half gallon	1328	4.02	4777	3.87	1920	3.94
Milk	All fat tests	gallon	610	6.29	61	6.99	726	6.47
Milk	All fat tests	8 oz UHT	294	.92	307	.89	252	1.11
Sour cream		16 oz	214	2.50	161	2.99		
Yogurt	Greek	32 oz	620	5.27	62	3.99		
Yogurt	Yogurt	4-6 oz	292	.74			114	.88
Yogurt	Yogurt	32 oz			482	3.28	425	3.85

## REGIONAL -- ORGANIC DAIRY PRODUCTS

Commodity	Type	Pack Size	NORTHEAST U.S.			SOUTHEAST U.S.			MIDWEST U.S.		
			Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price
Butter		1 #	5.29	108	5.29						
Cheese	Natural Varieties	8 oz shred				3.00	214	3.00			
Cream cheese		8 oz				2.50	214	2.50			
Milk	All fat tests	half gallon	5.99	60	5.99	4.00	61	4.00			
Milk	All fat tests	gallon	6.99	396	6.99	4.99	214	4.99			
Milk	All fat tests	8 oz UHT				0.75	61	.75	0.92-1.00	233	.96
Sour cream		16 oz				2.50	214	2.50			
Yogurt	Greek	32 oz	6.99	137	6.99	3.00-5.99	428	4.50			
Yogurt	Yogurt	4-6 oz	0.58-1.25	292	.74						

Commodity	Type	Pack Size	SOUTH CENTRAL U.S.			SOUTHWEST U.S.			NORTHWEST U.S.		
			Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price
Cheese	Natural Varieties	8 oz shred							3.50	289	3.50
Milk	All fat tests	half gallon				2.99-4.99	744	4.09	2.50-3.99	463	3.65
Yogurt	Greek	32 oz	6.99	55	6.99						



Commodity	Type	Pack Size	ALASKA U.S.			HAWAII U.S.		
			Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price
Butter		1 #				8.99	34	8.99

#### REGIONAL DEFINITIONS

As used in this report, regions include the following states:

NORTHEAST U.S.	Connecticut, Delaware, Massachusetts, Maryland, Maine, New Hampshire, New jersey, New York, Pennsylvania, Rhode Island and Vermont
SOUTHEAST U.S.	Alabama, Florida, Georgia, Mississippi, North Carolina, South Carolina, Tennessee, Virginia and West Virginia
MIDWEST U.S.	Iowa, Illinois, Indiana, Kentucky, Michigan, Minnesota, North Dakota, Nebraska, Ohio, South Dakota and Wisconsin
SOUTH CENTRAL U.S.	Arkansas, Colorado, Kansas, Louisiana, Missouri, New Mexico, Oklahoma, and Texas
SOUTHWEST U.S.	Arizona, California, Nevada and Utah
NORTHWEST U.S.	Idaho, Montana, Oregon, Washington, and Wyoming
ALASKA	Alaska
HAWAII	Hawaii
NATIONAL	Continental United States





# Dairy Market News

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Agricultural Marketing Service

Dairy Programs

Market Information Branch

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