

AVAILABLE PEST CONTROL PRODUCTS

GC-Mite – a natural, organic miticide and insecticide that provides good control of pests, such as aphids, mites, and thrips. *WSDA & OMRI Listed*

GC-3 – a natural, organic fungicide that provides good control of powdery mildew on various crops and ornamentals. *WSDA & OMRI Listed*

BioRepel – an all-natural repellent made from pure garlic extract. When applied, the strong garlic odor dissipates within minutes but remains offensive to insect pests. It repels most of the flying insect pests. *WSDA Listed*

Fosphite – a reduced risk systemic fungicide for use on food crops, ornamentals, and turf. Fosphite's active ingredient is mono and dipotassium phosphite, which controls various fungi groups like Phytophthora, Pythium, and Downey Mildew. Fosphite registration is pending in California.



BioRepel

Distributed by:



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BioRepel

*Natural
Insect Repellent*



*“The Natural Way to
Keep Pests Away”*



JH BIOTECH, INC.

*“Biotechnologies for
Safer Agriculture”*

GENERAL INFORMATION

BioRepel is an all natural repellent made from pure garlic juice. When applied, the strong garlic odor dissipates within a few minutes but remains offensive to insect pests. **BioRepel** can be applied to all plants, trees, shrubs, and crops to repel most insect pests. It is safe to use, handle, and store, has no plant phytotoxicity, and is non-toxic to humans and animals when applied as directed in the label.

The main advantage of **BioRepel** is the absence of harmful chemicals that may kill off beneficial insects and be hazardous to humans and animals. **BioRepel** has a chemical and behavioral mode of action. It disrupts the insect's chemosensory organs and irritates the insect to the point of departing the plant surface.

BENEFITS OF BIOREPEL

- Repels insects without the use of harmful chemicals
- Completely safe to use and handle
- Becomes odorless within minutes of application
- Does not add any garlic taste to fruits or vegetables
- Non-toxic to plant material
- Non-hazardous to humans and animals
- Safe for our environment
- No disposal or storage restrictions
- Easy to use

PRINCIPAL FUNCTIONING AGENTS

ACTIVE INGREDIENTS

Garlic Juice 10%

INERT INGREDIENTS

Water..... 90%

REPEL DAMAGING INSECT PESTS FROM PLANTS, TREES, SHRUBS, AND CROPS

BioRepel can be used on Brassica Vegetables, Bulb Vegetables, Cereal Grains, Citrus, Cotton, Cucurbit Crops, Forage Crops, Fruiting Vegetables, Kiwi, Leafy Vegetables, Legume Vegetables, Nut Trees, Ornamentals, Peanuts, Pome Fruit Trees, Root and Tuber Vegetables, Small Fruit and Berries, and Stone Fruit Trees. **BioRepel** is non-phytotoxic to plants and will leave no "after taste" on edible plant parts, vegetables, or fruit.

BIOREPEL IS SAFE FOR THE ENVIRONMENT

BioRepel contains no harmful chemicals or additives. It is completely safe for our environment, non-toxic to humans and animals and will not damage the foliage on plants, trees, or shrubs.

The US Environmental Protection Agency (EPA) has exempted **BioRepel** from registration as a pesticide under FIFRA 25b.

BioRepel can be used to repel the following insect pests: Ants, Aphids, Armyworms, Bagworms, Beetles, Boll Weevils, Cankerworms, Caterpillars, Curculios, Cutworms, Earworms, Fruit Flies, Grasshoppers, Lace Bugs, Leafhoppers, Leafminers, Leafrollers, Loopers, Lygus Bugs, Maggots, Mealybugs, Mites, Pickleworm, Psyllids, Scales, Sowbugs, Thrips, Tortrix, Whiteflies, Wireworms, and others.



DIRECTIONS FOR USE 1 Gallon Treats 25 Acres

Rate

Thoroughly mix 1 part of **BioRepel** with 100 parts of water for one minute. Agitate mixture before application. Apply diluted solution to the point of runoff. Use approximately four gallons of diluted solution per acre.

Method

BioRepel can be applied by air or with ground equipment. A fine spray applied to all parts of the plant surface will be most beneficial.

Application

BioRepel works best for your plants before pests become a problem. Apply **BioRepel** at first sign of insect pests or before. For vegetables, spray several days before blooming. Do not apply during or immediately preceding pollination, as **BioRepel** repels bees and other pollinators.

Number of Applications

Begin applications when plants are young and before pests are a problem. It is recommended to spray 4-8 applications per season - approximately 10 to 12 days apart.

Storage

Do not contaminate water, food, or feed by storage. Store in a cool, dry place out of direct sunlight.

Effect of Bio Repe l on Insect Groups

