

DAIRY MARKET NEWS AT A GLANCE

CME GROUP CASH MARKETS (9/2)

BUTTER: Grade AA closed at \$3.1000. The weekly average for Grade AA is \$3.0760 (+0.0375).

CHEESE: Barrels closed at \$1.8575 and 40# blocks at \$1.7650. The weekly average for barrels is \$1.8535 (-0.0255) and blocks, \$1.7380 (-0.0320).

NONFAT DRY MILK: Grade A closed at \$1.5200. The weekly average for Grade A is \$1.5450 (+0.0005).

DRY WHEY: Extra grade dry whey closed at \$0.4650. The weekly average for dry whey is \$0.4750 (+0.0140).

CHEESE HIGHLIGHTS: In the Midwest, milk availability typically increases before a holiday weekend, but this week, contacts relay tighter spot milk availability. Despite labor shortages and supply chain delays, cheesemakers in the Northeast and West are running busy production schedules. To ensure all customers' orders of cheese are being met, some sellers in the Midwest are limiting orders of pizza and cheddar cheese. In the Northeast and West, purchasers say cheese loads are available for spot purchasing. Demand for cheese is mixed in the Midwest and West. Contacts in the Northeast report declining retail demand, while food service demand is steady. Cheese produced domestically is priced favorably to loads produced in other countries, and stakeholders in the Northeast and West say this is contributing to strong export demand.

BUTTER HIGHLIGHTS: Labor Day weekend has contributed to steady to higher cream availability across all regions. Butter makers in the Northeast and West are utilizing these additional loads to increase their production schedules. Some plant managers in the Central region say churning and micro-fixing are nearly even. Western contacts report steady demand for butter from food service and retail customers. In the Northeast, retail butter demand is increasing, though demands for bulk butter and food service are steady. Stakeholders in the Central region say demand for butter is steady, but slightly below what is expected for this time of year. Central region contacts are, reportedly, bullish for the

near-term as they anticipated increased demand for butter in the late summer/early fall. Butter inventories are tight in all regions.

FLUID MILK: In the East region, farm-level milk production is flat to lower in most areas, as late seasonal hot temperatures linger. Florida's milk production has likely reached its lowest levels, as Class I bottling sales in the region interchange steady to higher. Central region farm milk yields are level week-to-week. Class I demand is on an upward trajectory in the Central milk market as well, with strong bottling sales weighing on Class III milk intakes. Farm milk output in the West is reportedly trending seasonally downward throughout, as California, Arizona, New Mexico, Pacific Northwest, and mountain states of Idaho, Utah, and Colorado, note declines in milk production reported by each state. Bottling plants continue to see strong Class I demand. Manufacturing supplies are tighter in Arizona and New Mexico, as processors look for surplus milk support from other nearby states. Spot purchasers of condensed skim are paying premiums to obtain loads. Cream supplies are moderate to light across the regions. Supplies are moving toward typical pre-holiday surplus levels, as some cream users plan shorter production schedules during the upcoming holiday period. Class II f.o.b. cream multiples range 1.50 to 1.60 in the East, 1.36 to 1.48 in the Midwest, and 1.30 to 1.44 in the West.

DRY PRODUCTS: Low/medium heat nonfat dry milk (NDM) markets extend steady to higher across the East and Central regions. Prices firmed in the range and mostly price series in the West, as international interest from Mexico trends upwards. Dry buttermilk prices range steady to lower in the Central, East, and West regions, on fairly light demand. Dry whole milk prices were unchanged. Trading is slow, with sluggish buyer interest beyond contract needs. The Central region's price for dry whey is unchanged on the mostly. Market activity slowed this week. Dry whey prices are higher across

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DAIRY MARKET NEWS PRICE SUMMARY FOR AUGUST 29 - SEPTEMBER 2, 2022 PRICES (\$/LB) & CHANGES FROM PREVIOUS PUBLISHED PRICES

Commodity	Ra	nge	Mo	ostly	Commodity		Ra	nge	Mo	ostly	Commodity		Ra	nge	Mo	stly
NDM					BUTTERMIL	K					LACTOSE					
Central Low/Med. Heat	1.5000	1.6200	1.5400	1.5800	Central/East		1.8600	1.9200			Central/West		0.3800	0.5700	0.4100	0.5000
Change	0.0200	N.C.	N.C.	N.C.		Change	N.C.	-0.0200				Change	N.C.	N.C.	N.C.	N.C.
Central High Heat	1.6700	1.7700			West		1.7175	1.9200	1.8000	1.8800	WPC 34%					
Change	-0.0200	N.C.				Change	-0.0175	N.C.	N.C.	-0.0100	Central/West		1.3500	2.0000	1.7400	1.8750
West Low/Med. Heat	1.4950	1.6875	1.5100	1.5850	WHEY							Change	N.C.	N.C.	0.0400	-0.0400
Change	0.0350	0.0375	0.0350	0.0200	Central		0.4000	0.5000	0.4450	0.4600	CASEIN					
West High Heat	1.6350	1.7900				Change	-0.0050	N.C.	N.C.	N.C.	Rennet		5.4500	5.7800		
Change	0.0200	0.0200			West		0.4100	0.5700	0.5100	0.5600		Change	N.C.	N.C.		
DRY WHOLE MILK						Change	0.0100	0.0225	0.0600	0.0300	Acid		6.7000	7.2000		
National	2.1400	2.5000			Northeast		0.4275	0.5700				Change	N.C.	N.C.		
Change	N.C.	N.C.				Change	0.0025	0.0100			ANIMAL FEI	ED WHEY	7			
											Central		0.3500	0.3900		
												Change	N.C.	N.C.		

DAIRY MARKET NEWS PRICE SUMMARY FOR AUGUST 22 - SEPTEMBER 2, 2022 PRICES (\$/MT) & CHANGES FROM PREVIOUS PUBLISHED PRICES

				TRICES (\$\pi\text{IIII}) & CIII	TIGES II	COM II	LETIOUSIUE	EISHED I KICES		
Commodity	Range			Commodity		Range		Commodity	Ra	inge
SMP			WHOLE MILI	WHOLE MILK POWDER			BUTTER			
W. Europe		3525	4050	W. Europe		4675	5250	W. Europe	6850	7750
	Change	-25	-50		Change	75	-150	Change	-100	-225
Oceania		3500	3600	Oceania		3350	3400	Oceania	5200	5300
	Change	N.C.	N.C.		Change	N.C.	-125	Change	N.C.	N.C.
S. America		3750	4500	S. America		4050	4800	BUTTEROIL		
	Change	N.C.	N.C.		Change	N.C.	N.C.	W. Europe	8750	9425
WHEY								Change	1000	-125
W. Europe		900	1375					CHEDDAR CHEESE		
	Change	N.C.	-75					Oceania	4925	5250
								Change	NC	50

DAIRY MARKET NEWS AT A GLANCE

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unchanged this week. Availability is mixed, with light activity. Acid percent). and rennet casein prices remained steady. Global supply limitations support a firm undertone.

INTERNATIONAL DAIRY MARKET NEWS: WESTERN EUROPE: European milk production continues to trend lower along declining seasonal patterns. While inventories for many dairy products Under the Federal milk order pricing system, the butterfat price for are in relatively good balance now, there is a lot of anxiety within the August 2022 is \$3.4001 per pound. Thus, the Class II butterfat price is industry. Market observers anticipate demand to be weak through the \$3.4071 per pound. The protein and other solids prices for August 2022 remainder of the year. But there is also the expectation that milk intakes are \$2.1417 and \$0.3146 per pound, respectively. These component will also remain weak, leaving the question on which factor will create prices set the Class III skim milk price at \$8.50 per cwt. The August the most impact on market direction. The value of July dairy product 2022 Class IV skim milk price is \$13.38, which is derived from the sales increased compared to previous months. However, market analysts nonfat solids price of \$1.4862 per pound. The product price averages for value of dairy product sales increased, July dairy product volumes \$1.9761, and dry whey \$0.5045. decreased, as consumers bought less product units.

EASTERN EUROPE: Milk production is seasonally trending lower in Eastern Europe. That said, some of the countries are ahead of last year's YTD milk production levels. An exception is war-torn Ukraine. Preliminary estimates from dairy officials within the country suggest that Ukrainian dairy has diminished by about 15 percent.

AUSTRALIA: Australian milk production forecast indicates flat to moderate growth for the new production season, as milk collections posted a decrease to begin the new season, 2.7 percent lower compared to July a year ago. Dairy production in Australia has fallen every month in the 2021-2022 milk production period. Sources suggest that with continued low production and supply shortfalls expected in Australia, the competition between processors has picked up.

NEW ZEALAND: Rain-soaked pastures have thus far accompanied New Zealand's new milk production season, supporting declines in the available dairy commodities. In the North Island, very wet conditions occurred throughout July. Milk collections in the area are 3.5 percent below last season. In the South Island, rainfall has been heavy. Milk collections for July were 9.7 percent higher than the previous year. And by all accounts, in July, New Zealand's milk production dropped a massive 5.5 percent, on volume basis, compared to the same period the previous year. As such, the New Zealand 2022-2023 milk production forecast at the moment has been downgraded from 0.4 percent to -2.2 percent compared to the last season.

SOUTH AMERICA: Reports suggest milk production in the region is facing continued downward pressure. Farmers say some operational costs remain an issue, but in one important area, they are easing. Feed/ grains have become more available, counteracting some of the recent and notable debilitating financial hurdles for producers. Reports from Argentina had been one of the few areas of the continent where milk output numbers were moving higher, year-over-year, but recent reports from the Southern Cone country are falling in line with those of Brazil and Uruguay in regards to output.

NATIONAL RETAIL REPORT: Total conventional dairy ad numbers increased by 23 percent and organic ads were up 1 percent. The most advertised dairy item was conventional ice cream in 48-64 pounce containers, and the weighted average advertised price for this was \$3.44. Total ads for conventional milk fell by 12 percent, and organic milk ads declined by 40 percent. The most advertised conventional milk item was gallon containers, despite appearing in 2 percent fewer ads than last week.

JULY 2022 AGRICULTURAL PRICES (NASS): The All Milk price received by farmers was \$25.70 in July, up \$7.90 from July 2021. Milk Cows price was \$1,710 in July, up 330.00 from July 2021. Alfalfa hay price was \$276.00 in July, up \$70.00 from July 2021. Corn price was \$7.25 in July, up \$1.13 from July 2021. Soybean price was \$15.50

in July, up \$1.40 from July 2021. The milk-feed price ratio was 1.79 in July, up 0.27 from July 2021. The index of prices received by farmers for dairy products during the month of July 2022 was unchanged at the range, in the East, on steady demand. Dry whey prices moved higher 133.8. Compared to July 2021, the index was up 45.2 points (51.0 across both the range and mostly price series in the West. Spot sales are percent). The index of prices paid by farmers for commodities and steady to international buyers. The whey protein concentrate 34% price services, interest, taxes, and wage rates in July 2022 was up 0.7 to range held steady. Spot movement is quiet. Lactose prices are 135.6. Compared with July 2021, the index was up 15.2 points (12.6

AUGUST CLASS AND COMPONENT PRICES (FMMO): The following are the August 2022 class prices under the Federal milk order pricing system and changes from the previous month: Class II: \$26.91 (\$+0.25), Class III: \$20.10 (\$-2.42), and Class IV: \$24.81 (\$-0.98). suggest most of the increase was the result of higher prices. While the August 2022 are: butter \$2.9792, nonfat dry milk \$1.6690, cheese

