



# THE VALUE-ADDED COMBINATION

## P PLANT

Nutrients and water are essential components for effective plant growth. By adding biological active ingredients, such as beneficial mycorrhizae and *Bacillus*, the early accessibility and efficient use of nutrients and water help plants reach optimum crop growth and yield.

## ACTIVE INGREDIENTS WORK TOGETHER TO ENHANCE PLANT PERFORMANCE, QUALITY AND YIELD

Backed by more than 35 years of expertise in biological active ingredients, Premier Tech masters a unique large-scale manufacturing process in aseptic laboratories that meets the highest quality control standards allowing you to fully benefit from the added value integrated into PRO-MIX®. Proven consistency of viable spores, no contamination and reliable active ingredients. It's how we make a difference.

Learn more



UNTREATED

WITH PREMIER TECH TECHNOLOGIES

M

## MYCORRHIZAE +

B

## BACILLUS

=

## + BIOFUNGICIDE™ MYCORRHIZAE™

PTB297 Technology, *Glomus intraradices*

Mycorrhizae are beneficial associations between a mycorrhizal fungus and roots. Mycorrhizal spores germinate in the growing medium and produce filaments (hyphae) which will enter into root cells. This association will allow the formation of an intra and extra-radical network of filaments that will explore the soil and access more nutrients and water, and transfer them to the plant.

- ✓ EXPAND ROOT SYSTEM GROWTH
- ✓ ENHANCE NUTRIENT & WATER UPTAKE
- ✓ INCREASE TOLERANCE TO STRESSES
- ✓ REDUCE TRANSPLANT SHOCK

PTB180 Technology, *Bacillus pumilus*

*Bacillus* is bacterium that produces an antibiotic which helps suppress root rot diseases caused by *Fusarium*, *Pythium* and *Rhizoctonia*. It also secretes biostimulant molecules (auxins) to form a biofilm around the root system that ensures protection and induces the proliferation of the root hairs to favor the absorption of nutrients and water.

- ✓ ACCELERATES SEED GERMINATION & PLANT ESTABLISHMENT
- ✓ REDUCES NEED FOR FUNGICIDE DRENCHES
- ✓ STRENGTHENS PLANT DISEASE RESISTANCE

**ENHANCE**

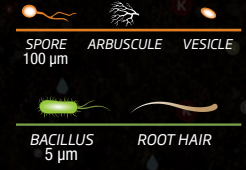
The use of fertilizer and water. Increase resistance to stresses. Improve plant strength and productivity. Optimize plant growth rate and uniformity.

**PROTECT**

By reducing incidence of plant root diseases (*Fusarium*, *Pythium* and *Rhizoctonia*) and risk of pathogens that develop resistance to chemical fungicides.

**SUPPRESS**

Certain insects, including fungus gnats and thrips that pupate into the growing media, by suppressing their food sources and plant susceptibility.



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