

228-459

3/23/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

March 23, 2010

Nathan Ehresman
Nufarm Americas, Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Subject: Amendment: Response to Agency's February 8, 2010
Menace® 2.4% ME Insecticide
EPA Reg. No. 228-459
Your Submission Dated March 12, 2010

Dear Mr. Ehresman:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact BeWanda Alexander at Alexander.bewanda@epa.gov or (703) 305-7460.

Sincerely,

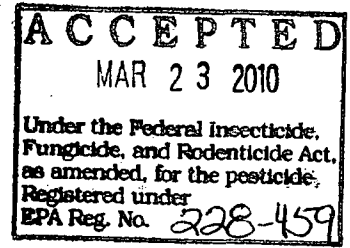
A handwritten signature in cursive script that reads "BeWanda Alexander for".

Richard Gebken
Product Manager
Insecticide Branch
Registration Division (7505P)

Enclosure

NOTE: Italicized text in parentheses "()" is information for the reviewer and is not part of label text.
Text in Brackets "[]" is optional label text that may or may not appear on Final Printed Labeling

MENACE® 2.4% ME INSECTICIDE



ACTIVE INGREDIENT:

Bifenthrin* 2.4%

OTHER INGREDIENTS: 97.6%

TOTAL..... 100.0%

*Cis isomers 97% minimum, trans Isomers 3% maximum.

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE BACK PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-459
EPA EST. NO. _____

MANUFACTURED FOR
NUFARM AMERICAS INC.
150 HARVESTER DRIVE
BURR RIDGE, IL 60527
800-455-2000



NET CONTENTS _____ GALS. (_____ Liters

30x10

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> • 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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 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.
HOT LINE NUMBER (Pyrethroid)	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils and alcohol may increase absorption and so should be avoided.	

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish, and aquatic invertebrates. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. To protect the environment, do not allow pesticide to enter or runoff 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 runoff to water bodies or drainage systems. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops and weeds. Do not allow this product to drift to blooming crops if bees are visiting the treatment area.

(This product may be packaged as a dilutable concentrate or it may be pre-packaged in a ready-to-spray, hose-end application system for ease of use. Label text specific to the concentrate or the ready-to-spray packaging is designated as "for concentrate" or "for ready-to-spray". Uses on this label that are excluded from the prepackaged ready-to-spray, hose-end application system are marked "for concentrate only").

PRODUCT FACTS

[1 QUART] [32 Fluid ounces] Treats up to 10,600 sq. ft.	
KILLS INSECTS	Termites, carpenter ants and other insects including Argentine ants, Boxelder bugs, carpenter bees, chinch bugs, clover mites, crickets, Elm leaf beetles, firebrats, fleas, grasshoppers, German cockroaches, harvester ants, sod webworms, millipedes, mole crickets, mosquitoes, pharaoh ants, scorpions, spiders, termites (workers and winged), ticks, and other listed pests.
WHERE TO USE	Lawns, groundcovers, roses, flowers, trees, shrubs, landscape plantings, porches, patios, foundations, wood piles and stored lumber
AMOUNT TO USE	<i>(for concentrate)</i> Termites: 3.2 fl. oz. (6-1/2 Tbs.) per gallon of water for each 2-1/2 linear feet of trench. <i>(for concentrate)</i> All other pests: 0.5 fl. oz. (1 Tbs.) per gallon of water sprayed over 167 sq. ft. <i>(for ready-to-spray)</i> No measuring or mixing is required. Automatically dilutes as you spray.
HOW TO APPLY	<i>(for concentrate)</i> Use a Dial 'N Spray or Ortho garden tank sprayer, a sprinkling can, or Hose End Sprayer <i>(for ready-to-spray)</i> Use the ready-to-spray, hose end applicator system provided.
Questions, Comments or Medical Information call 1-877-325-1840	

DIRECTIONS FOR USE

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

People and pets may enter treated area after application has dried.

This product has a long residual, providing up to 16 weeks control of Cockroaches and up to 12 weeks of other pests.

FOR OUTDOOR USE ONLY
DO NOT USE INSIDE DWELLINGS

Shake **MENACE 2.4% ME** well before use.

(for concentrate) 1 Tablespoon (Tbs.) = 3 teaspoons (tsp.); 1 fl. oz. = 2 Tbs.; 4 fl. oz. = 1/2 cup. DO NOT use household utensils to measure this product.

(for ready-to-spray applicator system A)

How To Use This Sprayer: Shake Container Well Before Getting Started.