DAIRY MARKET NEWS,	AUGUST 29 -	SEPTEMBER 2	2, 2022 -2-				VOL	UME	89, REPORT 35
COMMODITY	MONDAY AUG 29	TUESDAY AUG 30	WEDNESDAY AUG 31	THURSDAY SEP 1	FRIDAY SEP 2	::	WEEKLY CHANGE	::	WEEKLY AVERAGE
CHEESE									
BARRELS	\$1.8600 (-0.0225)	\$1.8500 (-0.0100)	\$1.8500 (N.C.)	\$1.8500 (N.C.)	\$1.8575 (+0.0075)	::	(-0.0250)	:: ::	\$1.8535 (-0.0255)
40 POUND BLOCKS	\$1.7150 (-0.0250)	\$1.7500 (+0.0350)	\$1.7250 (-0.0250)	\$1.7350 (+0.0100)	\$1.7650 (+0.0300)	::	(+0.0250)	::	\$1.7380 (-0.0320)
NONFAT DRY MILK									
GRADE A	\$1.5700 (+0.0100)	\$1.5650 (-0.0050)	\$1.5500 (-0.0150)	\$1.5200 (-0.0300)	\$1.5200 (N.C.)	::	(-0.0400)	::	\$1.5450 (+0.0005)
BUTTER									
GRADE AA	\$3.0825 (N.C.)	\$3.0500 (-0.0325)	\$3.0550 (+0.0050)	\$3.0925 (+0.0375)	\$3.1000 (+0.0075)	::	(+0.0175)	::	\$3.0760 (+0.0375)
DRY WHEY									
EXTRA GRADE	\$0.4850 (+0.0150)	\$0.4800 (-0.0050)	\$0.4750 (-0.0050)	\$0.4700 (-0.0050)	\$0.4650 (-0.0050)	::	(-0.0050)	::	\$0.4750 (+0.0140)

Prices shown are in U.S. dollars per lb. in carlot quantities. Carlot unit weights: CHESE, 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 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

Eastern butter retailers are starting to increase their holiday butter requests. However, manufacturers report inventories are tight. According to the NASS Cold Storage report released last week, butter stocks are comparable to those of 2018 and well below the stock levels of the last two years. Many butter makers are getting some extra loads of cream this Labor Day weekend. While this may help them catch up with a few extra production runs of butter, it still does not fill the need completely. Through the last few weeks of the summer, cream multiples have been trending higher, and it has been more economical for cream handlers to sell the cream into Class II uses as opposed to moving the cream into the churn. While retail demand is picking up, industry contacts say bulk butter and food service demand are steady.

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

Bulk Basis Pricing - 80% Butterfat \$/LB: +0.0800 - +0.1500

WEST

Cream production is declining in the West, but availability is steady to higher this week. Contacts report some Class II production facilities are running shorter schedules during the upcoming Labor Day weekend. Some regional butter makers are utilizing these additional loads of cream, allowing them to increase their production schedules. Plant managers say they continue to run below capacity due to limited tanker availability and labor shortages. Butter inventories are tight. Demands for butter from food service and retail markets are steady. Demand for bulk butter is strong. Some stakeholders relay interest in loads of butter from purchasers in other regions. Bulk butter overages range from 4.0 to 18.0 cents above the CME market value in the West.

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

Bulk Basis Pricing - 80% Butterfat \$/LB: +0.0400 - +0.1800

CENTRAL

As Labor Day approaches, cream availability has held steady for butter churning in the region, but the amount of offers has not increased significantly. Some butter plant managers suggest churning and microfixing are somewhat even, on most days. At the plant level, employee hiring and retention have improved according to contacts. The challenge now, in regards to employment, is getting newer hires trained and ready for independent work. Butter demand is steady to slightly underperforming for this time of the year, but near-term expectations are more bullish than not. Demand tones from the industry are expected to pick up in the late summer/early fall, but the limited stocks of butter are and have been a concern for a number of months. Still, as domestic butter prices maintain a stronger position than those of Oceania, an unanswered question is how buyers, particularly industrial confectioners, plan to proceed in regards to their purchasing

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

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

+0.0600 - +0.1200

CHEESE MARKETS

NORTHEAST

Milk production is steady to lower in the Northeast. Cheesemakers say volumes remain available, allowing them to run busy production schedules. Some plant managers say they are running below capacity due to staffing shortages and supply chain delays. Spot purchasers say inventories of both cheese barrels and blocks are available. Retail demand for cheese is steady to lower. Contacts report some customers are combatting higher cheese prices by purchasing private label brands of cheese in lieu of name brands. Food service sales are steady. International demand for cheese is steady to higher as US produced loads are currently priced favorably to cheese produced in other countries.

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

Cheddar 40 pound Block	2.2300-2.5175
Muenster	2.2175-2.5675
Process American 5 pound Sliced	1.9750-2.4550
Swiss 10-14 pound Cuts	4.2900-6.6125

MIDWEST

Midwestern cheesemakers are, interestingly, relaying a tighter spot milk market this week than in previous weeks. At report time, reported spot milk prices range from Class to \$1 under Class, and processors say offers have noticeably quieted down. In a typical week, this would not necessarily be of circumstance, but ahead of a holiday weekend it does eschew the more common trend of increasing milk availability at discounted offer prices. Cheese sales are mixed, but some producers say business is picking up. Some pizza cheese and retail cheddar producers have reported that they are having to limit some customers' orders to ensure all other orders are being met. Market tones are uncertain, at best, as the block to barrel spread on the CME continues to grow, in favor of barrel prices.

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

Blue 5 pounds	2.2725-3.4825
Brick 5 pounds	2.0025-2.5700
Cheddar 40 pound Block	1.7250-2.2675
Monterey Jack 10 pounds	1.9775-2.3250
Mozzarella 5-6 pounds	1.8025-2.8900
Muenster 5 pounds	2.0025-2.5700
Process American 5 pound Loaf	1.8525-2.3200
Swiss 6-9 pound Cuts	3.8050-3.9075

WEST

Demand for cheese is mixed in the West. Some contacts note an uptick in food service sales, particularly for mozzarella cheese from pizza makers. This is contrasted by recent declines in food service demand as some restauranteurs are operating with reduced hours and menu offerings. Retail demand for cheese is unchanged. Export demand for cheese is strong, as contacts say competitive prices for domestically produced loads are keeping international purchasers interested. Spot prices for barrels have fallen on the CME by 2.5 cents since last Wednesday, while block prices have slid 3.5 cents lower. Contacts report loads of cheese are available for spot purchasing. Cheese production is steady in the region. Some plant managers say labor shortages and delayed deliveries of production supplies are preventing them from running closer to capacity.

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

Cheddar 10 pound Cuts	2.1050-2.3050
Cheddar 40 pound Block	1.8575-2.3475
Monterey Jack 10 pounds	2.0925-2.3675
Process American 5 pound Loaf	1.9775-2.1325
Swiss 6-9 pound Cuts	3.0975-4.5275

FOREIGN

Industry contacts note that retail European cheese demand is trending higher as the summer holidays end. The growth is largely due to interest of shoppers seeking store brands and discounted goods. Specialty cheese items are finding sales but often in smaller package sizes as consumers seek to take the sting out of market prices. Food service demand is stable for many cheese varieties. Order fulfillment for commercial uses and exports is proving tricky as buyers are sensitive to increased costs, and sellers are hesitant to let too much of their inventories go. Foreign type cheese stocks are tight already, and with weak European farm milk intakes, it may be difficult for manufacturers to stay ahead of cheese orders if demand picks up significantly. Cheese production is on par with current milk supplies.

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

	:	NEW YORK		
VARIETY	:	IMPORTED	:	DOMESTIC
	:		:	
Blue	:	2.6400-5.2300	:	2.0875-3.5750*
Gorgonzola	:	3.6900-5.7400	:	2.5950-3.3125*
Parmesan	:	-0-	:	3.4750-5.5650*
Romano	:	-0-	:	3.2775-5.4325*
Sardo Romano (Argentina)	:	2.8500-4.7800	:	-0-
Reggianito (Argentina)	:	3.2900-4.7800	:	-0-
Jarlsberg	:	2.9500-6.4500	:	-0-
Swiss	:	-0-	:	4.3250-4.6500
Swiss (Finland)	:	2.6700-2.9300	:	-0-

^{* =} Price change.

COLD STORAGE

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

	:	<u>BUTTER</u>		CHEESE
08/29/2022	:	52559	:	78168
08/01/2022	:	56430	:	79430
CHANGE	:	-3871	:	-1262
% CHANGE	:	-7	:	-2

Secondary Sourced Information:

This week, a cooperative export assistance program accepted requests for export assistance on contracts to sell 3.5 million pounds (1,566 metric tons) of American-type cheese and 520,000 pounds (236 metric tons) of cream cheese. So far this year, the program has assisted member cooperatives who have contracts to sell 66.8 million pounds of American-type cheeses and 7.1 million pounds of cream cheese in export markets.

FLUID MILK AND CREAM

EAST

In the Northeast, the milk market is seeing flat to slight drops in milk production as warm temperatures persist. Class I bottling orders are up again this week, as pulls from schools continue. Manufacturers are having a difficult time getting milk loads above their contracted levels, while surplus milk remains tight. Contacts report ongoing declines lead to lower milk production in the Mid-Atlantic. More milk is moving to bottling plants. As a result, manufacturing plant throughput lags as milk receipt levels drop. The area is under a risk for severe weather as strong to severe storms, heavy rain, damaging wind gusts and hail begin to move into the area. As such, some retail stores expect to see an uptick in consumer sales for bottled milk and other dairy food staples. Milk production is flat to lower in the Southeast this week. Reports of issues at a bottling facility have led to milk re-distribution activities. Southeast Class I sales are lower compared to last week. Class III milk sales are down overall, as little to no milk deliveries move to cheese manufacturing. For much of the week, extreme heat was focused across Florida's peninsula, continuing to impact cow comfort. Farm-level production is viewed as steady to flat, as contacts suggest production has reached its bottom in the state. Class I sales are steady. Import milk loads are being received from other areas as some loads move to ultrafiltration processing. East cream multiples regressed a bit, to the low 1.50s, compared to last week. Nonetheless, multiples are still high and could gain more strength post-Labor Day. Ahead of the fall baking season, market contacts are reporting heavy holiday cream needs may lead to shortages for some cream users. Condensed skim contracts are steady.

Northeastern U.S., F.O.B. Condensed Skim	
Price Range - Class II; \$/LB Solids:	1.76 - 1.82
Price Range - Class III: \$/LB Solids:	1.39 - 1.44

Northeastern U.S., F.O.B. Cream
Price Range - All Classes; \$/LB Butterfat: 4.1020 - 4.8616
Multiples Range - All Classes: 1.3500 - 1.6000
Price Range - Class II; \$/LB Butterfat: 4.5578 - 4.8616
Multiples Range - Class II: 1.5000 - 1.6000

MIDWEST

Generally, milk output reports suggest somewhat flat week-to-week movements. Individually, though, farmers relay that components are better than in previous years. Milk-per-cow numbers are reportedly mixed. Class I demand is still in a positive swing, as within a couple weeks, schools across the region (and country) will be running their normal ordering schedules. Milk in processing remains generally available, but processors are not running full capacity in recent weeks. Slighter milk yields and increased Class I fulfillments have started to weigh in on overall milk availability into Class II and III options. Cheesemakers, some of whom were expecting stronger preholiday spot milk discounts, reported getting fewer to, in some cases, no extra milk offers this week. There were still some discounted spot milk loads reported, but at prices not as discounted as they have been in previous weeks. Next week's milk availability into cheese production will likely provide a better indicator of early fall availability. Cream availability has trended closer to a typical preholiday week. Multiples on the top of the range slid noticeably from previous weeks, and butter producers continued to take on some lateweek cream loads in their fiscal comfort zone. Despite the price slips, cream availability expectations are uncertain moving past next week's shortened workweek. Midwestern contacts are hopeful some days in the 80s, with little to no rain forecasted, will benefit the growing corn crop during what has been a somewhat cool, if not too cool, summer, in the region.

