

BioNEEM®

INSECTICIDE & REPELLENT

Safer® BRAND

- ◆ For Fruit, Vegetables, Flowers & Ornamentals In & Around the Home
- ◆ Kills or Repels Aphids, Beetles, Caterpillars, Leafminers, Thrips, Whiteflies and other listed pests.

MULTI-PURPOSE
CONCENTRATE

ACTIVE INGREDIENTS.....	BY WT.
Azadirachtin.....	0.09%
OTHER INGREDIENTS.....	99.91%
TOTAL.....	100.00%

KEEP OUT OF REACH OF CHILDREN
CAUTION See back panel for additional
 Precautionary Statements
 and First Aid.

NET CONTENTS 16 FL. OZ. (473 ml)

0204

PF-3421-1

M3292ta

WB WG w/Lam



GENERAL INFORMATION:

BIONEEM® effectiveness is based on several modes of action. It disrupts insects' delicate hormonal balance so they die before they molt to the next life stage. BIONEEM® suppresses some insects' desire to feed and also repels many insects in areas that have been sprayed. These different modes of action result in broad spectrum control of the majority of insects that harm your yard and garden. BIONEEM® kills or repels a broad assortment of insect pests. BIONEEM® spares many beneficial insects such as honey bees and lady bugs that prey on undesirable insects. Without beneficial insects to control pest populations, plants are even more vulnerable to new infestations.

DIRECTIONS FOR USE:

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

Shake well before using. Use spray solutions within 8 hours of mixing for maximum effectiveness. Do not store diluted spray solution for later use. Not for use in food handling areas. Since BIONEEM® interferes with insect growth function, it is most effective when applied 2-3 times at 7-10 day intervals. Application directly onto the target pest will increase efficacy. Time applications for early to mid-morning or in the late afternoon. Do not add other chemicals to BIONEEM® solutions. Do not apply to wilted, stressed, or newly transplanted materials prior to root development. Do not apply to known sensitive plant species without prior testing.

Known Sensitive Plants:

Do not apply BIONEEM® to the following plant species due to potential plant damage: Hibiscus flowers

Foliar Application (Bedding & Potted Plants): For use on bedding plants, potted and foliage plants, ornamentals, trees and shrubs, in and around homes to control the immature or larval forms of the following insect pests: **Leathoppers, Leafminers, Whiteflies, Thrips, Mealybugs, Looper, Caterpillars, Aphids, Fruit flies, Beel Armyworms, Mexican Bean Beetles.** **USE DIRECTIONS:** Dilute BIONEEM® to a concentration of 3 fl. Oz. (6 tablespoons) of BIONEEM® per gallon of water (1 part BIONEEM® to 40 parts water). Mix thoroughly. Apply with a hand sprayer as a fine spray to leaf surfaces to run-off. Be sure to coat undersides of leaves as this is where many insects hide. Avoid excessive application.

Foliar Application (Trees & Shrubs): For use on trees and shrubs on residential landscapes to control the immature larval stages of the following insect pests: **Leathoppers, Leafminers, Gypsy moths, Weevils, Psyllids, Webworms, Hornworms, Spruce budworms, Pine sawflies, Elm leaf beetle, Bagworms, Tent Caterpillars, Grasshoppers.** **USE DIRECTIONS:** Dilute BIONEEM® to a concentration of 3 fl. Oz. (6 tablespoons) of BIONEEM® per gallon of water (1 part BIONEEM® to 40 parts water). Mix thoroughly. Apply with a hand sprayer as a fine spray to leaf surfaces to run-off. Be sure to coat undersides of leaves as this is where many insects hide. Avoid excessive application.

Lawn Application: For home lawns to control the following insect pests: **Mole crickets, White grubs, Sod webworms, Fall armyworms, Chinch bugs, Hyperodes weevils, Billbugs, Crane flies.**

USE DIRECTIONS: Dilute 2 fl. Oz. (4 tablespoons) of BIONEEM® in 1 gallon of water. Apply at the rate of 5 gallons spray solution per 2000 square feet. Apply BIONEEM® 2-3 times on a 7-10 day interval to insure effective control of surface and sub-surface feeding pests. Do not apply BIONEEM® to newly seeded lawns. Best timing for initial white grub application will vary by region but is generally early to mid summer and again in the fall. If in doubt, contact your local university research or extension specialist for the periods when white grubs are feeding in your area.

Yard and Landscape BIONEEM® Concentrate: For use around the home to control the following insects: **Aphids, Caterpillars, Gypsy moth larvae, immature tent beetles, Webworms, Bagworms, Lace bugs, Box elder bugs, Leafhoppers, Psyllids, Sawfly larvae, Woolly aphids.** **USE DIRECTIONS:** Always use freshly mixed spray solution. Use soft water whenever possible. Use with caution on new tender foliage, and do not apply to plants in direct sunlight. When insects are first noticed, apply a mixture of 3 fl. Oz. (6 tablespoons) of BIONEEM® per gallon of water (1 part BIONEEM® to 40 parts water). Repeat applications 2-3 times on a 7-day interval. When infestations are heavy, apply on a 3-4 day interval until populations are reduced.

House Plant Application: For use on house plants to kill or repel the following insect pests: **Leathoppers, Leaf miners, Whiteflies, Thrips, Mealybugs, Looper, Caterpillars, Aphids, Fruit flies, Beet armyworms, Mexican bean beetles, Fungus gnats.** **USE DIRECTIONS:** Dilute BIONEEM® to a concentration of 0.42 fl. Oz. (2 1/2 teaspoons) of BIONEEM® per pint of water. Mix thoroughly. Adjust spray bottle nozzle to spray setting and apply BIONEEM® to leaf surfaces until completely wet. Be sure to coat undersides of

leaves especially those at the soil surface, as this is where many insects hide. Avoid excessive application.

