

DAIRY MARKET NEWS AT A GLANCE

CME GROUP CASH MARKETS (3/15)

BUTTER: Grade AA closed at \$2.2800. The weekly average for Grade AA is \$2.2785 (-.0050).

CHEESE: Barrels closed at \$1.4925 and 40# blocks at \$1.5600. The weekly average for barrels is \$1.4350 (+.0145) and blocks, \$1.5380 (-.0235).

NONFAT DRY MILK: Grade A closed at \$.9675. The weekly average for Grade A is \$.9665 (-.0110).

DRY WHEY: Extra grade dry whey closed at \$0.3200. The weekly average for dry whey is \$0.3310 (-.0175).

BUTTER HIGHLIGHTS: At the national level, butter production remains vigorous, in line with the previous weeks. Although the demand for cream along Class II processors is seasonally improving, butterfat intakes remain more than adequate for butter churning. Butter inventories continue building into cold storage for future use. Meanwhile, requests from retailers and restaurants are lagging a bit due to general cooler weather conditions. However, the spring break is near the corner and demand might shift up very soon. Bulk butter pricing varies among the regions: East, 5.0 cents to 8.0 cents over the market; Central, 5.0 cents to 7.0 cents above the market; West, 3.0 cents to 7.5 cents over the market, with various periods and averages used.

CHEESE HIGHLIGHTS: Milk volumes are available as flush-like patterns have been reported in the West and South-Central regions. Spot milk prices ranged from \$.50 to \$2 under Class, but more are being reported near the latter. Production is continuing apace on the coastal regions, while Midwestern cheesemakers have begun increasing work schedules this week ahead of expected demand upticks in April. Demand reports in the East and West denote some positive sales numbers this week. Long cheese inventories remain a concern among the industry. Even still, market tones have picked up momentum throughout the week, particularly on the process side.

FLUID MILK: Spring flush-like patterns are being reported from the West to the southerly Central region. An exception this week was

in Arizona, where heavy rains created some unexpected production and hauling issues. The blizzard last week in the Pacific Northwest has remained a factor regarding herd health, but milk yields continue to inch up in the area, nonetheless. Elsewhere, weather conditions are starting to benefit cow comfort. Namely, the upper Midwest where temperatures are increasing. After a somewhat brutal late winter, spring-like conditions are beginning to emerge. Class I sales vary across the country. Midwestern contacts suggest continued slowness on bottler orders, as milk finds its way into processing plants. Cheese plant managers reported spot milk prices from \$.50 to \$2 under Class III. Cream prices shifted up in the Midwest and Western regions, while holding steady in the East. Price upticks denote an expected tightness due to the spring holidays. That said, cream is currently readily available. F.O.B. cream multiples are **1.07-1.20** in the East, **1.15-1.23** in the Midwest, and **1.05-1.18** in the West.

DRY PRODUCTS: Low/medium nonfat dry milk NDM prices in the United States are steady to lower. The demand wavered a little, but producers suggest takers are, in some cases, willing to pay mid to high \$.90s, while the \$1 spot loads are increasing more difficult to move. Market conditions are steady to soft. High heat NDM prices steady to decreased. Market conditions are steady to quiet. Dry buttermilk prices are unchanged. The demand is stable to light. The market tone is steady to balanced. Dry whole milk prices are steady to increased. Some market participants report demand is improving ahead of the upcoming spring baking season festivities. Dry whey prices are steady to decreased. Domestic demand is steady to soft. Some buyers are still analyzing the market and holding off on purchases. Whey protein concentrate WPC34% prices are steady to a bit lower. The demand and market conditions are fairly steady. The demand is stable at this time. Rennet and acid casein prices are unchanged this week. Market activity is steady to lower currently.

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DAIRY MARKET NEWS PRICE SUMMARY FOR MARCH 11 - 15, 2019
PRICES (\$/LB) & CHANGES FROM PREVIOUS PUBLISHED PRICES

Commodity	Range	Mostly	Commodity	Range	Mostly	Commodity	Range	Mostly
NDM			BUTTERMILK			LACTOSE		
Central Low/Med. Heat	0.9500 1.0125	0.9800 1.0000	Central/East	0.9600 1.0375		Central/West	0.2050 0.4500	0.3100 0.4200
Change	N.C. -0.0075	N.C. -0.0100	Change	N.C. N.C.		Change	-0.0350 N.C.	N.C. N.C.
Central High Heat	1.0800 1.1100		West	0.9200 1.0000	0.9500 0.9700	WPC 34%		
Change	N.C. -0.0100		Change	N.C. N.C.	N.C. N.C.	Central/West	0.7300 1.0600	0.8300 0.9750
West Low/Med. Heat	0.9225 1.0200	0.9400 0.9900	WHEY			Change	-0.0300 N.C.	N.C. N.C.
Change	-0.0125 -0.0050	N.C. -0.0200	Central	0.3300 0.4700	0.3750 0.4600	CASEIN		
West High Heat	1.0400 1.1600		Change	-0.0300 -0.0200	-0.0150 -0.0100	Rennet	2.5275 2.6325	
Change	-0.0400 -0.0050		West	0.2925 0.4850	0.3500 0.4525	Change	N.C. N.C.	
DRY WHOLE MILK			Change	-0.0025 -0.0350	-0.0300 -0.0025	Acid	3.0250 3.1450	
National	1.6000 1.6500		Northeast	0.3400 0.4800		Change	N.C. N.C.	
Change	0.0200 N.C.		Change	N.C. N.C.		ANIMAL FEED WHEY		
						Central	0.2900 0.3500	
						Change	N.C. N.C.	

DAIRY MARKET NEWS PRICE SUMMARY FOR MARCH 4 - 15, 2019
PRICES (\$/MT) & CHANGES FROM PREVIOUS PUBLISHED PRICES

Commodity	Range	Commodity	Range	Commodity	Range
SMP		WHOLE MILK POWDER		BUTTER	
W. Europe	2125 2325	W. Europe	3100 3425	W. Europe	4575 4875
Change	-50 N.C.	Change	-100 50	Change	-50 -225
Oceania	2475 2875	Oceania	3125 3275	Oceania	4650 4725
Change	-100 175	Change	150 200	Change	325 200
S. America	2400 2700	S. America	2900 3400	BUTTEROIL	
Change	-50 -50	Change	150 50	W. Europe	5850 6350
WHEY				Change	-175 25
W. Europe	875 1125			CHEDDAR CHEESE	
Change	-50 N.C.			Oceania	3800 4100
				Change	225 75

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

INTERNATIONAL DAIRY MARKET NEWS: EUROPE OVERVIEW: WESTERN: Early reporting of milk production in Germany and France, the two largest EU milk producers, has been higher than the previous year during the past two weeks. Conditions are favorable to continued strong milk production in coming weeks. **EASTERN:** Poland was among the top five cheese production countries in 2018, according to Eucolait. Cheese production, 865,230 MT, increased 1.9 percent from 2018. December 2018 production increased 0.5 percent from December 2017. Slovakia registered one of the largest cheese production increases during 2018, 5.9 percent, producing 37,660 MT.

OCEANIA OVERVIEW: AUSTRALIA: Seasonal milk production in Australia, July 2018 through January 2019, is 5.8 percent lower than last year. January 2019 is 11.0 percent lower than January 2018. **NEW ZEALAND:** New Zealand weather since late February has been good. The year started dryer than desired for dairy producers. Impacts were varied. Farms without irrigation, or with limited irrigation, suffered more than irrigated farms. Rains through last weekend have begun to turn pastures tending toward brown, toward a green tinge.

SOUTH AMERICA OVERVIEW: Continentally, farm milk production is steady to slightly up as temperatures remain high, very similar to the past two weeks. Sporadic rains maintained favorable general conditions for forage and the second harvest of maize and cotton in key agricultural areas. If the weather conditions remain favorable, feed costs could drop in the short term, helping several farmers to mitigate relatively low milk prices. In general, milk intakes are more than adequate for most processing needs. Fluid/UHT milk demands from educational institutions, retailers, and food service are improving. In the same fashion, interest for cream is strong ahead of the upcoming fall holiday season. The butterfat market is still in a bullish position as supplies remain below adequate to cover all buyers/end users' needs. Cheese production in very active across the continent

NATIONAL RETAIL REPORT: Following the start of daylight savings time in most of the United States, conventional ice cream in 48-64 oz. containers is the most advertised product/category this week, with ad numbers increasing 15 percent. The national weighted average advertised price for conventional milk half gallons is \$2.29, compared to \$4.09 for organic milk half gallons, an organic price premium of \$1.80. Conventional cheese ad numbers decreased 14 percent. Organic yogurt ads more than doubled but remain a small percentage of conventional yogurt ad numbers.

JANUARY MILK PRODUCTION (NASS): Milk production in the 23 major States during January totaled 17.5 billion pounds, up 1.3 percent from January 2018. December revised production, at 17.1 billion pounds, was up 0.8 percent from December 2017. The December revision represented an increase of 2 million pounds or less than 0.1 percent from last month's preliminary production estimate. Production per cow in the 23 major States averaged 2,011 pounds for January, 38 pounds above January 2018. This is the highest production per cow for the month of January since the 23 State series began in 2003. The number of milk cows on farms in the 23 major States was 8.72 million head, 52,000 head less than January 2018, but 2,000 head more than December 2018.

JANUARY 2019 DAIRY PRODUCTS HIGHLIGHTS (NASS): Butter production was 190 million pounds, 4.2 percent above January 2018, and 10.4 percent above December 2018. American type cheese production totaled 439 million pounds, 1.2 percent above January 2018, and 3.2 percent above December 2018. Total cheese output (excluding cottage cheese) was 1.10 billion pounds, 0.4 percent above January 2018, and 0.7 percent above December 2018. Nonfat dry milk production, for human food, totaled 173 million pounds, 7.7 percent above January 2018, and 21.0 percent above December 2018. Dry whey production, for human food, was 80.0 million pounds, 9.5 percent below January 2018, but 8.9 percent above December 2018. Ice cream, regular

hard production totaled 53.0 million gallons, 3.2 percent below January 2018, but 21.3 percent above December 2018.

MARCH SUPPLY AND DEMAND ESTIMATES (WAOB): For 2019, the milk production forecast is lowered on smaller expected dairy cow numbers. The fat basis export forecast is reduced on slower expected sales of butterfat due to increased global competition. Skim-solids basis exports are lowered on expected strong competition in international skim milk powder markets and slower expected demand for whey products. The fat basis import forecast is lowered slightly while the skim-solids basis import forecast is unchanged. Annual product price forecasts for cheese, butter, nonfat dry milk (NDM) are raised from the previous month, but the whey price forecast is reduced slightly. The Class III price is raised as the higher cheese price projection more than offsets the lower whey price. The Class IV price is increased on higher forecast butter and NDM prices. The all milk price forecast is raised to average \$17.00 to \$17.60 per cwt.

FEBRUARY CONSUMER PRICE INDEX (BLS): The Consumer Price Index (CPI) for the all food category is 257.2, up 2.0 percent from 2018. The dairy products index is 216.6, up 0.1 percent from a year ago. The following are the February 2018 to February 2019 changes for selected products: fresh whole milk is 0.1 percent; cheese, -1.7 percent; and butter, 3.6 percent.

JANUARY MILK SALES (USDA, FMMO, AND CDFS): 4.2 billion pounds of packaged fluid milk products were shipped by milk handlers in January 2019. This was 0.6 percent lower than a year earlier. Estimated sales of total conventional fluid milk products decreased 0.5 percent from January 2018 and estimated sales of total organic fluid milk products decreased 1.3 percent from a year earlier.

NOTICE -USDA ANNOUNCES AMENDMENT TO CLASS I SKIM MILK PRICE FORMULA: The U.S. Department of Agriculture (USDA) announced March 8, 2019, an amendment to the Class I skim milk price formula under the Federal Milk Marketing Order (FMMO) program, in accordance with the Agriculture Improvement Act of 2018 (2018 Farm Bill). The change is effective May 1, 2019. Currently, the Class I skim milk price is calculated using the higher of the monthly advanced pricing factors for Class III or Class IV skim milk, which reflect dairy product survey prices for the two weeks prior to the price announcement, plus the applicable adjusted Class I differential. Because market prices for these surveyed products fluctuate, the "higher of" factor used to determine the Class I skim milk price can change, increasing risk and uncertainty associated with hedging. To address this issue, Congress determined that the formula for the FMMO Class I skim milk price should be the average of the monthly Class III and Class IV advanced pricing factors plus \$0.74 per hundredweight plus the applicable adjusted Class I differential. In accordance with the 2018 Farm Bill, the amendment is effective indefinitely, until further modified, and may not be modified sooner than two years after the effective date of this rule. The Federal Register notice is available at:

<https://www.federalregister.gov/documents/2019/03/11/2019-04347/federal-milk-marketing-orders-amending-the-class-i-skim-milk-price-formula>

COMMODITY	MONDAY MAR 11	TUESDAY MAR 12	WEDNESDAY MAR 13	THURSDAY MAR 14	FRIDAY MAR 15	WEEKLY CHANGE	WEEKLY AVERAGE
CHEESE							
BARRELS	\$1.3675 (+0.0025)	\$1.4025 (+0.0350)	\$1.4250 (+0.0225)	\$1.4875 (+0.0625)	\$1.4925 (+0.0050)	:: (+0.1275)	:: \$1.4350 (+0.0145)
40 POUND BLOCKS	\$1.5200 (-0.0150)	\$1.5200 (N.C.)	\$1.5300 (+0.0100)	\$1.5600 (+0.0300)	\$1.5600 (N.C.)	:: (+0.0250)	:: \$1.5380 (-0.0235)
NONFAT DRY MILK							
GRADE A	\$0.9750 (N.C.)	\$0.9625 (-0.0125)	\$0.9650 (+0.0025)	\$0.9625 (-0.0025)	\$0.9675 (+0.0050)	:: (-0.0075)	:: \$0.9665 (-0.0110)
BUTTER							
GRADE AA	\$2.2675 (N.C.)	\$2.2800 (+0.0125)	\$2.2800 (N.C.)	\$2.2850 (+0.0050)	\$2.2800 (-0.0050)	:: (+0.0125)	:: \$2.2785 (-0.0050)
DRY WHEY							
EXTRA GRADE	\$0.3400 (N.C.)	\$0.3400 (N.C.)	\$0.3325 (-0.0075)	\$0.3225 (-0.0100)	\$0.3200 (-0.0025)	:: (-0.0200)	:: \$0.3310 (-0.0175)

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

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

BUTTER MARKETS

NORTHEAST

Cream loads are accessible in the Northeast, and several spot offers are available. Cream demand is currently steady to a bit soft. Butter churns are active to a bit pulled back at this time. Manufacturers are making both salted and unsalted butter. Inventories are stable to growing. Market participants are getting prepared for spring holiday agreements. Butter prices on the spot market are fairly steady this week. The bulk butter price is reported 5 cents to 8 cents over the market of the CME Group, with various time frames and averages used.

Prices for: Eastern U.S., All First Sales, F.O.B., Grade AA, Conventional, and Edible Butter
Bulk Basis Pricing - 80% Butterfat \$/LB: +0.0500 - +0.0800

WEST

Western cream supplies are solid, but not overbearing. Cream items' production for the upcoming holiday is picking up. However, cream remains handy for all butter churning obligations. Butter processing activities are steady compared to the previous week. Although several brokers are looking to buy bulk butter, they don't seem to easily find discounted prices. In an attempt to ensure enough supply, some of them are requesting to buy for later delivery. Food service and restaurant butter orderings are lagging a bit due to cooler weather conditions, but with the spring break near the corner, demand might shift up. Retail Sales remain active partly because of the preholiday orders. Butter inventories are a bit up. To sum up, current bulk butter prices are 3 cents to 7.5 cents over the market.

