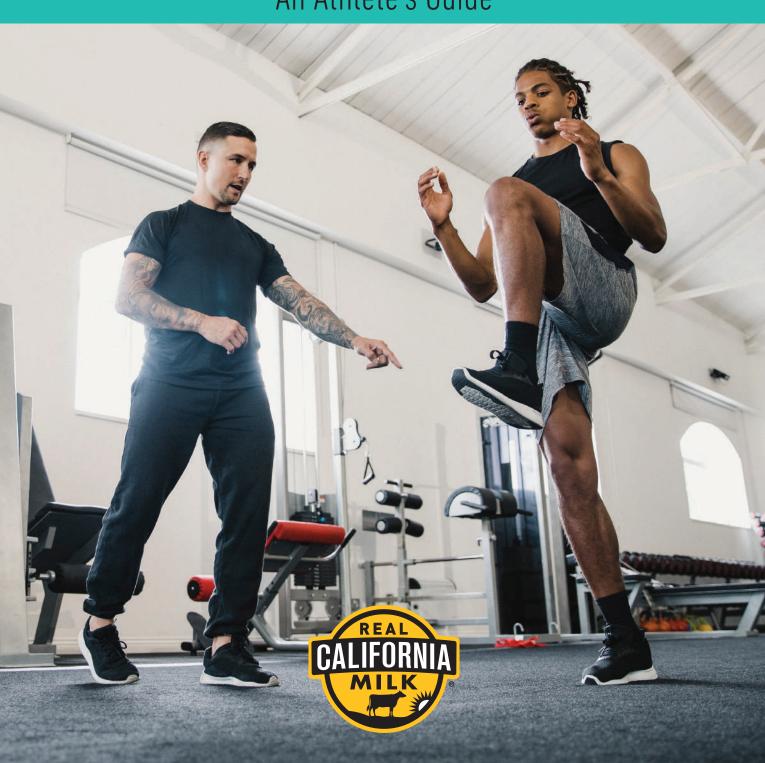
An Athlete's Guide



As an athlete, staying properly fueled throughout the day is critical for keeping your energy levels steady so you can perform at your best. Use this quide to identify what, when, and how to eat to compete with real California dairy.\*

#### WHAT SHOULD I EAT TO COMPETE?

#### WHAT DOES IT DO?

Athletes require more protein than the average person.<sup>1,2</sup> Protein is a vital part of an athlete's diet, playing a role in:



- Muscle repair, growth, maintenance, and reducing muscle soreness after exercise
- Supporting strong muscles, bones, ligaments, and tendons
- · Healthy weight
- Immune function
- Healing

#### **HOW MUCH DO I NEED?**

Your personal protein needs depend upon intensity, duration, and frequency of your exercise.

Experts recommend 0.5-0.9 grams (g) per pound of body weight.1,2

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Try to consume roughly 20-30 grams of protein each meal to maximize muscle building and recovery.3

#### WHAT FOODS HAVE IT?







2 STRING CHEESE (14 g)

1 TUB (170 g) YOGURT (7 q)

1 CUP COTTAGE CHEESE (25 q)







3 OZ. DELI ROAST TURKEY (24 g)

2 HARD BOILED EGGS (12 g)



(17 g)

- Spread protein throughout the day
- Protein pack your breakfast
- Include protein at all meals and snacks
- Protein before bed helps keep your muscles in positive balance to support muscle growth and recovery

#### WHAT DOES IT DO?

Carbohydrates provide quick fuel for your muscles—they are stored in your muscle to be used during exercise.



They help us use the protein and fat we eat for growth, repair, and energy.

Eating too little carbohydrates may negatively affect your athletic performance.1,4

#### **HOW MUCH DO I NEED?**

The more active you are, the more energy you need, so therefore the more carbohydrates your body requires. All athletes, no matter what sport, typically require at least half of their calorie needs to come from carbohydrates.

