

ANC ENZYME SOLUTIONS PTE LTD

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ANC Bio-Mildew

(*Ampelomyces quisqualis* 1.15%WP)

ANC Bio-Mildew is a talc based biological fungicide that contain the spores and mycelial fragments (@ 1×10^8 CFU's per gm) of the naturally occurring hyperparasite fungus of powder mildews and downy mildew called *Apelomyces quisqualis*.

Mode of action

It infects and forms pycnidia (fruiting bodies) within powdery mildew hyphae, conidiophores (specialized spore producing hyphae) and cleistothecia (the closed fruiting bodies of powdery mildew and downy mildew).

The mycoparasite directly penetrates the walls of hyphae, conidiophores, and immature cleistothecia, but may be unable to infect mature cleistothecia.

For approximately 7-10 days, the mycoparasite spreads within the hypae of the mildew colony and eventually eliminate it.

Crops	Target Pests	Application Mehods	Frequency of Application
Okra eggplant, Chilli, Tomatoes, Grape vines, Potato, cucumbers, cut flowers, Orchards, Vineyards Ornamentals and greenhouses	Brasilomyces, Erysiphe, Leveillula, Microsphaera, Phyllactinia, podosphaera, Sphaerotheca Uncinula. Powdery mildews which attack 256 plant species within 172 genera in 59 families, and which occur in 28 countries around the world	Foliar spray ANC Bio-Mildew should be applied to plant foliage preventatively, before disease is observed. Apply in sufficient water to ensure uniform coverage. Applications using sufficient water volume to provide thorough and uniform coverage generally provide the most effective disease control.	2-3 applications 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

2.5 kg/hectare in 500 liters of water i.e. 5gm per liter of water. The spray volume depends on the crop canopy.

Preparation of spray solution

Suspend 2.5kg of Bio-Mildew in 500 liters of water. Stir well and applied through low pressure watering nozzles such as fan nozzles or other watering systems (Sprinkler system) after filtering with filter.

Compatibility with pesticides

Fungicides may affect spores and mycelium in Bio-Mildew. Therefore, it must be used with great care. It is recommended to wait minimum 7 days between a Bio-Mildew application and a fungicide treatment. Do not make tank mix of Bio-Mildew with fungicides.

Toxicology

- Acute oral in rats and Non-Virulent : Non Toxic
- Acute oral in Mice and Non-Virulent : Non Toxic
- Acute Pulmonary toxicity Rat and Non-Virulent : Non Toxic
- Acute dermal toxicity Rabbit and Non-Virulent : Non Toxic
- Acute intraperitoneal and Non-Virulent : Non Toxic

- Acute oral toxicity study (chicken) : Non-toxic. LD₅₀ >5000mg/kg/B.wt
- Acute oral toxicity study (pigeon) : Non-toxic. LD₅₀>5000mg/kg/B.wt
- Primary skin irritation : Non-irritant.
- Irritation to mucous membrane : Non-irritant.
- Acute toxicity to fresh water fish : >200mg/l
- Toxicity to Algae : Does not cause any effect on the growth of Algae

Benefits

- Ecofriendly and Maintain the ecological balance
- 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

Shelf Life

Eight months if stored at 20°C-25°C and if unopened

Packing

25Kg HDPE Drum