

A BIO LARVICIDE CONTAINING BEAUVERIA BASSIANA, A FUNGAL CONTACT INSECTICIDE FOR THE POPULATION REDUCTION OF VARIOUS PESTS IN BERRIES, VEGETABLES, TREE CROPS, AND HORTICULTURAL CROPS.

Trade Name:	DYNAMO ⁺
Active Ingredients:	<i>Beauveria bassiana</i> (1x10 ¹⁰ CFU/gm)
Registration No:	17-D-207-3
Target Crops & Pests:	See Below Table

GENERAL INFORMATION:

DYNAMO⁺ is a naturally occurring entomopathogenic fungus which occurs in most parts of the world. The spore of this fungus when it comes in contact with the cuticle of the target insect pest, germinates and grows directly through the cuticle to the inner body of the host. The fungus proliferates throughout the insect's body, draining the insect of nutrients and eventually killing it after approximately 48 – 72 hours after the spray. Unlike bacterial and viral pathogens of insects, the fungus does not have to be consumed but merely has to be positioned where the insect will come into contact with the spores.

WITHHOLDING PERIOD:

There is no withholding period after treatment and crops can be harvested or used at any stage after treatment

COMPATIBILITY:

DYNAMO⁺ contains fungal spores. It is not advisable to mix it in the same tank with commercially used chemical pesticides other than with Imidacloprid for use in tobacco.

DIRECTIONS FOR USE:

1. Apply **DYNAMO⁺** preventatively or when first signs of the pest are noticed.
2. Apply as full cover spray film spray using conventional spray equipment.
3. Good coverage is essential but **NOT** to the point of run off
4. Mixed volumes must be applied as soon as possible and not left overnight or standing in the sun.
5. **DYNAMO⁺** is a contact insecticide and it is essential that the spores make contact with all insects to be treated.
6. Heavy rain or overhead irrigation within one day of treatment could wash spores off and reduce efficacy – repeat treatment
7. Spray **DYNAMO** in the early morning or late afternoon hours.
8. **DO NOT** spray under hot conditions or phytotoxicity may occur.
9. **DYNAMO⁺** should be applied with a 10 to 14 day interval when used preventatively. If applied in a curative scenario, the application interval should be reduced to 5 to 7 days.
10. Mix well before application

APPLICATION DIRECTIONS:

Crop	Pest	Dosage	Time of Application
BROCCOLI BRUSSEL SPROUTS CABBAGE CAULIFLOWER	Diamondback Moth Lepidopteran caterpillar Bollworm Semi-looper Fruit-borer	50 g per 100L of water. Rate of 250g/ha required. (Spray volume usually 500 litres of water per hectare)	Apply at first sign of pest presence. Repeat at 10–14-day intervals. A minimum of 3 applications are usually required.
POTATO	Aphids Potato Tuber Moth Whitefly	250 g / ha 500 litres of water per ha.	Apply at first sign of pest presence. Repeat at 10–14-day intervals. A minimum of 3 applications are usually required
TOMATO	Aphids Red Spider Mites Tuta absoluta Whitefly	250 g/ha 500 litres of water per ha	Apply at first sign of pest presence. Repeat at 10–14-day intervals. A minimum of 3 applications are usually required.
MACADAMIA APPLES AVOCADO CITRUS PEACHES	Stinkbug Mealybugs False Codling Moth	250 g / ha 500 -2000 litres of water per ha.	Apply at first sign of Stinkbug presence. Apply a minimum of 3 applications over the growing season. Apply in late afternoon, early evening. Increased efficacy is achieved when combined with a suitable registered pyrethroid
MUSHROOMS	Mushroom flies Phorid flies	3.5 g / 15 litres of water	Apply at on surface of compost before spawning and repeat every 10-14 days on the casing prior to breaking or flush.
BLACKBERRIES BLUEBERRIES LETTUCE PASSION FRUIT PEAS, PEPPERS STRAWBERRIES WATERMELON	Whitefly Aphids Red Spider Mites Psylla Stem borers White grubs	250 g / ha 500 litres of water per ha.	Apply at first sign of pest presence. Repeat at 10-14 day intervals. A minimum of 3 applications are usually required.
ROSES	Aphids Whitefly Red Spider Mites Tuta absoluta	250 g/ha 500 litres of water per ha	Apply at first sign of pest presence. Repeat at 10-14 day intervals. A minimum of 3 applications are usually required.
ASPARAGUS BANANA CARROTS GARLIC, LEEKS ONIONS, PEAS	Ants Beetles Thrips Weevils	250g / ha 500 litres of water per ha.	Apply at first sign of pest presence. Repeat at 10-14 day intervals. A minimum of 3 applications are usually required.

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