



# IMMUNE SWEET

**Xylitol and Beta Glucan!  
What a combination!**

## WHY IMMUNE SWEET IS IMPORTANT FOR THE IMMUNE SYSTEM

### Our Immune Health

Our immune system holds the key to the body's health. It protects the body against viruses, bacteria, fungi, parasites, etc. It is a miraculous complex network of organs that contain cells that recognize & destroy foreign invaders. Some individuals, because of age, chronic infection, poor nutrition, stress, unhealthy lifestyle, or environmental toxins have a compromised immune system. They are susceptible to all of the following problems: arthritis; reduced wound healing capacity; reduced bone marrow proliferation with resulting lowered white cell counts and anemia; increased incidence of cancers; and increased incidence of viral, fungal, and bacterial infection; periodontal disease and obesity.

The 21<sup>st</sup> century is suffering at the hands of environmental pollution, chemical abuse, and unbalanced nutrition with our high sugar diets. This has led to a decline in the effectiveness of the human immune system which in turn, has deteriorated the over all human health condition, including oral health. In order to prevent human health conditions from deteriorating any further, we have dedicated 20 years worth of research to create bio-advanced products, including this product, **Immune Sweet**, which is derived from Xylitol and a patented Beta Glucan 1,3 1,6 from edible mushrooms.

- This product is high in biodegradable glucose polymer.
- It cannot generate heat or energy to cause obesity, nor tooth decay or gum disease.
- This product has NO negative side effects.
- It can enhance the quality and flavor of food.
- It can reduce the negative side effects of food components such as caffeine, sugar and fatty acids.
- It boosts the immune system while killing the bacteria that causes dental problems.

### What is Xylitol?

**Xylitol** is a low glycemic natural sweetener. Xylitol is also called "wood sugar" or "sugar alcohol" and is most often manufactured from corn and birch trees, but can also be found in other natural xylan rich sources including "mushrooms" (*\*remember this for later in this article*), straw, fruits, vegetables, cereals and corn cobs. It is a substance that is metabolized by the body independently of insulin and has been found safe for use by those with diabetes.

### What is sugar alcohol?

Sugar alcohols, also know as "polyols", which are ingredients used as sweeteners and bulking agents. They occur naturally in foods and come from plant products such as fruits and berries. As a sugar substitute, they provide fewer calories (about 1/2 to 1/3 less calories) than regular sugar. This is because they are converted to glucose more slowly, require little or no insulin to be metabolized and don't cause sudden increases in blood sugar. This makes them popular among individuals with diabetes; however, their use is becoming more common by just about everyone. You may be consuming them and not even know it.

Common "sugar alcohols" include mannitol, sorbitol, & **xylitol**. Food products labeled "sugar-free," including hard candies, cookies, chewing gums, soft drinks and throat lozenges often contain one of these so called "sugar alcohols". They are also frequently used in toothpaste and mouthwash too.

### **How does Xylitol prevent periodontal disease and other more serious health challenges?**

Xylitol is a dentists dream since it reverses all the destructive effects that "sugars" have on dental health. The effects of sugars on oral health are known to cause tooth decay, gingivitis and the more severe gum infection periodontitis. Xylitol is non-fermentable, unlike sugar, and therefore cannot be converted to acids by oral bacteria, which then helps to keep the proper acid/alkaline balance in the mouth.

As we all know, gum disease can lead to not only the loss of our teeth but also lead to other more serious health challenges including the increased risk of stroke, heart attack, infections of the heart and arteries, and increased incidents of low birth weight or pre-mature babies to name a few.

Periodontal disease is caused by bacteria, and sugary deposits on teeth and gums permit as well as enhance the growth of bacteria that cause the inflammation of the gums. On going bacterial infections, which cause gingivitis and periodontal disease, can also cause low grade bacterial infections which then over burdens the immune system. Xylitol helps to keep an alkaline balance in the mouth making it an "in-hospitable" environment to all of the destructive bacteria especially one of the worst, Streptococcus mutans. Long term use of Xylitol has been shown to suppress the most harmful strains of oral bacteria, making long lasting and positive changes to those bacterial communities.

### **What is Beta Glucan?**

IT IS A NATURAL, NON-TOXIC, NON-SPECIFIC IMMUNE RESPONSE ENHANCER AND MODULATOR - Glucan's are "sugar" like molecules found in every living thing from the smallest blade of grass to an elephant. There are many different types of Beta Glucan's found to date. Immunologists have known of the benefits of Beta Glucan and its effectiveness as well as how it can enhance the immune system of people. The Beta Glucan found in Immune Sweet is derived from edible mushrooms.

Taking Beta Glucan is important as it helps to keep host resistance and detoxification mechanisms at optimal levels. Individuals with compromised immune systems can benefit greatly, healthy individuals can benefit as well with occasional use, or by those who take it daily just wishing to improve their resistance and offset the daily toll stress takes on the body's immune system. Beta Glucan is great for any one, but especially beneficial for families with small children.

## **Sugar v.s Immune Sweet**

<b>Sugar</b>	<b>Immune Sweet</b>
May lead to insomnia	A Natural Sugar
Encourages infections	Encourages good bacteria in the mouth and colon
Decreases memory function	Helps to prevent dental cavities
Causes lethargy in some people	Prevents "acidity" in the stomach
Encourages Candida Albicans	Freshens breath naturally - while killing harmful bacteria
May cause Diabetes	Does not destabilize blood sugar levels
In some it causes hyper-activity	Occurs naturally in fruits, vegetables & birch trees
Possible link to ulcers and stomach cancer	Safe & Healthy, Immune boosting
Causes weight gain	Used as a slimming aide
	Approved 100% safe by regulatory agencies



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