American Dairy Association Mideast

Dairy Across the Plate

June Wedd, V.P. School Wellness

Jennifer Tagliarino, School Wellness Manager



The American Dairy Association Mideast works on behalf of Ohio & West Virginia dairy farm families.

We are an affiliate of the National Dairy Council. For over 100 years, NDC has provided science-based education on the nutrition and health benefits of dairy foods as part of a well-balanced diet.

Local dairy council representatives and an RDN network located throughout the country provide dairy nutrition-related information, educational materials, and interviews for members of the media





Dairy's Place on MYPlate

Choose low fat or fat free dairy foods



Milk, Cheese, and Yogurt

- > 2-3yo: 2 servings *whole milk age 1-
- ➤ 4-8yo: 2 ½ servings
- > 9yo and older: 3 servings

Serving:

- ✓ 1 cup of milk
- ✓ 6-8 oz. yogurt
- √ 1½ ounces of natural cheese

Each can be considered as 1 cup from the Dairy Group

Dairy's Place on the Summer Meal Plate



Breakfast Meal Pattern Select All three Components for a Reimbursable Meal

| <mark>1 milk</mark> | <mark>1 cup</mark> | <mark>fluid milk</mark> |
|-----------------------------|--------------------|--|
| 1 fruit/vegetable | 1/2 cup | juice ¹ , and/or vegetable |
| 1 grains/bread ² | , , | bread or cornbread or biscuit or roll or muffin or |
| | • | cold dry cereal or |
| | 1/2 cup | hot cooked cereal or |
| | 1/2 cup | pasta or noodles or grains |
| | | |
| | | |

Lunch or Supper Meal Pattern Select All Four Components for a Reimbursable Meal



| <mark>1 milk</mark> | <mark>1 cup</mark> | <mark>fluid milk</mark> |
|-----------------------------|--------------------|---|
| 2 fruits/vegetables | 3/4 cup | juice ¹ , fruit and/or vegetable |
| | | |
| 1 grains/bread ² | 1 slice1 serving | bread or cornbread or biscuit or roll or muffin or |
| | 1/2 cup | hot cooked cereal or |
| | 1/2 cup | pasta or noodles or grains |
| 1 meat/meat | 2 oz.2 oz. | lean meat or poultry or fish ³ or alternate protein or |
| alternate | <mark>2 oz.</mark> | <mark>cheese or</mark> |
| | 1 large | egg or |
| | 1/2 cup | cooked dry beans or peas or |
| | 4 Tbsp. | peanut or other nut or seed butter or |
| | 1 oz. | nuts and/or seeds ⁴ or |
| | <mark>8 oz.</mark> | <mark>yogurt⁵</mark> |

Snack (Supplement) Meal Pattern Select Two of the Four Components for a Reimbursable Snack



| <mark>1 milk</mark> | <mark>1 cup</mark> | <mark>fluid milk</mark> |
|-----------------------------|--------------------|---|
| ¹fruit/vegetable | 3/4 cup | juice ¹ , fruit and/or vegetable |
| 1 grains/bread ² | 1 slice1 serv | bread orcornbread or biscuit or roll or muffin or |
| | 3/4 cup | cold dry cereal or |
| | 1/2 cup | hot cooked cereal or |
| | 1/2 cup | pasta or noodles or grains |
| 1 meat/meat | 1 oz. | lean meat or poultry or fish ³ or alternate protein or |
| alternate | <mark>1 oz.</mark> | <mark>cheese or</mark> |
| | 1/2 large | egg or |
| | 1/4 cup | cooked dry beans or peas or |
| | 2 Tbsp. | peanut or other nut or seed butter or |
| | 1 oz. | nuts and/or seeds or |
| | <mark>4 oz.</mark> | <mark>yogurt 4</mark> |
| | | |

Defining Dairy

From organic to ultra-filtered and everything in between, discover what makes these cow milks unique!



Raw milk is unpasteurized and can contain harmful bacteria. On the farm, raw milk is pumped into a refrigerated bulk tank directly after milking. It is stored at 45°F or less, then transported via insulated tanker to a processing facility where it's pasteurized to destroy diseasecausing bacteria such as Salmonella and E.coli.



Lactose-free Milk

Milk that does not contain lactose. It is created by adding lactase to regular milk to help break down the lactose (the natural carbohydrate in milk), making it a great option for individuals with lactose intolerance.



Ultra-Filtered Milk

Milk is separated into its five components: water, lactose/carbohydrates, vitamins and minerals, protein, and butterfat. Dairy companies then recombine those parts in different percentages to make beverages that contain, for example, more protein and calcium or less sugar/carbohydrate.



