RHIZOSPHERE SOLUTIONS

Probiotics for Soil & Plant Health

Technical Information

therapy - IP (Insect Probiotic)

Label:
Contains highly robust probiotic biological pest remediating gram-positive binary fission bacteria consortia.

Bacteria Strains (NON-GMO)

Bacillus thuringiensis

Bacillus popilliae (2 strains)

Bacillus chitinolyticus

Beauveria bassiana

Chitosan

Purpose:
Remediate insects (piercing, sucking, chewing, worms, caterpillars)
Examples: spider mites, aphids, mealy bugs, white fly, thrips, beetles, sod web worms, army worms, cut worms, mole crickets (not adults)

Description:
These strains work in synergy to physically interact with and impede insect cell reproduction. Each bacterium destroys chitin exoskeletons and work to slow down larvae metabolism. Beauveria bassiana is a fungus that enters the pores created during the degrading of the chitin exoskeleton; completing insect remediation.

Promotes:
Insect/Grub/Worm Remediation, Chitinase Production & Remediation, Root Zone Vigor, Soil & Plant Stamina, Root Regeneration, Root Biomass.

CFU:
1 Trillion per 4 ounces

Environmental Tolerances:
UV light (natural/artificial), Temperature Ranges 0º-180º, Extreme Dry Conditions, Extreme Wet Conditions.
pH ranges 3.0-9.5.

Physical Product:
Dry highly water-soluble powder.

Mixing/Storage/Handling:
Adjust water pH to below 9.5. No refrigeration required. No prior culturing required. Shelf life 5 years.
PPE (personal protective equipment) dust mask and gloves.

Compatibility:
Compatible with Pesticides and Fertilizers. Not Compatible with Bio-Sides, Fumigants or High Concentrations of Humic or Fulvic Acids.

EPA EXEMPTION:

Microorganisms exempt from CDR requirements – 40 CFR 725.
*All microbials are considered naturally-derived, non-pathogenic, non-toxic, non-GMO, non-hazardous and non-corrosive.
*All microorganisms are not considered to be pathogenic for livestock or poultry.

RICULTURAL CROPS [FIELD / VEGETABLE / BERRIES / FRUITS / NUTS / VINEYARDS / CITRUS / SUGAR CANE / SOD] • TURF [GOLF COURSE / COMMERCIAL / RESIDENTIAL / SPORTS FIELDS] • ORNAMENTALS [COMMERCIAL / RESIDENTIAL / NURSERY / GREENHOUSE / TREE] • COMPOST • MANURE • ARTIFICIAL MEDIA • GOVERNMENT • AGRICULTURAL CROPS [FIELD / VEGETABLE / BERRIES / FRUITS / NUTS / VINEYARDS / CITRUS / SUGAR CANE / SOD] • TURF [GOLF COURSE / COMMERCIAL / RESIDENTIAL / SPORTS FIELDS] • ORNAMENTALS [COMMERCIAL / RESIDENTIAL / NURSERY / GREENHOUSE / TREE] • COMPOST • MANURE • ARTIFICIAL MEDIA • GOVERNMENT • AGRICULTURAL CROPS [FIELD / VEGETABLE / BERRIES / FRUITS / NUTS / VINEYARDS / CITRUS / SUGAR CANE / SOD] • TURF [GOLF COURSE / COMMERCIAL / RESIDENTIAL / SPORTS FIELDS] • ORNAMENTALS [COMMERCIAL / RESIDENTIAL / NURSERY / GREENHOUSE / TREE] • COMPOST • MANURE • ARTIFICIAL MEDIA • GOVERNMENT • AGRICULTURAL CROPS [FIELD / VEGETABLE / BERRIES / FRUITS / NUTS / VINEYARDS / CITRUS / SUGAR CANE / SOD] • TURF [GOLF COURSE / COMMERCIAL / RESIDENTIAL / SPORTS FIELDS] • ORNAMENTALS [COMMERCIAL / RESIDENTIAL / NURSERY / GREENHOUSE / TREE] • COMPOST • MANURE • ARTIFICIAL MEDIA • GOVERNMENT • AGRICULTURAL CROPS [FIELD / VEGETABLE / BERRIES / FRUITS / NUTS / VINEYARDS / CITRUS / SUGAR CANE / SOD] • TURF [GOLF COURSE / COMMERCIAL / RESIDENTIAL / SPORTS FIELDS] • ORNAMENTALS [COMMERCIAL / RESIDENTIAL / NURSERY / GREENHOUSE / TREE] • COMPOST • MANURE • ARTIFICIAL MEDIA • GOVERNMENT • AGRICULTURAL CROPS [FIELD / VEGETABLE / BERRIES / FRUITS / NUTS / VINEYARDS / CITRUS / SUGAR CANE