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 - +0.0750

CENTRAL

Butter churns remain very active this week in the Midwest. Butter plant managers relay cream continues to roll in, including additional loads from the Western region. They continue to add to their spring/fall inventories. In the south-Central region, contacts suggest churning has edged back slightly. Regional cream prices saw little change from last week. Suppliers report traders are showing increased interest in both salted and unsalted butter loads. Butter markets, after the short-lived spike early last week, have subsided back to their rangebound status, in the upper \$2.20s.

Prices for: Central U.S., All First Sales, F.O.B., Grade AA, Conventional, and Edible Butter
Bulk Basis Pricing - 80% Butterfat \$/LB: +0.0500 - +0.0700

Secondary Sourced Information:

The Grade AA butter price at the CME Group on Wednesday closed at \$2.2800, compared to the weekly average price of \$2.2835 from last week.

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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
03/09/2019	2.2797 3,948,792	1.6098 11,385,619	1.4371 11,616,140	.4088 7,429,300	.9616 26,129,216

Further data and revisions may be found on the internet at: <http://www.ams.usda.gov/rules-regulations/mmr/dmr>

CHEESE MARKETS

NORTHEAST

Milk volumes are available in the region, and many plants are working through dynamic production schedules. Milk production is picking up on several farms in the Northeast. Cheese makers are receiving enough milk loads to keep cheddar and Italian cheese production schedules fairly busy. Supplies are stable to growing. Market participants report stable to increasing cheese orders from numerous customers. Cheddar cheese spot prices are steady to a bit increased currently. Northeast wholesale cheese prices for cheddar and Muenster shifted lower by \$0.0450, but the process cheese prices moved up by \$0.0100. The Grade A Swiss price is unchanged this week.

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

Cheddar 40 pound Block	2.0175-2.3025
Muenster	2.0025-2.3525
Process American 5 pound Sliced	1.5525-2.0325
Swiss 10-14 pound Cuts	2.9825-3.3050

MIDWEST

Midwestern cheesemakers continue to report seasonally quiet orders. Some suggest they expect the lull to continue throughout the month. On the other hand, cheese curd and barrel producers relay purchases, and spot interests, are starting to pick up. Some cheese plant contacts relay their milk suppliers, smaller dairy farms in these cases, experienced barn collapses due to excess snow-builds. Cows on those farms are being relocated while milk is being diverted. However, milk remains available in most areas and is moving at the same prices as last week: from \$.50 to \$2 under Class. Contacts say spot milk offers have increased. According to a number of local cheesemakers, their inventories are manageable, as they have maintained limited production schedules in 2019. However, some producers report recent upticks regarding production and expect it to continue forward as demand will pick up in the early spring. Cheese market tones are steady to bullish this week. Barrel prices are gradually increasing, narrowing the large block to barrel price gap, which causes market unease. Midwestern wholesale prices are unchanged for Swiss Cuts, up \$.0100 for process, but down \$.0450 for other types.

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

Blue 5 pounds	2.1925-3.2625
Brick 5 pounds	1.9250-2.3500
Cheddar 40 pound Block	1.6475-2.0475
Monterey Jack 10 pounds	1.9000-2.1050
Mozzarella 5-6 pounds	1.7250-2.6650
Muenster 5 pounds	1.9250-2.3500
Process American 5 pound Loaf	1.5075-1.8675
Swiss 6-9 pound Cuts	2.4975-2.6150

WEST

Western cheese production is active as parts of the region have increasing milk output. Cheese inventories are heavy, and end users say they are getting plenty of offers from cheese makers. Processors want to keep their cheese stocks in check as they enter the spring flush time of year. Some industry contacts suggest more cheese is going into aging programs or specialty products in order to better balance the cheese portfolio. Manufacturers report strong demand from domestic retail outlets and a few export channels. However, they would like to amp this demand up further to clear some additional cheese from the warehouse. In the West, wholesale prices were up \$.0100 for process, but down \$.0450 for cheddar block, cuts and Monterey Jack. Swiss cut wholesale prices are unchanged from the previous week.

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

Cheddar 10 pound Cuts	1.8650-2.0850
Cheddar 40 pound Block	1.6850-2.1275
Monterey Jack 10 pounds	1.8750-2.0350
Process American 5 pound Loaf	1.4950-1.7500
Swiss 6-9 pound Cuts	2.5800-3.0100

FOREIGN TYPE

The German semi-hard cheese market is stable. Domestic sales are good although they were a bit affected by the carnival days. Global requests for cheese are strong ahead of the upcoming holiday. In general, contractual demand and supplies are balanced. Some postponements in orders' processing occurred due to limited stocks. At the same time, several unscheduled orders could not be fulfilled. Cheese manufacturing is mostly stable. Many processors report having sold out their cheese in advance of producing it. The sliced cheese market is stable with higher prices reported. In the U.S., the prices for wholesale blue, gorgonzola, parmesan Italy, and Romano dropped by .0450. All other prices are unchanged from the previous 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	2.0700-3.5575*
Gorgonzola	3.6900-5.7400	2.5775-3.2950*
Parmesan	-0-	3.4600-5.5500*
Romano	-0-	3.2600-5.4150*
Sardo Romano (Argentina)	2.8500-4.7800	-0-
Reggianito (Argentina)	3.2900-4.7800	-0-
Jarlsberg	2.9500-6.4500	-0-
Swiss	-0-	3.0200-3.3425
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
03/11/2019	36636	96029
03/01/2019	34296	97757
CHANGE	2340	-1728
% CHANGE	7	-2

Volumes for Butter and Cheese: U.S., Edible, and Pounds
Information for Monday, issued weekly

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CHEESE MARKETS

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National Retail Report Dairy – Cheese Summary

Advertised Prices at Major Retail Supermarket Outlets ending during the period of 3/8/2019 to 3/14/2019

Cheese 8 oz. Blocks	<u>Weighted Average Price</u>		
	<u>This Period</u>	<u>Last Week</u>	<u>Last Year</u>
National			
Organic	n.a.	\$4.32	n.a.
Conventional	\$2.33	\$2.10	\$2.19

<u>Regional (Conventional)</u>	<u>Wtd. Ave.</u>	<u>Low</u>	<u>High</u>
Alaska	n.a.	n.a.	n.a.
Hawaii	\$2.50	\$2.50	\$2.50
Midwest	\$2.12	\$1.99	\$2.49
Northeast	\$2.91	\$1.66	\$3.50
Northwest	\$2.33	\$2.33	\$2.33
South Central	\$2.32	\$1.98	\$3.00
Southeast	\$2.04	\$1.23	\$3.50
Southwest	\$3.00	\$2.99	\$3.00

Cheese 8 oz. Shred	<u>Weighted Average Price</u>		
	<u>This Period</u>	<u>Last Week</u>	<u>Last Year</u>
National			
Organic	n.a.	n.a.	\$2.99
Conventional	\$2.44	\$2.09	\$2.16

<u>Regional (Conventional)</u>	<u>Wtd. Ave.</u>	<u>Low</u>	<u>High</u>
Alaska	\$2.50	\$2.50	\$2.50
Hawaii	\$2.50	\$2.50	\$2.50
Midwest	\$2.18	\$1.99	\$2.50
Northeast	\$2.42	\$1.66	\$3.50
Northwest	\$2.25	\$1.99	\$2.50
South Central	\$2.39	\$1.79	\$3.00
Southeast	\$2.69	\$2.00	\$3.50
Southwest	\$2.43	\$1.88	\$3.00

FLUID MILK AND CREAM

EAST

Milk production is picking up on farms in the **Northeast**. Some market participants report milk production is lower than expected in parts of the East. Although, milk volumes are available for manufacturers' production needs. Balancing operations are at or near capacity levels. Class I sales are steady to lower with some schools closed for spring break. There are reports market participants are preparing for spring holiday commitments. **Mid-Atlantic** milk output is fairly unchanged. A few operations are under capacity. **Southeast** milk production is slightly rising. Class I sales are steady to lower. There are reports of milk cuts and a few add-ons in various manufacturing operations. The region is not receiving milk from other areas at this time. **Florida** milk output is about at peak. Class I sales are steady to a bit lower with spring break happening. **Cream** loads are available in the East. Spot offers are plentiful with multiples ranging, 1.07-1.20. Cream demand is steady to a bit soft currently. **Condensed skim** market conditions are fairly unchanged.

Northeastern U.S., F.O.B. Condensed Skim
 Price Range - Class II; \$/LB Solids: 0.70 - 0.80
 Price Range - Class III; \$/LB Solids: 0.65 - 0.77

Northeastern U.S., F.O.B. Cream
 Multiples Range - All Classes: 1.0700 - 1.2000
 Price Range - Class II; \$/LB Butterfat: 2.4433 - 2.7402

Secondary Sourced Information:

MILK PRODUCTION: According to NASS, milk production in the 23 major states during January 2019 totaled 17.5 billion pounds, up 1.3 percent from one year ago. Eastern states' monthly milk production and percent changes compared to a year ago are as follows:

January 2019 Milk Production, (USDA-NASS)

	(Million Lb.)	% Change From 1 Year Ago
Florida	210	- 4.5
New York	1,263	+ 3.4
Pennsylvania	873	- 5.5
Vermont	230	+ 0.9
Virginia	131	- 11.5

MIDWEST

Upper Midwest milk supplies are expected to increase as winter temperatures have dissipated somewhat, and cow comfort levels are improving. Family-run and/or smaller dairy farms in the upper Midwest have undergone a brutal late winter, as regular closures are reported. Low cow prices are keeping some farmers from calling it quits. Undoubtedly, spring flush levels in the West are trickling eastward. In the **South-Central** area, reports are milk output is inching up, as weather has been somewhat mild recently. Class I sales are steady to lower across the region, while more milk moves into processing/drying. Cheese plant managers are reporting similar spot milk discounts to last week, \$.50 under to \$2 under, although more spot prices were reported nearer the latter. **Cream** prices moved up this week. Expectedly, spring holidays are pushing cream into production outside of butter churning, namely cream cheese and ice cream. Relatedly, churning in the Upper Midwest is as active as it has been in 2019, while some in the South Central region suggest butter production is decreasing slightly.

Midwestern U.S., F.O.B. Cream
 Multiples Range - All Classes: 1.1500 - 1.2300
 Price Range - Class II; \$/LB Butterfat: 2.6945 - 2.8087
 Multiples Range - Class II: 1.1800 - 1.2300

Secondary Sourced Information:

The NASS Milk Production report noted January 2019 milk production in the 23 selected states was 17.533 billion pounds, 1.3 percent above a year ago. Milk cows in the 23 selected states totaled 8.7 million head, 52,000 head less than a year ago. The following table shows Central states included in the report and the monthly milk production changes compared to a year ago:

January 2019 Milk Production, (USDA-NASS)

	(Million Lb.)	% Change From 1 Year Ago
Illinois	153	- 8.4
Indiana	350	- 3.0
Iowa	457	+ 2.0
Kansas	325	+ 6.2
Michigan	947	+ 1.1
Minnesota	848	+ 1.6
Ohio	454	- 3.8
South Dakota	235	+ 6.3
Texas	1,129	+ 7.3
Wisconsin	2,623	+ 2.9

WEST

Milk output in **California** is stable to up, along normal seasonal trends. Producers state that they have enough milk volumes to carry out their daily processing duties. Milk sales are going well within the state. According to some contacts, Class IV demand will likely see an uptick in the coming weeks as milk orders for the holiday foods' preparation take place. Meanwhile, bottling milk demand hasn't changed much from last week. **Arizona** farm milk production declined due to heavy rains at the beginning of the week. Inadequate road conditions caused a slowdown in milk pick up at dairy farms. Overall, milk volumes produced are reported lower than last year. Some Class IV milk moved to California for short-term drying. Class I intakes are uneven. Milk production management is going well in **New Mexico**. The weather is seasonally favorable for the making of milk across the state. Therefore, outputs have increased a bit this week. Milk loads are being handled to the satisfaction of dairy farmers and producers despite this week and last week's repair and maintenance challenges. Although Class I requests declined, overall milk sales are up. Milk production in the **Pacific Northwest** is generally climbing, however, manufacturers note farmers are still dealing with herd health issues as a result of the blizzard last month. Some cows that had frostbit teats are slow to recover, have taken extra care time, or have needed to be culled. Culls, mortalities, convalescence and several large farm sales have reduced milk intakes to some processors. While there is a dip in milk loads brought to the processing plants in the short term, there is still plenty of milk and cream for most processing needs. Furthermore, industry contacts expect milk volumes to recover quickly as warmer temperatures issue into the region. Milk bottling demand is lower due to educational institutions taking spring breaks. Milk production in the mountain states of **Idaho, Utah and Colorado** is generally steady. However, Colorado is digging out from a blizzard that hit the region on Wednesday.

FLUID MILK AND CREAM

CONTINUED FROM PAGE 4

While too early to tell what impacts are left in the storms wake, milk shipment delays are expected due to heavy snows and high winds. Milk intakes are mixed in the northern part of the region. Plenty of milk is available to meet most processing needs. **Condensed skim** is in good supply throughout the West. Industry players expect the production of more condensed skim in the coming weeks as the spring flush causes more milk yield. **Cream** inventories are available and manageable. The processing of some pre-holiday dairy products is taking some cream away from the churns. Nonetheless, butter manufacturers can easily find the cream they need. Butter manufacturing remains active throughout the West. Cream multiples are 1.05-1.18.

Western U.S., F.O.B. Cream
 Multiples Range - All Classes: 1.0500 - 1.1800

Secondary Sourced Information:

The NASS Milk Production report noted January 2019 milk production in the 23 selected states was 17.5 billion pounds, 1.3 percent above a year ago. Milk cows in the 23 selected states totaled 8.72 million head, 52,000 head less than a year ago. The following table shows western states included in the report and the monthly milk production changes compared to a year ago:

January 2019 Milk Production, (USDA-NASS)

	(Million Lb.)	% Change From 1 Year Ago
Arizona	427	- 3.8
California	3512	+ 0.8
Colorado	398	+ 6.7
Idaho	1288	+ 3.6
New Mexico	690	- 3.5
Oregon	220	+ 4.8
Utah	193	+ 2.1
Washington	577	+ 3.4

National Retail Report Dairy – Fluid Milk Summary

Advertised Prices at Major Retail Supermarket Outlets ending during the period of 3/8/2019 to 3/14/2019

Half Gallon, All Fat Tests	Weighted Average Price		
	This Period	Last Week	Last Year
National			
Organic	\$3.61	\$4.00	\$3.48
Conventional	\$2.39	\$2.31	\$2.52

Regional (Conventional)	Wtd. Ave.	Low	High
Alaska	n.a.	n.a.	n.a.
Hawaii	n.a.	n.a.	n.a.
Midwest	\$1.99	\$1.99	\$1.99
Northeast	\$2.38	\$2.19	\$2.49
Northwest	\$2.49	\$1.99	\$2.99
South Central	\$2.61	\$1.99	\$3.50
Southeast	n.a.	n.a.	n.a.
Southwest	\$2.09	\$1.99	\$2.24

Regional (Organic)	Wtd. Ave.	Low	High
Alaska	n.a.	n.a.	n.a.
Hawaii	\$6.99	\$6.99	\$6.99
Midwest	\$3.37	\$2.99	\$3.99
Northeast	\$3.59	\$2.69	\$4.99
Northwest	n.a.	n.a.	n.a.
South Central	\$2.99	\$2.99	\$2.99
Southeast	\$3.57	\$2.99	\$4.78
Southwest	\$3.99	\$3.99	\$3.99

Gallon, All Fat Tests	Weighted Average Price		
	This Period	Last Week	Last Year
National			
Organic	\$4.99	\$5.51	\$6.15
Conventional	\$2.70	\$2.58	\$3.02

Regional (Conventional)	Wtd. Ave.	Low	High
Alaska	\$4.00	\$4.00	\$4.00
Hawaii	n.a.	n.a.	n.a.
Midwest	\$2.50	\$2.50	\$2.50
Northeast	n.a.	n.a.	n.a.
Northwest	n.a.	n.a.	n.a.
South Central	\$2.89	\$2.89	\$2.89
Southeast	n.a.	n.a.	n.a.
Southwest	\$2.56	\$2.49	\$2.69

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	\$4.99	\$4.99	\$4.99
Southwest	n.a.	n.a.	n.a.