Price Range - Class III Milk; \$/CWT; Spot Basis: -2.50 - 0.00 Trade Activity: Slow

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

Price Range - All Classes; \$/LB Butterfat:

Multiples Range - All Classes:

1.2800 - 1.4800

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

4.1324 - 4.4970

Multiples Range - Class II:

1.3600 - 1.4800

WEST

High temperatures in California are contributing to a decline in milk production. Despite this, contacts report total milk output in August was higher than in 2021. Processors say milk is available in the state. Some loads of milk are being sold to stakeholders in other states where supplies are tighter. Demand is steady, across all Classes. Milk production continues to decline, following seasonal trends, in Arizona. Contacts report high temperatures are having an impact on cow comfort. Milk volumes are tight in the state, and some processors say they are purchasing loads from nearby states to meet their current production needs. Strong Class I demand is present as educational pipelines are being filled. Demands for all other Classes are steady. In New Mexico, milk production is declining seasonally. Contacts report output is down compared to last year; some attribute this decline to higher feed costs and declining statewide herd populations. Milk volumes are tight, causing some processors to purchase loads from other parts of the region. Across all Classes, demand is unchanged. In the Pacific Northwest milk output is declining, as high temperatures remain prevalent in the area. Contacts report some processing plants in the state are closed for scheduled maintenance, increasing milk availability. Loads of milk are being sold to purchasers in other states, where supplies are tighter. Demand for Class II is steady to lower, as some production facilities are running lighter schedules during the upcoming Labor Day weekend. Meanwhile, demands for Class I and III are steady. Contacts in the mountain states of Idaho, Utah, and Colorado say high temperatures are having a negative impact on cow comfort and milk output. Some milk producers in the area say milk production is below previously forecasted levels. Despite this, milk is available for processing in the state. Staffing shortages at some processing facilities in the state are contributing to reduced production schedules. Some loads of milk are being sold at a discount to local purchasers. Demand is softening from Class II purchasers but is unchanged across all other Classes. Condensed skim sales are strong in the West. Contacts report contract purchasers continue to pull heavily on supplies. Spot purchasers of condensed skim are paying premiums to obtain loads that are in limited supply. Some cream purchasers in the region are running reduced production schedules during the upcoming holiday weekend. Due to this, cream availability is higher despite declining farm milk production. Cream multiples are steady at the bottom but slid lower at the top.

Western U.S., F.O.B. Cream
Price Range - All Classes; \$/LB Butterfat:

Multiples Range - All Classes:

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

3.3424 - 4.3754

1.1000 - 1.4400

3.9501 - 4.3754

Multiples Range - Class II:

1.3000 - 1.4400

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: Prices moved higher on the bottom of the range for low/medium heat nonfat dry milk (NDM), but all other prices held steady. Mexican demand is showing a little more promise in recent weeks, as markets have stabilized from the regular declines earlier in the summer. Production has steadied a little more, as employee retention at balancing plants has improved, despite still being far from ideal. High heat NDM prices moved lower on the bottom of the range, although high heat NDM availability is still slim, spot market demand has yet to move the price needle higher. NDM market tones are quiet and are expected to remain somewhat quiet in the shortened market trading week upcoming.

East: Eastern low/medium nonfat dry milk (NDM) prices were unchanged on the mostly and top of the range, but the bottom of the range ticked up. Following a relatively active trading week, regionally, spot market activity slowed to a lull during week 35. End users are not rushed, as current stocks are enough. That said, they are expected to come to the table in the next few weeks. Processing is moving in a steadier direction, as condensed skim availability remains accessible. High heat NDM prices moved lower on the range, but market activity is quiet, generally. NDM market tones are somewhat hushed.

Prices for: Eastern and Central U.S., All First Sales, F.O.B., Extra Grade & Grade A, Conventional, and Edible Nonfat Dry Milk

 Price Range - Low & Medium Heat; \$/LB:
 1.5000 - 1.6200

 Mostly Range - Low & Medium Heat; \$/LB:
 1.5400 - 1.5800

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: 1.6700 - 1.7700

NONFAT DRY MILK - WEST

In the West, prices for low/medium heat nonfat dry milk (NDM) have moved higher across both ends of the range and mostly price series. Domestic demand for low/medium heat NDM is holding steady. Meanwhile, international demand is trending higher in the region. Contacts report the recent rebound in prices for low/medium heat NDM has contributed to increased sales to purchasers in Mexico who are wary of further price increases. Loads of low/medium heat NDM are available for spot purchasing. Some drying operations in the region are running below capacity due to labor shortages and delayed deliveries of production supplies. Production of low/medium heat NDM is steady. Lighter regional milk production has enabled some plant managers to increase their production of high heat NDM. Despite this increase, strengthening demand for high heat NDM is keeping spot inventories tight. Prices received for high heat NDM were higher across 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:
 1.4950 - 1.6875

 Mostly Range - Low & Medium Heat; \$/LB:
 1.5100 - 1.5850

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: 1.6350 - 1.7900

DRY BUTTERMILK - CENTRAL AND EAST

Central: The top end of the Central/East dry buttermilk price range moved lower as the bottom of the range is unchanged. Market activity remains quiet. Dry buttermilk inventories are tight, and manufacturers are making only a few limited offers. Dry buttermilk production is focused primarily on filling contracted needs.

East: Prices for Central/Eastern dry buttermilk held steady at the bottom of the range but moved lower at the top. Demand is quiet, but so are offers coming from manufacturers. Some industry contacts think market activity may pick up in the next few months. Dry buttermilk production is sporadic and geared toward filling contracted needs.

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

Price Range; \$/LB: 1.8600 - 1.9200

DRY BUTTERMILK - WEST

Prices for dry buttermilk slid lower at the bottom end of the range and the top of the mostly price series, in the West, this week. Meanwhile the opposite ends of each of these were unchanged this week. Contacts report that demand for dry buttermilk is steady, but interest remains light in both domestic and international markets. Dry buttermilk spot inventories are tight, and production is limited. Stakeholders say ice cream makers are purchasing condensed buttermilk volumes, reducing availability for drying operations. Some plant managers say drying operations are operating below capacity due to labor shortages and delayed deliveries of production supplies.

Prices for: Western U.S., All First Sales, F.O.B., Conventional, and Edible Buttermilk Price Range; \$/LB: 1.7175 - 1.9200 Mostly Range -; \$/LB: 1.8000 - 1.8800

DRY WHOLE MILK - U.S.

Dry whole milk prices were unchanged after last week's increase on the bottom of the range. Trading was somewhat quiet on all dairy commodity powders. Milk availability, generally, is in the late summer doldrums and the processing focus is based primarily on contractual needs. As other commodity powders have, at least temporarily, started to steady, dry whole milk market tones are on firm ground near-term.

Prices for: U.S., All First Sales, F.O.B., Conventional, and Edible Dry Whole Milk Price Range - 26% Butterfat; \$/LB: 2.1400 - 2.5000

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

Dry whey prices are unchanged on the mostly, as prices slid half a cent on the bottom of the range. Market activity was slower than last week. Edible grade loads are moving into feed channels in the low \$.40s, but producers say edible whey end users are willing to pay mid- to upper-\$.40s. Production has been moving up steadily, as fewer Class III processors say they are adding downtime to their weekly schedules. Milk availability took an interesting turn for a pre-holiday week. Reported spot milk prices are in a similarly discounted range to previous weeks, but cheesemakers say they were expecting more offers than they received with the upcoming long weekend. Animal feed whey prices are unchanged, as buyers are holding out and exploring alternatives. Overall, dry whey market tones are quietly apprehensive despite a steadier tone in the past few weeks.

Prices for: Central U.S., All First Sales, F.O.B., Conventional, and Non-Edible Dry Whey

Price Range - Animal Feed; \$/LB: .3500 - .3900

Prices for: Central U.S., All First Sales, F.O.B., Extra Grade & Grade A, Conventional, and Edible Dry Whey

Price Range - Non-Hygroscopic; \$/LB: .4000 - .5000
Mostly Range - Non-Hygroscopic; \$/LB: .4450 - .4600

DRY WHEY- NORTHEAST

Prices for dry whey moved higher across the range in the East this week. On the CME, prices for dry whey have moved higher by 1.5 cents since last Wednesday. Demand for dry whey is steady from purchasers in both domestic and international markets. Overall spot inventories of dry whey are available. Spot purchasers say specific brands in higher demand are more difficult to obtain. Cheesemakers are running busy production schedules and liquid whey is available for dry whey production. Dry whey production is steady, though labor and supply chain shortages continue to prevent some drying operations from operating at or near capacity.

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: .4275 - .5700

DRY WHEY- WEST

Prices for dry whey moved higher across both the range and mostly price series, in the West, this week. Contacts report sustained interest from domestic purchasers of dry whey. Spot sales of dry whey to international markets are steady. Contacts report exports to Asian markets are down compared to this time last year. Cheese makers are running busy production schedules, resulting in steady volumes of liquid whey for drying operations. Dry whey production is unchanged but is limited as some drying operation schedules are focused on the production of higher whey protein concentrates and permeate. Furthermore, labor shortages and delayed deliveries of production supplies are preventing some plant managers from running full schedules.

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: .410

Price Range - Non-Hygroscopic; \$/LB: .4100 - .5700 Mostly Range - Non-Hygroscopic; \$/LB: .5100 - .5600

WHEY PROTEIN CONCENTRATE

While the whey protein concentrate 34% price range held steady, the mostly price series narrowed. Spot market activity is quiet. Availability is mixed. A few brands have some supplies, but others, especially those used within infant formula or sports nutrition applications, are committed. Spots for this type of WPC 34% are sporadic, but manufacturers report getting regular inquiries from buyers. WPC 34% production is steady to lower. However, the overall whey protein complex is waiting to see how supply and demand develop over the next few months. Price pressures for higher whey protein concentrations may prompt a few manufacturers to divert more whey solids into WPC 34% or dry whey.

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:
 1.3500 - 2.0000

 Mostly Range - 34% Protein; \$/LB:
 1.7400 - 1.8750

LACTOSE

Amid quiet spot market activity, lactose prices are unchanged. Lactose production is steady, and cooler temperatures in parts of the U.S. are making production cycles run more smoothly. Some manufacturers report their inventories are committed for the near term. Supplies of lactose used in infant formula production and 200 mesh lactose are especially tight. In addition, as one of the largest producers of infant formula in the United States restarts a factory that has been shut down for much of the summer, there could be a greater draw on lactose supplies. The market tone for lactose is stable.

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: .3800 - .5700

Mostly Range - Non Pharmaceutical; \$/LB: .4100 - .5000

CASEIN

Acid and rennet casein prices remained steady this week. Trading is quiet due to global supply limits. Going forward, the timbre of casein market tones is clearly bullish. Milk output declines this year are unexpected to change in the major casein processing areas. European and South American milk output, in particular, have been and are expected to remain at limits for various reasons. All said, casein markets are expected to maintain their firmness.

