

PHC[®] Ecto Spore Spray

PHC[®] Ecto Spore Spray is designed for use with overhead spray equipment and is formulated for use on Pine, Spruce, Hemlock, Fir, Larch, Cypress, Cedar, Oak, Beech, Birch, Hickory, Pecan, Willow, Eucalyptus, Chesnut, Basswood and all other mycorrhizal tree species. This sprayable inoculant contains millions of ectomycorrhizal spores, beneficial rhizosphere bacteria, yucca extract, seakelp and other microbial nutrients to establish a healthy colonization of the root zone by these organisms.

PHC[®] Ecto Spore Spray:

- Improves absorption of water and minerals from the soil
- Introduces beneficial mycorrhizal fungi and bacteria
- Increases endurance and growth of difficult-to grow plants
- Helps plants mitigate adverse environmental stresses such as drought, salinity, and extremes of soil pH

DIRECTIONS FOR USE

For best results, slowly add water to the spores in the container and mix the powder-like spores into a thin paste. Pour and rinse all the paste into the spray tank. Maintain agitation in the tank to prevent gradual settling of the spores. Use adequate quantities (50 to 100 gallons per acre) of water to spray the number of trees intended. Irrigate immediately with water to wash the spores into the tank.

For bare root nursery seedbeds, make two spray applications in opposite directions, each one at half rate. Finally, flush the remaining spores from the spray equipment by applying a third spray with only water. Follow this with adequate irrigation (1/4 to 1/2 inch) to wash the spores into the soil.

APPLICATION RATES

Spore kit size	Maximum number container seedlings	Square feet bare root nursery bed
SK10	10,000	200
SK100	100,000	2,000
SK500	500,000	10,000

COMPATIBILITY

Soil pH: The fungi in this product were chosen based on their ability to survive and colonize plant roots in a broad soil pH range of 3 to 9.

Fungicides: Some fungicides can have a detrimental effect on mycorrhizae. Soil application of any fungicide is not recommended for two weeks before or after seedling treatment. Foliar applications of non systemic fungicides should pose no problems. Systemic fungicides, like Bayleton, should not be used for three weeks before or after product use.

Herbicides and Insecticides: Do not normally interfere with mycorrhizal fungal development.

STORAGE/SHELF LIFE

This product is stable in cool, dry storage conditions. See expiration date on package.

SPRAY APPLIED ECTO-MYCORRHIZAL FUNGAL INOCULANT

GAURANTEED ANALYSIS OF SOIL/PLANT AMENDING INGREDIENTS

MICROBIAL CONTENTS

Ectomycorrhizal Fungi25% (250 Million spores/gram)
 225 Million spores/g *Pisolithus tinctorius*
 25 Million spores/g *Scleroderma citrinum*

RHIZOSPHERE BACTERIA.....72 Million cfu/g

12 Million cfu/g *Paenibacillus azotofixans*
 12 Million cfu/g *Bacillus licheniformis*
 12 Million cfu/g *Bacillus megaterium*
 12 Million cfu/g *Bacillus polymyxa*
 12 Million cfu/g *Bacillus subtilis*
 12 Million cfu/g *Bacillus thuringiensis*

MICROBIAL NUTRIENTS.....58.1%

37.9% Maltodextrin
 8.9% Seaweed Extract (derived from *Ascophyllum nodosum*)
 11.3% Yucca extract (derived from *Yucca schidigera*)

INERT INGREDIENTS.....16.9%

16.9% Humate extract (derived from Leonardite)

HEALTH AND SAFETY INFORMATION

- In case of allergic reaction(s), treat symptoms and contact physician.
- Avoid breathing dust or spray mist.
- Wash hands after handling.
- In case of ingestion, seek medical attention.
- **Keep out of reach of children.**

PACKAGING

SK10, SK100, SK500

TECHNICAL ASSISTANCE

For technical assistance, call 1-800-421-9051



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