Regular Milk

Milk produced using modern farming practices. Pasteurized milk is heated to 161°F for 15 seconds and lasts for 10-20 days when refrigerated at 34-38°F. Ultra-pasteurized milk is heated to 280°F for 2 seconds, can be stored refrigerated for 30-90 days and lasts 7-10 days after opening when refrigerated at 34-38°F.



A₂ Milk

Milk from dairy cows that produce concentrated A2 beta casein, a type of dairy protein. While regular milk contains both A1 and A2 beta casein, A2 milk only contains A2, which is thought to be easier to digest. However, more science is needed to support this.



Powdered Milk

After milk is pasteurized, 97% of water is removed by evaporation and spray drying. When stored in dry, cool conditions it has a shelf life in excess of two years.

*Nutrients based on 8-oz reconstituted non-fat milk

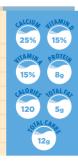




*Nutrition analysis based on an 8-oz serving of reduced fat (2%) white milk

Organic Milk

Milk from farms that meet USDA's National Organic Program Standards. In terms of quality, safety and nutrition, there's no difference between organic and regular milk.



Shelf Stable Milk

Ultra-pasteurized milk that is bottled in special aseptic packaging to create a sterile shelf-stable product.



SHELF STABLE MILK



COMMON QUESTIONS

Milk is an integral part of summer meals due to its unique nutritional package. One serving of milk delivers 13 essential nutrients that fuels children's growth, development and learning.

What is the shelf life of shelf stable milk?

Shelf stable milk is natural, real milk that contains the same nutrients as regular milk. It is ultra-pasteurized and bottled in special aseptic packaging to create a sterile shelf-stable product that does not require refrigeration.

Shelf stable (aseptic) milk can have a shelf life of four months or more and can be stored without refrigeration until ready to use. Once the aseptic packaging is opened, it must be refrigerated and has the same shelf life as regular pasteurized milk.

SHELF STABLE MILK



COMMON QUESTIONS

Should shelf stable milk be served at room temperature?



No, we do not recommend serving shelf stable milk at room temperature. Although it does not require refrigeration for storage, most people prefer to consume milk that is between 36-39 degrees, so we recommend refrigerating the milk 48-72 hours prior to serving.

Is the nutritional value of shelf stable milk different than regular milk?

No. The nutrition, including protein, calcium and Vitamin D, of shelf stable milk is no different than any other dairy milk options and meets all nutritional requirements for school meals.

Are there preservatives added to create shelf-stable milk?

No additives or preservatives are used to produce shelf stable milk. Milk goes through an ultrahigh temperature (UHT) pasteurization and is bottled in sterile aseptic packaging that allows for a longer shelf life.

SHELF STABLE MILK



COMMON QUESTIONS

Does shelf-stable milk taste different than regular milk?



Due to the high heat used in the UHT pasteurization, there is sometimes a slight difference in flavor, however, most people will not notice this difference, especially in flavored milk.

Are there various types of shelf stable milk and flavor options available?

Yes. There are a wide variety of shelf-stable milk products, however, product availability for your program depends on your milk processor/distributor.



COMMON QUESTIONS ABOUT

LACTOSE INTOLERANCE



HOW DO I KNOW IF I'M LACTOSE INTOLERANT?

During digestion, the enzyme lactase breaks down lactose (the natural sugar found in milk) for energy. Each person produces a different level of lactase and people with lower levels may experience an upset stomach when they consume more lactose than their body can digest.

AM I ALLERGIC TO MILK AND OTHER DAIRY FOODS?

No — being lactose intolerant is not the same as having a milk allergy. A milk allergy is caused by a reaction to the protein in milk. This is different from lactose intolerance, which occurs when your body has a hard time digesting the natural sugar (lactose) in milk. If you have a milk allergy you must avoid all dairy foods.

CAN I BECOME MORE SENSITIVE TO LACTOSE AS I GROW OLDER?

Your body makes an enzyme called lactase to help digest the lactose in milk. As you grow older, your body may produce less of this enzyme than when you were younger, but it's different for everyone and you may not experience any problems.

DO ALL DAIRY FOODS HAVE THE SAME AMOUNT OF LACTOSE?

No — dairy foods have different amounts of lactose, so choose dairy foods that you enjoy and are right for you!



Amorican

KNOW THE FACTS ABOUT

LACTOSE INTOLERANCE

WHY CHOOSE DAIRY?