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: 6.7000-7.2000 Rennet; Price Range - \$/LB: 5.4500-5.7800

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

	2022 WEEKLY	2022	2021 WEEKLY	2021
WEEK ENDING	DAIRY COWS	CUMULATIVE DAIRY COWS	DAIRY COWS	CUMULATIVE DAIRY COWS
08/20/2022	59.1	1,979.3	59.0	2,037.0

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

FEDERAL MILK ORDER CLASS III MILK PRICES (3.5% Butterfat)												
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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
2019	13.96	13.89	15.04	15.96	16.38	16.27	17.55	17.60	18.31	18.72	20.45	19.37
2020	17.05	17.00	16.25	13.07	12.14	21.04	24.54	19.77	16.43	21.61	23.34	15.72
2021	16.04	15.75	16.15	17.67	18.96	17.21	16.49	15.95	16.53	17.83	18.03	18.36
FEDERAL MILK ORDER CLASS IV MILK PRICES (3.5% Butterfat)												
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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
2019	15.48	15.86	15.71	15.72	16.29	16.83	16.90	16.74	16.35	16.39	16.60	16.70
2020	16.65	16.20	14.87	11.40	10.67	12.90	13.76	12.53	12.75	13.47	13.30	13.36
2021	13.75	13.19	14.18	15.42	16.16	16.35	16.00	15.92	16.36	17.04	18.79	19.88
			F	EDERAL MI	LK ORDER	CLASS PRIC	CES FOR 20	22 (3.5% Bu	tterfat)			
CLASS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
I (BASE)	19.71	21.64	22.88	24.38	25.45	25.87	25.87	25.13	23.62			
II	22.83	23.79	24.76	25.71	25.87	26.65	26.66	26.91				
III	20.38	20.91	22.45	24.42	25.21	24.33	22.52	20.10				
IV	23.09	24.00	24.82	25.31	24.99	25.83	25.79	24.81				

Further information may be found at: https://www.ams.usda.gov/rules-regulations/mmr/dmr

NATIONAL DAIRY PRODUCTS SALES REPORT

U.S. AVERAGES AND TOTAL POUNDS

WEEK ENDING	BUTTER	CHEESE 40# BLOCKS (CHEESE BARRELS 38% MOISTURE	DRY WHEY	NDM
08/27/2022	2.9724	1.8880	1.9478	.4896	1.5862
	3,807,506	10,480,174	12,164,933	4,061,340	27,599,662

 $\textbf{Further data and revisions may be found on the internet at: } \ \text{http://www.ams.usda.gov/rules-regulations/mmr/dmr}$

CME GROUP, INC FUTURES

Selected settling prices

CLASS III MILK FUTURES (Pit-Traded) (\$/cwt)

DATE	08/26	08/29	08/30	08/31	09/01
AUG 22	20.13	20.13	20.12	20.10	
SEP 22	20.24	19.89	19.79	19.63	19.59
OCT 22	20.76	20.41	20.10	19.89	19.52

CLASS IV MILK FUTURES (Pit-Traded) (\$/cwt)

DATE	08/26	08/29	08/30	08/31	09/01
AUG 22	24.81	24.81	24.86	24.81	
SEP 22	24.10	24.25	24.15	24.02	24.02
OCT 22	24.20	24.00	23.60	23.25	23.30

CASH SETTLED BUTTER FUTURES (Electronic-Traded) (¢/lb)

DATE	08/26	08/29	08/30	08/31	09/01
AUG 22	299.50	299.00	299.00	297.92	
SEP 22	306.03	305.25	304.00	303.20	303.00
OCT 22	302.50	300.00	295.00	293.00	294.00

NONFAT DRY MILK FUTURES (Pit-Traded) (¢/lb)

DATE	08/26	08/29	08/30	08/31	09/01
AUG 22	168.30	168.00	168.00	166.90	
SEP 22	157.95	157.55	155.78	155.25	155.25
OCT 22	158.00	156.78	153.75	152.85	152.90

WHEY (Electronic-Traded) (¢/lb)

DATE	08/26	08/29	08/30	08/31	09/01
AUG 22	50.03	50.03	50.03	50.45	
SEP 22	50.00	51.60	52.00	50.00	50.00
OCT 22	50.10	51.40	51.40	51.00	49.28

BLOCK CHEESE CSC (Electronic-Traded) (\$/lb)

DATE	08/26	08/29	08/30	08/31	09/01
AUG 22	1.94	1.94	1.94		
SEP 22	1.97	1.91	1.91	1.86	1.85
OCT 22	2.05	2.00	2.00	1.95	1.91

Further information may be found at: http://www.cmegroup.com/market-data/daily-bulletin.html

INTERNATIONAL DAIRY MARKET NEWS - EUROPE

Information gathered August 22 - September 2, 2022

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

European milk production continues to trend lower along declining seasonal patterns. Industry sources report milk production is down year over year, and milk components are still low from the summertime heat. While inventories for many dairy products are in relatively good balance now, there is a lot of anxiety within the industry. Market observers anticipate demand to be weak through the remainder of the year. But there is also the expectation that milk intakes will also remain weak, leaving the question on which factor will create the most impact on market direction.

The value of July dairy product sales increased compared to previous months. However, market analysts suggest most of the increase was the result of higher prices. While the value of dairy product sales increased, July dairy product volumes decreased, as consumers bought less product units. In the retail sector, industry sources report store brands and discount product lines have grown in sales in place of some branded dairy products. Consumers are trying to extend their purchasing power that has been eroded by erratic post-COVID supply chains and increasing energy prices. In parts of Europe, natural gas prices and electricity prices have increased by 3 to 5 times what they were at the beginning of the year. In response, some countries are capping energy rates consumers will pay.

The energy crisis within Europe is a growing concern. On Monday, Russia announced it was halting gas supplies flowing through a major gas pipeline for a second round of maintenance. This pipeline was shut down earlier in the summer for maintenance work. European officials are concerned that the gas stoppage could increase the risk of recession and energy rationing within the European continent.

EASTERN EUROPE

Milk production is seasonally trending lower in Eastern Europe. That said, some of the countries are ahead of last year's YTD milk production levels. An exception is war-torn Ukraine. Preliminary estimates from dairy officials within the country suggest that Ukrainian dairy has diminished by about 15 percent. Fewer cows, loss of farmland, migration and economic solvency issues are all factors in the reduced milk and dairy production estimates.

The Ukrainian infrastructure ministry estimates that at least 1.5 million tons of food on 61 ships have sailed from Black Sea ports by the end of August. The shipments are a result of a deal brokered by Turkey and the United Nations to reopen the ports on July 22.

BUTTER/BUTTEROIL

The price range for European butter oil contracted as prices for European butter moved lower. That said, within the two-week period, butter prices seemed to dip and then recover. Industry contacts suggest demand for both packaged and bulk butter has picked up as more Europeans return from summer holidays. In addition, the fall/winter baking season is nearing, and buyers are eager to assure coverage. Inquiries are steady, but there is a disconnect between the price expectations of the buyers and sellers for longer term deals. Inventories are snug. With firm cream prices, tight milk supplies and higher costs for energy and labor, butter makers are uncertain how the supply side of the butter equation will unfold.

Western Europe, 82% Butterfat, Free on Board - Port Butter Price Range - \$/MT: 6,850 - 7,750

Western Europe, 99% Butterfat, Free on Board - Port Butteroil Price Range - \$/MT: 8,750 - 9,425

SKIM MILK POWDER

European skim milk powder (SMP) prices moved slightly lower at both ends of the price range. With market participants returning from their summer holidays, industry contacts report a lift in near term demand for European SMP. Although supplies are tight, manufacturers are generally able to meet the current requests. However, given the significant amount of uncertainty that fills the SMP market, deals for longer term business are challenging. Current production is steady to lower, and with weak milk intakes and high energy costs, manufacturers expect tight supplies and higher prices. But buyers are hesitant to commit to longer term deals without clear signals of stronger SMP demand.

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

Price Range - 1.25% Butterfat; \$/MT: 3,525 - 4,050

WHEY

European dry whey prices are steady to lower, moving lower at the top of the range and holding steady at the bottom of the range. Industry sources suggest that demand for whey used in food applications is quiet, while demand for whey used in feed applications is steady to higher. Dry whey supplies are snug but adequate to meet most buyer needs. Seasonal declines of farm milk intakes and higher costs for gas for the driers have limited the production of dry whey somewhat.

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

Price Range - Non-Hygroscopic; \$/MT: 900 - 1,375

INTERNATIONAL DAIRY MARKET NEWS - EUROPE

Information gathered August 22 - September 2, 2022

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WHOLE MILK POWDER

The price range for European whole milk powder (WMP) narrowed, with the bottom of the range moving higher and the top of the range moving lower. Industry sources note that WMP demand is largely quiet, but with some upticks in inquiries as market participants return from summer holidays. Production is steady, geared to filling current contracts. WMP inventories are snug but adequate to fill current needs. While WMP stocks are currently in balance with market needs, industry contacts note that market uncertainty is prevalent

Prices for: Europe, All First Sales, Free on Board - Port, Conventional, and Edible Whole Milk Powder
Price Range - 26% Butterfat; \$/MT: 4,675 - 5,250

INTERNATIONAL DAIRY MARKET NEWS - OCEANIA

Information gathered August 22 - September 2, 2022

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: Australian milk production forecast indicates flat to moderate growth for the new production season, as milk collections posted a decrease to begin the new season, 2.7 percent lower compared to July a year ago. Dairy production in Australia has fallen every month in the 2021-2022 milk production period. Alas, the export market is also being pressured as it reiterates dairy commodity production declines due to the limited milk production. Sources suggest that with continued low production and supply shortfalls expected in Australia, the competition between processors has picked up. Meanwhile, the dependence on Australia's domestic market impacts consumers directly, as they wrestle with rising costs as prices on products such as cream, butter, and yogurts surge higher. Near the start of the milk production season, farmers saw the best ever milk prices ever being offered. However, as dairy commodities transfer to the global market, some see those prices as a huge risk to processors as commodity prices stumble.

NEW ZEALAND: Rain-soaked pastures have thus far accompanied New Zealand's new milk production season, supporting declines in the available dairy commodities. In the North Island, very wet conditions occurred throughout July. Contacts report that damage to pastures will need to be corrected over the spring. Milk collections in the area are 3.5 percent below last season. In the South Island, rainfall has been heavy. Farmers are seeing some reprieve as flood waters retreat. Milk collections for July were 9.7 percent higher than the previous year. And by all accounts, in July, New Zealand's milk production dropped a massive 5.5 percent, on volume basis, compared to the same period the previous year. As such, the New Zealand 2022-2023 milk production forecast at the moment has been downgraded from 0.4 percent to -2.2 percent compared to the last season. However, dairy exports, in total, for July 2022 have grown 6 percent year-over-year.

BUTTER/BUTTEROIL

Oceania butter prices are steady this week. The market notes New Zealand butter carries a discount based on U.S. and European butter prices. As such, there has been steady trading of butter throughout the month, with transfers primarily to Asia. Active interest is expected to be good for contract periods September through October, with upward movement in prices. Butter exports reported a 31 percent increase. Butter plants are running moderate to light production schedules. The market undertone for Oceania butter is fairly steady to lower.

Oceania, 82% Butterfat, Free on Board - Port Butter Price Range - \$/MT: 5,200 - 5,300 SKIM MILK POWDER

Oceania skim milk powder pricing is steady on both ends of the range. Finalized trades on the GDT auction site were 29 percent fewer than the previous auction. However, for the month of July, export markets are seeing a 29 percent increase year-over-year, as Asia and China increased their imports 32 percent and 61 percent year-over-year, respectively. Open interest in the September contract is steady, as overall interest revives. SMP output in the region is still constrained by milk supplies. Production in New Zealand is relatively normal for this time of year. Australia is striving to maintain SMP production in the face of shorter milk supplies as well.

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

Price Range - 1.25% Butterfat; \$/MT: 3,500 - 3,600

CHEESE

Oceania cheddar cheese prices edged slightly higher at the top of the range, but steady at the bottom. Oceania cheese production is limited around seasonal milk output. Demand is fairly light at existing price points. New Zealand cheese exports volumes show a decline, while Australia has produced record cheese exports in recent months. Expectations are that New Zealand cheese output will adjust with improvements in milk production as the new milk season progresses. Available supplies are moving through contracts. Market undertones are mostly steady.

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

Price Range - \$/MT: 4,925 - 5,250

WHOLE MILK POWDER

Prices for whole milk powder in Oceania are steady to lower. But, sources suggest the current market undertone point to WMP prices recovering from the impact of GDT event 13. The market is expecting prices to increase at upcoming events, as contracts rise beyond the previous GDT Auction results for all contracts. Open interest is high. WMP July exports increased, primarily to North Africa and Asia, with rises of 123 percent and 3 percent, respectively, year-over-year. China has recaptured a few volumes as well. Production is steady, along the lines of seasonal milk output levels.

