



May be used in organic  
crop production in  
accordance to the NPOP



**multiplex**®



# METARHIZIUM

*(Metarhizium anisopliae)*



**BIO-PESTICIDE**



*Farmers' first choice since 1974*

# MULTIPLEX METARHIZIUM

(*Metarhizium anisopliae*)

Use of chemical and fertilizers have caused negative impact on environment by affecting soil fertility, water hardness, development of insect resistance, genetic variation in plants, increase in toxic residue through food chain and animal feed thus increasing health problems and many more. This has made it essential to introduce measures which can change the trend. Use of Bio-pesticides and Bio-fertilizers can play a major role in dealing with these issues by using sustainable methods. Metarhizium is a common entamopathogenic fungus that can be used to control a variety of insect pests (particularly soil dwelling and pasture pest). Metarhizium anisopliae produces a number of secondary metabolites acting as mycotoxins (insecticidal toxins), including destruxin E, which is considered as new generation insecticide against many aphid species, moths and larvae.

## MODE OF ACTION

It enters the insects through natural opening such as spiracles (cuticle), mouth parts and pores in the sense organs. Once it enters the insect body, the fungus produces a lateral hyphae, which eventually proliferates and consumes the internal body contents. When the internal contents have been consumed, the fungus breaks through the cuticle and sporulates, which makes the insect appear 'fuzzy'. The Metarhizium anisopliae is categorized as a green muscardine fungus due to the green colour of the sporulating colonies. Multiplex Metarhizium is a product contains spores of Metarhizium anisopliae fungus.

**INSECTS/ PESTS IT CAN CONTROL:** White fly, Aphids, Termites, Mealy-bugs on vegetables, ornamentals, indoor and outdoor plants, nurseries, green houses commercial landscape, turf, etc.

## DIRECTION FOR USE

**Foliar Spray:** Mix 3 g or 1 ml of Multiplex Metarhizium per liter of water and spray on both sides of the leaf.

**Main Field:** Drenching - Mix 10 g or 3 ml of Multiplex Metarhizium per liter of water and apply to the base of the plant.

Soil application - Mix 2 kg or 250 ml of Multiplex Metarhizium with 100 kg Annapurna or FYM and broadcast to one acre.

## BENEFITS OF MULTIPLEX METARHIZIUM

- ♦ It is very useful product to control insect pests
- ♦ Controls Sucking pests, Root grubs, Brown plant hopper etc.
- ♦ Produces residue free food
- ♦ It triggers the natural immunity of the crops

## AVAILABLE PACKAGES

**Powder Form** - 1 kg & 25 kg

**Liquid Form** - 100 ml,  
250 ml, 500 ml & 1 liter.



Manufactured by

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