It's a nutrient powerhouse! An 8-oz glass of milk alone has 13 nutrients, including:



Calcium



Potassium



Protein



Vitamin D



THE BOTTOM LINE — Dairy foods are delicious and nutritious. Here are some tips for enjoying them:



Try lactose-free milk and dairy foods. They are real dairy products, just without the lactose. Choose from a variety of flavors and to enjoy as part of a meal or snack.



Eat yogurt with "live, active cultures" to help digest lactose. Try drinkable yogurts and even kefir.



Add naturally-aged cheeses like Cheddar, Colby or Swiss to your meal or snack they are naturally low in lactose!

CHOOSE THE RIGHT DAIRY FOODS FOR YOU

No Lactose



Lactose-free Milk Milk with lactose broken down



Cheese Hard cheeses have low or no lactose



Greek Yogurt Some varieties have less lactose than regular yogurt



Plain Yogurt Has live cultures that help your body break down lactose



Kefir Has live cultures that help your body break down lactose



High Lactose

Milk Try smaller portions to build up your tolerance



Amorican

Defining Dairy

American
Dairy
Association
MIDEAST

YOGURT From traditional to Greek and everything in between, discover what makes these yogurts unique!

*Nutrition analysis based on a 6-oz serving of low fat (1%) plain yogurt

Traditional Yogurt

Yogurt is made from cow's milk that is fermented by adding the cultures Lactobacillus bulgaricus and Streptococcus thermophilus. As these cultures grow, the milk thickens and becomes tangy and tart, resulting in a creamy texture. It is unstrained, so it is not as thick as other types of yogurts. Traditional yogurt can be made by using whole, low fat or fat free milk.



12%

French-style Yogurt

French-style yogurt is made in small batches using whole milk and ingredients like cane sugar, fruit (if flavored) and yogurt cultures. Using a technique called "pot-set," it is poured into individual glass containers to set and culture for 8 hours. The result is a thicker, firmer yogurt that is not as tart.

*Nutrients based on 6-oz serving of whole fat plain yogurt

Australian Yogurt

This yogurt is unstrained but a little richer and creamier than traditional yogurt, which can vary by the type of milk fat being used. Some brands may use only whole milk, while nonfat milk brands may cook it slower and longer than traditional yogurt to achieve that extra creaminess. It is also known as "Aussie Style."

16g

15%

*Nutrients based on 6-oz serving of reduced fat plain yogurt

Kefir

Kefir is a fermented milk drink similar to a thin yogurt. It is fermented multiple times with a specific bacteria from kefir grains which produce more probiotics than yogurt. It is slightly bubbly and mildly tart, and has less lactose (the natural carbohydrate in milk) compared to yogurt. In the Turkish language, kefir means "good feeling."

12g

31%

*Nutrients based on 8-oz serving of low fat plain kefir

Icelandic Yogurt

This yogurt is made when the whey is strained four times, creating the thickest and creamiest yogurt available. It is usually mildly tangy and less tart than Greek yogurt. This type of yogurt is also known as Skyr, which is the Icelandic word for yogurt.

*Nutrients based on 6-oz serving of fat free plain yogurt



Greek yogurt is made when traditional yogurt is strained to remove the liquid whey, resulting in a thicker, creamier and more tart yogurt. Greek yogurt is higher in protein, slightly lower in calcium, and lower in lactose (the natural carbohydrate in milk) compared to regular yogurt.



6g

16%

Yogurt on the Plate







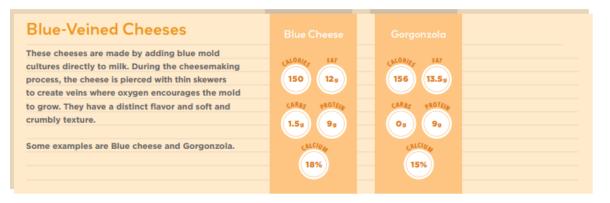
Defining Dairy CHESE From fresh to aged and everything in between, discover what makes these cheeses unique!



*Nutrition analysis based on 1.5-oz serving

Semi-Hard Cheeses These cheeses are pressed into a mold and are aged for at least eight months. There are dense and firm but still have some springiness. Their flavor characteristics can vary greatly, but tend to be well balanced, and smooth. Some examples include Cheddar, Swiss, Gouda, Gruyere and Edam. Cheddar Swiss Gouda Chioric, FAT 172 149 168 139 152 129 CARBS PROTE/H 1.49 109 0.69 11.59 CARBS PROTE/H 1.49 109 CARBS PROTE/H 1.49 CARBS PROTE/H 1.49 109 CARBS PROTE/H 1.49 109 CARBS PROTE/H 1.49 109 CARBS PROTE/H 1.49 CAR





Defining Dairy CHESE From fresh to aged and everything in between, discover what makes these cheeses unique!