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

Price Range - 26% Butterfat; \$/MT:

3,350 - 3,400

Exchange rates for selected foreign currencies: August 29, 2022

.0072 Argentina Peso.0125 India Rupee.6904 Australian Dollar.0072 Japan yen.1988 Brazil Real.0499 Mexican Peso.7686 Canadian Dollar.6155 New Zealand Dollar.0011 Chile Peso.2111 Poland Zloty.9997 Euro.0247 Uruguay Peso

Conversion example: To compare the value of 1 US Dollar to Mexican Pesos: (1/.0499) = 20.0401 Mexican Pesos. Source: "Wall Street Journal"

INTERNATIONAL DAIRY MARKET NEWS - SOUTH AMERICA

Information gathered August 22 - September 2, 2022

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

SOUTH AMERICA OVERVIEW

Reports suggest milk production in the region is facing continued downward pressure. Farmers say some operational costs remain an issue, but in one important area, they are easing. Feed/grains have become more available, counteracting some of the recent and notable debilitating financial hurdles for producers. Reports from Argentina had been one of the few areas of the continent where milk output numbers were moving higher, year-over-year, but recent reports from the Southern Cone country are falling in line with those of Brazil and Uruguay in regards to output.

As most corn has reached the silo in the region, questions arise as to what Brazilian and Argentinian crop farmers plan to plant this spring in the corn versus soybeans discussion. Chinese interests in beans continue to push some in the soybean direction, whereas corn is more expensive to plant, yet would have more domestic end usage potential for dairy farmers. Brazilian output expectations are even stronger than the current year's records, and expectations are for another year of record crop yields.

SKIM MILK POWDER

Dairy powder markets in the region continue to find some balance, as this week's skim milk powder (SMP) prices held steady again. Despite global value declines on dairy powders, SMP exports have moved notably higher in Uruguay and are continuing to move up from previous year's levels in Argentina. Northern African and Middle Eastern importers are offsetting some of the losses of SMP loads that would likely have gone into Eastern Europe/Russia. Processing remains a concern, as milk production continues to lag, and production and labor costs/obstacles remain at the top of priority lists for market actors.

Prices for: South America, All First Sales, Free on Board - Port, Conventional, and Edible Skim Milk Powder
Price Range - 1.25% Butterfat; \$/MT: 3,750 - 4,500

WHOLE MILK POWDER

Whole milk powder (WMP) prices remained steady this report week, as export demand and limited availability of condensed whole milk (due to generally lower overall milk output) have kept South American powder values shielded from some of the price declines in other global trading arenas. A boost of Brazilian buying in the South American winter has aided Southern Cone exporters. Still, WMP availability is not noted as tight. Generally, availability and market tones, alike, are viewed as balanced for the near-term.

Prices for: South America, All First Sales, Free on Board - Port, Conventional, and Edible Whole Milk Powder
Price Range - 26% Butterfat; \$/MT: 4,050 - 4,800

MAY : JUN : JUL : AUG	27514 2 9546 2 9506 3 0072	0000:1	2.3567 2.2077 2.0581 1.8741	2.3293 2.1902 2.0143 1.8104		1.7708 1.8286 1.6984 1.5401		0.5373 0.5138 0.4694 0.4504				2.5778 2.4450 2.3286 2.0944	2.8561 2.7324 2.5806 2.3640	2.5661 2.4424 2.2906 2.0740	2.7211 2.5974 2.4456 2.2290	3.4474 3.3236 3.1719 2.9552	2.9161 2.7924 2.6406 2.4240	3.3595 3.5249 3.7588 3.8367		2.9436 2.8199 2.6681 2.4515	2.7065 2.5738 2.4574 2.2232	2.9624 2.8386 2.6869 2.4702	4.9470 5.1124 5.3500 5.4317		2.5465 2.4138 2.2974 2.0632	2.6724 2.5486 2.3969 2.1802	2.7749 2.6511 2.4994 2.2827	2.7999 2.6761 2.5244 2.3077	3.3082 3.4736 3.7113 3.7929			3.6609 4.0169 4.1793 4.6154	3.5461 3.8831 3.9970 4.4241		18950 18950 18639
: APR :	2 7169		2.3489	2.3399		1.7956		0.6174				2.5232	2.8115	2.5215	2.6765	3.4027	2.8715	3.3030		2.8990	2.6519	2.9177	4.8905		2.5062	2.6277	2.7302	2.7552	3.2518			3.7119	3.5462		1.8607
: FEB : MAR	3 26196 27346	0.1	4 1.9038 2.0774	1.9379		0 1.8571 1.8549		5 0.8218 0.7420				3 2.1136 2.2530	4 2.4636 2.6560	4 2.1736 2.3660	4 2.3286 2.5210	6 3.0548 3.2472	4 2.5236 2.7160	5 3.0465 3.0822		6 2.4798 2.7156	3 2.1886 2.3608	4 2.4986 2.7343	0 4.6340 4.6697		3 2.0786 2.2508	4 2.2086 2.4443	2.3111	9 2.3361 2.5718	3 3.4953 3.1179			8 3.2912 3.6138	0 3.3252 3.5377		5 1.6992 1.7750
2022 U.S. MONTHLY PRICE AVERAGES (US \$/LB) AREA and PRODUCT	CME GROUP 1 BUTTER - DAILY TRADING GRADE AA	UNIC VARIA	BARRELS 1.8204	40 POUND BLOCKS 1.9065	NONFAT DRY MILK - DAILY TRADING	GRADE A 1.7640	DRY WHEY - DAILY TRADING	EXTRA GRADE 0.7855	DAIRY MARKET NEWS 2	CHEESE	WISCONSIN	PROCESS AMERICAN 5 POUND LOAF 2.0743	BRICK AND/OR MUENSTER 5 POUNDS 2.5224	CHEDDAR 40 POUND BLOCK 2.2324	MONTEREY JACK 10 POUNDS 2.3874	BLUE 5 POUNDS 3.1136	MOZZARELLA 5-6 POUNDS 2.5824	SWISS 6-9 POUND CUTS 2.9925	NORTHEAST	CHEDDAR 40 POUND BLOCK 2.5386	PROCESS AMERICAN 5 POUND SLICED 2.1493	MUENSTER 2.5574	SWISS 10-14 POUND CUTS 4.5800	WEST	PROCESS AMERICAN 5 POUND LOAF 2.0393	CHEDDAR 40 POUND BLOCK 2.2674	CHEDDAR 10 POUND CUTS 2.3699	MONTEREY JACK 10 POUNDS 2.3949	SWISS 6-9 POUND CUTS 3.4413	FLUID PRODUCTS	CLASS II CREAM	NORTHEASTERN - F.O.B.	MIDWESTERN - F.O.B. 3.5290	CONDENSED SKIM - NORTHEASTERN - F.O.B.	CLASS II 1.6095

¹ Monthly averages are a simple average of all the closes during the month.

2 Monthly averages are based on weekly prices and are time-weighted according to the number of workdays in the month - Saturdays, Sundays and National Holidays excluded.

² Monthly averages are based on weekly prices and are time-weighted according to the number of workdays in the month - Saturdays, Sundays and National Holidays excluded.

2022 INTERNATIONAL MONTHLY PRICE AVERAGES (US \$/MT)

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AREA and PRODUCT	NAL :	. FEB	: MAR	: APR	: MAY	NOr	: JUL	: AUG	
DAIRY MARKET NEWS 3									
BUTTER (82% BUTTERFAT)									
OCEANIA	2909	6578	6949	6850	6176	6049	5633	5277	
WESTERN EUROPE	6742	6928	7186	7761	7628	7883	7458	7387	
BUTTEROIL (99% BUTTERFAT)									
WESTERN EUROPE	7465	9992	7716	8407	8674	8788	8663	8805	
CHEDDAR CHEESE (39% MAXIMUM MOISTURE)									
OCEANIA	5580	5814	6171	6276	5919	5323	5154	5071	
SKIM MILK POWDER (1.25% BUTTERFAT)									
OCEANIA	3930	4260	4568	4534	4168	4260	3926	3566	
SOUTH AMERICA	3367	3992	4046	4099	4105	4182	4146	4125	
WESTERN EUROPE	3951	4178	4410	4586	4352	4318	4027	3836	
WHEY POWDER (NONHYGROSCOPIC)									
WESTERN EUROPE	1409	1544	1622	1674	1542	1444	1199	1162	
WHOLE MILK POWDER (26% BUTTERFAT)									
OCEANIA	4052	4451	. 4633	4310	3859	4063	3841	3454	
SOUTH AMERICA	3664	3868	4503	4613	4555	4600	4529	4441	
WESTERN EUROPE	4950	5313	5551	5780	5636	5590	5195	4990	

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

July Agricultural Prices Highlights

The All Milk price received by farmers was \$25.70 in July, up \$7.90 from July 2021. Milk Cows price was \$1,710 in July, up 330.00 from July 2021. Alfalfa hay price was \$276.00 in July, up \$70.00 from July 2021. Corn price was \$7.25 in July, up \$1.13 from July 2021. Soybean price was \$15.50 in July, up \$1.40 from July 2021. The milk-feed price ratio was 1.79 in July, up 0.27 from July 2021.

The index of prices received by farmers for dairy products during the month of July 2022 was unchanged at 133.8. Compared to July 2021, the index was up 45.2 points (51.0 percent). The index of prices paid by farmers for commodities and services, interest, taxes, and wage rates in July 2022 was up 0.7 to 135.6. Compared with July 2021, the index was up 15.2 points (12.6 percent).

		Selected Mi	lk Prices, Milk	Cows, and Fee	d Prices, Selecte	d States and U.S	5., July 2022 wi	th Compariso	ns	
	All-Milk	c price 1,2	Milk	cows 3	Alfalfa h	ay, baled	Corn fo	or Grain	Soyl	peans
State	Jι	ıly	Jι	ıly	Jι	ıly	Jι	ıly	Jı	ıly
	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022
	(dollars	per cwt)	(dollars)	per head)	(dollars	per ton)	(dollars p	er bushel)	(dollars per bi	ıshel)
AZ	17.60	26.20	1,550	1,900	200.00	330.00				
CA	17.50	26.60	1,350	1,750	230.00	340.00				
CO	18.10	25.60	1,450	1,700	225.00	225.00	6.55	8.11		
GA	20.70	29.70	1,250	1,500						
ID	17.30	25.40	1,350	1,550	190.00	280.00				
IN	17.90	25.60	1,310	1,800			6.22	7.14	14.30	16.00
IA	17.80	23.60	1,310	1,750	169.00	160.00	6.22	7.44	14.40	15.50
MI	17.00	25.30	1,450	1,750	185.00	180.00	6.05	6.50	15.30	16.80
MN	17.70	23.80	1,310	1,650	199.00	175.00	5.69	6.95	13.90	15.10
NM	15.70	23.70	1,550	1,450	240.00	295.00				
NY	18.10	26.70	1,330	1,700	200.00	245.00				
ОН	18.30	25.60	1,340	1,680	195.00	175.00	6.27	6.64	14.10	15.90
PA	18.50	26.80	1,300	1,750	225.00	250.00	6.57	7.60		
TX	17.50	26.00	1,300	1,650	212.00	241.00	6.46	7.38		
WA	17.90	27.20	1,350	1,550	210.00	330.00				
WI	17.90	24.30	1,480	1,870	172.00	144.00	6.04	6.75	14.20	15.20
U.S.	17.80	25.70	1,380	1,710	206.00	276.00	6.12	7.25	14.10	15.50

¹ Prices are shown at reported butterfat test. ²Before deductions for hauling. Includes quality, quantity, and other premiums. Excludes hauling subsidies.

