



### What is a “Plant Defense Activator”?

Plants have a natural, built-in defensive system for combating environmental stresses brought on by disease, insects, drought or other weather extremes. Certain molecules applied to plants can actually activate the plant’s built-in defensive system ahead of the actual stress occurrence.

Inducing the plant to activate its own complex defensive system is called **Systemic Acquired Resistance** or abbreviated: “**SAR**”.

### How does AXON work?

- **Phytoalexins**
- **Plant “Anti-bodies”**

AXON activates the immune system by stimulating receptors on the leaf that cause the plant to react as if it is under fungal attack. Administering AXON begins a cascade of events which heighten the cellular immune response. It stimulates the production of **phytoalexins** that bolsters the plant’s immune system.

### Is AXON a fungicide?

**NO.** As a result of nutritional action of the propriety formula of mineral and certain amino acid combination, AXON works by nutritionally increasing the plant’s own self defense system.

But AXON is often used in association with fungicides and acts as an adjuvant, increasing the fungicide’s performance and value.

### Non-Plant Food Ingredients

- **Oligosaccharides**
- **L-amino acids**
- **Kelp extracts**

The Non-Plant Food ingredients consist primarily of L-amino acids. Plants use energy to synthesize their own amino acids. Direct application of amino acids in the L form results in a net energy savings that can then be channeled to other essential process such as photosynthesis and root growth. Oligosaccharides act as chemical messengers to signal the plant of an impending fungal attack and gives time to bolster its defenses. Kelp extracts contain natural hormones affecting root growth and tillering.

### Biological Effectiveness

- **Resistance Induction**
- **Defense Induction**

AXON represents a new wave of nutritional management for plants. In the past basic nutrients such as, NPK and micronutrients, have addressed only the mineral nutrition of the plant. AXON’s unique mineral and biological make-up not only nourishes, but also provides biologically active molecules that target plant defense.

### GUARANTEED ANALYSIS 0-0-6 + 1.4% Iron

Soluble Potash (K2O).....6.0%  
 Iron (Fe).....1.4%  
     Chelated Iron (Fe).....1.4%  
 Derived from: Potassium Acetate, Iron Sulfate,  
 Kelp Extracts from *Ascophylum nodosum*, Black-  
 strap cane molasses, citric acid chelating agent.

Non-Plant Food Ingredients:  
 Humic Acids derived from Leonardite.....3.0%  
 L-Amino Acids derived from: (alanine, arginine,  
 aspartic acid,cysteine, glutamic acid, glycine,  
 histidine, Isoleucine, leucine, lysine methionine,  
 phenylalanine, proline, serine, threonine,  
 tryptophan tyrosine and valine).....1.0%  
 Oligosaccharides from: kelp extracts.....0.05%

When used according to directions and in a repetitive program, AXON will enhance plant vigor and induce plants to activate its own self defense system.

### Directions for Use

Use in minimum of 25 gallons of water and a maximum of 250 gallons of water per acre. For best results, use AXON as part of each spray program. AXON is tank-mix compatible with copper and most other commonly used fungicides.

**Tees & Greens:** 3-6 oz. per 1,000 sq. ft. Apply every 7-21 days.

**Fairways and Athletic Fields:** 2½ gallon per acre every 7-21 days.

**Grow-in, Renovation, & Overseeding:** 6 oz. per 1,000 sq. ft. Apply 3 days after seeding or sprigging, and thereafter every 7 days until turf is established.

