



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 27, 2018

Karen E. Warkentien
Director, Regulatory Affairs
Certis USA, LLC
9145 Guilford Road
Columbia, MD 21046

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Removal of the OMRI Seal.
Product Name: MEEN
EPA Registration Number: 70051-6
Application Dates: 05/04/2018 and 09/07/2018
OPP Decision Numbers: 540929 and 544408

Dear Ms. Warkentien:

In an application dated 05/04/2018 (OPP Decision No. 540929), you notified the U.S. Environmental Protection Agency (EPA) that you are removing the OMRI Seal from the products label. Subsequently, the EPA determined that the action requested does not fall under the scope of Pesticide Registration Notice 98-10 and therefore converted the notification to a non-PRIA amendment OPP Decision No. 544408.

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution

Page 2 of 2

EPA Reg. No. 70051-6

OPP Decision Nos. 540929 and 544408

of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Menyon Adams by phone at (703) 347-8496 or via email at adams.menyon@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is written in a cursive style.

Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

MEEN™

INSECT GROWTH REGULATOR

Kills or repels various insect pests on ornamentals, trees, lawns, shrubs, flowers, and vegetables in the yard, and garden, and in and around interiorscapes and homes.

Kills Sod Webworms, Chinch Bugs, and Other Listed Insects.

Kills larval stages of insects.

Meen disrupts the molting ability of immature insects of many types, inhibits feeding, and acts to disrupt the reproductive capacity of many insect adults.



FOR ORGANIC GARDENING

ACTIVE INGREDIENT:

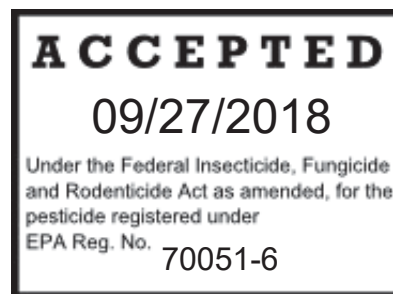
Azadirachtin	0.09%
OTHER INGREDIENTS	99.91%
TOTAL	100.00%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See Side/Back Panel for Additional Precautionary Statements and First Aid

Manufactured by:
Certis USA, LLC
9145 Guilford Road, Suite 175
Columbia, MD 21046

Net Contents: _____
EPA Reg. No. 70051-6
EPA Est. No. _____
Lot No.: _____



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 by mouth 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 by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

Have product container or label with you when calling a poison control center or doctor, or going in for treatment.

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.

Environmental Hazards

This product is hazardous to fish and aquatic invertebrates,

To protect the environment, do not allow pesticide to enter run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

Physical or Chemical hazards:

Flammable. Keep away from heat and open flame.

Directions for Use

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

General:

- Botanical Insecticide Concentrate
- Insecticide, Repellant, Insect Growth Regulator
- All-Purpose Insect Control
- All-Purpose Insecticide
- Broad Spectrum Insecticide
- Broad Spectrum Insect Control
- Insect Anti-feedant
- Multi-Purpose Insecticide
- Kills and/or repels insects/Japanese beetles

- Kills Larval stages of insects
- For Indoor and Outdoor Use
- Formulated for Interiorscape use

General Information

MEEN's 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. MEEN 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.

[MEEN's effectiveness is based on three modes of action:

- 1. Anti-feedant: MEEN suppresses the insect's desire to feed and, therefore, no damage is caused.*
- 2. Repellant: Insects simply stay away from areas sprayed with MEEN and, therefore, no damage is caused.*
- 3. Insect Growth Regulator: MEEN disrupts the insect's delicate hormonal balance so it dies before it molts to the next life stage.]*

MEEN kills or repels a broad assortment of insect pests. MEEN 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.

Neem-based products have been tested and used as effective insecticides in commercial greenhouses. The Neem seed has been the subject of extensive testing throughout the world *[since after WWII]*. Neem has been tested at major universities throughout the U.S. since 1982.

The active ingredient in MEEN is an extract from the seeds of the neem tree, a renewable resource. Parts of the neem tree have been used over the centuries for highly effective insecticidal and medicinal purposes. The neem tree is native to India, Africa, and several other tropical countries. Over the years, people have stored their food grains, in the home, free from pest infestation by adding whole or chopped neem seeds. The trees are also planted in backyards and common areas in order to repel insects.

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 MEEN interferes with insect growth function it is most effective when applied 2-3 times at 7-10 day intervals.

Application directly into the target pest will increase efficacy. Time applications for early to mid-morning or in the late afternoon.