NONFAT DRY MILK, BUTTERMILK & 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: Low/medium heat nonfat dry milk (NDM) prices slid down on the top of both the mostly and price range. Increased availability, steady production, and domestic/export buyer hesitancy are all adding up to put pressure on the markets. Market analysts expect a quiet month ahead, as buyers are sensing some weakness. Some contacts do not expect a decline as dramatic as last year's, when prices saw high \$.60s/low \$.70s for prolonged periods. They suggest markets pushed up following bullish news in late 2018/early 2019, namely the dissipation of the European Union's skim milk powder intervention stocks. EU intervention stocks were an anchor on bullish movements for a good portion of early 2018. Generally, contacts are neutral rather than bullish or bearish regarding 2019 NDM markets. Demand has wavered a little, but producers suggest takers are, in some cases, willing to pay mid to high \$.90s, while the \$1 spot loads are increasingly more difficult to move. High heat NDM prices also slipped on the top of the range. High heat NDM markets are quiet.

EAST: Low/medium heat nonfat dry milk f.o.b. prices decreased on both tops of the range and mostly price series this week. The market conditions seem to be softening. Spot offers are available, yet some buyers are not purchasing at this time. Furthermore, a few manufacturers are not offering on the spot market. Low/medium heat NDM production is steady in the region. Inventories are stable to increasing. High heat prices are steady to a bit lower. Production schedules and inventories are lower. Some operations have taken the time to dry for immediate commitments. The market tone is fairly steady.

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: .9500 - 1.0125
Mostly Range - Low & Medium Heat; \$/LB: .9800 - 1.0000

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: 1.0800 - 1.1100

NONFAT DRY MILK - WEST

In the West, low/medium heat nonfat dry milk prices have dipped at both ends of the range and at the top of the mostly price series. According to contacts, Mexico is holding on buying as they are in their spring flush and seem to be satisfied with their current holdings. Shipments to China are almost nonexistent due to the tariffs. In addition, a stronger value of the U.S. dollars is making U.S. products costlier for international buyers. On the other hand, sellers hope that the baking season with boost domestic demand. Low/medium heat nonfat dry milk production is steady to increasing. Stocks are flat to growing seasonally and are likely to further move up with the spring flush near the corner. High heat nonfat dry milk inventories are scarce. Manufacturers are prioritizing contractual deliveries because of the limited timeframe they have for high heat nonfat dry milk production. High heat nonfat dry milk prices are lower at the bottom of the range this week.

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: .9225 - 1.0200
Mostly Range - Low & Medium Heat; \$/LB: .9400 - 0.9900

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: 1.0400 - 1.1600

U.S. NDM Exports, H.S. Code 0402100000(FAS)

	2018 Exports (Million Lb.)	% Change From 1 Year Ago
DECEMBER Total	111.0	- 17
TOTAL, JAN - DEC	1,572.4	+ 18
1 Mexico	764.4	+ 25
2 Philippines	189.4	+ 17
3 Indonesia	123.0	+ 75
4 Vietnam	78.3	+ 63
5 Malaysia	69.0	+ 13

DRY BUTTERMILK - CENTRAL AND EAST

CENTRAL: Buttermilk powder prices escaped the plight of a number of other powder markets, and held steady. As other dairy powder markets display signs of weakness this week, dry buttermilk spot buyers/sellers have, at least for the near term, located a comfortable trading zone. Regionally, buttermilk powder demand is steady. All said, buttermilk drying, and inventories, have increased as regional churns run apace. Fittingly, demand is keeping up with supply ahead of the spring holidays. Buttermilk powder market tones are steady.

EAST: Dry buttermilk prices are unchanged on a quiet trading week. Spot market demand is steady to light, as market players are not trading any additional loads above their current commitments. Manufacturers' dry buttermilk supplies are steady to limited. When spots become available, loads are traded at prices around the top of the range. Market conditions are fairly balanced.

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

Price Range ; \$/LB: .9600 - 1.0375

DRY BUTTERMILK - WEST

Western dry buttermilk market tone remains even. Production schedules are at seasonal levels, but have increased a bit due to active butter manufacturing in the West. Dry buttermilk spot orders are somewhat quiet whereas contractual demands are ongoing as agreed upon by buyers and sellers. Processors are content with the volumes of inquiries they are receiving as their inventories are light. This week, dry buttermilk price range and mostly price series range are unchanged from the previous two weeks.

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

Price Range ; \$/LB: .9200 - 1.0000
Mostly Range - ; \$/LB: .9500 - 0.9700

DRY WHOLE MILK - U.S.

Free on board (f.o.b.) spot prices for national dry whole milk are mixed, as a few sales pulled up the bottom price of the range. According to some processors, the national demand for dry whole milk is improving ahead of the upcoming spring baking season festivities. The production of dry whole milk is sporadic as most balancing plant managers continue focusing on NDM and SMP processing. In this way, dry whole milk inventories are slightly tight in some region of the country.

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

Price Range - 26% Butterfat; \$/LB: 1.6000 - 1.6500

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

Western whey prices moved lower. While industry contacts say domestic demand is generally steady, international demand has waned. Some industry contacts say buyers in Southeast Asia and Mexico have plenty of whey on hand and are only interested in bargains. Inventories are building somewhat. Whey production is steady and expected to climb as the spring flush works its way north. Some domestic shoppers continue to take advantage of whey made available through the CME.

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: .2925 - .4850
 Mostly Range - Non-Hygroscopic; \$/LB: .3500 - .4525

WHEY PROTEIN CONCENTRATE

Whey protein concentrate 34% prices moved lower at the bottom of the range, but otherwise held steady. Demand varies widely across the industry. While some manufacturers report buyers are eager to assure coverage, others suggest interest from end users to be waning. The degree of interest from buyers seems directly related to the strength of the brand of WPC34% being considered. Inventories range from tight to available also depending on the brand. While some manufacturers are opting to make more higher protein concentrations in lieu of WPC34%, production of WPC34% is generally steady.

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: .7300 - 1.0600
 Mostly Range - 34% Protein; \$/LB: .8300 - 0.9750

DRY WHEY- NORTHEAST

Market conditions in the East region continue to be soft. Spot prices remained steady in the market. Spot loads are trading around the high .30's into mid .40's currently. Some buyers are still analyzing the market and holding off on purchases. Furthermore, interest from several customers is somewhat lackluster. Drying schedules are fairly stable and inventories are available. Market conditions are steady to unsettled.

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 - .4800

U.S. WPC < 80% Exports, H.S. Code 0404100500(FAS)

	2018 Exports (Million Lb.)	% Change From 1 Year Ago
DECEMBER Total	15.1	- 53
TOTAL, JAN - DEC	334.2	+ 4
1 China	131.0	- 2
2 Mexico	65.1	+ 13
3 Canada	34.0	- 6
4 Philippines	15.7	- 3
5 Hong Kong	13.6	+ 589

DRY WHEY-WEST

Western whey prices moved lower. While industry contacts say domestic demand is generally steady, international demand has waned. Some industry contacts say buyers in Southeast Asia and Mexico have plenty of whey on hand and are only interested in bargains. Inventories are building somewhat. Whey production is steady and expected to climb as the spring flush works its way north. Some domestic shoppers continue to take advantage of whey made available through the CME.

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: .2925 - .4850
 Mostly Range - Non-Hygroscopic; \$/LB: .3500 - .4525

LACTOSE

While lactose prices are largely unchanged, the bottom of the price range moved lower. The drop seems indicative of issues surrounding the carbohydrate markets in Southeast Asia due to the African swine fever. Industry contacts say the markets for whey permeate and lactose are weak due to significant losses to the pig herd there. Some news outlets are reporting estimated decreases of 20 percent in the pig population and subsequent feed sales. In addition, trade issues linger, and some contacts say buyers in Southeast Asia have plenty of lactose supplies on hand. As a result, buyers are only interested in bargains. While domestic demand, production and prices have been stable, some manufacturers note inventories are building. Stocks are backing up due to slow international markets. That said, some manufacturers of favorite brands report inventories are still highly committed and they are getting Q2 contracts set at prices comparable to, or slightly higher than Q1 contracts.

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: .2050 - .4500
 Mostly Range - Non Pharmaceutical; \$/LB: .3100 - .4200

U.S. Dry Whey Exports, H.S. Code 0404104000(FAS)

	2018 Exports (Million Lb.)	% Change From 1 Year Ago
DECEMBER Total	28.8	- 36
TOTAL, JAN - DEC	481.5	+ 2
1 China	178.2	- 17
2 Japan	34.5	+ 32
3 Vietnam	34.1	+ 105
4 Mexico	33.8	+ ---
5 Philippines	33.7	+ 15

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-

U.S. Lactose Exports, H.S. Code 1702110000(FAS)

	2018 Exports (Million Lb.)	% Change From 1 Year Ago
DECEMBER Total	47.4	- 18
TOTAL, JAN – DEC	672.3	+ 13
1 China	150.2	+ 50
2 Mexico	88.8	+ 1
3 New Zealand	87.8	+ 31
4 Japan	77.7	+ 39
5 Singapore	34.0	+ 11

CASEIN

Rennet and acid casein prices are steady this week. There was no gdt event to inject that dimension of information and pricing into the markets. The milk production season in Oceania is winding down just as production in Western Europe is increasing. It is a time of flux as to where sourcing is most readily available for buyers with some flexibility as to regional production preferences. Buyers who prefer New Zealand are likely to have contracted through this casein production season. This leaves a low level of market activity, which did not cause prices to change.

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: 3.0250-3.1450
 Rennet; Price Range - \$/LB: 2.5275-2.6325

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

WEEK ENDING	2019 WEEKLY DAIRY COWS	2019 CUMULATIVE DAIRY COWS	2018 WEEKLY DAIRY COWS	2018 CUMULATIVE DAIRY COWS
02/23/2019	71.6	532.7	63.1	515.3

WEBSITE: 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

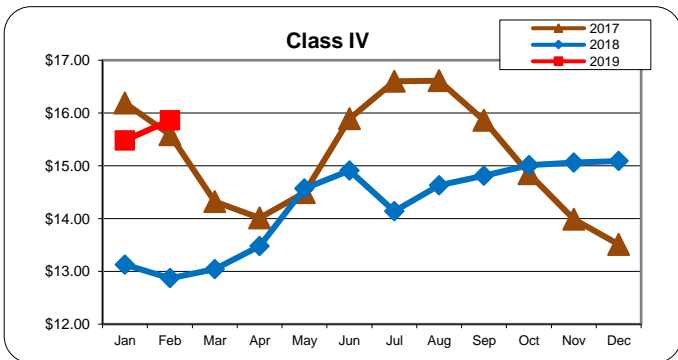
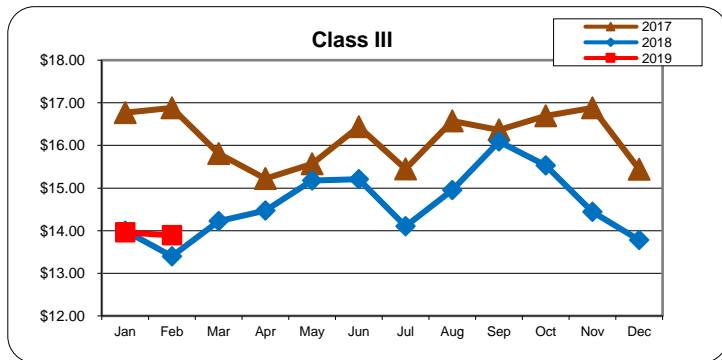
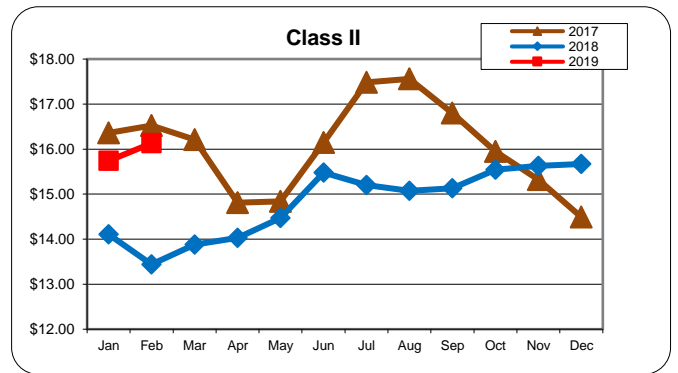
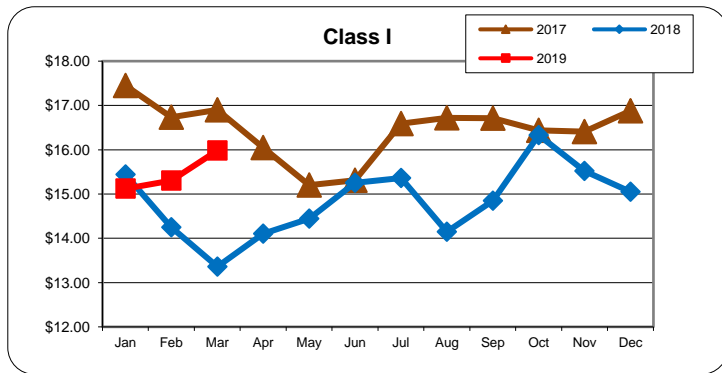
CLASS IV MILK PRICES (3.5% Butterfat)

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 1/	15.12	15.30	15.98									
II	15.74	16.13										
III	13.96	13.89										
IV	15.48	15.86										

1/ Specific order differentials to be added to this base price can be found by going to: www.ams.usda.gov/DairyMarketingStatistics; then select "Prices"; and then select "Principal Pricing Points."



INTERNATIONAL DAIRY MARKET NEWS - EUROPE

Information gathered March 4 - 15, 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

Early reporting of milk production in Germany and France, the two largest EU milk producers, has been higher than the previous year during the past two weeks. Conditions are favorable to continued strong milk production in coming weeks.

EU cheese production for 2018, 9.3 million MT, was 0.4 percent higher than 2017 according to Eurostat. December 2018 production was 0.2 percent higher than December 2017.

CHEESE PRODUCTION PERCENTAGE CHANGE
2018/2017

COUNTRY	YTD
Germany	+1.5
France	-1.0
Italy	-2.5
Netherlands	+0.7

EU cheese exports during 2018, 833,000 MT, increased 0.5 percent from 2017 according to Eurostat. The table below shows metric tons and percentage change for some top destinations.

EU CHEESE EXPORTS – TOP 3 DESTINATIONS

Metric Tons 2018
Percent change 2018/2017

DESTINATION	MT	PERCENT CHANGE
United States	133,539	- 5.1
Japan	106,656	+12.5
Switzerland	61,645	+ 2.4

BUTTER/BUTTEROIL

Butter prices in Western Europe are lower. The weakness mostly occurred last week, with pricing this week being steadier. Butteroil prices are mixed, lower and higher.

