

Cut here to open



# Diatomaceous Earth

**CRAWLING INSECT KILLER**

**CONTROLS**  
LISTED INSECT PESTS AND  
PLANT PARASITIC MITES

**85%**  
SILICON DIOXIDE

**EFFECTIVE & LONG LASTING** *when kept dry*

Distributed by  
Bonide Products, LLC  
6301 Sutliff Road  
Oriskany, NY 13424  
©Bonide Products, LLC  
All Rights Reserved

**ACTIVE INGREDIENT:**  
Diatomaceous Earth, chemical composition consisting of:  
Silicon Dioxide ..... 85.00%  
**OTHER INGREDIENTS:** ..... 15.00%  
**TOTAL:** ..... 100.00%  
EPA Reg. No. 73729-1-4 EPA Est. No. 4-NY-1

**Keep Out Of Reach Of Children**  
**CAUTION** (See panel for first aid instructions  
and precautionary statements.)  
**Net Weight 5 LBS. (2.27 kg)**

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

### Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and pets out of the treated area until sprays have dried.

## PRODUCT INFORMATION

This product is a ready-to-use insecticide which provides effective control against crawling and flying insect pests and plant parasitic mites. Surfaces treated with this product will control flying insect pests if they land on the treated surface. This product is a mechanical insect killer. When applied as a wettable powder using standard application equipment, it adheres to the outer surface of the target substrate, contact with an insect pest or mite results in the static transfer of a few particles of this product which absorb the protective lipid layer necessary for their survival. As a result, the insect will desiccate. Insect pests and mites will not become immune to this product's mode of action. Insect pests that come in contact or ingest this powder will die within 48 hours.

## APPLICATION

This product is for use in and around residential, commercial and agricultural buildings, structures and their immediate surroundings. This product is intended for application using commercially available hand dusters, power dusters or other suitable means for application to areas where insect pests are found. This product can be applied as a wettable powder (WP). WP treatments are intended both for indoor and outdoor applications and can be applied in a targeted manner.

### Wettable Powder Mixing Instructions:

1. Fill spray tank with water and add recommended rate of this product to match spray tank application acreage and mix to ensure dispersion.
2. Add optional non-ionic surfactant according to label rate

### Notes

- The recommended maximum addition rate of this product to water is 1.65 lbs per gallon
- Non-ionic surfactants are used to improve spreading on hydrophobic surfaces.
- It is advised to mix this solution directly prior to spraying and apply the entire batch within 8 hours
- This product will settle if left undisturbed for more than 1 hour, therefore mix prior to restarting the application.
- When proper coverage is obtained, a visible white residue will be apparent on the treated surface.

## RESIDENTIAL USES (INDOOR AND OUTDOOR APPLICATIONS)

In living areas, make applications in such a manner as to avoid deposits on exposed surfaces or introducing the material into the air. Application as a wettable powder will facilitate a targeted application. Treat a small area of the surface to be treated and look for staining or other adverse reactions before making regular application.

### WETTABLE POWDER MIXING INSTRUCTIONS PER ONE GALLON CONTAINER

1. Fill container with water and add 1 lb of this product. Close and shake the container for 15 seconds to disperse the product.
2. Carefully decant into handsprayer, pressurize and apply a single, even coat to the target area.

To apply this product directly into cracks and crevices, use a bulbous duster or other suitable equipment. Apply lightly and uniformly to infested areas. The amount of product to be applied will vary with the site but should usually be in the range of 2-5 oz./100 square feet applied as either a dust or wettable powder.

### INDOOR USE

Lightly coat a thin layer of this product in areas where target pests are found and may hide such as cracks and crevices, behind and beneath refrigerators, cabinets, stoves, garbage cans and in and around sewer pipes and drains, window frames and in attics and basements. Dust insects directly if possible. Repeat treatment if the product is inadvertently removed. The amount of product applied will vary with the site but should usually be in the range of 2-5 oz./100 square feet.

**Fleas:** Thoroughly treat floor and bedding in and around pets' sleeping quarters. Treat surrounding cracks and crevices, baseboards, carpeting and wherever fleas are suspected.

**Carpet Beetles:** Dust along baseboards, carpet edges, under carpeting, furniture, in closets and shelving where these insects are seen or suspected.

**Bedbugs:** Dismantle bed frame and remove bedding. Do not apply product to bedding. Apply this product to the bed frame, mattress and box spring. Application to mattresses and box springs is intended for treatment of seams, edges, tufts, creases, folds, indentations, buttons, and vent holes only. Do not treat the entire surface of the mattress or box spring. After four hours, vacuum the dust from the mattress. Also apply the product to cracks and crevices in the sleeping area such as baseboards, behind pictures/wall hangings, along and underneath carpet edges and other articles/furniture in the bedroom or sleeping area.

