



# DOGGETT'S PROFESSIONAL MYCO BIO PACK

## GUARANTEED ANALYSIS

### SOIL AMENDING INGREDIENTS

#### Active Ingredients

Rhizosphere Bacteria .....	5 Billion cfu/lb
Bacillus pumilus .....	500 Million cfu/lb
Bacillus megaterium .....	500 Million cfu/lb
Bacillus subtilis.....	500 Million cfu/lb
Bacillus licheniformis.....	1750 Million cfu/lb
Bacillus amyloliquefaciens.....	1750 Million cfu/lb

Mycorrhizae Fungi .....	55,065,000 propagules per lb. Total
Endomycorrhizal fungi: .....	(65,000 propagules per lb. Total)
Glomus intraradices, G. mosseae, G. aggregatum, G. etunicatum.....	(35.8 propagules/g each)
Ectomycorrhizal fung.....	(55,000,000 propagules per lb. Total)
Rhizopogon villosulus, R. luteolus, R. amylopogon, R. fulvigleba.....	(1,375 propagules/g each)
Pisolithus tinctorius.....	(110,255 propagules/g)
Scleroderma cepa, S. citrum.....	(2,750 propagules/g each)

Non plant food ingredient; Humates at 50% per total weight

Information regarding the contents and levels of metals in this product is available on the internet at <http://aapfco.org/metals.htm>

## NET WT. 5 x 1 lb. packets/case

**MYCO BIO PACK** is a suspendable powder mycorrhizal inoculum consisting of 4 species of endomycorrhizal fungi and 7 species of ectomycorrhizal fungi.

Approximately 95% of the world's plant species form symbiotic relationships with at least one of these types of symbiotic soil fungi. These beneficial fungi greatly increase the effective rooting area of plants, thereby enhancing plant growth, vigor, and tolerance of environmental extremes.

Myco Bio Pack is a concentrated, fine, suspendable material containing mycorrhizal propagules, which colonize roots and extend into the surrounding soil forming an essential link between plants and soil resources. Increasing the rooting area allows improved access to water and nutrients, promoting plant quality and crop performance.

Myco Bio Pak contains 5 specific Bacillus species that enhance plant growth, protection and soil fertility. These rhizosphere bacteria thrive in the root zone of plants. They promote healthy plant growth and improve soil fertility by decomposing soil components into soluble minerals, making them available to the plant.

Myco Bio Pack combines the mycorrhizae and the beneficial bacteria to be used as a regular maintenance program which will improve soil conditions and plant health.

### DILUTION RATE

<u>Myco Bio Pack</u>	<u>WATER</u>
1 lb.	100 gallons

### APPLICATION

90% of feeder roots are in the top 12 inches of soil with the majority in the first 6 inches. They start well out from the trunk and extend well beyond the dripline in most cases. This is the area to be injected with DOGGETT'S MYCO BIO PACK. Soil injection should be 4 to 6 inches deep using an injector probe at 150 to 200 PSI.

Injection should begin out from the trunk and be spaced 2½ feet apart, injecting on a grid extending beyond the dripline. Apply 150 gallons to each 2,000 square feet. Following the grid method outlined, you should inject approximately 1/2 gallons of fertilizer solution at each point. Based on the 2 ½ ft spacing, this will apply 150 gallons of solution over 2000 square feet.

**TO CALIBRATE** your particular rig and its operator, we suggest you find out how long it takes to inject ½ gallon of solution into a bucket. This will probably take 2 to 4 seconds. Count off the seconds and use this same count and cadence while injecting the probe at each point in the soil.

### TRUNK RATE OF APPLICATION

Use dilution rate as shown in table (1 lb. in 100 gallons of water). Apply the solution at the rate of 5 gallons per inch of trunk diameter

### CROWN SPREAD TECHNIQUE

(concentric circles)  
Inject 150 gallons over 2,000 square feet. Space injection points at 2 ½ sq. ft. intervals, starting well out from the trunk and extending well beyond the dripline in unencumbered soils.

### FIVE GALLONS OF FERTILIZER SOLUTION PER INCH OF TRUNK DIAMETER

Example: Tree Trunk 12" times 5 gallons =60 gallons of solution

### TURF APPLICATION

1 LB. Per 100 gallons over 10,000 sq. ft.

*The manufacturer disclaims all responsibility for damage to plants and equipment through the use of this product whether used in accordance with directions or not.*

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