Customers for butter are less in need of near-term deliveries. That is leading to the current price weakness. Manufacturer stocks are in general balance, but there is some butter available for current delivery. Buyers are more actively contracting for Q3 and Q4 2019.

Western Europe, 82% Butterfat, Free on Board - Port Butter
Price Range - \$/MT: 4,575 - 4,875

Western Europe, 99% Butterfat, Free on Board - Port Butteroil
Price Range - \$/MT: 5,850 - 6,350

Secondary Sourced Information:

EU butter production for 2018, 2,156,610 MT, was 0.2 percent higher than 2017 according to Eurostat. December 2018 production was 0.2 percent lower than December 2017. The table below shows data for some top milk producing EU countries.

2018 BUTTER PRODUCTION PERCENTAGE CHANGE
2018/2017

COUNTRY	Percent	2018 MT
Germany	- 2.6	483,890
France	+1.8	419,480
Ireland	+5.9	236,840

EU butter exports during 2018, 158,000 MT, decreased 7.6 percent from 2017 according to CLAL.

EU BUTTER EXPORTS – TOP 3 DESTINATIONS

Metric Tons January-December 2018
Percent change 2018/2017

DESTINATION	MT	PERCENT CHANGE
United States	28,733	+ 4.2
Saudi Arabia	14,656	+ 4.8
China	10,024	-25.4

SKIM MILK POWDER

Western European skim milk powder prices are lower to steady. There was very little change in prices, which are said to be reflecting some buyers taking a breather more than any change in market tone. Markets are considered steady overall.

Following heavy contracting activity in recent weeks, conditions are now calmer. This calm has been reflected in the easing low end price range. There is still ample unmet demand, but few buyers are in a pinch to immediately close deals. Existing contracts are being filled in a timely way. Export interest remains active. Western European pricing is lower than in Oceania, which helps maintain export interest.

Prices for: Europe, All First Sales, Free on Board - Port, Conventional, and Edible Skim Milk Powder
Price Range - 1.25% Butterfat; \$/MT: 2,125 - 2,325

Secondary Sourced Information:

EU SMP production for 2018, 1,592,110 MT, was 1.6 percent lower than 2017 according to Eurostat. December 2018 production was 1.8 percent lower than December 2017. The table below shows data for some top milk producing EU countries.

2018 SMP PRODUCTION PERCENTAGE CHANGE
2018/2017

COUNTRY	Percent	2018 MT
Germany	- 2.5	419,450
France	- 6.0	384,100
Ireland	+11.7	133,830

EU SMP exports during 2018, 834,000 MT, increased 7.0 percent from 2017 according to CLAL.

EU SMP EXPORTS – TOP 3 DESTINATIONS

Metric Tons January-December 2018
Percent change 2018/2017

CONTINUED ON PAGE 8A

INTERNATIONAL DAIRY MARKET NEWS - EUROPE

Information gathered March 4 - 15, 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 8

DESTINATION	MT	PERCENT CHANGE
Algeria	143,264	+ 7.9
China	91,932	+29.4
Indonesia	56,711	- 3.6

WHEY

Dry Whey prices in Western Europe weakened at the low end of the price range. Prices are steady at the top. The overall market tone is somewhat mixed, with uneven prices spread among various producing countries.

This is what led to the low-price range weakness, while keeping high end prices steady. Production may slowly increase over coming months but at a gradual pace, not likely to change the overall market tone.

Prices for: Western Europe, All First Sales, Free on Board - Port, Conventional, and Edible Dry Whey
Price Range - Non-Hygroscopic; \$/MT: 875 - 1,125

Secondary Sourced Information:

EU whey exports during 2018, 692,000 MT, increased 6.8 percent from 2017 according to CLAL.

EU WHEY EXPORTS – TOP 3 DESTINATIONS

Metric Tons January-December 2018
Percent change 2018/2017

DESTINATION	MT	PERCENT CHANGE
China	189,817	+12.5
Indonesia	87,429	+ 2.2
Malaysia	65,757	+ 4.5

WHOLE MILK POWDER

Whole milk powder prices in Western Europe are mixed. Prices are weaker at the low end of the price range, but higher at the top. The opposite trends reflect varied conditions in some of the top Western European WMP producing countries.

While long term customers tend to enjoy relatively stable prices, intensified demand from other buyers has led to some of the increased pricing. Export demand has also recently picked up. Production in the near term is expected to be steady.

Prices for: Europe, All First Sales, Free on Board - Port, Conventional, and Edible Whole Milk Powder
Price Range - 26% Butterfat; \$/MT: 3,100 - 3,425

Secondary Sourced Information:

EU WMP production for 2018, 669,570 MT, was 5.2 percent lower than 2017 according to Eurostat. December 2018 production was 6.9 percent lower than December 2017. The table below shows data for some top milk producing EU countries.

2018 WMP PRODUCTION PERCENTAGE CHANGE
2018/2017

COUNTRY	Percent	2018 MT
Netherlands	-12.1	161,900
Germany	+ 6.3	143,320
France	- 20.0	117,310

EU WMP exports during 2018, 334,000 MT, decreased 15.1 percent from 2017 according to CLAL.

EU WMP EXPORTS – TOP 3 DESTINATIONS

Metric Tons January-December 2018
Percent change 2018/2017

DESTINATION	MT	PERCENT CHANGE
Oman	48,439	+16.3
Algeria	26,401	- 59.0
China	21,843	- 9.1

EASTERN OVERVIEW

Poland was among the top five cheese production countries in 2018, according to Eucolait. Cheese production, 865,230 MT, increased 1.9 percent from 2017. December 2018 production increased 0.5 percent from December 2017. Slovakia registered one of the largest cheese production increases during 2018, 5.9 percent, producing 37,660 MT.

INTERNATIONAL DAIRY MARKET NEWS - OCEANIA

Information gathered March 4 - 15, 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: Seasonal milk production in Australia, July 2018 through January 2019, is 5.8 percent lower than last year. January 2019 is 11.0 percent lower than January 2018. This table displays Dairy Australia data July through January.

AUSTRALIA MILK PRODUCTION, MILKFAT and PROTEIN

State	July 2018-January 2019		January 2019	
	Million Liters	Percent Change From 1 Year Ago	Percentage Milkfat	Percentage Protein
New South Wales	634.0	- 9.8	3.85	3.10
Victoria	3,704.6	- 7.0	4.22	3.26
Queensland	226.2	- 9.9	3.96	3.23
South Australia	309.4	+2.2	3.81	3.16
Western Australia	228.4	- 2.3	3.98	3.15
Tasmania	582.8	+4.0	4.30	3.37
Australia (Total)	5,685.3	- 5.8	4.14*	3.24**

* +1.2 percent from prior year period

** -1.6 percent from prior year period

Data from Dairy Australia

NEW ZEALAND: New Zealand weather since late February has been good. The year started dryer than desired for dairy producers. Impacts were varied. Farms without irrigation, or with limited irrigation, suffered more than irrigated farms. Rains through last weekend have begun to turn pastures tending toward brown, toward a green tinge.

Recent conditions before the rains might take a slight toll on hay and feed grain harvests. There is expected to be a lag of a month or so until more precise estimates can be made. At the present time, there is adequate feed on most dairy farms.

Many dairy producers have already begun the later season transition from two milking's a day, to one milking. In preparation for winding down the season, some older cows with lower production have been culled out of herds.

BUTTER/BUTTEROIL

Oceania butter prices strengthened. The market tone is firm. Demand for available butter is very good. With the current milk production season winding down, butter output is moving lower and will continue this trend, something that buyers are well aware of, enhancing buying interest. The advent of Lent signals the start of Easter seasonal demand for tightening butter stocks.

Oceania, 82% Butterfat, Free on Board - Port Butter
Price Range - \$/MT: 4,650 - 4,725

Secondary Sourced Information:

This milk production season, July 2018 – January 2019 butter exports from Australia, 7.0 million MT, increased 16.5 percent from year earlier, according to Dairy Australia. The value of Australian butter exports, 54.5 million Australian dollars, increased 17.4 percent.

Butter exports from New Zealand during January 2019, 51,000 MT, were up 41.2 percent from January 2018, according to CLAL. The table below shows the top export destinations and country percent change comparing January 2019 with January 2018.

New Zealand Butter Exports

Destination	% Change Jan. 2019/2018
China	- 8.1
Philippines	+192.0
United Arab Emirates	+ 78.6
Australia	- 16.4
Saudi Arabia	+ 26.7

At GDT event 231 on March 5, the butter all contracts price, \$4,657, increased 3.7 percent. The April contract, \$4,705, increased 8.5 percent.

SKIM MILK POWDER

Prices for skim milk powder in Oceania are mixed; weaker at the low end of the price range but higher at the top. Production volumes of SMP are seasonally lower. This reflects lower milk intakes for most manufacturing plants. Partly this is seasonal, and partly reflecting persistent dry weather in Australia.

Near term supplies suddenly seem tighter than some buyers had expected, which has sparked buying interest. The weakness in the low end of the price range narrowly reflects distinct situations involving location and timing of the transaction. Lower SMP pricing in Western Europe is also a factor impacting pricing for manufacturers seeking export deals.

Prices for: Oceania, All First Sales, Free on Board - Port, Conventional, and Edible Skim Milk Powder
Price Range - 1.25% Butterfat; \$/MT: 2,475 - 2,875

Secondary Sourced Information:

This milk production season, July 2018 – January 2019 SMP exports from Australia, 95.8 million MT, increased 7.9 percent from year earlier, according to Dairy Australia. The value of Australian SMP exports, 288.8 million Australian dollars, increased 10.4 percent.

SMP exports from New Zealand during January 2019, 48,000 MT, were up 7.3 percent from January 2018, according to CLAL. The table below shows the top export destinations and country percent change comparing January 2019 with January 2018.

New Zealand SMP Exports

Destination	% Change Jan. 2019/2018
China	- 2.2
Philippines	+ 70.8
Vietnam	+154.0
Thailand	+ 0.7
Malaysia	- 18.7

INTERNATIONAL DAIRY MARKET NEWS - OCEANIA

Information gathered March 4 - 15, 2019

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CONTINUED FROM PAGE 8B

At GDT event 231 on March 5, the SMP all contracts price, \$2,462, decreased 4.3 percent. The April contract, \$2,875, increased 7.3 percent.

CHEESE

Cheddar prices in Oceania strengthened. Buyers are finding supply availability tighter. That has motivated many buyers to move forward and close deals. This is especially reflective of declining cheese production as less milk flows into cheese plants.

Prices for: Oceania Cheese, Cheddar, 39% Maximum Moisture, Free on Board - Port,
Price Range - \$/MT: 3,800 - 4,100

Secondary Sourced Information:

This milk production season, July 2018 – January 2019 cheddar exports from Australia, 31.6 million MT, increased 3.9 percent from year earlier, according to Dairy Australia. The value of Australian cheddar exports, 194.4 million Australian dollars, increased 14.2 percent.

July 2018 – January 2019 other cheese exports from Australia, 65.9 million MT, increased 0.3 percent from year earlier, according to Dairy Australia. The value of Australian other cheese exports, 388.1 million Australian dollars, increased 9.2 percent.

Cheese exports from New Zealand during January 2019, 28,000 MT, were down 2.0 percent from January 2018, according to CLAL. The table below shows the top export destinations and country percent change comparing January 2019 with January 2018.

New Zealand Cheese Exports

Destination	% Change Jan. 2019/2018
Japan	+19.7
Australia	- 27.9
South Korea	+19.6
Indonesia	+23.5
China	- 32.8

At GDT event 231 on March 5, the cheddar all contracts price, \$3,888, increased 6.0 percent. The April contract, \$4,100, increased 2.4 percent.

WHOLE MILK POWDER

Whole milk powder pricing in Oceania firmed. This reflects strength in both spot sales and contracts. Lower WMP production at this late point in the milk season has excited interest in some buyers to be assured of stocks they need. WMP manufacturing in Oceania remains a primary focus.

Even so, there will be progressively less milk flowing to plants over the next several months. Buyers are more motivated to get down to business.

Prices for: Oceania, All First Sales, Free on Board - Port, Conventional, and Edible Whole Milk Powder
Price Range - 26% Butterfat; \$/MT: 3,125 - 3,275

Secondary Sourced Information:

This milk production season, July 2018 – January 2019 WMP exports from Australia, 29.8 million MT, decreased 40.2 percent from year earlier, according to Dairy Australia. The value of Australian WMP exports, 260.2 million Australian dollars, decreased 46.8 percent.

WMP exports from New Zealand during January 2019, 177,000 MT, were up 17.6 percent from January 2018, according to CLAL. The table below shows the top export destinations and country percent change comparing January 2019 with January 2018.

New Zealand WMP Exports

Destination	% Change Jan. 2019/2018
China	+ 10.0
Algeria	- 7.8
Bangladesh	+148.0
Thailand	+ 91.7
Vietnam	+ 59.3

At GDT event 231 on March 5, the WMP all contracts price, \$3,186, increased 6.0 percent. The April contract, \$3,147, increased 5.6 percent.

Exchange rates for selected foreign currencies:
March 11, 2019

.0242 Argentina Peso	.0143 India Rupee
.7071 Australian Dollar	.0090 Japan yen
.2604 Brazil Real	.0515 Mexican Peso
.7466 Canadian Dollar	.6831 New Zealand Dollar
.0015 Chile Peso	.2615 Poland Zloty
1.1245 Euro	.0303 Uruguay Peso

Conversion example: To compare the value of 1 US Dollar to Mexican Pesos: $(1/.0515) = 19.4175$ Mexican Pesos. Source: "Wall Street Journal"

INTERNATIONAL DAIRY MARKET NEWS - SOUTH AMERICA

Information gathered March 4 - 15, 2019

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SOUTH AMERICA OVERVIEW

Continentially, farm milk production is steady to slightly up as temperatures remain high, very similar to the past two weeks. Sporadic rains maintained favorable general conditions for forage and the second harvest of maize and cotton in key agricultural areas. If the weather conditions remain favorable, feed costs could drop in the short term, helping several farmers to mitigate relatively low milk prices. In general, milk intakes are more than adequate for most processing needs. Fluid/UHT milk demands from educational institutions, retailers, and food service are improving. In the same fashion, interest for cream is strong ahead of the upcoming fall holiday season. The butterfat market is still in a bullish position as supplies remain below adequate to cover all buyers/end users' needs. Cheese production in very active across the continent.

some upward WMP pricing movements in some offshore auctions. Exports inside and outside the Mercosur bloc are still active as some processors continue capitalizing on relatively weak regional currencies.

Prices for: South America, All First Sales, Free on Board - Port, Conventional, and Edible Whole Milk Powder
Price Range - 26% Butterfat; \$/MT: 2,900 - 3,400

Secondary Sourced Information:

At the GDT Event 231 on March 5, whole milk powder (WMP) prices across all contract periods averaged \$3,186 per metric ton, up 6.0 percent from the last event.

SKIM MILK POWDER

In the Southern Cone of South America, skim milk powder (SMP) manufacturing is generally limited as regional milk intakes trend lower, while manufacturers focus on drying schedules for WMP. Nonetheless, SMP stocks from manufacturers remain more than enough to meet most spot and contractual needs. During the past two weeks, SMP free on board (f.o.b.) export prices adjusted lower, in line with recent downtick SMP price movements at some auctions abroad. Export trading is reported as sluggish, specially from Argentina/Uruguay to Brazil, wish in reflected on the top of the pricing range. Meanwhile, the bottom price of the range is reflecting light SMP exports from the Southern Cone to countries outside Mercosur such as Algeria.

