



## The FODMAP Diet: A Diagnostic Tool

A "FODMAP diet" is typically defined as one low in specific carbohydrates (sugars) known to cause intestinal distress, called FODMAPs. This diet plan is a test diet intended to help individuals identify which if any, foods cause symptoms such as gas, bloating, diarrhea, and abdominal pain.

### Not a Long-term Diet

It is important to realize that the low-FODMAP diet is NOT meant to be a long-term diet. It is very restrictive and would be impossible and unhealthy to follow indefinitely. Rather, this diagnostic process determines what foods may be troublesome.

### Understanding FODMAPs

FODMAP stands for Fermentable Oligosaccharides, Disaccharides, Monosaccharides, and Polyols. These are short-chain carbohydrates that are poorly absorbed in the small intestine and can ferment, leading to gas and discomfort. Some people experience digestive distress after eating them. Symptoms include

- Crampy Abdominal Pain
- Diarrhea
- Constipation
- Stomach Bloating
- Gas and Flatulence



## What Are FODMAPs?

FODMAPs are:

- **Fermentable.** These are all foods that your gut bacteria feed on, converting them to gasses in a chemical process called fermentation.
- **Oligosaccharides.** These soluble plant fibers, known as prebiotics, feed the beneficial bacteria in your gut. Oligosaccharides include onions, garlic, beans/lentils, and wheat products. Sensitivity to oligosaccharides may help explain some cases of non-celiac gluten sensitivity. Since gluten-free grains are lower in fermentable sugars than grains that have gluten, some people who think they are sensitive to gluten may be sensitive to the oligosaccharides in wheat products.
- **Disaccharides.** Lactose is the fermentable sugar in dairy and human milk in this group. Lactose intolerance is one of the most common food intolerances worldwide.
- **Monosaccharides.** Fructose, the sugar in fruit, is the fermentable sugar in this group. However, not all fruits are affected in certain quantities and proportions.
- **Polyols.** These are sugar alcohols commonly used as artificial sweeteners. They are also found naturally in some fruits.

## Who Should Try the Low FODMAP Diet?

First, see your doctor. If you have chronic digestive symptoms, it is important to first see a physician for a consultation and examination to exclude a serious illness or condition. Only a qualified doctor can make that determination and suggest a treatment plan.

The diet is primarily recommended for individuals with IBS. IBS is more common than most people realize, affecting about 1 in 7 adults. The low FODMAP diet - developed by Monash University in Australia – was designed to reduce symptoms of IBS. Research has found that it is helpful in about 75% of those affected.

It's important to note that the low FODMAP diet is not a weight loss plan and should be followed under the guidance of a healthcare professional to ensure

nutritional needs are met. This is especially important for underweight individuals or those with other health conditions.

### **How Does the Low FODMAP Diet Work?**

Low FODMAP is a three-step elimination diet:

- First, you stop eating certain foods (high FODMAP foods).
- Next, you slowly reintroduce them to see which ones are troublesome.
- Once you identify the foods that cause symptoms, you can avoid or limit them while enjoying everything else worry-free.

### **The Three Phases**

1. **Elimination Phase:** This initial phase involves removing high FODMAP foods from the diet for a period of 2-6 weeks. This step is crucial for identifying which specific carbohydrates cause discomfort. Common high FODMAP foods include dairy products with lactose, wheat-based products, fruits like apples and pears, and vegetables like onions and garlic. During this phase, it's important to monitor symptoms closely to see if there is any improvement in digestive health. If there's no improvement, the diet is abandoned.
2. **Reintroduction Phase:** If the Elimination Phase seems helpful, patients are asked to move on to the Reintroduction Phase. In this phase, high FODMAP foods are gradually reintroduced into the diet. Patients are advised to bring back foods one at a time at a rate of one item per week. They might discover that they are sensitive to only one or two FODMAP carbs, not all of them. This process helps in pinpointing the specific foods that trigger symptoms. It's essential to reintroduce one food at a time and monitor reactions to understand personal tolerance levels. The patient should carefully document progress in a daily food diary. This phase is critical for identifying which foods can be included in the diet and in what quantities.
3. **Personalization Phase:** A long-term diet plan is formulated based on the Reintroduction phase observations. This personalized diet includes low-FODMAP foods and reintroduces tolerable high-FODMAP foods in

moderation. The goal is to maintain a balanced diet while managing symptoms, ensuring that nutritional needs are met, and the diet remains varied and enjoyable.

