BTOFURT MICROBE ENRICHED ABSORBENT POLYMER





BIOFURTTM

A K-based super absorbent polymer containing plant nutrients and beneficial micro-organisms. BIOFURTTM acts as a soil conditioner, water and nutrient reservoir.



Slow release-rate function of fertilizers, trace elements and beneficial micro-organisms.



Contains Trichoderma asperellum strains and Glomus spp. Assists in stronger root development and suppresses root pathogen growth.



Acts as a water reservoir, reducing the leaching of fertilizer and nutrients.



Improves plant growth and yield.



Bio-degrading period: 1–5 years, depending on environmental conditions and soil types.







CHARACTERS	
Physical state	
Colour	Cre
Particle size	
рН	
Water retention	
Active ingredient	Potassium polyacrylate Glomus spp. and six Triche
Beneficial organism spore counts	Mycorrhiza (Glo Trichoderma asp
Trace elements	Magnesium, Iron, Z

RESULTS

Powder

eam with Blue particles

0.8µm – 0.2mm

7.2 – 7.7

1g => 125ml

e polymer combined with a mixture of three oderma asperellum strains, and N&P nutrients.

omus) spp.= Min of 200 propagules/g oerellum strains = Min of 1 x 10° CFU/g

inc, Boron, Manganese, Copper, Sulfur.

BIOFURT[™]



ACTION

Protect root system against pathogens like Fusarium, Phytophthora, Rhizoctonia, Pythium etc.

COMPETITION

After

ANTIBIOSIS

After

MYCOPARASITISM

PATHOGENIC FUNGI

PATHOGENS

TRICHODERMA

root pathogens

APPLICATION	DOSAGE RATE	HOW TO APPLY
Granules	2g per liter of planting medium	Mix BIOFURT™ throughout the planting hole. Plant normal way. Irrigate directly after planting to saturate the planting medium.
Pre-wetted gel (slurry)	400-600ml slurry per tree or crop	Mix 1.4 kg of BIOFURT™ in 200 liters (7g or 0.7% per liter) to form slurry. This mixture is sufficient to plant approximately 400 trees.

PREPARATION AND APPLICATION OF SLURRY

Water containing dissolved salts (like lime in borehole water) should be treated with a surfactant before mixing with the product. Soil should be dry to prevent product from forming clods when mixing with the substrate.

INFLUENCE OF BIOFURTTM TREATMENT:

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On the plant and root biomass for Beans

On the plant and root biomass for Maize

МЕІGHT (G/POT)

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On the plant and root biomass for Maize

МЕІGHT (G/POT)

150

100

Control

1/2 x

WEIGHT (G/POT)

On the plant and root biomass for Beans

On the final yield harvested for Beans

On the final yield harvested for Maize

x: Recommended dosage rate

Wet

2x

Yield - Beans

DISCLAIMER:

This information is used with the permission of Evonik **Do not use solutions with high salt content to prepare the product** (High salt concentrations prevents 100% gel formation, and so decreases the product's function)

CAN BE USED IN CONJUNCTION WITH SUPPOSITREE™ OR PLANT'NGO™.

Please contact the manufacturer/distributor for assistance in product preparation and/or application and prior to adding additional fertilizers.

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