⁽S) Insufficient number of reports to establish an estimate.

		s and U.S., July 2022 with Comparisons	
	Milk-feed: pounds of 16% mixed dairy fe	ed equal in value to 1 pound of whole milk 1	
State ²	Jul 2021	Jun 2022	Jul 2022
IA	1.62	2.17	2.11
MI	1.48	2.10	2.07
MN	1.53	2.11	2.10
OH	1.58	2.09	2.25
WI	1.64	2.42	2.44
U.S.	1.52	1.93	1.79

¹ The price of commercial prepared dairy feed is based on current United States prices received for corn, soybeans, and alfalfa. The modeled feed uses 51 percent corn, 8 percent soybeans, and 41 percent alfalfa hay. ² Available states that provided all necessary data to compute milk feed price ratios.

General Price Measures, U.S., July 2022 with Compari	sons		
Item	Jul	Jun	Jul
item	2021	2022	2022
Index Numbers (1990-92=100):			_
Prices received by farmers for dairy production	88.6	133.8	133.8
Prices paid by farmers for commodities and services, interest taxes, and wage rates	120.4	134.9	135.6

Source: U.S. Department of Agriculture. National Agricultural Statistics Service. Agricultural Statistics Board. Agricultural Prices, August 2022.

³ Animals sold for dairy herd replacement only. Quarterly United States milk cow prices are based on revised milk cow inventory.

⁽D) Withheld to avoid disclosing data for individual operations.

Final Class Prices by Order, August 2022

August 2022 Highlights

Class Prices: The following are the August 2022 class prices under the Federal milk order pricing system and changes from the previous month: Class II: \$26.91 (\$+0.25), Class III: \$20.10 (\$-2.42), and Class IV: \$24.81 (\$-0.98).

Component Price Information: Under the Federal milk order pricing system, the butterfat price for August 2022 is \$3.4001 per pound. Thus, the Class II butterfat price is \$3.4071 per pound. The protein and other solids prices for August 2022 are \$2.1417 and \$0.3146 per pound, respectively. These component prices set the Class III skim milk price at \$8.50 per cwt. The August 2022 Class IV skim milk price is \$13.38, which is derived from the nonfat solids price of \$1.4862 per pound.

Product Price Averages: The product price averages for August 2022 are: butter \$2.9792, nonfat dry milk \$1.6690, cheese \$1.9761, and dry whey \$0.5045.

Final Class Prices by Order for August 2022

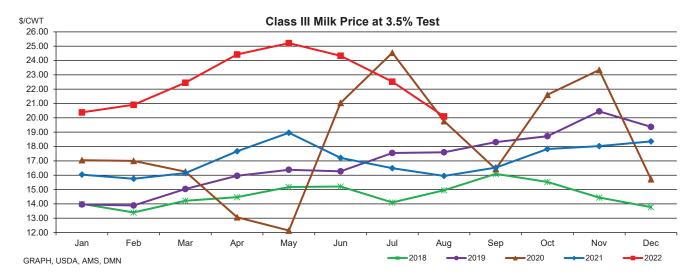
Federal Milk Or	der Minimu	m Class Pric	es for Milk o	f 3.5 Percent	Butterfat 1	, 2
			Aug 20	022		Sep 2022
Federal Milk Order Marketing Area ³	Order Number	Class I	Class II	Class III	Class IV	Class I
			(de	ollars per cwt)		
Northeast (Boston)	001	28.38	26.91	20.10	24.81	26.87
Appalachian (Charlotte)	005	28.53	26.91	24.81	27.02	
Florida (Tampa)	006	30.53	26.91	24.81	29.02	
Southeast (Atlanta)	007	28.93	26.91	20.10	24.81	27.42
Upper Midwest (Chicago)	030	26.93	26.91	20.10	24.81	25.42
Central (Kansas City)	032	27.13	26.91	20.10	24.81	25.62
Mideast (Cleveland)	033	27.13	26.91	20.10	24.81	25.62
California (Los Angeles)	051	27.23	26.91	20.10	24.81	25.72
Pacific Northwest (Seattle)	124	27.03	26.91	20.10	24.81	25.52
Southwest (Dallas)	126	28.13	26.91	20.10	24.81	26.62
Arizona (Phoenix)	131	27.48	26.91	20.10	24.81	25.97
All-Market Average		27.95	26.91	20.10	24.81	26.44

To convert the Class I price per 100 pounds to the Class I price per gallon, divide by 11.63 - the approximate number of gallons in 100 pounds of milk. The mandatory \$0.20 per cwt processor assessment under the Fluid Milk Promotion Order is not included in the Class I prices shown on this table. Names in parentheses are the major city in the principal pricing point of the markets. Class I prices at other cities are: Northeast (Boston): New York City, minus \$0.10; Philadelphia, minus \$0.20; Baltimore, minus \$0.25, and Washington, DC, minus \$0.25; Appalachian (Charlotte): Knoxville, minus \$0.20; and Louisville, minus \$1.10; Florida (Tampa): Orlando, same; Miami, plus \$0.60; and Jacksonville, minus \$0.40; Southeast (Atlanta): New Orleans, same; Memphis, minus \$0.90; Nashville, minus \$0.90; and Springfield, MO, minus \$1.40; Upper Midwest (Chicago): Milwaukee, minus \$0.05; and Minneapolis, minus \$0.10; Central (Kansas City): Des Moines, minus \$0.20; Omaha, minus \$0.15; Oklahoma City, plus \$0.60; St. Louis, same; and Denver, plus \$0.55; Mideast (Cleveland): Indianapolis, same; Cincinnati, plus \$0.20; Pittsburgh, plus \$0.10; and Detroit, minus \$0.20; California (Los Angeles); San Francisco, minus \$0.30; Sacramento, minus \$0.40; Tulare, minus \$0.50. Pacific Northwest (Seattle): Portland, same; and Spokane, same; Southwest (Dallas): Houston, plus \$0.60; San Antonio, plus \$0.45; Albuquerque, minus \$0.65; and El Paso, minus \$0.75.

U.S. Class III Milk Price at 3.5% Test (\$/cwt)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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
2019	\$13.96	\$13.89	\$15.04	\$15.96	\$16.38	\$16.27	\$17.55	\$17.60	\$18.31	\$18.72	\$20.45	\$19.37
2020	\$17.05	\$17.00	\$16.25	\$13.07	\$12.14	\$21.04	\$24.54	\$19.77	\$16.43	\$21.61	\$23.34	\$15.72
2021	\$16.04	\$15.75	\$16.15	\$17.67	\$18.96	\$17.21	\$16.49	\$15.95	\$16.53	\$17.83	\$18.03	\$18.36
2022	\$20.38	\$20.91	\$22.45	\$24.42	\$25.21	\$24.33	\$22.52	\$20.10	#N/A	#N/A	#N/A	#N/A

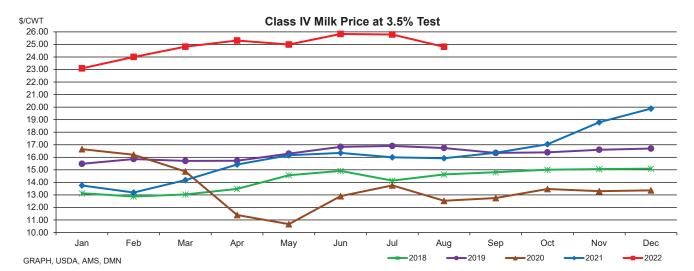
DATA SOURCE, USDA, AMS, DAIRY PROGRAMS, DPMRP and FMOIP, Announcement of Class and Component Prices, released 8/31/2022



U.S. Class IV Milk Price at 3.5% Test (\$/cwt)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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
2019	\$15.48	\$15.86	\$15.71	\$15.72	\$16.29	\$16.83	\$16.90	\$16.74	\$16.35	\$16.39	\$16.60	\$16.70
2020	\$16.65	\$16.20	\$14.87	\$11.40	\$10.67	\$12.90	\$13.76	\$12.53	\$12.75	\$13.47	\$13.30	\$13.36
2021	\$13.75	\$13.19	\$14.18	\$15.42	\$16.16	\$16.35	\$16.00	\$15.92	\$16.36	\$17.04	\$18.79	\$19.88
2022	\$23.09	\$24.00	\$24.82	\$25.31	\$24.99	\$25.83	\$25.79	\$24.81	#N/A	#N/A	#N/A	#N/A

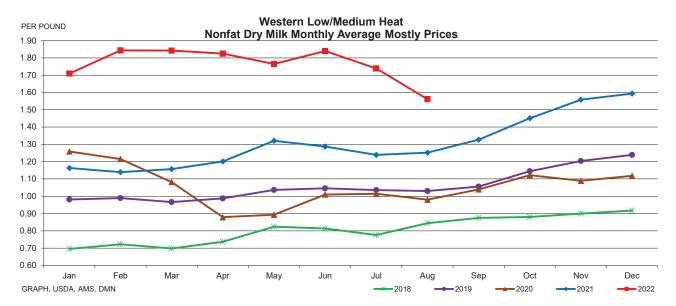
 ${\sf DATA\ SOURCE,\ USDA,\ AMS,\ DAIRY\ PROGRAMS,\ DPMRP\ and\ FMOIP,\ Announcement\ of\ Class\ and\ Component\ Prices,\ released\ 8/31/2022}$



Western Low/Medium Heat Nonfat Dry Milk Monthly Average Mostly Prices

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	0.6955	0.7221	0.6984	0.7370	0.8242	0.8140	0.7761	0.8442	0.8750	0.8800	0.8995	0.9169
2019	0.9807	0.9892	0.9660	0.9873	1.0370	1.0463	1.0361	1.03	1.0560	1.1448	1.2039	1.2395
2020	1.2583	1.2153	1.0818	0.8789	0.8935	1.0095	1.0142	0.9799	1.0393	1.1220	1.0891	1.1182
2021	1.1632	1.1389	1.1572	1.2010	1.3206	1.2869	1.2395	1.2523	1.3273	1.4513	1.5580	1.5935
2022	1.7090	1.8434	1.8418	1.8242	1.7643	1.8393	1.7385	1.5608				

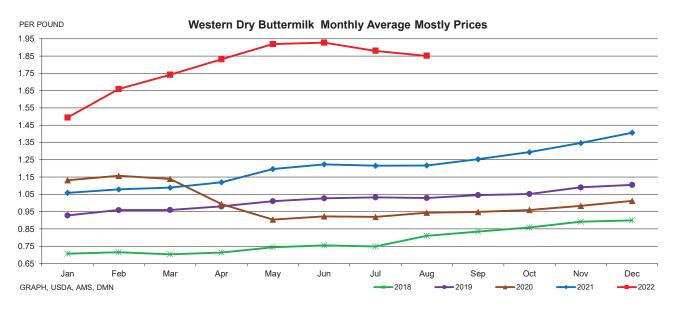
DATA SOURCE, USDA, AMS, DMN Monthly Averages, released 9/2/2022



Western Dry Buttermilk Monthly Average Mostly Prices

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	0.71	0.72	0.70	0.71	0.74	0.76	0.75	0.81	0.84	0.86	0.89	0.90
2019	0.93	0.96	0.96	0.98	1.01	1.03	1.03	1.03	1.05	1.05	1.09	1.11
2020	1.13	1.16	1.14	0.99	0.90	0.92	0.92	0.94	0.95	0.96	0.98	1.01
2021	1.06	1.08	1.09	1.12	1.20	1.22	1.22	1.22	1.25	1.29	1.35	1.41
2022	1.49	1.66	1.74	1.83	1.92	1.93	1.88	1.85				