Vegetable and Fruit Crop Application: For use on vegetable and fruit crops to kill or repel the following insect pests: **Armyworms, Diamondback Moths, Hornworms, Imported cabbageworms, Looper, Melonworms, Pickleworms, Tomato fruitworms, Corn earworms, Bollworms, Budworms, Whiteflies, Thrips, Borers, Aphids, Squash bugs, Tent caterpillars, Mexican bean beetles, Pinworms, Colorado potato beetles, European corn borers, Cucumber beetles, Leaf miners, Vine borers, Cutworms, Weevils, Bean leaf beetles, Leafrollers, Grape leaf skeletonizers, Twig girdlers, Codling moths** on the following crops: Broccoli, Turnips, Cabbage, Tomatoes, Melons, Kale, Mustard, Peppers, Lentils, Squash, Lettuce, Beans, Corn, Potatoes, Peanuts, Asparagus, Garlic, Parsley, Radishes, Rutabaga, Anise, Mint, Dill, Rosemary, Sweet bay, Thyme, Almonds, Pecans, Pistachios, Apples, Pumpkins, Peaches, Plums, Figs, Lemons, Cauliflower, Celery, Kohlrabi, Carrots, Spinach, Turnip greens, Brussels sprouts, Sweet potatoes, Cucumbers, Collards, Beets, Peas, Eggplants, Ginger, Artichokes, Onions, Turnips, Bok choy, Collard greens, Mustard greens, Basil, Chives, Marjoram, Sage, Tarragon, Wintergreen, Cashews, Macadamia nuts, Walnuts, Cherries, Cantaloupes, Pears, Apricots, Oranges, Limes. **USE DIRECTIONS:** Always use freshly mixed spray solution. Use soft water whenever possible. Use with caution on new tender foliage. When insects are first noticed, apply a mixture of 3 fl. Oz. (6 tablespoons) of BIONEEM® per gallon of water (1 part BIONEEM® to 40 parts water). Repeat applications 2-3 times on a 7-day interval. When infestations are heavy, apply on a 3-4 day interval until populations are reduced.

Repellency Against Japanese Beetles and Other Pests:

BIONEEM® repels a variety of pests including armyworms, aphids, and Japanese Beetles. Dilute BIONEEM® to a concentration of 3 fl. Oz. (6 tablespoons) of BIONEEM® per gallon of water (1 part BIONEEM® to 40 parts water). Mix thoroughly. Apply to plants with a hand sprayer, being sure to completely cover foliage and flowers. Apply just before pests emerge or at first sign of infestation. Repeat applications every 3-7 days or immediately after significant rainfall.

PRECAUTIONARY STATEMENTS:**Hazards to Humans and Domestic Animals:**

Caution: Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Causes moderate eye irritation. Harmful if inhaled. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

FIRST AID:

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything to an unconscious person. **If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **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. **If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. 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. Hot Line Number: 1-800-858-7378.

ENVIRONMENTAL HAZARDS:

This product is hazardous to fish and aquatic invertebrates. For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

PHYSICAL OR CHEMICAL HAZARDS:

Flammable. Keep away from heat and open flame.

STORAGE AND DISPOSAL:

Pesticide Storage: Keep in original container. Store in a cool, dry place, away from direct sunlight, feed or foodstuffs. Keep container tightly sealed when not in use. Do not store below 50°F (10°C) or above 95°F (35°C).

Pesticide and Container Disposal:

If Empty: Do not reuse this container. Place in trash or offer for recycling if available. **If Partly Filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

Woodstream Corp. and its subsidiaries will not accept liability for damage or injury resulting from misuse. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

Distributed By: Safer®, Inc., a wholly-owned subsidiary of Woodstream Corporation



69 North Locust Street, Lititz, PA 17543

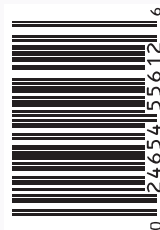
800-800-1819 • 717-626-2125

EPA Reg. No. 70051-6-42697

EPA Est. No. 63456-MN-001

Look for other Safer® Brand products at www.saferbrand.com

0305



© Copyright 2005 Woodstream Corp. 5612-3320-RM06395 Model No. 5612 Made in USA

BioNEEM[®]
**INSECTICIDE &
REPELLENT**

Safer[®]

Shake Well
Before Using!

MULTI-PURPOSE CONCENTRATE

Woodstream Corp. and its subsidiaries will not accept liability for damage or injury resulting from misuse. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

Distributed By: Safer[®], Inc., a wholly-owned subsidiary of Woodstream Corporation



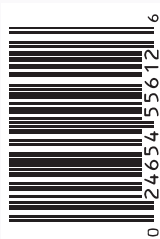
69 North Locust Street, Lititz, PA 17543
800-800-1819 • 717-626-2125

EPA Reg. No. 70051-6-42697

EPA Est. No. 63456-MN-001

Look for other Safer[®] Brand products
at www.saferbrand.com

0305



PULL HERE TO OPEN / PRESS TO RESEAL ▲

© Copyright 2005 Woodstream Corp. 5612-3320-RM06395 Model No. 5612 Made in USA

PF6926 2 200503