**RESTRICTIONS:** Do not apply to stuffed animals or toys.

## RESIDENTIAL USES (INDOOR AND OUTDOOR APPLICATIONS) CONTINUED

### OUTDOOR USE

Lightly coat a thin layer of this product in areas where these insect pests are found such as patios, outdoor sills, window and door frames. Apply around foundations, along ant trails and around sewer pipes and drains. The Treatment can be repeated in the event of rain or if the white residue is not visible. The amount of product to be applied will vary with the site but should usually be in the range of 2-5 oz./100 square feet.

## KILLS THE FOLLOWING

**Beetles:** Spotted Cucumber Beetle (southern corn rootworm), Asparagus Beetle, Bean Beetles, Blister Beetles, Carpet Beetle, Cigarette Beetle, Colorado Potato Beetle, Confused Flour Beetle, Driedfruit Beetle, Drugstore Beetle, Elm Leaf Beetle, Flea Beetles, Hide Beetle, Japanese Beetle, Mexican Bean Beetle, Red Flour Beetle, Sawtoothed Grain Beetle, American Spider Beetle, Yellow Mealworm **Moths:** Angoumois Grain Moth, Artichoke Plume Moth, Codling Moth, Diamondback Moth (adults & larvae), Ponderosa Pine Tip Moth, Grapeleaf Skeletonizer, Gypsy Moth (adults & larvae), Indian Meal Moth, Mediterranean Flour Moth, Tobacco Moth, Pine Tussock Moth **Weevils:** Boll Weevil, Carrot Weevil, Sweetclover Weevil, Pepper Weevil, Rice Weevil **Flies, Gnats, Maggots:** Apple Maggot, Blow Flies, Cabbage Maggots, Cherry Fruit Fly (cherry maggot), Crane Flies, Fruit Flies, Fungus Gnats, Apple Maggot, Mushroom Fly, Olive Fruit Fly, Onion Maggot, Shore fly, Vinegar Fly, Whiteflies **Worms, Slugs and Caterpillars:** Armyworm, Bagworm, Beet Armyworm, Cross-striped Cabbageworm, Cankerworms, Caterpillars, Corn Earworm (bollworm/tomato fruitworm), Dark Mealworm, Eastern Tent Caterpillar, Fireworms, Forest Tent Caterpillar, Cherry Fruitworm, Tobacco Hornworm, Green Fruitworm, Imported Cabbageworm, Lesser Mealworm, Navel Orangeworm, Pink bollworm, Potato Tuberworm, Saltmarsh caterpillar, Spotted Garden Slug, Tobacco Budworm, Tomato Fruitworm (bollworm/corn earworm), Tomato Homworm, Tomato pinworm, Beet Webworm, Corn Root Webworm, Western Yellowstriped Armyworm **Bugs, Scales and Plant Mites:** Armored Scale, Bedbugs, Billbugs, Boxelder Bug, Clover Mite, Eriophyid Mite, Grain Mite, Grape Mealybug, Greenbug, Harlequin Bug, Lacebugs, Leafhopper, Citrus Mealybug, Proba bug, Tarnished Plant Bug, Tomato bug, Tomato Russet Mite, SoftScale, Squash bug, Stink Bugs, Southern chinch bug, Sowbugs, Grape mealybug. **Aphids, Borers, Leafhoppers, Leaf miners, loopers and other insects as listed:** Ants (excluding Fire, Harvester, Carpenter and Pharaoh ants), Aphids, Bermudagrass Mirids, Twig Borers, Cabbage Looper, Cadelle, Chalcids, Cheese Skipper, Crickets, Mole Crickets, Earwigs, European Corn Borer, Fruittree Leafroller, Garden Symphylian, Glassy-winged Sharpshooter, Grape Leafhoppers, Grasshoppers, Green Peach Aphid, Greenhouse Thrip, Katydid, Leafhoppers, Leafminers, Leafrollers, Leaf-tiers, Loopers, Millipedes, Orange Tortrix, Pacific Flatheaded Borer, Pear Psylla, Potato Leafhopper, Psyllids, Shothole borer, Silverfish, Skippers, Springtails, Thrips.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Store in a cool, dry area.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. **If empty:** Offer for recycling if available or discard in a sanitary landfill. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## FIRST AID

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. For general information on this product, contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>**

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Use adequate ventilation and avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. When using this product during prolonged exposure, wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; or a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; or a NIOSH-approved powered air-purifying respirator with an HE filter.

**Mixers, loaders, applicators and other handlers must wear the following:**

- a long sleeved shirt and long pants
- socks and shoes
- during prolonged exposure, a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; or a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; or a NIOSH-approved powered air purifying respirator with an HE filter

### ENVIRONMENTAL HAZARDS STATEMENT

For terrestrial uses: Do not apply to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

To the extent consistent with applicable law, Manufacturer makes no warranty, expressed or implied, regarding the performance of this product in the absence of control over how it is used.