Do not add other chemicals to MEEN 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 MEEN to the following plant species due to potential plant damage:

Hibiscus flowers

The Following Section Contains Directions For Concentrate Products Use

(1) Foliar Application (Bedding & Potted Plants)

For use on bedding plants, potted 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:

PESTS

Leafhoppers
Leafminers
Whiteflies
Thrips
Mealybugs
Loopers
Caterpillars
Aphids
Fruitflies
Beet armyworms
Mexican bean beetles

USE DIRECTIONS

Dilute MEEN to a concentration of 3 fl. oz. (6 tablespoons) of MEEN per gallon of water (1 part MEEN per gallon of 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.

(2) Foliar Application (Trees & Shrubs)

For use on trees and shrubs on residential landscapes to control the immature larval stages of the following insect pests:

PESTS

Leafhoppers
Leafminers
Gypsy moths
Weevils
Psyllids
Webworms
Hornworms
Spruce budworms
Pine sawflies
Elm leaf beetle
Bagworms
Tent caterpillars
Grasshoppers

USE DIRECTIONS

Dilute MEEN to a concentration of 3 fl. oz. (6 tablespoons) of MEEN per gallon of water (1 part MEEN to 40 parts water). Mix thoroughly. Apply with a hand sprayer as a fine to leaf surfaces to runoff. Be sure to coat undersides of leaves as this is where many insects hide. Avoid excessive application.

(3) Lawn Application

For home lawns to control the following insect pests:

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 MEEN in 1 gallon of water. Apply at a rate of 5 gallons spray solution per 2000 square feet. Apply MEEN 2-3 times on a 7-10 day interval to insure effective control of surface and sub-surface feeding pests. Do not apply MEEN 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 periods when white grubs are feeding in your area.

(4) Yard Landscape MEEN Concentrate

For use around the home to control the following insects:

PESTS

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 MEEN per gallon of water (1 part MEEN 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.

(5) House Plant Application

For use on house plants to kill the following insect pests:

PESTS

Leafhoppers
Leafminers
Whiteflies
Thrips
Mealybugs
Loopers
Caterpillars
Aphids
Fruitflies
Beet armyworms
Mexican bean beetles
Fungus gnats

USE DIRECTIONS

Dilute MEEN to a concentration of 0.42 fl. oz. (2 ½ teaspoons) of MEEN per pint of water. Mix thoroughly. Adjust spray bottle nozzle to spray setting and apply MEEN 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.

(6) Vegetable and Fruit Crop Application

For use on vegetable and fruit crops to kill or repel the following insect pests:

PESTS

Armyworms	Tent caterpillars
Diamondback moths	Mexican bean beetles
Hornworms	Pinworms
Imported cabbageworms	Colorado potato beetles
Loopers	European corn borers
Melonworms	Cucumber beetle
Pickleworms	Leafminers
Tomato fruitworm	Vine borers
Corn earworms	Cutworms
Bollworms	Weevils
Budworms	Bean leaf beetles
Whiteflies	Leafrollers
Thrips	Grape leaf skeletonizers
Borers	Twig girdlers
Aphids	Codling moths
Squash bugs	

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 MEEN per gallon of water (1 part MEEN 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.

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
Cucumber
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

The Following Section Contains Directions for Use of the product in a Hose-End Applicator

HOSE END APPLICATOR INSTRUCTIONS:

1. Remove plastic wrap from carton and detach hose-end attachment.
2. Screw the longer end of the hose-end attachment onto hose.
3. Set valve switch to off position (at right angle to line of water flow).
4. Remove child resistant cap from product bottle and screw bottle top onto hose-end attachment until tight
5. Turn faucet on. Begin spraying by turning the valve switch located on top of the attachment clockwise until fully in line with water flow.
6. When spraying is complete, turn valve switch counter clockwise to stop product flow.
7. Turn off faucet.
8. Unscrew product bottle from hose-end attachment, recap bottle and if empty dispose of according to label directions. Unscrew hose-end attachment from hose.

Alternate Hose End Applicator Instructions

1. Make sure knob is fully clockwise to OFF position. Shake well, then attach to hose.
2. Turn Product Control Button clockwise until the flat portion is flush with the lock tab, then push button all the way in. Avoid squeezing the bottle.
3. Turn water on at faucet, aim nozzle toward surface to be sprayed and turn knob counter-clockwise to begin spraying.
4. When finished, push Product Control Button to OFF position from opposite side. Return knob and faucet to OFF position . discharge water pressure by turning knob ON and OFF again. Turn Product Control Button counter-clockwise away from lock tab to prevent accidental discharge. Store out of reach of children.