Prices for: South America, All First Sales, Free on Board - Port, Conventional, and Edible Skim Milk Powder
Price Range - 1.25% Butterfat; \$/MT: 2,400 - 2,700

Secondary Sourced Information:

At the GDT Event 231 on March 5, skim milk powder (SMP) prices across all contract periods averaged \$2,462 per metric ton, down 4.3 percent from the last event.

2019 Brazil SMP Imports (USDA-COMEX)

	2019 Imports (Million Ton.)	% Change From 1 Year Ago
February	1.8	- 26
TOTAL, JAN - FEB	4.1	+ 29
1 Argentina	1.2	- 45
2 Uruguay	1.1	- 48
3 Chile	0.6	...
4 United States	0.4	...

2019 Brazil WMP Imports (USDA-COMEX)

	2019 Imports (Million Ton.)	% Change From 1 Year Ago
February	8.8	+ 155
TOTAL, JAN - FEB	15.0	+ 132
1 Argentina	9.4	+ 141
2 Uruguay	4.7	+ 143
3 Paraguay	0.9	- 78

WHOLE MILK POWDER

Compared to past couple of weeks, supplies of condensed milk moving into whole milk powder (WMP) processing are lower in the Southern Cone of South America, partially due to the opening of many public schools. As a result, WMP inventories are becoming less accessible, while the general buyers' demand remains fair/good. In this fashion, free on board (f.o.b.) export prices for WMP shifted up, in line with

CME GROUP, INC FUTURES

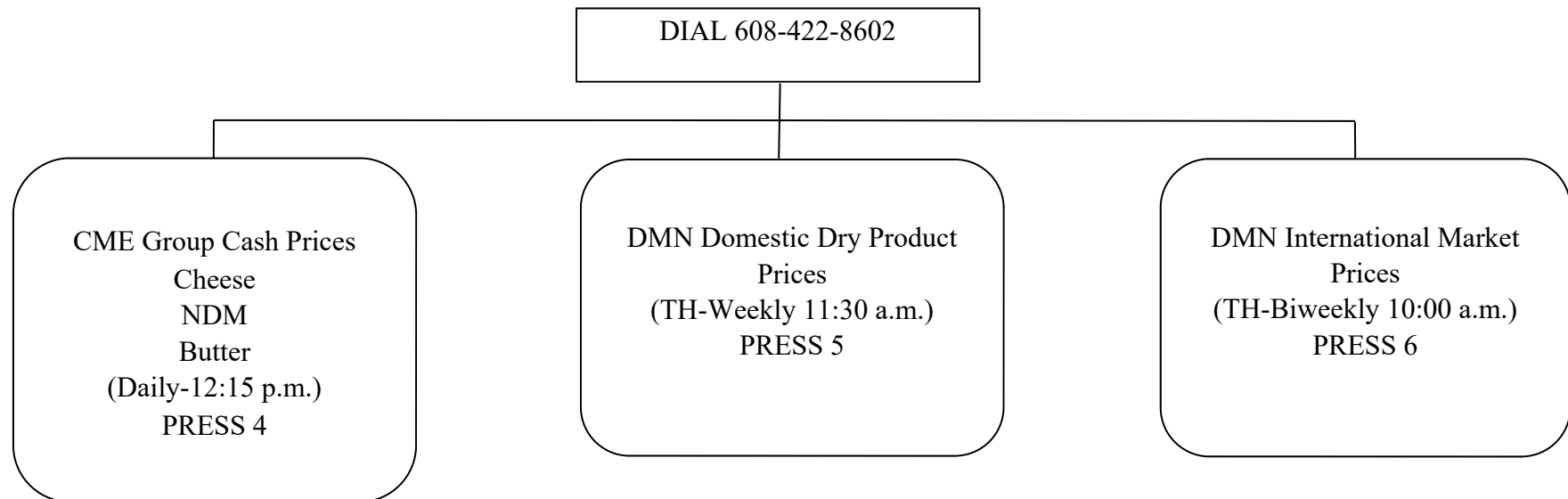
Selected settling prices

Month	03/01	03/04	03/05	03/06	03/07	03/08	03/11	03/12	03/13	03/14
III MILK FUTURES (Pit-Traded) (\$/cwt)										
MAR 19	15.20	15.13	15.12	15.19	15.09	14.97	14.93	14.92	14.91	14.95
APR 19	15.13	15.00	15.01	15.15	14.98	14.80	14.80	14.98	14.95	15.09
MAY 19	15.20	15.15	15.17	15.26	15.14	15.03	15.07	15.25	15.19	15.33
JUN 19	15.52	15.46	15.49	15.57	15.46	15.40	15.41	15.55	15.51	15.64
JUL 19	15.98	15.95	15.97	16.01	15.96	15.89	15.90	16.04	15.99	16.10
AUG 19	16.13	16.14	16.17	16.21	16.17	16.15	16.16	16.24	16.22	16.31
SEP 19	16.33	16.34	16.38	16.42	16.38	16.39	16.40	16.47	16.44	16.51
OCT 19	16.30	16.30	16.31	16.38	16.36	16.37	16.38	16.40	16.40	16.43
NOV 19	16.24	16.24	16.25	16.25	16.24	16.25	16.29	16.30	16.32	16.36
CLASS IV MILK FUTURES (Pit-Traded) (\$/cwt)										
MAR 19	15.86	15.81	15.82	15.82	15.81	15.79	15.79	15.79	15.79	15.79
APR 19	16.05	16.10	15.96	15.89	15.89	15.92	15.87	15.85	15.85	15.86
MAY 19	16.24	16.30	16.19	16.14	16.02	16.08	16.01	16.01	16.00	16.00
JUN 19	16.44	16.44	16.43	16.30	16.30	16.33	16.30	16.29	16.24	16.24
CASH SETTLED BUTTER FUTURES (Electronic-Traded) (¢/lb)										
MAR 19	228.00	228.00	227.25	226.50	226.53	227.53	227.53	227.53	227.53	227.53
APR 19	230.93	231.75	229.75	227.80	227.60	228.20	229.05	229.40	229.00	230.00
MAY 19	232.13	233.18	231.75	228.80	228.98	230.58	231.00	231.73	231.00	232.00
JUN 19	231.75	232.48	232.73	230.40	230.00	231.50	232.00	232.50	232.50	233.25
NONFAT DRY MILK FUTURES (Pit-Traded) (¢/lb)										
MAR 19	97.40	97.50	97.45	97.50	97.50	97.23	96.95	96.95	96.70	96.50
APR 19	98.08	98.15	97.80	97.80	97.40	97.03	96.58	96.33	96.28	96.50
MAY 19	100.00	100.00	99.25	99.70	99.25	98.73	97.88	97.35	97.20	97.43
JUN 19	102.03	102.03	101.35	101.60	100.98	100.85	100.25	99.50	99.00	99.50
WHEY (Electronic-Traded) (¢/lb)										
MAR 19	40.43	40.30	40.30	40.33	40.75	40.70	40.70	41.00	40.60	40.08
APR 19	39.93	39.88	40.25	40.25	40.38	40.18	40.25	40.25	40.70	39.40
MAY 19	39.80	39.80	39.85	40.00	40.00	40.15	40.15	40.40	40.85	39.78
JUN 19	39.00	39.00	39.03	40.00	40.00	39.70	39.70	40.20	39.78	39.03
CHEESE CSC (Electronic-Traded) (\$/lb)										
MAR 19	1.56	1.55	1.55	1.56	1.54	1.53	1.53	1.53	1.53	1.53
APR 19	1.55	1.54	1.54	1.55	1.54	1.52	1.52	1.53	1.53	1.55
MAY 19	1.56	1.55	1.56	1.56	1.55	1.54	1.55	1.56	1.55	1.57
JUN 19	1.60	1.59	1.59	1.60	1.59	1.58	1.58	1.60	1.59	1.61

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

MARKET NEWS INFORMATION BY PHONE

The system is accessible via a touch-tone telephone. By listening to the menu and pressing the appropriate numbers, you will have access to the latest CME Group daily pricing for cheese, NDM, and butter, weekly domestic DMN dry product prices, and biweekly DMN international dairy product prices. Release day(s) and times (Central) are in parenthesis. 1/



UNITED STATES DEPARTMENT
OF AGRICULTURE
DAIRY MARKET NEWS
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1/ Holidays may affect release days and times.

January Milk Production

Milk production in the 23 major States during January totaled 17.5 billion pounds, up 1.3 percent from January 2018. December revised production, at 17.1 billion pounds, was up 0.8 percent from December 2017. The December revision represented an increase of 2 million pounds or less than 0.1 percent from last month's preliminary production estimate.

Production per cow in the 23 major States averaged 2,011 pounds for January, 38 pounds above January 2018. This is the highest production per cow for the month of January since the 23 State series began in 2003.

The number of milk cows on farms in the 23 major States was 8.72 million head, 52,000 head less than January 2018, but 2,000 head more than December 2018.

January 2019 Milk Cows and Milk Production, by States

State	Milk Cows ¹		Milk per Cow ²		Milk Production ²		
	2018	2019	2018	2019	2018	2019	Change from 2018
	<i>(thousands)</i>		<i>(pounds)</i>		<i>(million pounds)</i>		<i>(percent)</i>
AZ	212	204	2,095	2,095	444	427	-3.8
CA	1,738	1,730	2,005	2,030	3,485	3,512	0.8
CO	170	180	2,195	2,210	373	398	6.7
FL	124	116	1,775	1,810	220	210	-4.5
ID	605	615	2,055	2,095	1,243	1,288	3.6
IL	93	85	1,800	1,800	167	153	-8.4
IN	187	181	1,930	1,935	361	350	-3.0
IA	220	220	2,035	2,075	448	457	2.0
KS	156	162	1,960	2,005	306	325	6.2
MI	428	422	2,190	2,245	937	947	1.1
MN	455	450	1,835	1,885	835	848	1.6
NM	334	324	2,140	2,130	715	690	-3.5
NY	625	627	1,955	2,015	1,222	1,263	3.4
OH	262	253	1,800	1,795	472	454	-3.8
OR	124	125	1,695	1,760	210	220	4.8
PA	525	500	1,760	1,745	924	873	-5.5
SD	119	123	1,855	1,910	221	235	6.3
TX	530	548	1,985	2,060	1,052	1,129	7.3
UT	98	100	1,930	1,930	189	193	2.1
VT	128	126	1,780	1,825	228	230	0.9
VA	87	78	1,700	1,680	148	131	-11.5
WA	276	280	2,020	2,060	558	577	3.4
WI	1,275	1,270	2,000	2,065	2,550	2,623	2.9
23 State Total	8,771	8,719	1,973	2,011	17,308	17,533	1.3

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Source: U.S. Department of Agriculture. National Agricultural Statistics Service. Agricultural Statistics Board. *Milk Production*, (March 2019).

January 2019 Dairy Products Highlights

Butter production was 190 million pounds, 4.2 percent above January 2018, and 10.4 percent above December 2018. **American type cheese** production totaled 439 million pounds, 1.2 percent above January 2018, and 3.2 percent above December 2018. **Total cheese** output (excluding cottage cheese) was 1.10 billion pounds, 0.4 percent above January 2018, and 0.7 percent above December 2018. **Nonfat dry milk** production, for human food, totaled 173 million pounds, 7.7 percent above January 2018, and 21.0 percent above December 2018. **Dry whey** production, for human food, was 80.0 million pounds, 9.5 percent below January 2018, but 8.9 percent above December 2018. **Ice cream, regular hard** production totaled 53.0 million gallons, 3.2 percent below January 2018, but 21.3 percent above December 2018.

Production of Dairy Products									
Product	January 2019	Change from			Product	January 2019	Change from		
		Jan 2018	Dec 2018	Year to Date ¹			Jan 2018	Dec 2018	Year to Date ¹
	<i>(1,000 lbs)</i>	<i>(percent)</i>				<i>(1,000 lbs)</i>	<i>(percent)</i>		
Butter	189,806	4.2	10.4	4.2	Yogurt (plain and flavored)	384,097	5.1	11.1	5.1
Cheese					Dry whey, human food	79,703	-9.5	8.9	---
American types ²	438,714	1.2	3.2	1.2	Dry whey, animal feed	1,499	-32.8	14.5	---
Cheddar	322,594	1.4	5.1	1.4	Dry whey, total ⁸	81,202	-10.1	9.0	-10.1
Other American	116,120	0.6	-1.9	---	Reduced lactose & minerals				
Brick & Muenster	17,987	15.4	21.2	---	Human food	1,837	-3.1	2.1	---
Cream & Neufchatel	75,438	-11.2	-8.0	---	Animal feed	3,321	9.2	29.2	---
Hispanic	23,368	2.1	-19.7	---	Lactose, human food & animal feed	105,214	10.9	-0.9	10.9
Total Italian types	480,742	1.3	0.3	1.3	Whey protein concentrate				
Mozzarella	379,250	3.3	0.1	3.3	Human food ⁹	50,682	17.4	26.1	---
Other Italian	101,492	-5.5	0.9	---	Animal feed ⁹	1,476	430.9	126.4	---
Swiss	29,568	4.4	6.0	---	Total ⁹	52,158	20.0	27.7	20.0
All other types	34,641	-5.7	0.6	---	25.0-49.9 percent ¹⁰	26,925	66.6	52.3	---
Total	1,100,458	0.4	0.7	0.4	50.0-89.9 percent ¹⁰	25,233	-7.6	8.9	---
Cottage cheese, curd ³	32,575	7.2	19.2	---	Whey protein isolates ¹¹	10,764	12.4	0.7	---
Cottage cheese, cream ⁴	28,322	10.9	15.6	10.9					
Cottage cheese, lowfat ⁵	28,071	4.5	22.5	4.5					
Dry buttermilk	13,189	0.7	41.9	---	Frozen products				
Dry whole milk	12,504	23.3	94.2	---	Ice cream, regular hard	52,994	-3.2	21.3	-3.2
Milk protein conc. (MPC), total ⁶	12,016	-23.0	17.3	---	Ice cream, lowfat, hard	15,398	-2.2	13.7	---
Nonfat dry milk (NDM), human	172,647	7.7	21.0	7.7	Ice cream, lowfat, soft	12,658	-18.3	-3.1	---
Skim milk powders (SMP) ⁷	30,406	-33.5	-40.1	-33.5	Ice cream, lowfat, total	28,056	-10.2	5.5	-10.2
Sour cream	121,604	2.5	-4.3	2.5	Sherbet, hard	2,469	-17.0	8.8	-17.0
					Frozen yogurt, total	4,225	-8.5	21.9	-8.5

Manufacturers' Stocks, End of Month ¹²							
Product	January 2019	January 2018	December 2018	Product	January 2019	January 2018	December 2018
Dry whey, human food	78,683	-11.6	20.8	Whey protein concentrate			
Dry whey, animal feed	706	-41.1	-29.2	Human food ⁹	72,932	-14.4	13.4
Reduced lactose & minerals—human & animal ¹³	4,433	-8.8	-	Animal feed ⁹	2,433	293.1	125.7
Lactose, human food & animal feed	109,233	-13.5	3.8	Total ⁹	75,365	-12.2	15.3
Dry buttermilk	20,713	-17.4	8.2	25.0-49.9 percent ¹⁰	28,684	14.0	14.4
Nonfat dry milk, human food	283,606	-7.6	3.2	50.0-89.9 percent ¹⁰	46,681	-23.0	15.8
				Whey protein isolates ¹¹	22,699	-19.4	-2.8

¹ 2018 cumulative as percent change of 2017 cumulative. ² Includes Cheddar, Colby, Monterey and Jack. ³ Mostly used for processing into cream or lowfat cottage cheese. ⁴ Fat content 4 percent or more. ⁵ Fat content less than 4 percent. ⁶ Dry milk protein concentrate, 40-89.9 percent. ⁷ Includes protein standardized and blends. ⁸ Excludes all modified dry whey products. ⁹ Whey protein concentrate, 25.0 to 89.9 percent. ¹⁰ Whey protein concentrate, human and animal. ¹¹ Whey protein isolates, 90.0 percent or greater. ¹² Stocks held by manufacturers at all points and in transit. ¹³ Reduced lactose and minerals stocks combined to avoid disclosure of individual operations. **Source:** U.S. Department of Agriculture. National Agricultural Statistics Service. Agricultural Statistics Board. *Dairy Products, March 2019.*

March Supply and Demand Estimates

For 2019, the milk production forecast is lowered on smaller expected dairy cow numbers. The fat basis export forecast is reduced on slower expected sales of butterfat due to increased global competition. Skim-solids basis exports are lowered on expected strong competition in international skim milk powder markets and slower expected demand for whey products. The fat basis import forecast is lowered slightly while the skim-solids basis import forecast is unchanged. Annual product price forecasts for cheese, butter, nonfat dry milk (NDM) are raised from the previous month, but the whey price forecast is reduced slightly. The Class III price is raised as the higher cheese price projection more than offsets the lower whey price. The Class IV price is increased on higher forecast butter and NDM prices. The all milk price forecast is raised to average \$17.00 to \$17.60 per cwt.