#### WHAT FOODS HAVE IT?



POTATO (26 g)



1 PEACH CUP











1 MEDIUM BAKED 1/2 CUP CHICKPEAS (25 g)

34 CUP WHOLE GRAIN PASTA (23 g)

# **CARBOHYDRATES:**

whole grains, beans, starchy vegetables



#### **MORE ACTIVE DAYS =** MORE CARBS NEEDED

Most athletes need at least half their calories from carbohydrate foods. Multi-sport athletes need even more.

#### WHAT DOES IT DO?

A mineral that helps build strong bones and keeps your nerves and muscles in top shape.



#### **HOW MUCH DO I NEED?**

The Daily Value for calcium, or the recommended amount of calcium to consume each day, is 1,300 milligrams (mg).

#### WHAT FOODS HAVE IT?



1 CUP

MII K

(300 mg)



1 TUB (170 g)

**YOGURT** 

(311 mg)







#### 1 OZ. CHEESE

CHEDDAR (260 mg)

1 CUP KAI F (101 mg)

#### WHAT DOES IT DO?

A vitamin that teams up with calcium (Ca) to keep bones strong.



#### **HOW MUCH DO I NEED?**

The Daily Value for vitamin D, or the recommended amount of vitamin D to eat each day, is 20 micrograms (mcg).

#### WHAT FOODS HAVE IT?

1 OZ. CHEDDAR



1 CUP

MILK

(4 mcg)



CHEESE

(0.3 mcg)





**COOKED** 

(1.1 mcq)





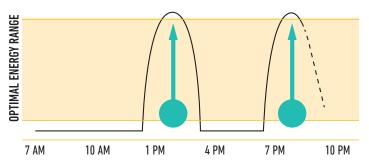
(14.2 mcg)



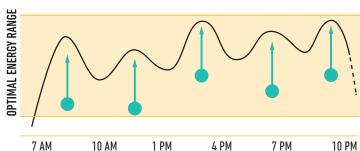
#### WHEN SHOULD I EAT TO COMPETE?

To stay competitive, **it is critical to eat every 2–3 hours**. This is so our bodies have the right mix of nutrients and energy to power us through exercise, and kickstart the recovery process once we are done. It is also important to choose certain foods timed around activity, so they provide the right nutrients to keep you in the game.\*

#### **INCONSISTENTLY-FUELED ATHLETE:** BIG MEALS



#### **CONSISTENTLY-FUELED ATHLETE:** MINI-MFAI S



#### FAT TO COMPETE PRE-EXERCISE PLAN

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WHEN	WHAT	DETAILS	MEAL OPTIONS
3-4 hours before	Moderate Sized Meal & Liquids	Balance of carbs, protein, and fat	2 soft chicken tacos on corn tortilla, 2 tbsp guacamole and salsa, ¼ cup shredded Monterey Jack cheese Water
2-3 hours before	Small Meal & Liquids	Low in fat & low in fiber	PERFORMANCE AND RECOVERY SNACK PACK Cup of chocolate milk
1 hour before	Snack & Liquids	Low in fat & low in fiber Easy to digest	Sports drinks, graham crackers, saltines, banana, mini bagel, English muffin, sports gummy or gels
Early Morning Game Breakfast	Light or Liquid Meal	Low in fat, moderate protein	Oatmeal with banana, blueberries, yogurt cup

## PERFORMANCE AND RECOVERY SNACK PACK

Developed by Jordan Mazur, MS, RD

"Fueling your day doesn't mean only fueling up for your workouts. It means that you are fueling your body all day long for whatever demands the day brings: practice, meetings, workouts, schoolwork, etc. This snack pack provides balanced levels of carbs, fats, protein, and functional ingredients so you can fuel all day long to perform your best.

This snack pack is also perfect if you suspect an intolerance or sensitivity to dairy. It allows you to be flexible with your food and beverage choices to manage symptoms. Low- to no-lactose real dairy products like hard cheeses made with California milk, are easy alternatives that allow you to get the benefits of the nutrients in dairy for performance and recovery."





