



BIOLOGICAL ACTIVE INGREDIENTS

PREMIER TECH'S EXPERTISE BROUGHT TO YOUR FIELDS

Backed by 35 years of expertise in biological active ingredients, Premier Tech masters a unique large-scale manufacturing process that meets the highest quality control standards, allowing you to fully benefit from the highly effective inoculants of our AGTIV® agricultural product line. For stronger growth through better plant resistance to stresses, higher yields and superior crop quality, you can count on AGTIV®.

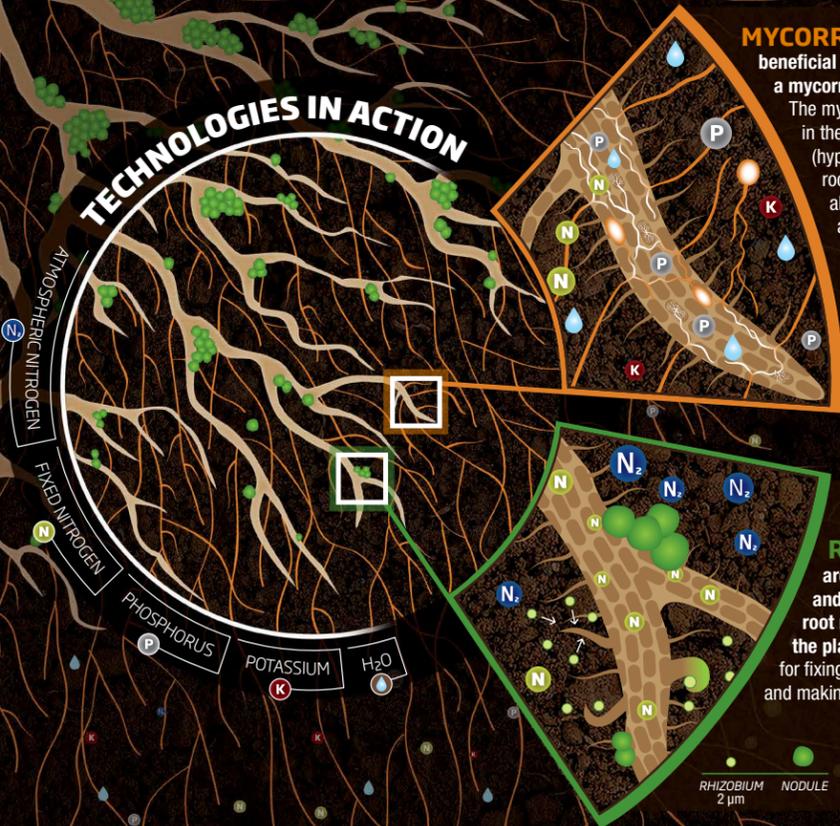
P PLANT

Nutrients and water are essential components for effective plant growth. By adding biological active ingredients, such as beneficial mycorrhizae and rhizobium, an earlier and efficient use of water and nutrients will help plants reach optimum crop yield.



UNTREATED WITH AGTIV®

TECHNOLOGIES IN ACTION



MYCORRHIZAE are beneficial associations between a mycorrhizal fungus and roots. The mycorrhizal spores germinate in the soil 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.

SPORE 100 µm ARBUSCULE VESICLE

RHIZOBIUM are bacteria that live and thrive in symbiosis in root nodules produced by the plant. They are responsible for fixing the atmospheric nitrogen and making it available for the plant.

RHIZOBIUM 2 µm NODULE

M MYCORRHIZAE

ENDOMYCORRHIZAL INOCULUM
PTB297 Technology
Glomus intraradices

Production: An exclusive aseptic production process developed by Premier Tech using standards of the high-technology industry to obtain viable mycorrhizal spores of a consistent high quality.

- ✓ EXPAND ROOT SYSTEM GROWTH
- ✓ ENHANCE NUTRIENT & WATER UPTAKE
- ✓ INCREASE TOLERANCE TO STRESSES
- ✓ IMPROVE SOIL STRUCTURE

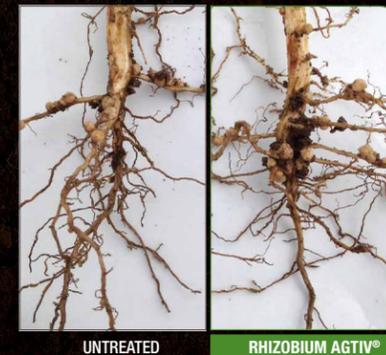


R RHIZOBIUM

RHIZOBIAL INOCULUM
Technologies: PTB160 (pulses), PTB162 (soybean)
Rhizobium leguminosarum biovar *viciae*, *Bradyrhizobium japonicum*

Production: Premier Tech's rhizobia technologies include a specific production process in a sterilized environment as well as a highly-efficient quality control process for superior inoculum.

- ✓ FIX NITROGEN & MAKE IT AVAILABLE TO THE PLANT



TRIPARTITE SYMBIOSIS

is the biological interaction between **MYCORRHIZAE**, **RHIZOBIUM** and the **PLANT**.

By enhancing root system growth and creating a network of filaments, mycorrhizae help plants to uptake more nutrients, such as phosphorus, and increase the nodulation process for the rhizobium.

GET AN EARLY START



REACH MORE NUTRIENTS



PROVEN RESULTS