

ASPERBIO®

BIOLOGICAL FERTILIZER



ASPERBIO®

ASPERBIO contains the beneficial fungi, *Aspergillus niger* EEZ-93, which colonizes the plant root enhancing growth, plant development and tolerance to drought and salinity. ASPERBIO also increases the solubility of nutrients, including phosphate.

ASPERBIO is designed for use ONLY on agricultural crops. Apply ASPERBIO through irrigation system, including drip systems. Follow the Directions for Use to avoid harm to people or the environment. Avoid applying the product during hours of maximum sunlight.

Microbial

Aspergillus niger

Other (Inert) Ingredients



BENEFICIOS

- ✓ Incorporation of secondary metabolites..
- ✓ It contains high concentrations of natural phytohormones (auxins, cytokinins, etc.), carbohydrates, proteins, amino acids, vitamins and minerals.
- ✓ Generator of stimulating biomolecules.

BENEFITS OF ENDOPHYTIC COLONIZATION BY FUNGI

Direct benefits

AND

Indirect benefits

Direct benefits

Nutrient acquisition

N, P, K, Mg, other macronutrients and also micronutrients.

Indirect benefits

Secondary metabolites

Alkaloids, steroids, terpenoids and others including VOCs.

Indirect benefits

Protection to biotic stress (pathogens, herbivores and nematodes)

secondary metabolites, activation of systemic resistance, parasitism and competition.

Direct benefits

Phytohormones Production

IAA, GAs and cytokinins.

Fungal hyphae

Indirect benefits

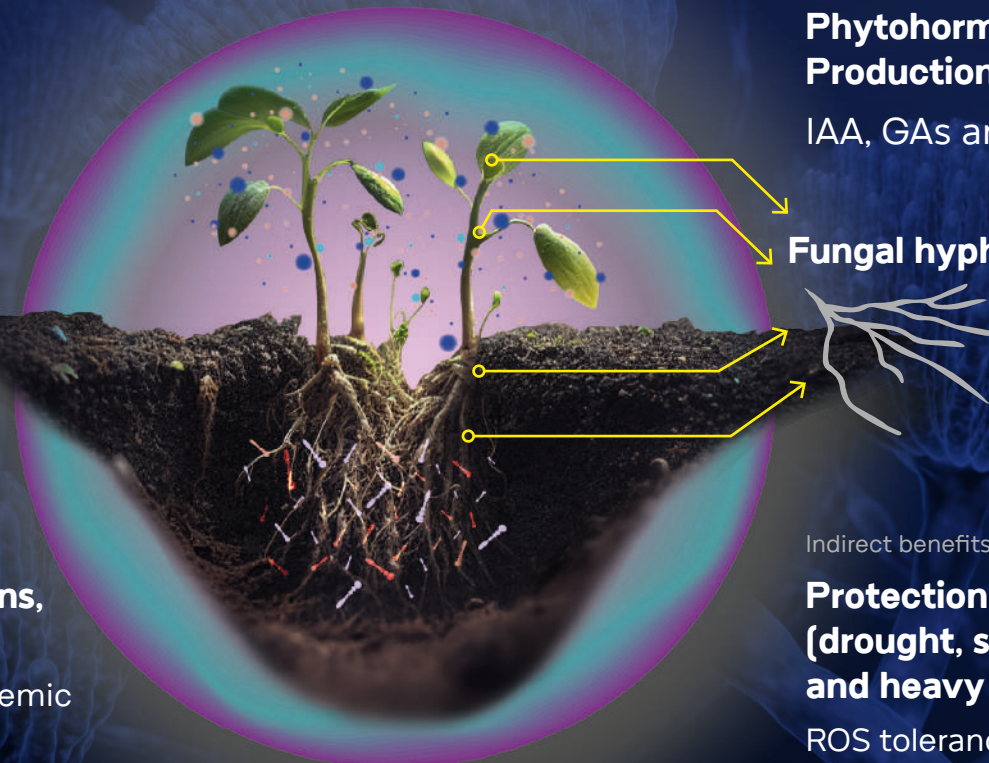
Activation of systemic resistance

ISR and ASR.

Indirect benefits

Protection to abiotic stress (drought, salinity, temperature and heavy metals)

ROS tolerance, lipid peroxidation, electrolyte leakage and regulation of phytohormones.



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