U.S. Milk Supply and Use					
Commodity	2017	2018 Estimated		2019 Projected	
		Feb	Mar	Feb	Mar
		<i>(billion pounds)</i>			
Milk					
Production	215.5	217.6	217.5	220.1	219.7
Farm Use	1.0	1.0	1.0	1.0	1.0
Fat Basis Supply					
Beginning Commercial Stocks	12.7	13.4	13.4	13.7	13.9
Marketings	214.5	216.6	216.5	219.1	218.8
Imports	6.0	6.3	6.3	6.6	6.5
Total Commercial Supply	233.2	236.4	236.3	239.4	239.2
Fat Basis Use					
Commercial Exports	9.2	10.6	10.5	10.3	10.1
Ending Commercial Stocks	13.4	13.7	13.9	13.3	13.6
CCC Donations	0.0	0.0	0.0	0.3	0.2
Domestic Commercial Use	210.5	212.1	211.9	215.5	215.3
Skim-Solid Basis Supply					
Beginning Commercial Stocks	9.5	11.8	11.8	11.2	10.4
Marketings	214.5	216.6	216.5	219.1	218.8
Imports	6.1	5.5	5.5	5.2	5.2
Total Commercial Supply	230.1	233.9	233.7	235.5	234.4
Skim-Solids Basis Use					
Commercial Exports	40.7	44.8	44.6	44.6	43.6
Ending Commercial Stocks	11.8	11.2	10.4	11.1	10.5
CCC Donations	0.0	0.0	0.0	0.2	0.2
Domestic Commercial Use	177.6	177.9	178.7	179.6	180.1

NOTE: Totals may not add due to rounding.

Continued on page 14

March Milk Supply and Demand Estimates-cont'd

U.S. Dairy Prices					
Commodity	2017	2018 Estimated		2019 Projected	
		Feb	Mar	Feb	Mar
<i>(dollars per pound)</i>					
Product Prices ¹					
Cheese	1.6344	1.5377	1.5377	1.480-1.550	1.510-1.570
Butter	2.3303	2.2572	2.2572	2.230-2.330	2.255-2.345
Nonfat Dry Milk	0.8666	0.7945	0.7945	0.955-1.015	0.965-1.015
Dry Whey	0.4437	0.3422	0.3422	0.435-0.465	0.425-0.455
<i>(dollars per cwt)</i>					
Milk Prices ²					
Class III	16.17	14.61	14.61	14.70-15.40	14.90-15.50
Class IV	15.16	14.23	14.23	15.55-16.35	15.75-16.45
All Milk ³	17.65	16.20	16.18	16.90-17.60	17.00-17.60
Quarterly					
	2018 IV	2019 I ⁴	2019 II ⁴	2019 III ⁴	2019 IV ⁴
<i>(billion pounds)</i>					
Milk Production	53.3	54.6	56.4	54.4	54.3
<i>(dollars per cwt)</i>					
All Milk Price ^{2,3}	16.93	16.75-16.95	17.05-17.55	16.75-17.55	17.30-18.30
Class III Price ²	14.58	14.00-14.20	14.75-15.25	15.30-16.10	15.40-16.40
Class IV Price ²	15.05	15.60-15.90	15.85-16.45	15.85-16.75	15.65-16.75

¹ Simple average of monthly prices calculated from AMS weekly average dairy product prices for class price computations. Details may be found by going to <http://www.ams.usda.gov/rules-regulations/mmr/dmr>; scroll down to Publications, National Dairy Products Sales Reports, and select Current Release & Archives." ² Annual and quarterly Class III and Class IV prices are the simple average of monthly minimum Federal order milk prices paid by regulated plants for milk used in the respective classes. All milk price is the simple average of monthly prices received by farmers for milk at average test. ³ Does not reflect any deductions from producers as authorized by legislation. ⁴ Projection.

Source: U.S. Department of Agriculture. World Agricultural Outlook Board. *World Agricultural Supply and Demand Estimates, WASDE-586, March 8, 2019*. Approved by the Interagency Commodity Estimates Committee [members for Dairy are: Shayle Shagam, Chairperson, WAOB; Carolyn Liebrand, AMS; Paul Kiendl, FAS; Jerry Cessna, ERS; and Milton Madison, FSA].

Consumer Price Index and Average Retail Prices for Selected Products, U.S. City Average ¹

Consumer Price Index												
Month	All Food		Dairy Products		Fresh Whole Milk		Cheese		Butter		Meat, Poultry, Fish, and Eggs	
	CPI ²	Pct. Chg ³	CPI ²	Pct. Chg ³	CPI ²	Pct. Chg ³	CPI ²	Pct. Chg ³	CPI ²	Pct. Chg ³	CPI ²	Pct. Chg ³
Dec 2018	255.2	1.6	216.7	-0.1	196.2	-1.8	227.5	-0.4	237.7	-0.2	247.3	-0.4
Jan 2019	256.4	1.6	217.1	-0.4	197.0	-0.5	226.0	-2.1	248.4	0.7	248.2	0.4
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

U.S. City Average Retail Prices										
Month	Whole Milk ⁴		Butter ⁵		Process Cheese ⁶		Natural Cheese ⁷		Ice Cream ⁸	
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017
Dec	2.853	3.155	N/A	N/A	3.944	4.130	5.360	4.950	4.812	4.758
	<i>(dollars)</i>									
	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Jan	2.913	2.961	N/A	N/A	3.922	4.015	5.372	5.021	4.912	4.786
Feb	2.900	2.923	N/A	N/A	3.863	4.064	5.247	5.082	4.981	4.670
	<i>(dollars)</i>									

N/A = Not available. ¹ "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. ² The standard reference base period for these indexes is 1982-1984 = 100. ³ Percent change over previous year. ⁴ Per gallon. ⁵ Per pound. Grade AA, salted, stick butter. ⁶ Per pound, any size and type of package. ⁷ Per pound, cheddar cheese in any size and type of package and variety (sharp, mild, smoked, etc). ⁸ Per 1/2 gallon prepackaged regular.

January Milk Sales

4.2 billion pounds of packaged fluid milk products were shipped by milk handlers in January 2019. This was 0.6 percent lower than a year earlier. Estimated sales of total conventional fluid milk products decreased 0.5 percent from January 2018 and estimated sales of total organic fluid milk products decreased 1.3 percent from a year earlier.

Estimated Total U.S. Sales of Fluid Milk Products, January 2019, with Comparisons ¹

Product Name	Sales ²		Change from:	
	November	Year to Date ⁴	Previous Year ⁴	Year to Date ⁴
	<i>(million pounds)</i>		<i>(percent)</i>	
Conventional Production Practice				
Whole Milk	1,351	1,351	2.6	2.6
Flavored Whole Milk	88	88	67.6	67.6
Reduced Fat Milk (2%)	1,300	1,300	-2.3	-2.3
Low Fat Milk (1%)	528	528	-4.0	-4.0
Fat-Free Milk (Skim)	312	312	-9.2	-9.2
Flavored Fat-Reduced Milk	336	336	-6.2	-6.2
Buttermilk	35	35	-15.6	-15.6
Other Fluid Milk Products	26	26	613.7	613.7
Total Fat-Reduced Milk ³	2,475	2,475	-4.1	-4.1
Total Conventional Milk Products	3,974	3,974	-0.5	-0.5
Organic Production Practice				
Whole Milk	99	99	5.6	5.6
Reduced Fat Milk (2%)	75	75	-0.2	-0.2
Low Fat Milk (1%)	34	34	-4.3	-4.3
Fat-Free Milk (Skim)	18	18	-20.7	-20.7
Flavored Fat-Reduced Milk	6	6	-27.8	-27.8
Other Fluid Milk Products	0	0	3,062.1	3,062.1
Total Fat-Reduced Milk ³	133	133	-6.2	-6.2
Total Organic Milk Products	233	233	-1.3	-1.3
Total Fluid Milk Products	4,207	4,207	-0.6	-0.6

¹ 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. ² Data may not add due to rounding. ³ Both conventional and organic fat-reduced milk categories are the total of reduced fat, lowfat, skim and flavored fat-reduced milk. ⁴ Year to Date Sales, Change from Previous Year, and Change in Year to Date figures are influenced by the shift of California from being administered by the California Department of Food and Agriculture (CDFA) to a Federal order (i.e., changes in product classification, etc.). The California Federal Milk Marketing Order became effective on November 1, 2018.

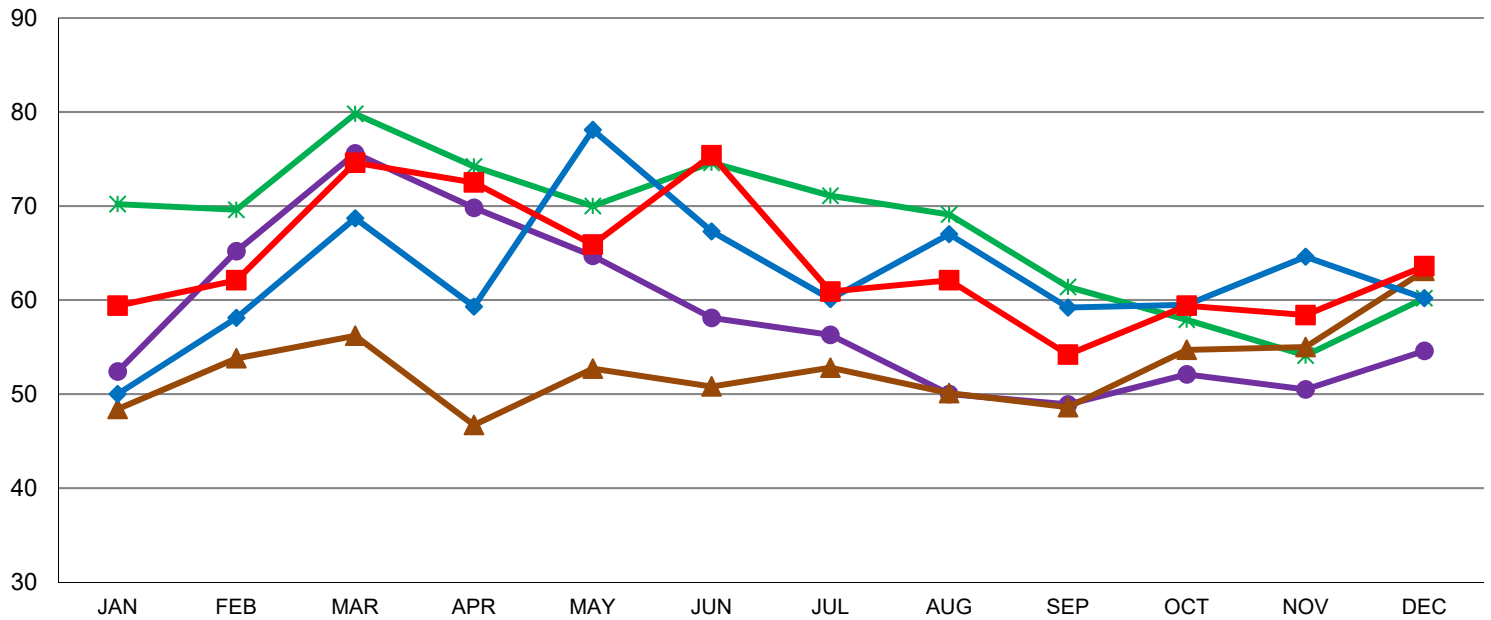
Package Sales of Total Fluid Milk Products in Federal Milk Orders, January 2019, with Comparisons ¹

Marketing Area	Order Number	Sales ²		Change from:	
		December	Year to Date	Previous Year ³	Year to Date ³
		<i>(million pounds)</i>		<i>(percent)</i>	
Northeast	001	688	688	-1.8	-1.8
Appalachian	005	287	287	-3.6	-3.6
Florida	006	246	246	-0.6	-0.6
Southeast	007	386	386	-2.4	-2.4
Upper Midwest	030	300	300	-4.3	-4.3
Central	032	360	360	-1.4	-1.4
Mideast	033	486	486	4.5	4.5
California ³	051	472	472	5.9	5.9
Pacific Northwest	124	160	160	-3.6	-3.6
Southwest	126	396	396	-1.9	-1.9
Arizona	131	90	90	-3.2	-3.2
All Areas (Totals) ¹		3,870	3,870	-0.6	-0.6

¹ These figures are representative of the consumption of total fluid milk products in the respective area. ² Data may not add due to rounding. ³ 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.