1. Before you start, the blue top water flow valve should be in the "OFF" position, and the red product flow valve should be in the up, "OFF" position.
2. Shake container well and attach it to your garden hose.
3. Turn on the water from the faucet.
4. To apply, remove side pin (labeled "PULL OUT") and rotate red product flow valve to "ON"; then while holding sprayer at waist level and pointing in a direction away from face and body, push blue water flow valve forward to activate water.
5. When you are finished spraying or if you have to stop spraying at any time, press blue water flow valve with thumb to the rear to shut off water and return side red valve to the upright "OFF" position and replace side pin.
6. Turn off the water at the faucet.
7. Remove the container from the garden hose; then rinse thoroughly and store according to storage instructions.

(for ready-to-spray applicator system B)

HOW TO USE THE READY-TO-SPRAY SYSTEM

Connect

1. Shake well before using.
2. Connect sprayer to hose.
3. Turn on water.

Spray

1. To begin spraying, point nozzle in the direction you want to spray.
2. [Bend small plastic tab back and] Turn knob [clockwise] to ON position.
3. Spray evenly over the area to be treated.

Finish

1. To stop spraying, turn knob [counter clockwise] to OFF position.
2. Turn off water.
3. Relieve water pressure by [bending plastic tab back and] turning knob to ON position until water slows to a drip. Then turn knob back to OFF position.
4. Disconnect sprayer from hose.

(for concentrate only)

SUBTERRANEAN TERMITES (OUTDOORS)

- Kills and controls subterranean termites. Chemicals for soil treatment are used to establish a barrier against termites. -
 - The chemical emulsion must be adequately dispersed in the soil to provide a barrier between the wood in the -
 - structure and the termite colonies in the soil. Barriers may be established in the soil on the outside perimeter of the -
 - house by trenching using a rate of 4 gallons of emulsion per 10 linear feet per foot of depth. A complete termite -
 - barrier may require treatment with another EPA registered product to the inside perimeter of the foundation and to -
 - other interior critical areas. For these situations contact a licensed pest control operator for treatment. Prevents -
 - subterranean termite infestations. For use around existing structures, not for pre-construction use. For outdoor -
 - homeowner post-construction use only. DO NOT use under slabs, in crawl spaces or indoors. If termites are found -
 - within the house or structure, contact a licensed pest control operator for treatment. Keeps termites away for up to 5 -
 - years in areas treated.

MIXING INSTRUCTIONS for Termites

USE A SPRINKLING CAN. Add 3.2 fl. oz. (6-1/2 Tbs.) to 1 gallon of water for each 2-1/2 linear feet*.
 * 1 quart of this product will make 10 gallons of diluted solution and cover 25 linear feet.

HOW TO APPLY

Trench Treatment

- Remove all wood debris and wood forms.
- Poured Concrete Foundations: Dig a trench next to the foundation 6 inches wide and 4 inches deep or down to the top of the footing, whichever is less.
- Brick and Block Foundations: Dig a trench 6 inches wide and 12 inches deep. If the footing is more than 12 inches deep, make holes with a crowbar, pipe or steel rod about 1 foot apart that extend from the bottom of the trench to the top of the footing. Make holes closer together in hard-packed clay soils.
- To avoid shifting your house foundation, never dig below the top of the footing.
- Apply the diluted solution (emulsion) in the trench at a rate of 4 gallons per 10 linear feet per foot of depth.
- Apply half volume of the diluted product with a sprinkling can in the trench. Apply other half to the backfill as the trench is refilled.

Fence Posts

- Use a sprinkling can. Pour 1/2 gallon of diluted product into fence post hole and add another 1/2 gallon to the soil when filling the hole so that all the fill soil is treated to form a protective barrier.

Fence Posts – Termite Prevention

Create an insecticidal barrier in the soil around wooden constructions such as signs, fences and landscape ornamentation.

- Previously installed poles and posts may be treated by gravity-flow through holes made from the bottom of the trench around the pole or post. Treat on all sides to create a continuous insecticidal barrier around the hole.
- Use 1 gallon of emulsion per foot of depth for poles and posts less than six inches in diameter.
- For larger poles, use 1.5 gallons of emulsion per foot of depth.
- Apply to a depth of 6 inches below the bottom of the wood.

- For larger constructions, use 4 gallons per 10 linear feet per foot of depth.

WHEN TO REAPPLY

Reapplication for subterranean termites should only be made when there has been a disruption of the chemical barrier in the soil due to construction, excavation, landscaping, etc. Reapplication should be made as a spot treatment to those areas. Annual reapplication of the entire premises must be avoided.

