

BIOARMOR

(NATURE'S DEFENSE AGAINST INSECT PESTS)

INTRODUCTION:

BioArmor is a potent biological insecticide formulated with naturally occurring fungi *Beauveria bassiana*. It is recommended for the control of a wide range of insect pests across various crops, including Roots and tuber vegetables, Bulb vegetables, Leafy vegetables, Fruiting vegetables, Cucurbit vegetables, Citrus, Pome fruits, Stone fruits, Cereals crops, Oilseed crops, Tropical and sub-tropical fruits, as well as Turf and fodder crops.

COMPOSITION:

Component	Content (% w/w)
<i>Beauveria bassiana</i> a.i.	: 1 X 10 ⁸ CFU/g
Adjuvants and inserts	: Q. S.to make

BIOLOGICAL PROPERTIES:

Mode of Action: This product acts by contact. Fungal spores attach to the insect pest, germinate, and penetrate through the insect cuticle. The fungus then grows rapidly with the insect pest, causing mortality. Begin treatment of crops at the first appearance of the insect pest. Typically, it takes 7-10 days after the first spray to see control. Application rates, frequency, spray coverage and insect numbers impact the speed at which desired control is achieved. This product is most effective when used early, before high insect populations develop. Reapply as necessary under a pest management program that includes close scouting. Intense pest outbreaks may require combination of this product with a compatible insecticide.

Recommendations:

Crop	Pests	Doses (ml/ha)	Dilution in water (liters)	PHI (Days)
Roots and tuber vegetables, Bulb vegetables, Leafy vegetables, Fruiting vegetables, Cucurbit vegetables, Citrus, Pome fruits, Stone fruits, Cereals crops, Oilseed crops, Tropical and sub-tropical fruits, Turf and fodder crops.	Two spotted spider mites, Aphids, Foliage feeding lepidoptera, Beetles, Leaf and Plant hoppers, Mealy bugs, Thrips, Weevils, Psyllids and White flies.	1800-2000	500-600	0 days

METHOD OF APPLICATION:

Ground Application (Foliage):

Apply in recommended amount of water to thoroughly cover foliage infested with insects, 500-600 liters of water/ha. Water volume depends on spray equipment, crop canopy and target pest. Spray to wet, but avoid runoff. Apply up to a maximum of 2000 ml of product per hectare for extreme insect pressure or dense foliage.

Areal Application (Foliage):

Apply in sufficient water to thoroughly cover foliage infested with insects. For best results, apply in 500-600 liters of water/ha.

Soil Application:

For most soil applications, apply 1800-2000 ml of product in one hectare. For difficult to control soil pests, especially citrus root weevil (*Diaprepes abbreviatus*), apply product at the upper rate range (2000 ml (dry) of product per hectare). Do not apply to water-saturated soil. Apply product in enough water to ensure good coverage of treated area.

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