Million Pounds

Cheese Exports (various H.S. Codes)

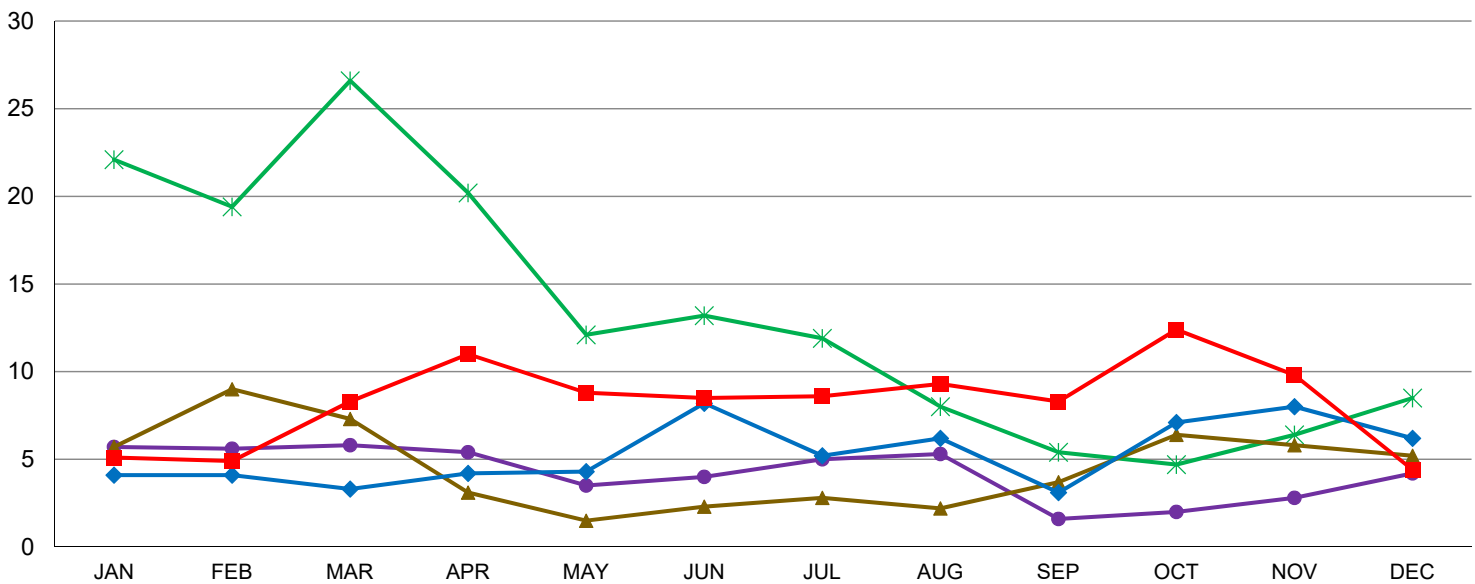


GRAPH USDA, DMN; SOURCE USDA,FAS

2014 2015 2016 2017 2018

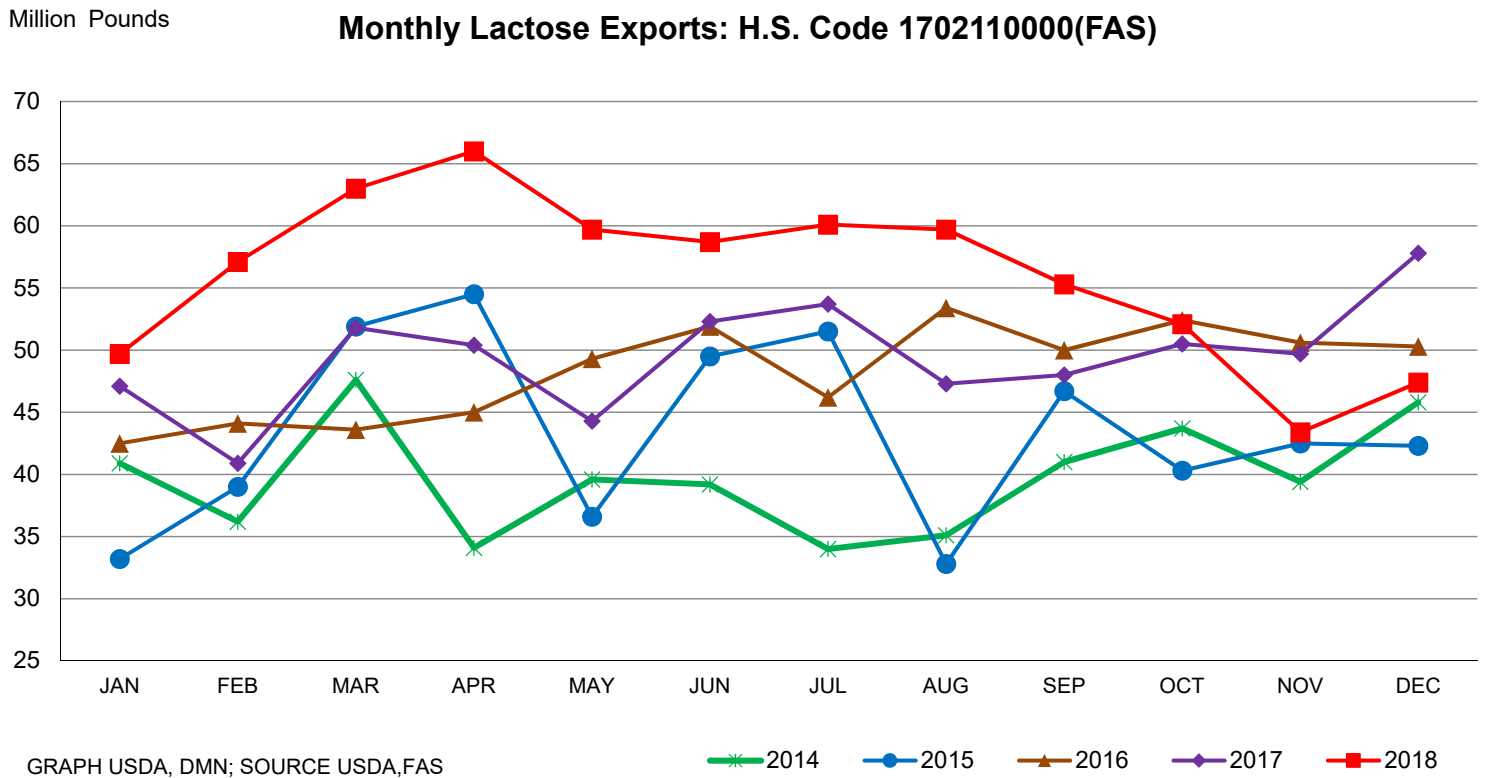
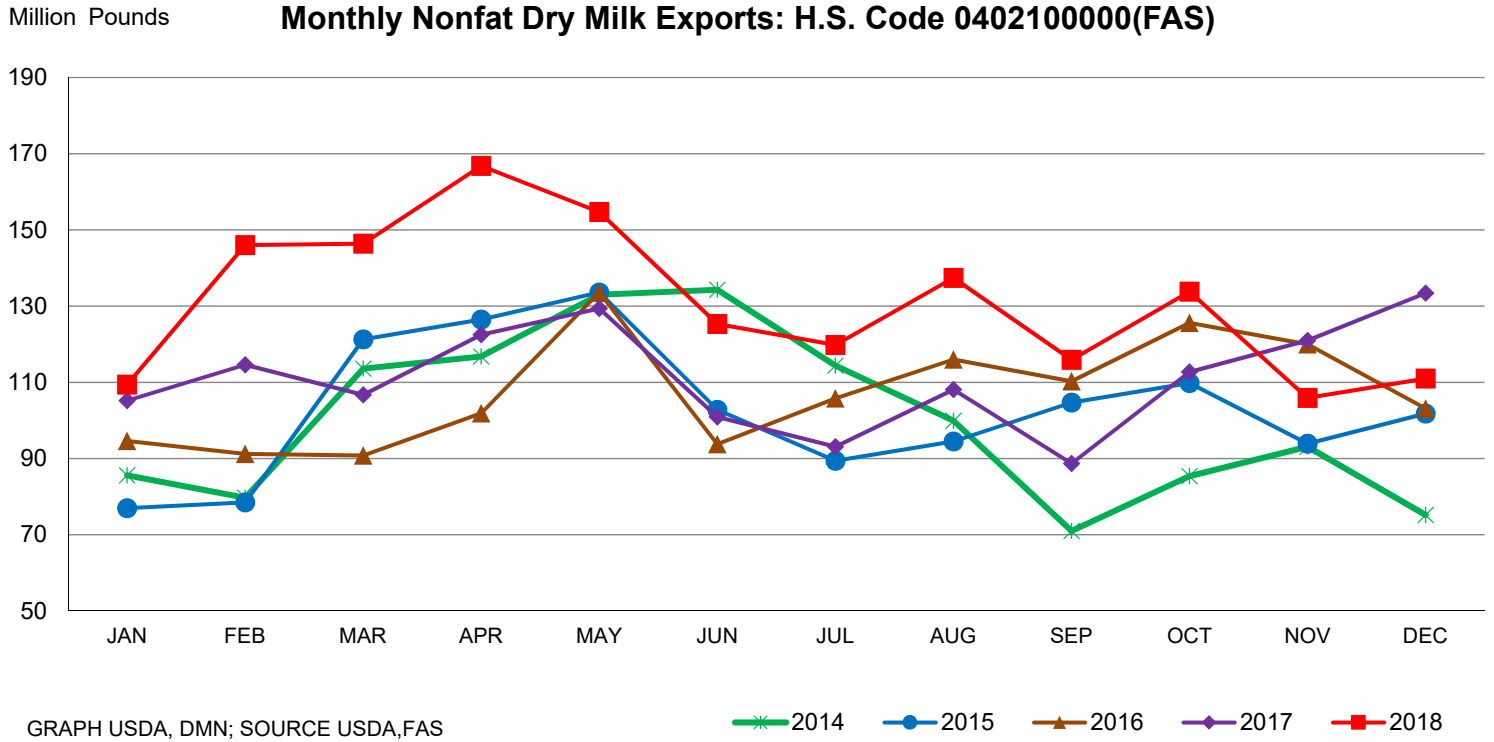
Million Pounds

U.S. Butter and Milkfat Exports (various H.S. Codes)



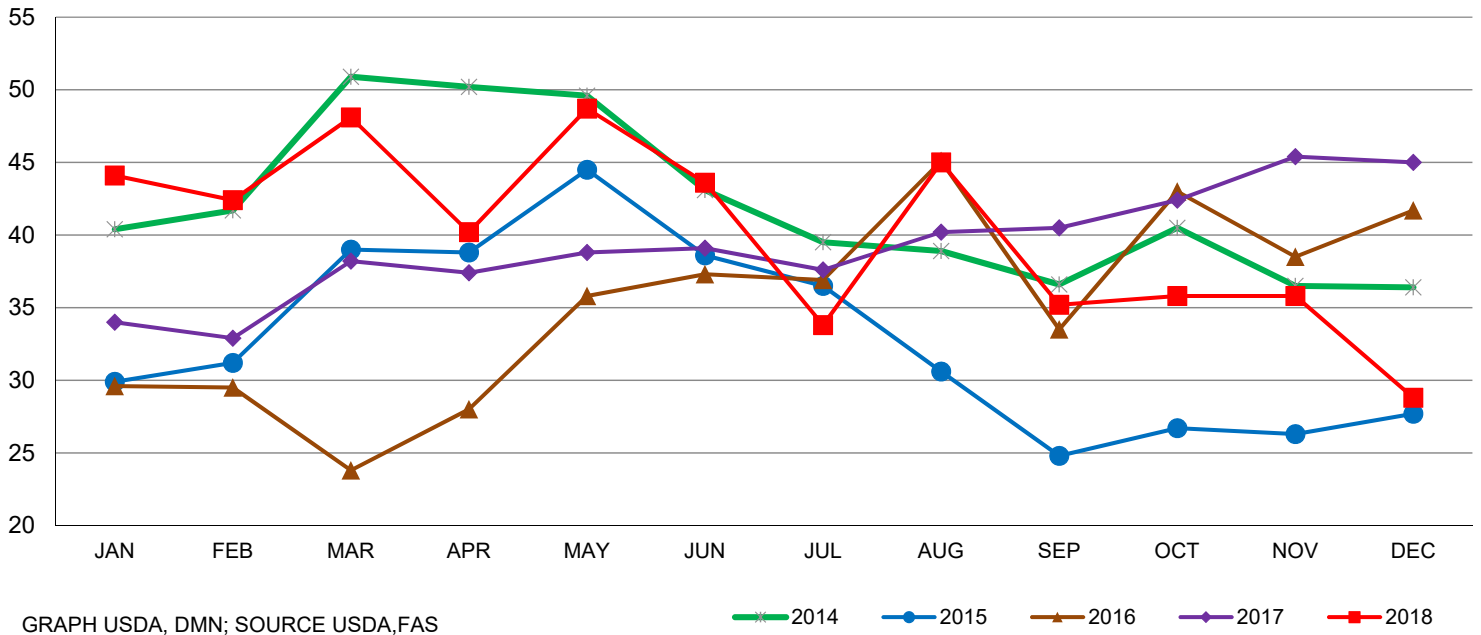
GRAPH, USDA, DMN; SOURCE, USDA,FAS

2014 2015 2016 2017 2018



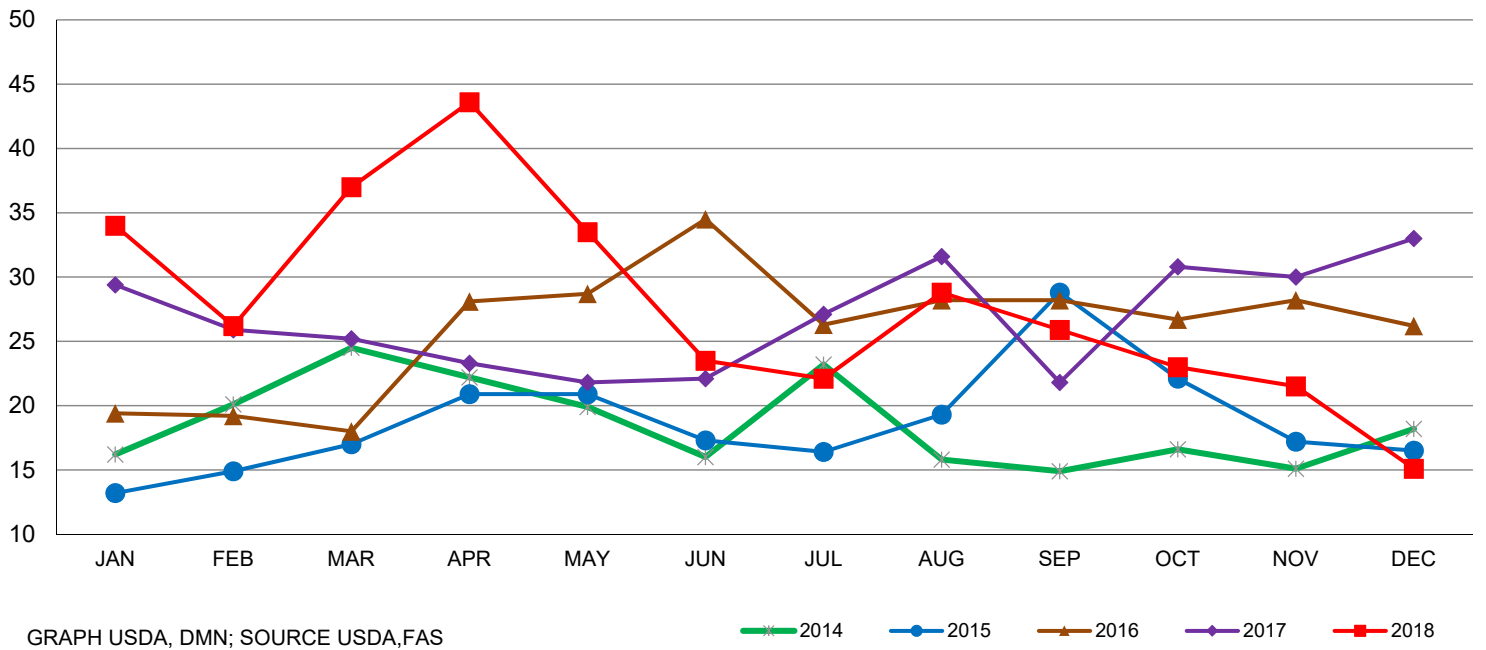
Million Pounds

Monthly Dry Whey Exports: H.S. Code 0404104000(FAS)



Million Pounds

Monthly WPC <80% Exports: H.S. Code 0404100500(FAS)