(7) Foliar Application (Bedding and Potted Plants): for use on bedding plants, potted and foliage plants, ornamentals in and around homes to control the immature or larval forms of the following pests:

PESTS

Leafhoppers
Leafminers
Whiteflies
Thrips
Mealybugs
Loopers
Caterpillars
Beet armyworms
Aphids

USE DIRECTIONS

The 16 oz. hose-end applicator for bedding and potted plants will treat approximately 650 square feet of plant material 3 times. Repeat application 2-3 times on an interval of 7-10 days. Apply to leaf surfaces to run-off. Be sure to coat undersides of leaves as this is where many insects hide. Avoid excessive application. Do not apply to known sensitive plants without a prior small scale test application.

(8) Foliar Application (Trees and Shrubs)

For use on trees and shrubs on home landscapes to control the immature larval stages of the following insect pests:

PESTS

Leafminers
Leafhoppers
Gypsey moths
Weevils
Psyllids
Webworms
Hornworms
Spruce budworms
Pine sawflies
Elm leaf beetle
Grasshoppers

USE DIRECTIONS

The 16 oz. hose end applicator for trees and shrubs will treat up to 5 ten foot trees. (*The 32 oz. hose-end applicator for trees and shrubs will treat up to 10 ten foot trees.*) repeat application 2-3

times at an interval of 7-10 days. Apply to leaf surfaces to run-off. Be sure to coat undersides of leaves as this is where many insects hide. Avoid excessive application.

(9) Lawn Application: For use on home lawns to control the immature larval stages of the following insect pests:

PESTS

Mole crickets
White grubs
Sod webworms
Fall armyworms
Chinch bugs
Hyperodes weevil
Billbugs

USE DIRECTIONS

The 16 oz. hose-end applicator for lawns will treat approximately 1,000-2,000 square feet. (*The 32 oz. hose-end applicator for lawns will treat approximately 2,000-4,000 square feet.*) Apply MEEN 2-3 times on a 7-10 day interval to insure effective control of surface and sub-surface feeding pests.

Hose-end Sprayer Refill ^(a)

1. Remove child resistant cap from product bottle and screw bottle top on to those-end attachment until tight.
2. Turn faucet on. Begin spraying by turning the valve switch located on top of the attachment clockwise until fully in line with water flow.
3. When spraying is complete, turn valve switch until counterclockwise to stop product flow.
4. Turn off faucet.
5. Unscrew product bottle from hose-end attachment, recap bottle and if empty dispose of according to label directions. Unscrew hose-end attachment from hose.

(a) Will also contain appropriate application directions as per the forgoing.

The Following Section Contains Directions For Use Of The Product As A Repellant

Repellency Against Japanese Beetles and Other Pests:

MEEN repels a variety of pests including armyworms, aphids, and Japanese Beetles. Dilute MEEN to a concentration of 3 fl. oz. (6 tablespoons) of MEEN per gallon of water (1part MEEN 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.

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 Handling:

If empty: Nonrefillable container. Do not reuse or refill 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.

WARRANTY

Certis USA LLC warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the insect problem, condition of the crop, incompatibility with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with the directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.

(The following text may or may not appear, in whole or in part, on the final label:)

[Kills Armyworms, Kills Diamondback Moths. Kills Hornworms. Kills Imported Cabbage Worms, Kills Loopers, Kills Melonworms, Kills Pickleworms, Kills Tomato Fruitworm, Kills Corn Earworms, Kills Bollworms, Kills Budworms, Kills Whiteflies, Kills Thrips, Kills Borers, Kills Aphids, Kills Squashbugs, Kills Tent Caterpillars, Kills Mexican Bean Beetles, Kills [Pinworms], Kills Colorado Potato Beetle, Kills European Corn Borer, Kills Cucumber Beetle, Kills Leafminers, Kills Vineborers, Kills Cutworms, Kills Weevils, Kills Bean leaf beetles, Kills Leafrollers, Kills Grape Leaf Skeletonizers, Kills Twig girdlers, Kills Codling moths, Kills Leaf hoppers, Kills Mealybugs, Kills Caterpillars, Kills Aphids, Kills Fruit flies, Kills Box Elder bugs, Kills Mole crickets]

[Images or photographs of the above pests may or may not accompany the above listing.



For Example:

[Pull here to open/press to reseal/Disparancia para abrir y encontrar información e instrucciones adicionales]

[Instrucciones en español al reverse/ Instructions in spanish are on the [back][reverse] [side] [panel][other][back].]

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

[Companies may include company specific images and graphics