## **Foods to Eat and Avoid on a Low FODMAP Diet**

Low FODMAP Foods: These include dairy alternatives like almond milk, proteins such as eggs and meat, grains like rice and quinoa, and fruits and vegetables like oranges, grapes, carrots, and potatoes. Meals should be based on foods such as:

- Eggs and meat
- Certain cheeses, such as brie, Camembert, cheddar, and feta
- Almond milk
- Grains like rice, quinoa and oats
- Vegetables like eggplant, potatoes, tomatoes, cucumbers and zucchini
- Fruits such as grapes, oranges, strawberries, blueberries and pineapple

These foods are less likely to cause digestive issues and can form the basis of a balanced diet.

### High FODMAP Foods to Avoid:

It's essential to avoid high FODMAP foods that aggravate the gut, including:

- Dairy-based milk, yogurt, and ice cream
- Wheat-based products such as cereal, bread and crackers
- Beans and lentils
- Some vegetables, such as artichokes, asparagus, onions and garlic
- Some fruits such as apples, cherries, pears, and peaches

Avoiding these foods during the Elimination Phase can help identify triggers and improve symptoms.

## **Preparation and Commitment Are Key**

Before starting, it's crucial to clear your pantry of high-FODMAP foods and plan your meals. Committing fully to the diet is essential for it to be effective. Keeping a food diary during this time can help track symptoms and food intake.

## **Duration:**

The Elimination Phase should last no more than six weeks to prevent nutritional deficiencies. The Reintroduction and Personalization phases vary based on individual tolerance and reactions. It's important to approach these phases methodically to identify food triggers accurately.

## **Helpful Resources**

### [Monash FODMAP App](#)

Researchers at [Monash University](#) were the ones who first developed the low FODMAP diet. They have constructed a corresponding smartphone and iPad app to assist with the diet. A copy of the app can be downloaded from the iPhone App Store for a one-time fee. There are also Google and Android versions available.

### [Color Guide \(attached below\)](#)

## **What If It Doesn't Work For Me?**

Since it's an experiment, it might not succeed. But you can try it safely for up to 6 weeks. For those with IBS, the low-FODMAP diet has a high projected success rate; however, up to 25% of individuals may not benefit. Research on the other illnesses is more limited, although there is reason to think that it could help manage symptoms in SIBO, IBD, and functional dyspepsia instances. If it doesn't work out, you can still attempt other types of elimination diets, testing, and therapies under your doctor's care.

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DISCLAIMER: The purpose of this website is to provide general information. The information on this website does NOT reflect definitive medical advice, and self-diagnoses should not be made based on information obtained online. It is important to consult a physician for a consultation and examination regarding ANY and ALL symptoms or signs as they may signify a serious illness or condition. A qualified doctor should only make an accurate diagnosis and treatment plan to exclude a serious condition.