JORDAN MAZUR, MS, RD DIRECTOR OF NUTRITION, SAN FRANCISCO 49ERS

FOR THE RECIPE, HEAD TO: realcaliforniamilk.com/recipes



#### **RECOVERY STRATEGIES: THE 4 R'S**

Taking in nutrition within 30 - 60 minutes after exercise is ideal timing.



Drinking all types of real milk (i.e., chocolate, whole, low-fat, etc.) provides 13 essential nutrients for athletes and is an excellent way to replace fluid lost during exercise, repair, and refuel.<sup>6-8</sup>

# REFUEL muscles with carbohydrates, especially if another game or practice is happening within 8 hours.

- Refuel with carbs by dividing your body weight by 2.
- Example: If you weigh 150 pounds, you need 75 grams of carbs.

# **REHYDRATE** with fluids and electrolytes lost during exercise.

- Weigh yourself before & after exercise a few times per year to learn how much fluid you lose during exercise.
- Drink 3 cups (24 fl. oz.) fluids for every pound of weight lost during exercise.

#### REPAIR and rebuild muscles with around 20–30 grams of highquality protein.

 If you have a low appetite after exercise, a liquid option may be best.

## **REST** and get more sleep.

- Aim for 8–10 hours each night.
- Athletes who sleep less than 8 hours have
   1.7 times greater risk of injury.<sup>5</sup>



#### **HOW SHOULD I EAT TO COMPETE?**

Piecing all this information together into a sports nutrition game plan that will work for you is easier than you think. Here is a sample eating schedule that you can follow to stay optimally fueled all day.\*



1 cup Oatmeal + 1 cup Blueberries + 1 tbsp. Honey

2 Eggs w/ 2 tsp. Olive Oil (for cooking)

1 cup Low-fat Milk



Total Protein = 28 grams Total Carbs = 80 grams



1 Medium Banana

1 Cheddar Cheese Stick

Total Protein = 7 grams Total Carbs = 30 grams



12:00 PM

Turkey Sandwich: 3 slices Turkey + 1 slice Cheddar Cheese + 1/2 Avocado + 2 slices Whole Wheat Bread

1 Orange, 1 Serving Baby Carrots, 1 Bottle of Water



Total Protein = 35 grams Total Carbs = 63 grams



**PRE-WORKOUT** 3:30 PM

6 oz. Container Flavored Yogurt

1 Bottle (16 fl. oz.) Water

Total Protein = 12 grams Total Carbs = 25 grams



**DURING WORKOUT**† 4:30-6:00 PM

1 Bottle (16 fl. oz.) Water or Sports Drink (20 fl. oz.)

1 Packet Fruit Snacks, Gummies or Gel

Total Protein = 0 grams Total Carbs = 65 grams



POST-WORKOUT 6:15 PM

8 fl. oz. Chocolate Milk

18 Pretzels



Total Protein = 25 grams Total Carbs = 15 grams



**DINNER** 7:00 PM 3 oz. Salmon, 1 cup Brown Rice 1 Salad + 2 tbsp. Salad Dressing

6 Strawberries

Total Protein = 25 grams Total Carbs = 15 grams



1 cup 2% Cottage Cheese + ½ cup Canned Peaches



Total Protein = 24 grams Total Carbs = 20 grams

† If workout or game lasts longer than 60 mins.

#### FROM THE PRO ATHLETIC TRAINER'S CORNER

"Eating to compete with dairy is essential for both health and performance. Growing up on a farm myself, I appreciate the importance of dairy products to a well-balanced nutritional diet. A proper nutritional plan is essential to recover and perform at a high level on and off the field."



DUSTIN LITTLE, ATC, PT, DPT, CSCS HEAD ATHLETIC TRAINER SAN FRANCISCO 49ERS

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