

Compete® Plus

Compete Plus is a dry, dispersible rhizosphere inoculant that contains numerous strains of beneficial soil microbes. Rhizobacteria increase the solubility of mineral elements, such as potassium, phosphorus, calcium, etc., fix atmospheric nitrogen, and increase nutrient availability. Plus, certain rhizobacteria help increase mycorrhizal development.

Compete Plus:

- Promotes soil conditions that are favorable to root development
- Colonizes the root zone with beneficial microbial populations
- Breaks down soil organic matter in humus and recycles mineral elements

The microbes in Compete Plus are live proprietary strains selected and packaged by Plant Health Care, Inc. to promote soil fertility. The microbes are added in the form of microbial spores, numbering in the hundreds of billions of CFU's per pound, and include beneficial rhizosphere bacteria, several species of *Bacillus*, the actinomycete *Streptomyces*, as well as beneficial soil fungi of the genus *Trichoderma*. These microbes are formulated with soluble humic acids, yeast extract and seaweed extract to maximize product performance.

VERSATILE MICROBIAL INOCULANT

NOT A PLANT FOOD PRODUCT
CONTAINS NONPLANT FOOD INGREDIENTS

GUARANTEED ANALYSIS OF SOIL AMENDING INGREDIENTS

MICROBIAL CONTENT 311 Million cfu/g

50 Million cfu/g *Bacillus azotofixans*
50 Million cfu/g *Bacillus licheniformis*
50 Million cfu/g *Bacillus megaterium*
50 Million cfu/g *Bacillus polymyxa*
50 Million cfu/g *Bacillus subtilis*
50 Million cfu/g *Bacillus thuringiensis*
1 Million cfu/g *Streptomyces griseoviridis*
10 Million cfu/g *Trichoderma harzianum*

MICROBIAL NUTRIENTS 66%

Maltodextrin 48%
Yeast extract..... 5%
Soluble Seaweed extract
(derived from *Ascophyllum nodosum*)..... 13%

HUMIC ACIDS (derived from Leonardite) 17%

INERT INGREDIENTS 17%

Precipitated silica 8%
Leonardite Extract (other than humic acids)..... 6%
Polyethylene glycol 3%

STORAGE/SHELF LIFE

Store in a dry place away from direct sunlight, and avoid extreme heat or cold. See expiration date on package.

HEALTH AND SAFETY INFORMATION

- Wash hands after handling.
- Avoid contact with eyes or broken skin.
- Wear eye and skin protection when handling bacterial inoculants.
- Do not inhale dust or mist.
- Protect against dust or mist exposure.
- In case of ingestion, seek medical attention.
- In case of allergic reactions, treat symptoms and contact a physician.
- Keep out of reach of children.

DIRECTIONS FOR USE

SEE REVERSE FOR DETAILED DIRECTIONS

PACKAGING

2.5-Lb bag or box (5 x 1/2-Lb packet pairs labeled "C" & "D") See back for detailed directions.

TECHNICAL ASSISTANCE

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

Plant Health Care, Inc.
440 William Pitt Way • Pittsburgh, PA 15238
Tel: (800) 421-9051 • Fax: (412) 826-5445
www.planthealthcare.com

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DIRECTIONS FOR USE

2-Part Packaging: Compete Plus is bagged in two-part packaging. Each combination of one "C" packet and one "D" packet, taken together, comprises one-half pound. Both packets must be mixed in the same tank.

DIRECTIONS FOR USE – LANDSCAPE AND NURSERY:

Mix thoroughly in water and apply as a surface spray or by soil injection. If surface spray is done, follow with irrigation to wash the product into the soil.

For **turf**, apply 1-Lb (two "C" packets and two "D" packets) per 10,000 sq. ft. Thereafter, apply half this rate every 2-3 weeks during the growing season.

For **greenhouse or nursery** applications, mix 1-Lb (two "C" packets and two "D" packets) per 100 gallons.

For **soil injection**, 1/2 -Lb (one "C" packet and one "D" packet) will treat 2,500 sq feet.

DIRECTIONS FOR USE – AGRICULTURE:

Greenhouse Plug Drench Treatment: Mix PHC Compete Plus with water at a rate of 1-Lb (two "C" packets and two "D" packets) per 100-gallons water and adjust travel speed as needed to treat 800 standard flats. Apply as a drench 1 week after seeding and again 7-10 days before shipping to the field.

Plant Water Treatment: Mix with the plant water at a rate of 1-Lb (two "C" packets and two "D" packets) per 100-gallons and apply approximately 3-oz per plant.

Drip Irrigation Treatment: Thoroughly mix PHC Compete Plus with water before pouring it into the head bucket (injector box). Use at least 1-gallon of water for mixing each pound of product. Apply by drip irrigation at a rate of 1/2-Lb (one "C" packet and one "D" packet) per 7260 linear feet of plant bed, or 1.1-oz for each 1000 linear feet. For best results, repeat application throughout the season at 2 to 3 week intervals.

Citrus and Tropical Fruit Tree Program: Drip Irrigation Treatment: Thoroughly mix PHC Compete Plus with water first before pouring it into an agitated mix tank. Apply by drip irrigation at a rate of 1/2-Lb (one "C" packet and one "D" packet) per acre. For best results, repeat application throughout the season at 2 to 3 week intervals.

APPLICATION RATES

TREE/SHRUB CARE RATES

Application	Compete Plus	Water Volume	Method of Application	Coverage
Installations	1/4 pound	15 to 25 gallons	drench or spray soil to saturation	water-in
Maintenance	1/2 pound	50 gallons	Soil inject, drench or spray	2500 square feet
Stress Recovery	1 pound	50 gallons	Soil inject, drench or spray	2500 square feet

ORNAMENTAL PLANTS/POTTED PLANTS

Application	Compete Plus	Water Volume	Method of Application	Coverage
New plantings	1/2 pound	15 to 25 gallons	Drench or spray to soil saturation	Apply 1/4 of pot volume
Maintenance	1/4 pound	15 to 25 gallons	Drench or spray to soil saturation	Apply 1/4 of pot volume

TURFGRASS/GREENS & TEES/ATHLETIC FIELDS

Application	Compete Plus	Water Volume	Method of Application	Coverage
Initial	4 pounds	50 to 100 gallons	Drench or spray to soil saturation	1 acre
Maintenance: Every 2 to 3 weeks during the growing season	2 pounds	50 to 100 gallons	Drench or spray to soil saturation	1 acre

IN-LINE SYSTEMS

Fertigation	Compete Plus	Mix Tank	Dilution Setting	Frequency
Dosatron	1 pound	5 gallons	1:100	After application, rinse water through system

Mixed solution should be used within a 12 hour period.

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