

Bio-KNOT

Plant-Based Crop Protection for **Healthier**
and **More Productive Crops**



PRODUCT DESCRIPTION



BIO-KNOT is an innovative, plant-based bio-insecticide formulated using a carefully selected combination of plant extracts rich in naturally occurring bioactive compounds. Developed to support sustainable agriculture, **BIO-KNOT** offers a botanical approach to managing harmful insect pests while promoting crop protection and environmental responsibility. Its specialized formulation is designed to provide multiple pest-management benefits, including contact insecticidal and repellent activity, helping reduce pest infestation and minimize crop damage. **BIO-KNOT** is suitable for use in **vegetables, fruit orchards, ornamental plants, and selected field crops.**

Key Features & Benefits



Botanical Formulation: Developed using selected plant extracts containing naturally occurring bioactive compounds.



Effective Pest Management: Designed to help control a wide range of soft-bodied insect pests.



Multiple Modes of Action: Combines contact insecticidal and repellent properties for comprehensive pest management.



Crop Protection: Helps minimize insect-related damage to leaves, flowers, fruits, and tender plant tissues.



Sustainable Agriculture: Supports environmentally responsible crop-protection practices.



Versatile Application: Suitable for various horticultural, agricultural, and ornamental crops.



Recommended Crops

Fruit Crops:

Grapes, pomegranate, citrus, mango, and banana.



Vegetable Crops:

Chilli, tomato, brinjal, okra, cucumber, and other cucurbits.



Field Crops:

Cotton and other suitable agricultural crops.



Ornamental Crops:

Flowering plants, nursery and ornamental vegetation.



Why Choose Bio-knot?

BIO-KNOT combines the protective potential of botanical extracts with modern formulation technology to deliver a plant-based approach to insect pest management. Its multi-functional formulation is designed to help protect crops against pest-related damage while supporting sustainable farming practices.



TARGET PESTS

BIO-KNOT is formulated for managing common soft-bodied agricultural pests, including:

- Aphids
- Whiteflies
- Thrips
- Mealybugs
- Mites

Other susceptible soft-bodied insect pests

Crop Category	Dosage (per Liter of Water)	Spraying Schedule & Guidelines
1 st Spray	2.0 – 3.0 mL	Apply every 10 to 14 days during early growth or high-risk windows to keep pest populations at zero.
2 nd Spray	2.0 – 3.0 mL	Apply immediately upon first pest sighting. Repeat every 5 to 7 days until the population is completely broken.



Omega Fine Chemicals

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