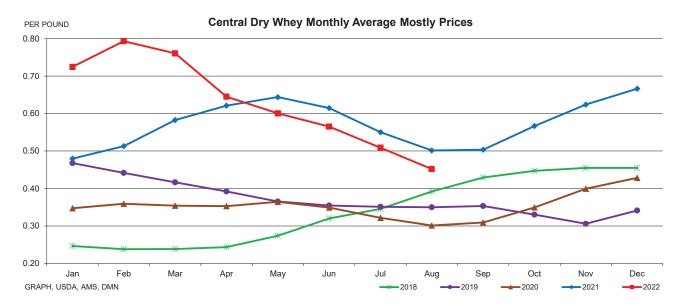
 ${\tt DATA\ SOURCE,\ USDA,\ AMS,\ DMN\ Monthly\ Averages,\ released\ 9/2/2022}$



Central Dry Whey Monthly Average Mostly Prices

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	0.2465	0.2382	0.2384	0.2435	0.2739	0.3198	0.3458	0.392	0.4293	0.4473	0.4550	0.4550
2019	0.4676	0.4416	0.4163	0.3922	0.3651	0.3547	0.3513	0.3500	0.3532	0.3303	0.3058	0.3412
2020	0.3471	0.3591	0.3540	0.3528	0.3644	0.3491	0.3215	0.3010	0.3095	0.3495	0.3993	0.4284
2021	0.4798	0.5128	0.5827	0.6209	0.6438	0.6144	0.5501	0.5015	0.5036	0.5666	0.6240	0.6662
2022	0.7245	0.7932	0.7604	0.6448	0.6006	0.5650	0.5085	0.4520				

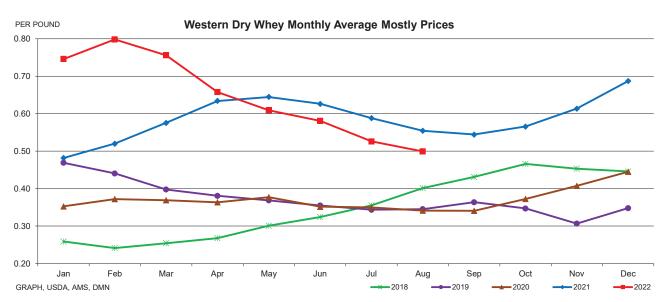
DATA SOURCE, USDA, AMS, DMN Monthly Averages, released 9/2/2022



Western Dry Whey Monthly Average Mostly Prices

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	0.2587	0.2416	0.2543	0.2678	0.3009	0.3243	0.3552	0.4013	0.4312	0.4661	0.4530	0.4456
2019	0.4689	0.4405	0.3976	0.3807	0.3685	0.3550	0.3436	0.3451	0.3636	0.3470	0.3069	0.3479
2020	0.3526	0.372	0.3691	0.3635	0.377	0.3517	0.3495	0.3412	0.3407	0.3724	0.4074	0.4452
2021	0.4816	0.5199	0.5755	0.6341	0.6447	0.6261	0.5879	0.5542	0.5442	0.5655	0.6133	0.6871
2022	0.7459	0.7980	0.7561	0.6579	0.6090	0.5808	0.5258	0 4991				

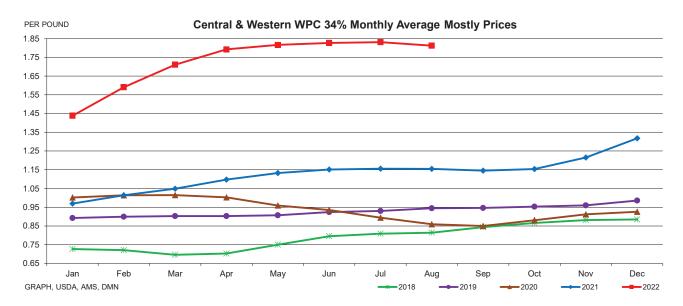
 ${\tt DATA\ SOURCE,\ USDA,\ AMS,\ DMN\ Monthly\ Averages,\ released\ 9/2/2022}$



Central & Western WPC 34% Monthly Average Mostly Prices

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	0.7268	0.7211	0.6960	0.7027	0.7502	0.7949	0.8092	0.8144	0.8437	0.8658	0.8817	0.8851
2019	0.8929	0.8995	0.9025	0.9025	0.9074	0.9244	0.9297	0.9444	0.9465	0.9530	0.9597	0.9854
2020	1.0017	1.014	1.0148	1.0027	0.959	0.9356	0.8945	0.8591	0.85	0.881	0.9124	0.9255
2021	0.9693	1.0134	1.0487	1.0977	1.1328	1.1513	1.1551	1.1548	1.1450	1.1540	1.2149	1.3174
2022	1.4378	1.5904	1.7102	1.7920	1.8160	1.8269	1.8313	1.8118				

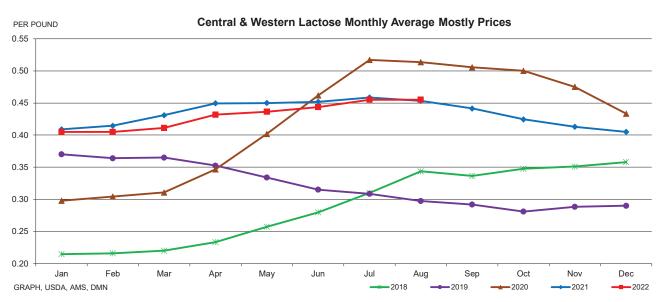
DATA SOURCE, USDA, AMS, DMN Monthly Averages, released 9/2/2022



Central & Western Lactose Monthly Average Mostly Prices

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	0.2146	0.2159	0.2200	0.2333	0.2573	0.2796	0.3099	0.3435	0.3363	0.3475	0.3510	0.3580
2019	0.3700	0.3639	0.3650	0.3525	0.3339	0.3150	0.3085	0.2973	0.2919	0.2809	0.2884	0.2900
2020	0.2979	0.3043	0.3107	0.3467	0.4018	0.4618	0.5170	0.5136	0.5056	0.5002	0.4751	0.4333
2021	0.4089	0.4145	0.4309	0.4495	0.4500	0.4518	0.4584	0.4534	0.4414	0.4245	0.4129	0.4050
2022	0.4050	0.4050	0 4111	0.4317	0.4363	0 4435	0.4550	0.4550				

DATA SOURCE, USDA, AMS, DMN Monthly Averages, released 9/2/2022



2.05

2022

2.16

#N/A

1.79

#N/A

#N/A

#N/A

#N/A

U.S. Milk-Feed Ratio

		Р	ounds of 1	16% Mixed	Dairy Fee	ed Equal in	Value to	1 Pound of	Whole Mi	lk		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	2.20	2.03	1.98	1.90	1.90	1.97	1.93	2.06	2.13	2.22	2.21	2.07
2019	2.06	2.07	2.14	2.11	2.12	2.09	2.16	2.26	2.34	2.44	2.66	2.57
2020	2.41	2.34	2.22	1.83	1.77	2.37	2.70	2.47	2.26	2.46	2.57	2.15
2021	1.95	1.75	1.76	1.75	1.65	1.56	1.52	1.49	1.66	1.84	1.92	1.96

1.93

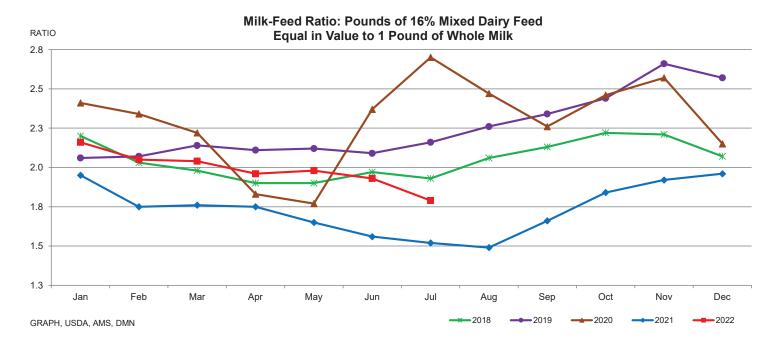
Data Source: USDA, NASS: Agricultural Prices Released 9/1/22

2.04

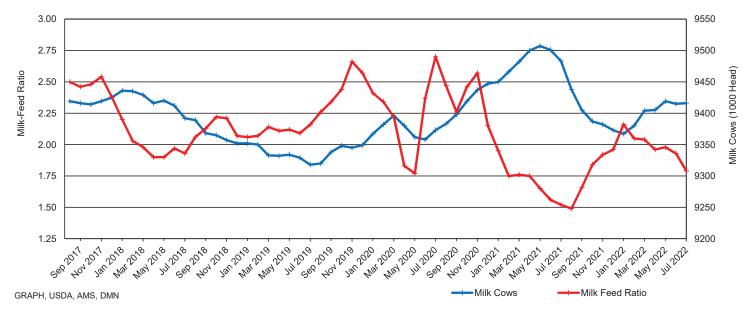
1.96

The price of commercial prepared dairy feed is based on current United States prices received for corn, soybeans, and alfalfa. The modeled feed uses 51 percent corn, 8 percent soybeans, and 41 percent alfalfa.

1.98



Milk-Feed Ratio VS U.S. Estimate Milk Cows





Dairy Market News Branch

National Retail Report-Dairy

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

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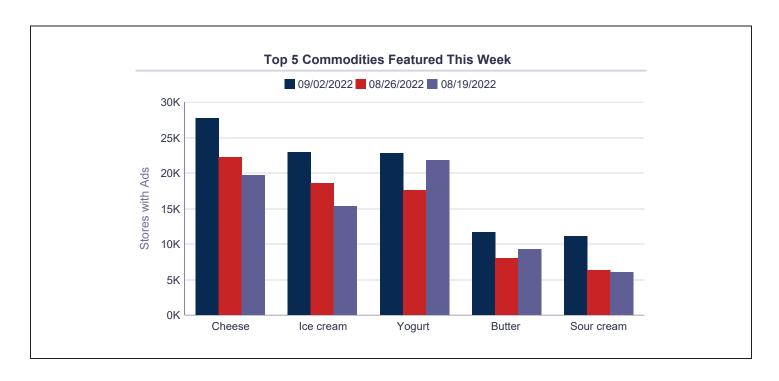
Advertised Prices for Dairy Products at Major Retail Supermarket Outlets ending during the period of 09/02/2022 to 09/08/2022

Total conventional dairy ad numbers increased by 23 percent and organic ads were up 1 percent. The most advertised dairy item was conventional ice cream in 48-64 pounce containers, and the weighted average advertised price for this was \$3.44.

The most advertised conventional cheese item this week was 8-ounce-shred, which appeared in 46 percent more ads than last period. The weighted average advertised price for this item fell 16 cents to \$2.36. In contrast to this, 1 pound shred style conventional cheese appeared in 52 percent fewer ads this week. This item's weighted average advertised price increased by 32 cents this period to \$4.10. There were no ads for organic cheese items appearing in this week's survey.

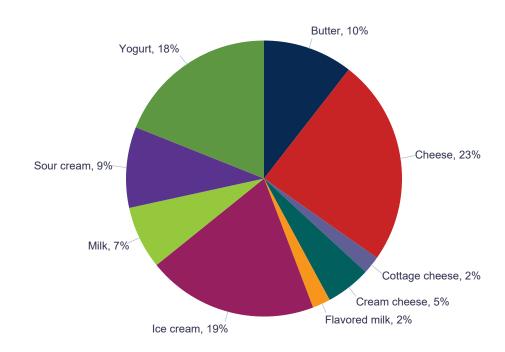
Conventional Greek yogurt in 32-ounce containers appeared in 125 percent more ads this week. The weighted average advertised price for this item fell by 24 cents to \$3.97. Meanwhile, organic Greek yogurt in 32-ounce containers appeared in 299 percent more ads and had a weighted average advertised price of \$4.35. The price difference between these two yogurt types reveals an organic premium of 38 cents.