CARPENTER ANTS, CARPENTER BEES, WOOD-DESTROYING BEETLES, AND OTHER HOME-INVADING PESTS (OUTDOORS)

Ants (Including Carpenter ant, Red harvester, pavement, odorous pyramid, Argentine and pharaoh) carpenter bees, beetles, boxelder bugs, centipedes, chiggers, crickets, earwigs, firebrats, fleas, German cockroaches, house flies, hornets, millipedes, scorpions, silverfish, sowbugs, spiders (including black widow and brown recluse), springtails, ticks, wasps, wood-destroying beetles, and yellow jackets – **OUTDOORS**

For use against hornets, wasps and yellow jackets: Application should be made in the late evening when insects are at rest. Aim spray at nest openings in ground, bushes and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible.

(for concentrate)

= **MIXING INSTRUCTIONS** for Home-Invading Pests =

= **AMOUNT TO USE** =

= **When using a tank sprayer** =

- 0.5 fl. oz. (1 Tbs.) per gallon of water to be sprayed over 167 sq. ft.

= **When using the Ortho® Dial 'N Spray®** =

1. Set dial to 0.5 fl. oz.
2. Add 3.2 fl. oz. (6-1/2 Tbs.) to sprayer jar. **DO NOT** add water.
3. Spray evenly over 1,000 sq. ft. until jar is empty.

Treatment For Wood-Destroying Pests (Outdoors)

Localized Areas Outdoors: For the control of insects such as termites, ants, carpenter ants, and wood-infesting beetles such as Old House Borer and Powder Post in localized areas of infested wood around structures, apply emulsion to voids and galleries in damaged wood and in spaces between wooden members of a structure and between wood and foundations where wood is vulnerable. Paint on or fan spray applications may also be used.

HOW TO APPLY

Wood Treatment

- Fences and Outdoor Wood Surfaces of Buildings: Apply evenly on wood surfaces. Allow to dry and repeat to ensure the insecticide soaks into the wood.
- Wood Piles and Stored Lumber: Use a Dial 'N Spray or Ortho garden tank sprayer, a sprinkling can, or Hose End Sprayer to deliver a coarse drenching spray. Treated wood can be burned or used for building one month after treatment.

Perimeter Treatment

- To keep insects from entering the house, use a hose-end or tank sprayer to spray a 3 to 10 foot band of soil around the house next to the foundation. Also spray the foundation of the house to a height of 2 to 3 feet. House siding may be treated if pests such as gypsy moth adults and caterpillars, boxelder bugs, elm leaf beetles, earwigs, or silverfish are present.

LAWN PESTS (OUTDOORS)

For above the ground insects including armyworms, chiggers, chinch bugs, clover mites, crickets, cutworms, dichondra flea beetles, earwigs, fleas, grasshoppers, sod webworms, ticks – **OUTDOORS**

For below the ground insects including mole crickets and European crane flies – **OUTDOORS**

(for concentrate)

- **MIXING INSTRUCTIONS** for Lawn Pests

- **AMOUNT TO USE**

- **When using a tank sprayer**

- 0.5 fl. oz. (1 Tbs.) per gallon of water to be sprayed over 167 sq. ft.

- **When using the Ortho® Dial 'N Spray®**

1. Set dial to 0.5 fl. oz.
2. Add 3.2 fl. oz. (6-1/2 Tbs.) to sprayer jar.
3. **DO NOT** add water.
4. Spray evenly over 1,000 sq. ft. until jar is empty.

HOW TO APPLY

- Measure lawn. Calculate square feet by multiplying length times width.
- Spray evenly over measured lawn. Treat entire lawn.

WHEN TO REAPPLY

- Repeat application is necessary only if there are signs of renewed insect activity. Repeat application must be limited to no more than once per seven days.

LANDSCAPE, ORNAMENTAL, AND TREE PESTS (OUTDOORS)

For application to trees, shrubs, ground covers, roses, flowers, bedding plants and foliage plants to control Adelgids, Ants, Aphids, Bagworms¹, Beet armyworms, Beetles², Black vine weevil (adults), Budworms, Centipedes, Cicadas, Crickets, Cutworms, Earwigs, Elm leaf beetles, Flea beetles, Fall webworms, Fungus gnats, Grasshoppers, Gypsy moth caterpillars, Japanese beetle (adults), Leafhoppers, Leafminers, Leafrollers, Mealybugs, Millipedes, Mosquitoes, Pillbugs, Plant bugs, Psyllids, Scale insects & crawlers², Scorpions, Sowbugs, Spider mites, Spiders, Spittlebugs, Tent caterpillars, Thrips, Tip moths, Treehoppers, Twig borers², Wasps, Weevils², Whiteflies.

