

PLANT

Nutrients and water are essential components for effective plant growth. Adding biological active ingredients, such as beneficial MYCORRHIZAE, RHIZOBIUM, BACILLUS, and SERENDIPITA, allows an earlier and efficient use of water and nutrients and helps plants reach optimum crop yield.

BIOLOGICAL ACTIVE INGREDIENTS

Backed by more than 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[®].



MYCORRHIZAE

PTB297 Technology, Glomus intraradices

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 extraradical network of filaments that will explore the soil and access more nutrients and water, and transfer them to the plant.

Sexpand Root SYSTEM GROWTH

S ENHANCE NUTRIENT & WATER UPTAKE

✓ INCREASE TOLERANCE TO STRESSES

MPROVE SOIL STRUCTURE

RHIZOBIUM

PTB160 Technology (pulses), Rhizobium leguminosarum biovar viciae

PTB162 Technology (soybean), Bradyrhizobium japonicum Mesorhizobium ciceri (chickpea)

Rhizobium bacteria 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.

SET STATE OF STATE O MAKE IT AVAILABLE TO THE PLANT



BACILLUS

PTB180 Technology, Bacillus pumilus

Bacillus stimulates the plant root system by inducing the proliferation of the root hairs, which favors the absorption of the nutrients. We have selected it for its beneficial action of growth stimulation.

SERENDIPITA

PTB299 Technology, Serendipita indica (formerly known as Piriformospora indica)

The beneficial fungus Serendipita indica, a natural microorganism, forms an association with roots of plants from the Brassicacea family, such as canola. It induces some of the plant gene expression and promotes phytohormone production.

- **INCREASES NUMBER** OF ROOT HAIRS FOR A BETTER NUTRIENTS' ABSORPTION
- ✓ ACCELERATES SEED GERMINATION
- ✓ INCREASES PLANT GROWTH
- **V** PROMOTES EARLY SEED GERMINATION
- S INCREASES CHLOROPHYLL CONTENT
- **SETTER PLANT** ESTABLISHMENT, **GROWTH AND YIELD**