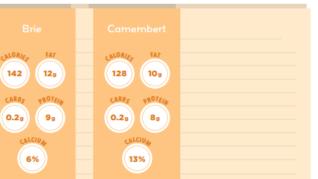


*Nutrition analysis based on 1.5-oz serving

Soft-Ripened Cheeses

These cheeses are ripened when briefly exposed to mold cultures that form a thin, white or cream-colored rind that is soft and edible (also known as a bloomy rind). Soft-ripened cheeses have a high moisture level and fat content, resulting in a buttery taste and creamy texture.

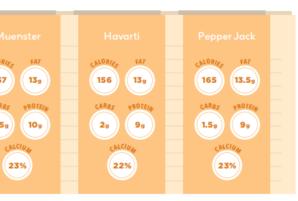
Some examples are Brie and Camembert.



Semi-Soft Cheeses

Semi-soft cheeses are all made with whole milk, giving them a soft and creamy texture. These cheeses are more dense than soft cheeses and have a mild and buttery taste. Some of these cheeses have a small rind from being lightly pressed into a mold.

Some examples include Muenster, Havarti, Fontina and Pepper Jack.



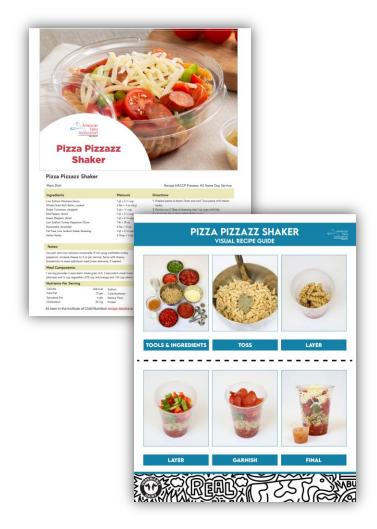
Soft Fresh Cheeses

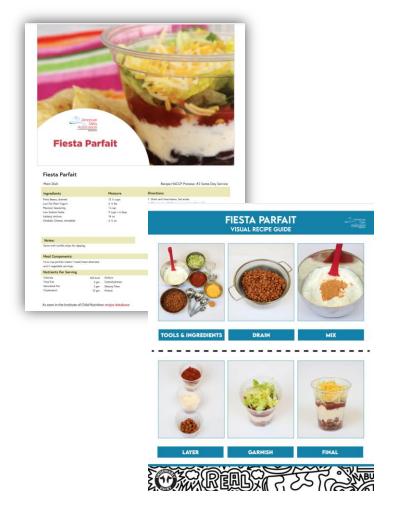
Only one step removed from milk, these cheeses contain the highest moisture content of any cheeses. They are not aged or ripened and do not have rinds, have a mild, delicate and creamy flavor and are smooth and often spreadable. They are white throughout, but sometimes natural colors like betta carotene or annatto are added to give a uniform orange color.

Some examples include cheese curds, fresh Mozzarella, Ricotta. Cream cheese, Cottage cheese and Feta.

Whole Milk Mozzarella Cream Cheese Cottage Cheese Chlories EAT Chlories EAT 127 9g 149 15g 61 4g CARRS 9ROTEIN CARRS 9ROTEIN CARRS 9ROTEIN 1g 9g 2g 3g 1g 4.5g CALCIUN CALCIUN CALCIUN 3% 3%







PARTICIPATE IN THE SMOOTHIE SLURP

FEBRUARY 5-9, 2024

JOIN IN THE FUN

The American Dairy Association Mideast and the Ohio and West Virginia Farm to School Networks invite your school or other location to register for the Smoothie Slurp during the week of February 5th!

Participating in the "smoothie slurp" simply means making, serving and slurping smoothies made with dairy foods blended with fruits and vegetables (local, fresh, frozen or canned) for breakfast or lunch! Register at https://bit.ly/SmoothieSlurp24

REGISTER HERE

SHARE ON SOCIAL MEDIA

Show us how you slurp! Share photos or videos on social media using #OHSmoothieSlurp or #WVSmoothieSlurp and tag @adamideast and @OhioFarm2School or @WVFarm2School.



YOUR SCHOOL





In partnership with Ohio and West Virginia Form to School Retworks

Register TODAY



NEW recipes

Yogurt/Milk + Fruit + Vegetables



THANK YOU!

www.Drink-Milk.com

June.Wedd@Drink-Milk.com

Jennifer.Tagliarino@Drink-Milk.com

380-390-2663