



# **InnoAg** *PepRrhiza250* & **InnoAg** *PepRrhiza500*

## Boost Soil and Plant Vigor with Mycorrhiza & Peptides

### Healthy Soils for Crop Growth & Productivity

According to the World Wildlife Fund (WWF), soil is the earth's fragile skin that anchors all life on Earth. It is comprised of countless species that create a dynamic and complex ecosystem and is among the most precious resources to humans. Healthy soils are a key factor for sustainable development and food security. Industrialization, mining, deforestation, urbanization, climate change and modern agriculture, with the constant overuse of synthetic fertilizers and chemical pesticides, have seriously affected soil health.

The question arises how to not only maintain, but to improve soil health to ensure optimum crop growth and productivity?

That's where **InnoAg PepRrhiza** comes in.



### Introducing **InnoAg** *PepRrhiza*

**Primary BioAg Innovations™ (PBI)** is proud to introduce **InnoAg PepRrhiza**, a product that supports plant and soil health by combining two powerful technologies: **Mycorrhiza Fungi** and **Peptides**. Mycorrhizal fungi form a symbiotic relationship with plant roots. The mycorrhizal mycelia are much finer and smaller in diameter than roots and root hairs, increasing the surface area of the roots 100 to 1,000 times, thereby greatly improving the ability of the plant to access soil resources. Mycorrhizal fungi increase nutrient uptake not only by increasing the surface absorbing area of the roots, but also by releasing powerful enzymes into the soil that dissolve hard-to-capture-nutrients, such as organic nitrogen, phosphorus, iron and other "tightly bound" soil nutrients.

Mycorrhiza also improves soil structure by releasing Glomalin into the soil. Glomalin acts as a super glue, helping soil, silt, and clay particles stick to each other and organic matter. This improves drainage and prevents soil erosion.

Paired with peptides, **InnoAg PepRrhiza** increases plant metabolism promoting greater cell growth and reducing stress on plants due to abiotic stresses. These peptides are formed using a proprietary Enzymatic Hydrolysis

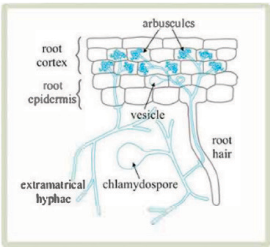
process and they play an important role in plant physiology allowing information exchange between cells in order to regulate growth, development and stress defense actions. Unlike free amino acids, peptides have a more prominent, assured and natural plant nutritional effect, which results in faster growth, deeper roots, lateral root development, and enhanced nutrient uptake.

# Why InnoAg PepRhiza?

## Key Benefits

**InnoAg PepRhiza** supports:

- The growth of root system absorbing surface
- Plant nutrient uptake
- Plant resistance to transplantation, drought, salinity, and other stresses
- Glomalin production, which improves soil structure



## Application & Dosage Rates

### CROP STAGES & PRODUCTS

Germination	Vegetative	Flowering	Fruiting
InnoAg Pro (Adjuvant)			
InnoAg More	InnoAg More	InnoAg Gro	InnoAg Gro
InnoAg Gro	InnoAg Gro	InnoAg PepRhiza	InnoAg PepRhiza
InnoAg PepRhiza	InnoAg PepRhiza	InnoAg Push	InnoAg Start
	InnoAg Push	InnoAg Start	InnoAg Harvest
	InnoAg Start		

Below: Benefits of InnoAg PepRhiza Throughout Crop Life Cycle

Improves root systems

Improves nutrient uptake

Improves resistance to abiotic stress

Improves soil structure

Product	Dosages & Usage	Time of Application
InnoAg PepRhiza 500	<b>Crops</b> Vegetables (field or greenhouse) Orchards (root drench) Turf Substrate <b>Recommended Rates</b> 0.5 - 1.0 lbs/ac 1.5 lbs/ac 3.0 lbs/ac 13.0 oz/yd <sup>3</sup>	One application at time of transplant. Alternatively, it can be applied via fertigation or root drench anytime throughout the growing season.
InnoAg PepRhiza 250	<b>Crops</b> Vegetables (field or greenhouse) Orchards (root drench) Turf Substrate <b>Recommended Rates</b> 1.0 - 2.0 lbs/ac 3.0 lbs/ac 6.0 lbs/ac 27.0 oz/yd <sup>3</sup>	One application at time of transplant. Alternatively, it can be applied via fertigation or root drench anytime throughout the growing season.

For more specific information on usage, and rates and applications of **InnoAg PepRhiza**, please contact us. Applications may vary depending on the crop conditions and stage.

For more information on how InnoAg PepRhiza can help your crop productivity, please contact [info@bioaginnovations.com](mailto:info@bioaginnovations.com) or visit [bioaginnovations.com](http://bioaginnovations.com)

Primary BioAg Innovations™ is an agricultural company with a unique and diverse product portfolio including biofertilizers, bionutritionals and biopesticides with a very selective soft chemistry approach. We believe growers need to be equipped with the latest innovations in agricultural products that are differentiated and supported by science. We understand that both biologicals and synthetic chemical based ag products are equally important to our customers. We believe in an integrated approach that yields results to our customers. InnoAg PepRhiza is a trademark of Primary BioAg Innovations™.

PRIMARY BIOAG INNOVATIONS™ warrants that the product conforms to its chemical description and the intended use of the product is reasonable for the purposes stated on the label when used in accordance with directions under normal conditions of use. PRIMARY BIOAG INNOVATIONS™ shall not be liable for crop injury, ineffectiveness, or any other harm or unintended consequences that may result because of factors such as weather conditions, presence of other material, manner of use or application, or any other cause which is beyond the control of PRIMARY BIOAG INNOVATIONS™. In no case shall PRIMARY BIOAG INNOVATIONS™ be liable for consequential, special or indirect damages resulting from the use or handling of this product. PRIMARY BIOAG INNOVATIONS™ makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

