

Biofungicide / Biocontrol Agent for Foliar Disease Management

Active Ingredient	: <i>Bacillus subtilis</i>
Formulation Type	: Wettable Powder / Water Dispersible Powder
Minimum Viable Count	: $\geq 1 \times 10^9$ CFU per gram
Mode of Use	: Foliar Spray Application

PRODUCT DESCRIPTION

Rhiota™ is a microbial biofungicide formulated with viable *Bacillus subtilis* for effective foliar disease management. The bacterium colonizes the leaf surface (ghyncap here) and suppresses plant pathogens through natural antibiotic production, competitive exclusion, and enzyme mediated degradation of fungal cell walls.



MECHANISM OF ACTION



Foliar Application



Leaf Surface Colonization



Antibiotic Production



Disease Suppression

APPLICATION & DOSAGE

Dilution Rate	5 g per litre of water
Dosage	1 - 2 kg per acre
Best Application Stage	Early disease stage
Repeat Interval	10 - 15 days

TARGET PATHOGENS: *Fusarium spp.*, *Rhizoctonia spp.*, *Pythium spp.*, *Alternaria spp.*, *Botrytis spp.*, *Sclerotinia spp.*, *Colletotrichum spp.*, *Phytophthora spp.*, and *Cercospora spp.*

TECHNICAL SPECIFICATIONS

Parameter	Specification
Active Microorganism	<i>Bacillus subtilis</i>
Minimum CFU	1×10^9 CFU/g
Moisture Content	$\leq 8 - 10\%$
Contamination	Absent
pH (1% Suspension)	6.0 - 7.5
Shelf Life	12 months

SAFETY INFORMATION



Wear gloves and mask during application



Wash hands after use



Avoid inhaling dust during handling



Keep out of reach of children

KEY BENEFITS



Disease Suppression



Antifungal Activity



Root Zone Colonization



Biofilm Formation



Plant Defense Activation



Growth Promotion



Microbial Balance



Nutrient Uptake

STORAGE & HANDLING



Store below 30°C



Close container tightly after use



Protect from direct Sunlight



Keep in a dry place



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