Dairy Market News Branch

**Agricultural
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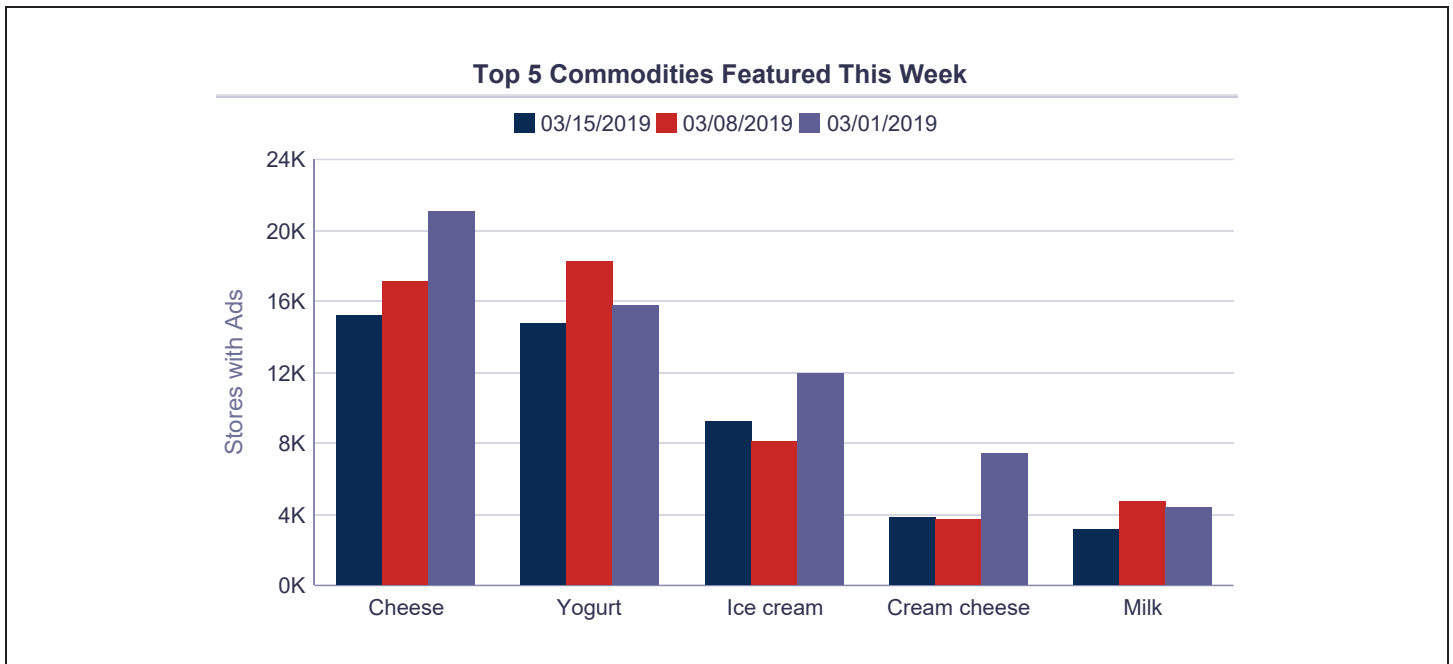
Advertised Prices for Dairy Products at Major Retail Supermarket Outlets ending during the period of 03/15/2019 to 03/21/2019

Following the start of daylight savings time in most of the United States, conventional ice cream in 48-64 oz. containers is the most advertised product/category this week, with ad numbers increasing 15 percent. The weighted average advertised price, \$2.87, decreased 9 cents from last week. Ad numbers for conventional cottage cheese in 16 oz. packages decreased 55 percent. The weighted average advertised price, \$2.35, is up 33 cents.

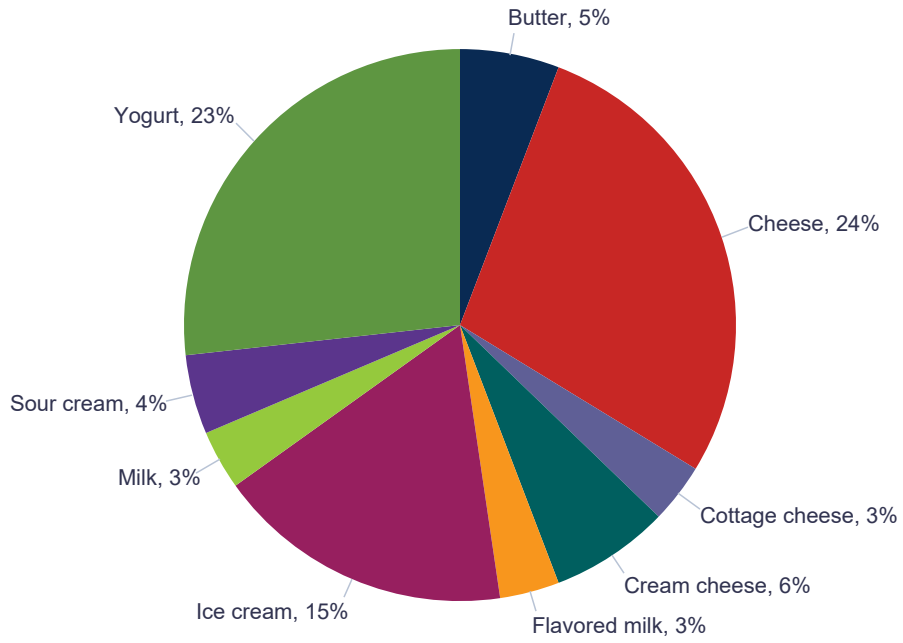
The national weighted average advertised price for conventional milk half gallons is \$2.29, compared to \$4.09 for organic milk half gallons, an organic price premium of \$1.80. Conventional half gallon milk ad numbers decreased 29 percent. Organic half gallon milk ad numbers decreased 46 percent. There are narrowly more ads for organic half gallons than conventional half gallons.

Conventional cheese ad numbers decreased 14 percent. The weighted average price for conventional 8 oz shred cheese is \$2.05, down 39 cents from last week. The weighted average price for organic 8 oz shred cheese, the only organic cheese advertised, is \$3.49, resulting in a \$1.44 organic price premium.

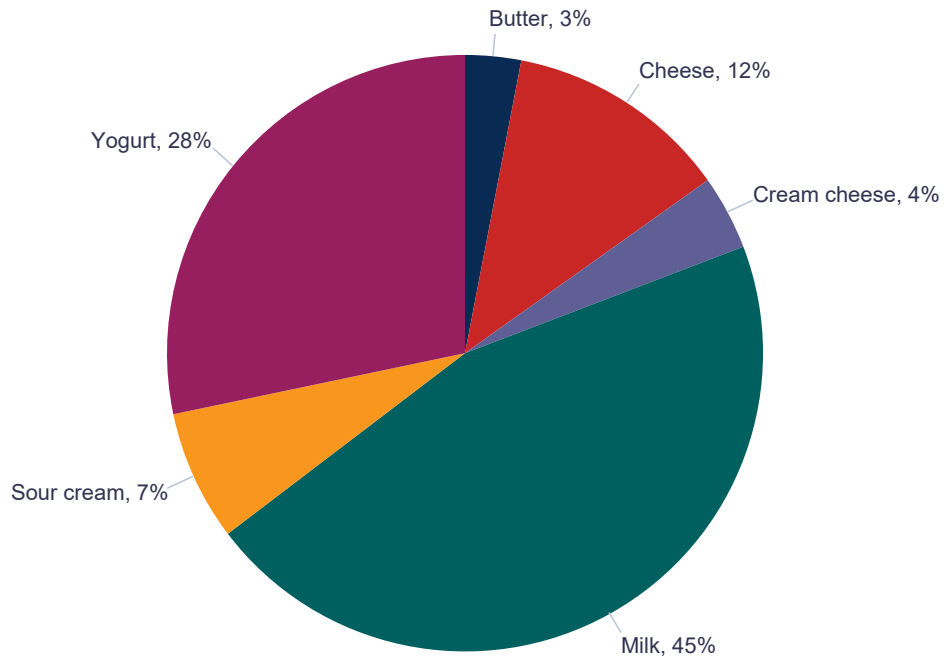
Conventional yogurt ad numbers decreased 22 percent. Organic yogurt ads more than doubled but remain a small percentage of conventional yogurt ad numbers. The weighted average advertised price for conventional yogurt in 4 to 6 oz. containers is \$0.52, up 3 cents from last week. The weighted average price for organic conventional yogurt in 4 to 6 oz. containers, \$0.89, results in a 37-cent organic price premium.



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 #	3045	3.12	1338	3.52	2420	3.33
Cheese	Natural Varieties	8 oz block	3284	2.06	5780	2.33	8007	2.26
Cheese	Natural Varieties	1 # block	1720	3.73	2705	3.48	2317	3.77
Cheese	Natural Varieties	2 # block	1246	4.71	319	6.04	458	5.88
Cheese	Natural Varieties	8 oz shred	7905	2.05	7459	2.44	11843	2.23
Cheese	Natural Varieties	1 # shred	603	3.17	884	3.12	2291	3.41
Cottage cheese		16 oz	1691	2.35	3736	2.02	3893	2.06
Cream cheese		8 oz	3670	1.68	3743	1.79	7273	2.15
Flavored milk	All fat tests	half gallon	1098	2.79	1138	2.85	1276	2.41
Flavored milk	All fat tests	gallon	604	2.82	390	2.54	739	2.40
Ice cream		48-64oz	9278	2.87	8058	2.96	12065	3.04
Milk	All fat tests	half gallon	1158	2.29	1629	2.39	1752	2.56
Milk	All fat tests	gallon	574	2.81	391	2.70	1691	2.55
Sour cream		16 oz	2380	1.80	4170	1.89	8589	1.83
Yogurt	Greek	4-6 oz	6949	.96	8027	.94	12635	.95
Yogurt	Greek	32 oz	1442	3.93	1778	4.19	2328	4.37
Yogurt	Yogurt	4-6 oz	4742	.52	6777	.49	4656	.51
Yogurt	Yogurt	32 oz	714	2.83	1208	3.46	1276	3.02

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 #	1.99-3.99	548	2.74	2.79-3.00	1089	2.81	3.48	180	3.48
Cheese	Natural Varieties	8 oz block	1.66-2.99	701	2.08	2.00-2.50	1142	2.04	1.67-1.88	282	1.83
Cheese	Natural Varieties	1 # block	3.50-4.99	315	4.12	3.99	572	3.99	2.49	233	2.49
Cheese	Natural Varieties	2 # block							3.99-4.99	466	4.49
Cheese	Natural Varieties	8 oz shred	1.33-2.50	1433	1.85	1.88-2.99	2432	2.02	1.25-2.50	679	1.98
Cheese	Natural Varieties	1 # shred	3.99	135	3.99				2.49	331	2.49
Cottage cheese		16 oz	1.97-2.99	887	2.37	1.99-2.79	331	2.51	1.49-2.50	332	2.14
Cream cheese		8 oz	0.77-2.50	1434	1.88	1.28-1.66	737	1.49	1.00-1.99	606	1.52
Flavored milk	All fat tests	half gallon	1.99	84	1.99				1.98	180	1.98
Flavored milk	All fat tests	gallon	2.99	100	2.99	3.99	64	3.99	2.99	116	2.99
Ice cream		48-64oz	1.50-4.99	3073	3.05	1.50-3.50	1706	1.99	2.37-4.99	1779	2.99
Milk	All fat tests	half gallon	2.19-2.50	242	2.42				1.99	53	1.99
Milk	All fat tests	gallon	2.99	72	2.99						
Sour cream		16 oz	1.50-2.69	1378	1.85	1.50	195	1.50	1.49-1.88	205	1.69
Yogurt	Greek	4-6 oz	0.75-1.00	1973	.96	0.80-1.00	443	.95	0.80-1.00	1182	.88
Yogurt	Greek	32 oz	3.50-3.99	404	3.87	3.78-5.00	409	4.42	3.50	116	3.50

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	4-6 oz	0.42-0.60	1579	.51	0.50-0.60	1383	.57	0.39-0.50	653	.49
Yogurt	Yogurt	32 oz	2.99	220	2.99	2.49	64	2.49	2.50	180	2.50

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	250	3.46	2.99-3.99	491	3.51	2.99-3.99	463	3.54
Cheese	Natural Varieties	8 oz block	1.66-2.00	283	1.88	1.67-3.00	559	2.26	1.50-2.99	317	2.10
Cheese	Natural Varieties	1 # block	2.49-3.99	195	3.23	3.49-3.99	316	3.67	4.99	61	4.99
Cheese	Natural Varieties	2 # block	3.99-6.99	330	5.18	3.99-4.99	345	4.47	4.99	105	4.99
Cheese	Natural Varieties	8 oz shred	1.66-2.50	1403	1.95	1.67-3.00	1257	2.30	1.99-2.50	662	2.31
Cheese	Natural Varieties	1 # shred				3.99	137	3.99			
Cottage cheese		16 oz	2.00-2.50	117	2.26						
Cream cheese		8 oz	1.50-2.50	229	1.91	1.50-1.67	306	1.53	1.49-1.99	358	1.59
Flavored milk	All fat tests	half gallon	3.49	121	3.49	1.99-3.49	424	2.62	3.49	289	3.49
Flavored milk	All fat tests	gallon				1.99	114	1.99	2.50-2.99	210	2.75
Ice cream		48-64oz	2.49-3.99	761	2.85	1.99-3.99	1735	3.19	2.50-3.00	174	2.80
Milk	All fat tests	half gallon	1.59-2.69	328	2.12	1.99	246	1.99	2.69	289	2.69
Milk	All fat tests	gallon	2.99-3.99	178	3.33	1.99	114	1.99	2.50-2.99	210	2.75
Sour cream		16 oz	1.49-2.29	396	1.90				1.50-1.79	182	1.60
Yogurt	Greek	4-6 oz	0.80-1.00	1171	.96	0.77-1.25	1312	1.00	0.88-1.00	829	.95
Yogurt	Greek	32 oz				3.50	424	3.50	3.00	61	3.00
Yogurt	Yogurt	4-6 oz	0.50	239	.50	0.42-0.50	427	.46	0.40-0.50	461	.47
Yogurt	Yogurt	32 oz	2.29-2.50	188	2.37	4.99	62	4.99			

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 #				4.29	24	4.29
Cheese	Natural Varieties	1 # block	5.99	28	5.99			
Cheese	Natural Varieties	8 oz shred	2.50-4.99	39	4.29			
Cottage cheese		16 oz				2.79	24	2.79
Ice cream		48-64oz	2.99-7.99	50	5.79			
Sour cream		16 oz				2.50	24	2.50
Yogurt	Greek	4-6 oz	0.80-2.00	39	1.66			
Yogurt	Greek	32 oz	7.99	28	7.99			

NATIONAL -- ORGANIC 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 #	108	5.29	159	5.51	21	4.99
Cheese	Natural Varieties	8 oz shred	410	3.49				
Cream cheese		8 oz	137	2.50			412	2.83
Flavored milk	All fat tests	half gallon					635	4.32
Milk	All fat tests	half gallon	1341	4.09	2503	3.61	2750	3.76
Milk	All fat tests	gallon			214	4.99	711	6.04
Milk	All fat tests	8 oz UHT	137	1.17				
Sour cream		16 oz	245	2.16	1197	2.05	61	3.50
Yogurt	Greek	4-6 oz					312	1.00
Yogurt	Greek	32 oz	214	3.50			98	3.99
Yogurt	Yogurt	4-6 oz	411	.89	383	1.32	80	1.00
Yogurt	Yogurt	32 oz	298	3.49	61	3.99	608	3.65

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						
Cream cheese		8 oz	2.50	137	2.50						
Milk	All fat tests	half gallon	3.99-4.99	612	4.42	4.28	195	4.28			
Yogurt	Greek	32 oz				3.50	214	3.50			
Yogurt	Yogurt	4-6 oz	0.58-0.69	233	.61						
Yogurt	Yogurt	32 oz	3.49-3.50	298	3.49						

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	3.49	121	3.49				3.49	289	3.49
Milk	All fat tests	half gallon	3.99	72	3.99	3.49-3.99	357	3.90	2.50	105	2.50
Milk	All fat tests	8 oz UHT				1.17	137	1.17			
Sour cream		16 oz	1.88-2.49	245	2.16						
Yogurt	Yogurt	4-6 oz				1.25	178	1.25			



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

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



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