Total ads for conventional milk fell by 12 percent, and organic milk ads declined by 40 percent. The most advertised conventional milk item was gallon containers, despite appearing in 2 percent fewer ads than last week. Organic milk in gallon containers appeared in 48 percent fewer ads this week. The weighted average advertised prices for these items were \$3.62 for the former and \$5.69 for the latter. The organic premium for gallon sized containers of milk was \$2.07.

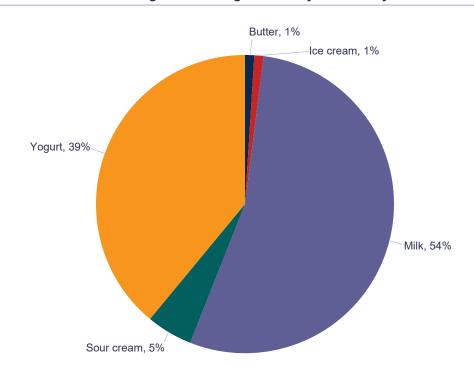




Percentage of Total Conventional Ads by Commodity



Percentage of Total Organic Ads by Commodity





NATIONAL -- CONVENTIONAL DAIRY PRODUCTS

			THIS P	ERIOD	LAST	WEEK	LAST	YEAR
Commodity	Туре	Pack Size	Stores With Ads	Wtd Avg Price	Stores With Ads	Wtd Avg Price	Stores With Ads	Wtd Avg Price
Butter		1 #	11597	4.15	8040	4.55	4737	3.09
Cheese	Natural Varieties	8 oz block	10593	2.37	7569	2.42	7561	2.12
Cheese	Natural Varieties	1 # block	727	4.45	1671	3.78	319	3.95
Cheese	Natural Varieties	2 # block	1636	7.26	1036	9.24	1022	6.22
Cheese	Natural Varieties	8 oz shred	13443	2.36	9238	2.52	12721	2.19
Cheese	Natural Varieties	1 # shred	1262	4.10	2640	3.78	62	3.79
Cottage cheese		16 oz	2806	2.52	2490	2.65	3776	1.99
Cream cheese		8 oz	6146	2.45	5230	2.23	4568	2.02
Flavored milk	All fat tests	half gallon	1004	1.96	1159	1.93	334	2.50
Flavored milk	All fat tests	gallon	847	3.08	929	2.94		
Ice cream		48-64oz	22828	3.44	18563	3.35	22078	3.08
Milk	All fat tests	half gallon	3874	2.47	4921	2.29	374	2.24
Milk	All fat tests	gallon	4577	3.62	4686	3.71	205	2.99
Sour cream		16 oz	10910	2.11	6331	2.16	8525	1.70
Yogurt	Greek	4-6 oz	8246	1.07	7063	1.11	8477	1.00
Yogurt	Greek	32 oz	4253	3.97	1891	4.21	1745	4.60
Yogurt	Yogurt	4-6 oz	6296	.60	5609	.63	2501	.58
Yogurt	Yogurt	32 oz	2211	2.57	2846	2.53	337	2.70

REGIONAL -- CONVENTIONAL DAIRY PRODUCTS

			NO	RTHEAST	U.S.	so	UTHEAST	U.S.	MIDWEST U.S.			
Commodity	Туре	Pack Size	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#	2.97-5.48	4624	4.68	2.49-4.49	688	3.38	2.49-4.77	1472	3.40	
Cheese	Natural Varieties	8 oz block	1.87-4.99	3490	2.63	1.49-3.50	2120	2.33	1.49-3.00	1118	2.15	
Cheese	Natural Varieties	1 # block	4.49-4.99	391	4.91	4.29	53	4.29	3.00-3.50	249	3.14	
Cheese	Natural Varieties	2 # block							7.49	213	7.49	
Cheese	Natural Varieties	8 oz shred	1.87-3.69	4649	2.44	1.49-4.29	2648	2.38	1.49-3.00	1655	2.28	
Cheese	Natural Varieties	1 # shred	3.98	632	3.98	4.29	53	4.29	3.50	69	3.50	
Cottage cheese		16 oz	2.19-3.00	704	2.71	2.00-3.00	1621	2.48	1.99	69	1.99	
Cream cheese		8 oz	1.68-3.99	1436	2.76	1.99-3.00	327	2.32	1.59-3.48	1461	2.48	
Flavored milk	All fat tests	half gallon	1.86	316	1.86	2.50	214	2.50				
Flavored milk	All fat tests	gallon	3.03	316	3.03				4.99	57	4.99	
Ice cream		48-64oz	1.99-4.99	3380	3.37	1.99-6.49	5673	3.45	1.99-4.99	4163	3.52	
Milk	All fat tests	half gallon	1.86-3.60	2528	2.51							
Milk	All fat tests	gallon	3.03-4.87	2844	3.68	5.49	64	5.49				
Sour cream		16 oz	1.69-3.00	2509	2.19	1.29-2.50	2907	2.24	1.49-2.50	1429	1.88	
Yogurt	Greek	4-6 oz	0.79-1.50	2455	1.13	1.00-1.25	1665	1.01	0.80-1.25	1526	1.12	
Yogurt	Greek	32 oz	3.54-5.99	1376	4.29	3.29-5.00	512	4.00	3.29-4.98	830	3.88	

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			NO	RTHEAST	U.S.	so	UTHEAST	U.S.	М	IDWEST U.	S.
Commodity	Туре	Pack Size	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	0.38-0.70	3808	.61	0.60	61	.60	0.50	116	.50
Yogurt	Yogurt	32 oz	2.36	948	2.36	3.50	125	3.50	2.50-3.29	155	3.00

			sou	TH CENTRA	AL U.S.	so	UTHWEST	U.S.	NORTHWEST U.S.			
Commodity	Туре	Pack Size	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#	2.49-4.49	884	3.08	2.49-4.99	1678	3.92	2.49-5.48	2089	4.29	
Cheese	Natural Varieties	8 oz block	1.49-3.50	1285	2.28	1.49-3.00	2020	2.19	1.49-2.00	447	1.79	
Cheese	Natural Varieties	2 # block	6.49	121	6.49	6.99-7.48	460	7.36	5.77-8.99	821	7.27	
Cheese	Natural Varieties	8 oz shred	1.49-3.50	1456	2.27	1.49-3.50	2189	2.33	1.49-2.99	767	2.10	
Cheese	Natural Varieties	1 # shred				3.98	344	3.98	3.98	130	3.98	
Cottage cheese		16 oz				1.98	344	1.98				
Cream cheese		8 oz	1.99-2.50	483	2.20	1.68-2.99	1479	2.23	1.68-2.98	841	2.34	
Flavored milk	All fat tests	half gallon				1.76	344	1.76	1.86	130	1.86	
Flavored milk	All fat tests	gallon				2.84	344	2.84	3.03	130	3.03	
Ice cream		48-64oz	1.99-6.99	3872	3.58	1.99-4.50	4380	3.29	1.99-4.50	1256	3.22	
Milk	All fat tests	half gallon				1.76	344	1.76	1.86-3.60	910	2.35	
Milk	All fat tests	gallon	1.97	121	1.97	2.84	344	2.84	3.03-4.87	1170	3.68	
Sour cream		16 oz	1.67-2.50	1207	2.14	1.67-2.29	2009	1.93	1.49-2.38	691	2.03	
Yogurt	Greek	4-6 oz	0.89-1.33	841	1.12	0.64-1.25	1180	.93	0.99-1.00	463	1.00	
Yogurt	Greek	32 oz	3.29-3.49	351	3.37	3.29-4.99	858	3.99	2.49-3.54	326	3.33	
Yogurt	Yogurt	4-6 oz	0.59	118	.59	0.39-0.59	1126	.52	0.64	1040	.64	
Yogurt	Yogurt	32 oz	3.29	78	3.29	2.36-3.00	481	2.54	2.36	390	2.36	

				ALASKA U.	S.		HAWAII U.S	
Commodity	Туре	Pack Size	Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price
Butter		1#	4.49-5.49	60	4.96	4.69-6.79	102	5.42
Cheese	Natural Varieties	8 oz block	3.29	11	3.29	2.75-5.59	102	3.70
Cheese	Natural Varieties	1 # block				8.99	34	8.99
Cheese	Natural Varieties	2 # block	6.99	21	6.99			
Cheese	Natural Varieties	8 oz shred	3.29	11	3.29	2.75-5.69	68	4.22
Cheese	Natural Varieties	1 # shred				8.99	34	8.99
Cottage cheese		16 oz				4.29-5.19	68	4.74
Cream cheese		8 oz				3.00-3.50	119	3.24
Ice cream		48-64oz	3.49- 10.49	50	7.74	3.99-4.50	54	4.25
Milk	All fat tests	half gallon				4.79-5.99	92	5.29
Milk	All fat tests	gallon				7.49	34	7.49
Sour cream		16 oz	2.00-4.00	39	3.44	2.49-3.50	119	3.09
Yogurt	Greek	4-6 oz	1.50	21	1.50	1.25-2.00	95	1.71
Yogurt	Yogurt	4-6 oz				0.49	27	.49
Yogurt	Yogurt	32 oz				4.49	34	4.49



NATIONAL -- ORGANIC DAIRY PRODUCTS

			THIS P	ERIOD	LAST	WEEK	LAST	YEAR
Commodity	Туре	Pack Size	Stores With Ads	Wtd Avg Price	Stores With Ads	Wtd Avg Price	Stores With Ads	Wtd Avg Price
Butter		1#	34	14.99			315	5.34
Cottage cheese		16 oz					238	3.65
Cream cheese		8 oz					296	2.49
Ice cream		48-64oz	63	6.45			225	8.03
Milk	All fat tests	half gallon	988	4.33	1159	4.84	1802	4.22
Milk	All fat tests	gallon	1304	5.69	2500	5.86	486	5.79
Milk	All fat tests	8 oz UHT	34	2.39	190	2.28	137	1.00
Sour cream		16 oz	214	2.49			332	2.49
Yogurt	Greek	32 oz	587	4.35	147	6.49	673	5.55
Yogurt	Yogurt	4-6 oz					137	1.25
Yogurt	Yogurt	32 oz	812	4.02			367	3.87

REGIONAL -- ORGANIC DAIRY PRODUCTS

			NC	RTHEAST	U.S.	so	UTHEAST	U.S.	М	IDWEST U.	S.
Commodity	Туре	Pack Size	Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price
Milk	All fat tests	half gallon	3.99	396	3.99				3.88	180	3.88
Milk	All fat tests	gallon	5.98	316	5.98	6.49	61	6.49			
Sour cream		16 oz				2.49	214	2.49			
Yogurt	Greek	32 oz	4.46	316	4.46						
Yogurt	Yogurt	32 oz	4.00	396	4.00	4.50	61	4.50			

			sou	TH CENTRA	AL U.S.	so	UTHWEST	U.S.	NO	RTHWEST	J.S.
Commodity	Туре	Pack Size	Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price
Ice cream		48-64oz	6.45	63	6.45						
Milk	All fat tests	half gallon				3.98	344	3.98			
Milk	All fat tests	gallon				5.00-5.98	704	5.48	5.49-5.98	196	5.82



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			sou	TH CENTRA	AL U.S.	sc	UTHWEST	u.s.	NOI	RTHWEST	U.S.
Commodity	Туре	Pack Size	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	Greek	32 oz	3.99	141	3.99				4.46	130	4.46
Yogurt	Yogurt	32 oz							3.79-3.99	355	3.95

				ALASKA U.	S.	HAWAII U.S.			
Commodity	Туре	Pack Size	Price Range	Stores with Ads	Wtd Avg Price	Price Range	Stores with Ads	Wtd Avg Price	
Butter		1#				14.99	34	14.99	
Milk	All fat tests	half gallon				7.49- 10.99	68	9.24	
Milk	All fat tests	gallon				5.00	27	5.00	
Milk	All fat tests	8 oz UHT				2.39	34	2.39	

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. lowa, 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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