

PREPHYTE™

BROAD-SPECTRUM FUNGICIDE

PREPHYTE™ is an EPA-registered, broad-spectrum biological fungicide with three modes of action to protect against many soil-borne diseases, free-living nematodes and abiotic stresses.

PREPHYTE contains a plant growth-promoting rhizobacteria (PGPR) that activates a plant's defense & immune system, stimulating healthier roots and improved nutrient uptake through anti-fungal and anti-bacterial activity.

Examples of soil-borne diseases PREPHYTE suppresses include:

Damping-off fungus control

- Rhizoctonia spp.
- Phytophthora spp.
- Pythium spp.

Fusarium seedling blight control

- Fusarium spp.

See back page or product label for further information about labeled crops and diseases.

MODES OF ACTION

PREPHYTE and its active ingredient, bacillus amyloliquefaciens strain ENV503, has three modes of action as a broad-spectrum biological fungicide to provide more control and less pesticidal resistance.

1. Forms a protective barrier around the plant's root hairs and leaves, protecting them from invading pathogens.
 - Colonization (Root & Seed)
2. Triggers the plant's systemic resistance to disease (ISR) to more effectively combat stress for prolonged periods of time.
3. Produces metabolites that have antagonistic effects, preventing the growth of soil-borne pathogens.

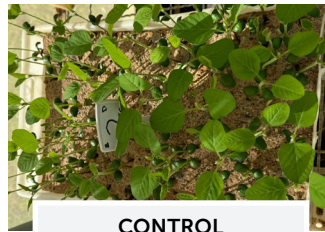
PRODUCT BENEFITS

- Improved control of soil-borne diseases
- Directly attacks pathogens
- Stimulates plants natural defenses
- Promotes plant growth and overall yield
- Forms protective barrier around roots
- No resistance potential

APPLICATION METHODS

PREPHYTE can be used as a planter box application through Meristem's patented BIO-CAPSULE™ delivery system. Please consult the product label for more details.

SOYBEANS:



CONTROL



PREPHYTE

CORN:



CONTROL

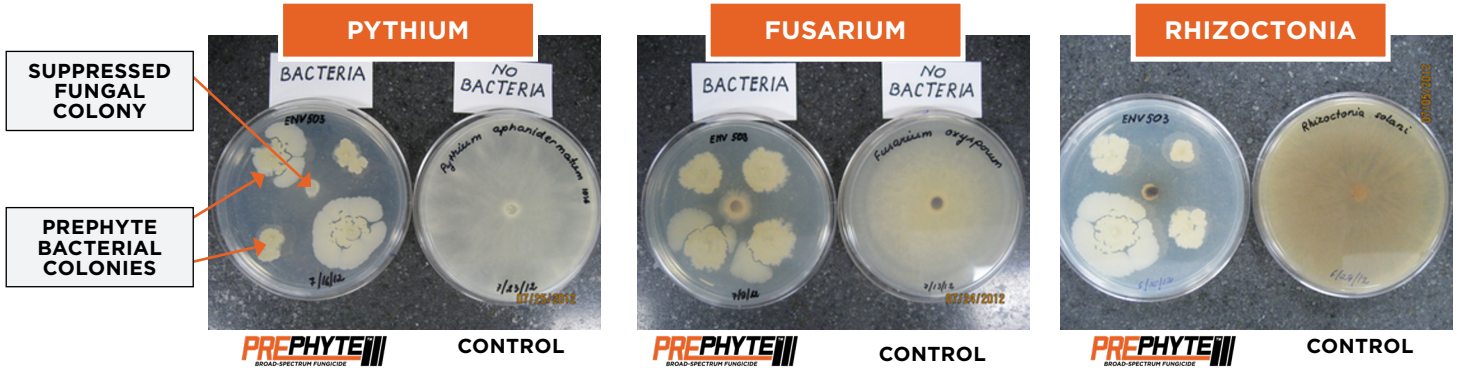


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The plates below demonstrate PREPHYTE's disease suppression. The bacterial metabolites stop the fungal growth.



Crop	Key Pests Labeled for Suppression with PREPHYTE
Berries	Botrytis, Monilinia, Powdery Mildew, Alternaria Leaf spot
Brassica	White Mold, Black Rot, Powdery Mildew, Black Leg, Fusarium Wilt, Lesion Nematode
Cucurbit	Powdery Mildew, Gummy Stem Blight, Fusarium Wilt, Anthracnose, Lesion Nematode
Citrus	Alternaria leaf spot, Melanose, Greasy spot, Anthracnose
Tree Nut	Monilinia blossom blight, Anthracnose, Scab, Alternaria leaf spot
Grapes and Vines	Powdery Mildew, Botrytis bunch rot
Herbs and Spices	Botrytis, Cercospora Leaf Spot, Powdery Mildew, Lesion Nematode
Fruit Veg	Anthracnose, Bacterial Spot and Speck, Fusarium Wilt/Root rot, Lesion Nematode
Leafy Veg	Sclerotinia, Powdery Mildew, Fusarium Wilt, Pythium Root rot, Lesion Nematode
Legumes (Soy)	White Mold, Cercospora Leaf Spot, Pythium Root rot, Soy Rust, Lesion Nematode
Bulb Veg	Botrytis Neck Rot, Bacterial Blight, Alternaria Leaf Spot, Lesion Nematode
Root and Tuber (Potato)	Early Blight, Rhizoctonia, Silver scurf, Black Dot, Lesion Nematode
Tropical and Sub Tropical Fruits	Anthracnose, Botrytis, Monilinia blossom blight, Alternaria leaf spot
Cereal Grains (Corn & Wheat)	Gray leaf spot, Northern corn leaf blight, Rust, Rhizoctonia, Fusarium, and Pythium Damping off, Lesion Nematode
Stalk and Stem Veg	Cercospora leaf blight, Alternaria leaf spot, Target spot, Pythium, Lesion Nematode
Fiber Crops (Cotton)	Fusarium, Pythium, and Rhizoctonia root rot, Bacterial blight, Lesion Nematode
Oilseed Crops (Sunflower & Canola)	White mold, Cercospora leaf spot, Septoria brown spot, Lesion Nematode
Stone and Pome Fruit	Powdery mildew, Apple scab, Botrytis, Sooty Blotch



MERISTEM®

CROP PERFORMANCE

1-833-637-4783 (MERISTEM)
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