¹For Bagworms, apply when larvae begin to hatch and spray larvae directly. Application when larvae are young will be most effective.

²For Beetles, Scale Crawlers, Twig Borers, and Weevils: Treat tree trunks, stems, and twigs in addition to plant foliage.

(for concentrate)

- **MIXING INSTRUCTIONS** for Ornamental, Tree, and Landscape Pests

- **AMOUNT TO USE**

- **When using a tank sprayer**

- 0.5 fl. oz. (1 Tbs.) per gallon of water to be sprayed over 167 sq. ft.

- **When using the Ortho® Dial 'N Spray®**

1. Set dial to 0.5 fl. oz.
2. Add 3.2 fl. oz. (6-1/2 Tbs.) to sprayer jar.
3. **DO NOT** add water.
4. Spray evenly over 1,000 sq. ft. until jar is empty.

8010

HOW TO APPLY

- Spray evenly over foliage and treatment surfaces to the point of runoff.

WHEN TO REAPPLY

- Repeat application is necessary only if there are signs of renewed insect activity. Repeat application must be limited to no more than once per seven days.

MOSQUITOES (OUTDOORS)

Mosquitoes coming to rest on areas treated for the control of lawn and home-invading pests will be killed for varying periods of time after application, depending on exposure of treated areas to environmental conditions.

For Ant and Fire Ant Mounds use this product as a Drench Method

Apply 1-2 gallons of emulsion to each mound area by sprinkling the mound until it is wet and treat a 4-foot diameter circle around the mound. Use the higher volume for mounds larger than 12". For best results, apply in cool weather, such as in early morning or late evening hours, but not in the heat of the day. Treat new mounds as they appear.

IMPORTANT

DO NOT treat structures that contain cisterns, wells, French drains or sump systems. Soil in the vicinity of wells, cisterns or ponds must not be treated. For those situations, contact your County Cooperative Extension Agent or consult a commercial pest control service. **DO NOT** treat soil that is water saturated or frozen, or in any conditions where run-off or movement from the treatment area (site) is likely to occur. **DO NOT** apply while it is raining. **DO NOT** use on pets. **DO NOT** use on edible plants. Spray drift onto these plants must be rinsed off immediately with water.

STORAGE AND DISPOSAL

STORAGE: Keep out of reach of children and animals. Store in original containers only. Protect from freezing. Store in a cool, dry place, preferably in a locked storage area and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into drink containers.

DISPOSAL: If empty: Nonrefillable. Do not reuse or refill this container. Securely wrap original plastic bottle in several layers of newspaper and place in trash or offer for recycling if available. **If party filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF

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If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV031110)

Menace is a registered trademark of Nufarm Americas Inc.

OPTIONAL MARKETING CLAIMS

- KILLS CARPENTER ANTS
- KILLS ON CONTACT (GUARANTEED)
- [1 QUART] [32 FLUID OUNCES] TREATS UP TO 10,600 SQ. FT.
- [1 QUART] [32 FLUID OUNCES] MAKES 64 GALLONS FOR BROADCAST INSECT APPLICATION
- [1 QUART] [32 FLUID OUNCES] MAKES 10 GALLONS FOR TERMITE CONTROL
- CONTROLS/KILLS WOOD-DESTROYING INSECTS
- [ALSO] KILLS TICKS THAT MAY TRANSMIT LYME DISEASE
- [ALSO] CONTROLS LAWN PESTS SUCH AS EUROPEAN CRANE FLIES, CHINCHBUG, SOD WEBWORM, GRASSHOPPERS & OTHER LISTED PESTS
- KILLS ANTS, EARWIGS, FLEAS, MITES, ROACHES, SILVERFISH, SPIDERS & OTHER LISTED PESTS
- AN EASY TO APPLY PRODUCT TO CONTROL LISTED WOOD-DESTROYING, HOME-INVADING AND LAWN INSECTS.
- KILLS LISTED INSECT PESTS ON TREES, SHRUBS, ROSES, FLOWERS, AND OTHER LANDSCAPE PLANTINGS.
- VIRTUALLY ODOR-FREE
- FAST-ACTING
- WATER-BASED
- EASY-TO-USE
- NON-STAINING