RHIZOSPHERE SOLUTIONS

Probiotics for Soil & Plant Health

Technical Information

therapy - SP (Soil Probiotic)

Label:
Contains highly robust probiotic soil remediating and soil restoring gram-positive binary fission bacteria consortia.

Bacteria Strains (NON-GMO)

Bacillus licheniformis

Bacillus amyloliquefaciens

Bacillus megaterium

Bacillus methylotrophicus (2 strains)

Purpose:
Remediate soil rhizosphere, restore soil bio-ecosystem, stabilize and balance soil bacteria, improve soil mineralization, improve soil porosity, improve soil tilth, improve soil nutrient processing, decompose thatch, solubilize phosphorus, solubilize calcium, salt remediation, chloride remediation.

Description:
These strains are very good soil mineralizers and soil health bacteria. They displace bad bacteria populations in the rhizosphere with good ones. They release both mono and di-valent ions from the soil into a form for plant uptake. These bacteria assist in decomposing harmful organic compounds and thatch.

Promotes:
Nutrient Uptake, Soil Mineralization, Nitrogen Availability, Plant Usable Organic Matter, Photosynthesis, Primary & Secondary Roots, Soil & Plant Biomass, Phosphorus Availability, Calcium Availability, Soil & Plant Stamina, Root Zone Vigor, Breakdown of Organic Contaminates, Reduction of Salts and Chlorides, Soil Porosity, Tilth

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