

ANC ENZYME SOLUTIONS PTE LTD

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Bio-Health-F

(*Trichoderma viride* 1.15% WP)

Bio-Health-F, a talc based biological fungicide contain the conidia and the mycelial fragments of the antagonistic fungus, *Trichoderma viride* @ of 2 x 10⁶ per gm of the product.

Mode of action

- It controls through substrate competition, Antibiosis and Mycoparasitism.
- It is a preventative biological (living) fungicide that attacks disease pathogens before they reach the root system. It starts immediately protecting the delicate root system.
- It also grows on root surfaces and surrounding soil particles and provides prolonged protection.

Crops and Target Pathogen

Crops	Target pathogens	Application Methods	Frequency of application
Eggplant, Potato Chilli, Tomatoes, Cucumbers, Cut and Pot flowers, Orchards, Vineyards Ornamentals in greenhouses; nurseries, lawns and landscape	Pythium spp., Rhizoctonia solani Fusarium spp., Botrytis cinerea, Sclerotium rolfsii, and sclerotinia homoeocarpa.	Green house potting mix or soil drench Suspend Bio-Health-F in sufficient water (500g/100L) to achieve uniform application. Apply at the rate of 200 g per cubic metre (loose) of greenhouse potting mix, soil, or planting beds. Bio-Health-F can be applied through low pressure watering nozzles such as fan nozzles or other watering systems (Drip system) after filtering with filters. Agitate maintain suspension. For best effect, treat potting mix several days before use for seeding or transplants. For bulbs & Ornamental Dip bulbs in Bio-Health-F suspension of 100 g/L prior to planting. Seed Dressing Bio-Cure F@ 5gms per kg of seeds can be used along with the appropriate stickers/wetting agents to coat the seeds	2-3 applications in vegetables, ornamentals and 4-5 applications in lawns and landscape crops are recommended. However, the frequency of applications also depends on the degree of infestation. In the case of high infestation, multiple applications are recommended.

Dosage Blanket recommendation

Soil application 2-3 kg/ha along with any organic fertilizer (without pathogenic contaminants)

Seed treatment @4-5 gm per kg of seeds as per standard wet treatment.

Seedling treatment @ 100 g/L prior to planting

Overdosing cannot cause any harmful side effects.

Methods of Soil Application

The required quantity of Bio-Cure F can be mixed with the jungle soil or organic manure (@2.5 kg of Bio-Cure F with 2000 kgs of jungle soil or organic manure), mix it well heap it under shade, sprinkle water over the heap, cover it with cloth and leave the heap undisturbed for 7 days to get the spores multiplied well. Then mix the contents well and apply it or spread it in a hectare area.

Bio-Health-F- tank mixes compatibility Table

Chemical Name	Formulation	Rate	Dilution
Mancozeb	75.0% WP	0.25 gm	Per litre
Carbendazim	50.0% WP	0.10 gm	Per litre
Copper oxy chloride	88.0% WP	0.25 gm	Per litre

Disclaimer-All suggestions and data presented are based on information and tests that are believed to be accurate and reliable, but are not to be taken as a guarantee, expressed or implied, for which seller assumes legal responsibility. It is recommended that the user carry out their own tests to determine the suitability of the product to his/her process before incorporating the product on a commercial scale. ANC Enzyme Solutions Pte Ltd

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Toxicology

Acute oral in Rats	: Non Toxic and Non-Virulent
Acute oral in mice	: Non Toxic and Non-Virulent
Acute Pulmonary toxicity Rat	: Non Toxic and Non-Virulent
Acute dermal toxicity Rabbit	: Non Toxic and Non-Virulent
Acute intraperitoneal	: Non Toxic and Non-Virulent
Acute oral toxicity study (chicken)	: Non toxic.LD ₅₀ >5000mg/kg/B.wt
Acute oral toxicity study (pigeon)	: Non toxic. LD50>5000mg/kg/B.wt
Primary skin irritation	: Non-irritant
Irritation o mucous membrane	: Non-irritant
Acute toxicity to fresh water fish	: > 200 mg/l
Toxicity to Algae	: does not cause any effect on the growth of Algae.

Benefits

- Ecofriendly and is non-toxic to humans and animals
- Maintain the ecological balance
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- Does not create resistance, resurgence and residues problem.
- Does not affect the natural enemies and offers a long lasting pest control.
- Certified by IMO and EUREPGAP for use in organic agriculture.
- Forms a good molecule for use in IPM programme.

Salient feature

Certified by IMO for use in organic farming
Registered with Central Insecticide Board of India

Shelf Life

Eight months if unopened and if stored at 20^o-25^oC in a cool, dry places.

Packing

5kg, 1 kg, 500gm, 250 gms, 100gms