## Low FODMAP Food Chart

Low FODMAP	High FODMAP
<b>Vegetables and Legumes</b>	
<p>Bamboo shoots            Bean sprouts            Broccoli (3/4 cup)            Cabbage, common and red (3/4 cup)            Carrots            Celery (less than 2 inch stalk)            Chick peas (1/4 cup max)            Corn (1/2 cob max)            Courgette / Zucchini (65g)            Cucumber            Eggplant (1 cup)            Green beans            Green pepper (1/2 cup)            Kale            Lettuce e.g. Butter, iceberg, rocket            Parsnip            Potato            Pumpkin            Red peppers            Scallions / spring onions (green part)            Squash            Sweet potato (1/2 cup)            Tomatoes (1 small)            Turnip (1/2 turnip)</p>	<p>Garlic            Onions            Aparagus            Beans e.g. black, broad, kidney, lima, soya            Cauliflower            Cabbage, savoy            Mange tout            Mushrooms            Peas            Scallions / spring onions (white part)</p>
<b>Fruit</b>	
<p>Bananas, unripe (1 medium)            Blueberries (1/4 cup)            Cantaloupe (3/4 cup)            Cranberry            Clementine            Grapes            Melons e.g. Honeydew, Galia (1/2 cup)            Kiwifruit (2 small)            Lemon            Orange            Pineapple            Raspberry (30 berries)            Rhubarb            Strawberry</p>	<p>Apples            Apricot            Avocado            Bananas, ripe            Blackberries            Grapefruit            Mango            Peaches            Pears            Plums            Raisins            Sultanas            Watermelon</p>

## Meat and Substitutes

Beef  
Chicken  
Lamb  
Pork  
Quorn mince  
Cold cuts e.g. Ham and turkey breast

Sausages (check ingredients)  
Processed meat (check ingredients)

## Breads, Cereals, Grains and Pasta

Oats  
Quinoa  
Gluten free foods e.g. breads, pasta  
Savory biscuits  
Buckwheat  
Chips / crisps (plain)  
Cornflour  
Oatmeal (1/2 cup max)  
Popcorn  
Pretzels  
Rice e.g. Basmati, brown, white  
Tortilla chips

Barley  
Bran  
Cous cous  
Gnocchi  
Granola  
Muesli  
Muffins  
Rye  
Semolina  
Spelt  
Wheat foods e.g. Bread, cereal, pasta

## Nuts and Seeds

Almonds (max of 10)  
Chestnuts  
Hazelnuts  
Macademia nuts  
Peanuts  
Pecans (10 halves)  
Poppy seeds  
Pumpkin seeds  
Sesame seeds  
Sunflower seeds  
Walnuts

Cashews  
Pistachio

## Milk

Almond milk  
Coconut milk (125ml)  
Hemp milk (125ml)  
Lactose free milk  
Oat milk (30ml max)  
Rice milk  
Soya milk made with soy protein

Cow milk  
Goat milk  
Sheep's milk  
Soy milk made with soy beans

## Dairy and Eggs

Butter  
Dark chocolate (5 squares)  
Eggs  
Milk chocolate (4 squares max)  
White chocolate (3 squares max)

Buttermilk  
Cream  
Custard  
Greek yoghurt  
Ice cream  
Sour cream (over 2tbsp)  
Yoghurt

## Cheese

Brie  
Camembert  
Cheddar  
Cottage cheese  
Feta  
Mozzarella  
Parmesan  
Swiss

Cream cheese (over 2tbsp)  
Ricotta cheese

## Condiments

Barbeque sauce (check ingredients)  
Chutney (1 tbsp max)  
Garlic infused oil  
Golden syrup (1 tsp)  
Strawberry and raspberry jam / jelly  
Mayonnaise  
Mustard  
Soy sauce  
Tomato sauce

Hommus dip  
Jam (mixed berries)  
Pasta sauce (cream based)  
Relish  
Tzatziki dip

## Sweeteners

Aspartame  
Acesulfame K  
Glucose  
Saccharine  
Stevia  
Sucralose  
Sugar / sucrose

Agave  
High Fructose Corn Syrup (HFCS)  
Honey  
Inulin  
Isomalt  
Maltitol  
Mannitol  
Sorbitol  
Xylitol

## Drinks

Beer (one max)  
Coffee, black  
Drinking chocolate powder  
Herbal tea (weak) Orange  
juice (4 oz max)  
Peppermint tea  
Water  
Wine (one max)

Apple juice  
Pear juice  
Mango juice  
Sodas with HFCS  
Fennel tea  
Herbal tea (strong)