

PM-19

Reg # 5481-91

193

DEC 14 1995

H. R. McLane, Authorized Agent
AMVAC Chemical Corporation
4100 East Washington Blv.
Los Angeles, CA 90023

Dear Mr. McLane:

Subject: Add use
Durham Metaldehyde Granules 3.5
EPA Registration No. 5481-91
Your submission of September 22, 1995

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), sec. 3(c)(7)(A), is acceptable provided that you:

1. Submitted and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

DHE

Dennis H. Edwards, Jr.
Product Manager (19)
Insecticide Rodenticide Branch
Registration Division (7505C)

Enclosure

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BEST COPY AVAILABLE

DURHAM

METALDEHYDE GRANULES

A SOIL SURFACE TREATMENT FOR CONTROL OF SNAILS & SLUGS
ORCHARDS - SMALL FRUITS AND BERRIES - VEGETABLE GARDENS
CROPS - FIELD CROPS - DICHONDRA and TURFGRASS LAWNS - FORELAWNS

AGRICULTURAL USE REQUIREMENTS (Continued) Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: long sleeved shirt and long pants, waterproof gloves and shoes plus socks.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store product in original labeled container in a cool, dry, locked place out of reach of children. Keep container tightly closed when not in use. Do not store in direct sunlight. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill, or by incineration, or, if allowed by State & local authorities, by burning. If burned stay out of smoke.

IMPORTANT

Read entire label. Use in accordance with precautionary statements and directions, and with applicable Federal and State regulations. **DO NOT APPLY DIRECTLY ONTO PLANTS.** Do not allow bait to contact the edible portions of any food crop.

USE PRECAUTIONS

Read entire label before using. Use only as a baiting treatment to be applied directly to the soil area beneath plants as listed on this label. Do not allow bait granules to come in contact with parts of plant that may be used for food or feed purposes. The grower is responsible for residues on his crops, as well as for damages caused by drift from his property to that of others. Do not allow to drift to adjoining food, fiber or pasture crops. NOTE Durham Metaldehyde Granules 3.5 should never be applied to dry soil. Applications should be made following an irrigation for best results. Apply any time of the day but evening applications are preferred. Do not re-water for 48 hours after application.

APPLICATION RATE

For control of SNAILS and SLUGS in the following areas, use 1 lb. to treat 1,100 to 1,500 sq. ft. of soil surface equivalent to 30 to 40 pounds granules per acre. Apply when first plant damage appears or is anticipated and repeat as needed for control.

FIELD CROPS

Cereal Grains (Barley, Oats, Wheat), Corn, Legumes (Alfalfa, Beans, Clover, Cowpeas, Peas), Mint: Apply up to 40 pounds per acre.

DICHONDRA AND/OR TURFGRASS LAWNS

Water infested area thoroughly before application. Broadcast Durham Metaldehyde Granules 3.5 directly on lawn or turf. Spread evenly. One pound will cover up to 1,500 sq. ft. Do not re-water for 48 hours.

ORNAMENTAL PLANTS

ORNAMENTAL GARDENS, PLANTED BORDERS AND GROUND COVER: Including Azaleas, Begonias, Camellias, Chrysanthemums, Daffodils, Daisies, Geraniums, Honeysuckle, Hydrangeas, Ice Plant, Impatiens, Iris, Mangolds, Pansies, Petunias, Rhododendron, Rose, Sweet Peas, Snapdragons, Spathiphyllum, Tulips. Water the infested area thoroughly before application. Broadcast or sprinkle Durham Metaldehyde Granules 7.5 evenly over the infested areas and along edges of flower beds adjacent to border or ground cover plants. Also apply on ground at base of fences and walls in shady, protected locations. One pound will cover up to 1,100 sq. ft. Do not re-water for 48 hours.

ACTIVE INGREDIENT:

Metaldehyde (2,4,6,8-tetramethyl -1,3,5,7-tetraoxocyclo-octane)

INERT INGREDIENTS:

Total

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water to induce vomiting by touching back of throat with finger. Do not induce vomiting or give any food or drink to an unconscious or convulsing person. **IF ON SKIN:** Wash with soap and warm water. If irritation persists, get medical attention.

THIS PESTICIDE MAY BE FATAL TO DOGS OR OTHER PETS IF EATEN. KEEP PETS OUT OF TREATED AREA.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DO NOT TAKE INTERNALLY. DO NOT GET IN EYES. DO NOT GET ON SKIN, ON SKIN OR ON CLOTHING. If poisoning occurs, obtain prompt medical aid. Keep granules and pets. Bait may be attractive to dogs. Confine pets during application to prevent them from eating bait.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants; waterproof gloves plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Wash clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Immediately after handling this product, wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

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.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. If you have any questions regarding requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through contaminated equipment, during application.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 29 CFR 170. This Standard contains requirements for the protection of agricultural workers on farms, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, notification, and emergency assistance. It also contains specific exemptions pertaining to the statements on this label about personal protective equipment. The requirements in this box only apply to uses of this product that are listed by the Worker Protection Standard.

EPA REG. NO. 5481-91

NET WEIGHT 50 POUND

EPA

AMVAC CHEMICAL CORP.

4100 EAST WASHINGTON BLVD. - LOS ANGELES, CALIF. 90010

DURHAM BEST COPY AVAILABLE

METALDEHYDE GRANULES 3.5

CONTROL OF SNAILS & SLUGS IN CITRUS GROVES- APPLE and PEACH BERRIES - VEGETABLE GARDENS - ORNAMENTAL GARDENS - SEED AND TURFGRASS LAWNS - FOR USE IN ORNAMENTAL GREENHOUSES.

ACCEPTED with COMMENTS in EPA Letter Dated

DEC 14 1995

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 5481-91

ACTIVE INGREDIENT:	Metaldehyde (2,4,6,8-tetramethyl -1,3,5,7-tetraoxycyclo-octane)	3.5%
INERT INGREDIENTS:		96.5%
	Total	100.0%



ORNAMENTAL GREENHOUSES

Water or irrigate greenhouse soil to be treated before application. Broadcast Durham Metaldehyde Granules liberally around greenhouse, under benches in greenhouses and around plants; any place where SNAILS and SLUGS might congregate. Do not apply directly to plants unless prior experience has shown the plant to be tolerant to this product. Most plants are tolerant to Durham Metaldehyde Granules 3.5 however some slight tip burning has been noticed on extremely tender orchids. One pound will cover up to 1,100 sq. ft. Do not re-water for 48 hours. NOTE: Durham Metaldehyde Granules 3.5 has proven to have a reasonable residual control, however for heavily infested greenhouses a second application is recommended 7 to 10 days following the first application to bring the house under control.

SEED CROPS

Flowers, Grasses, Legumes (Alfalfa, Beans, Clover, Peas), Sugar Beets, and Vegetables (Beets, Cabbage, Carrots, Collards, Kale, Kohlrabi, Lettuce, Mustard, Radish, Spinach, Swiss Chard, Tobacco, Turnips): Apply up to 40 pounds per acre.

SMALL FRUITS AND BERRIES

Blackberries, Blueberries, Cranberries, Loganberries Raspberries, Strawberries, Grapes: Apply up to 40 lbs. per acre.

TREE CROPS

Apples, Apricots, Avocados, Cherries, Peaches, Pears, Citrus (Oranges, Lemons, Grapefruit, etc.); Broadcast liberally under trees, around irrigation pipes, farm buildings and any other place where slugs and snails may congregate. Apply up to 40 lbs. per acre.

VEGETABLE CROPS AND GARDENS

Asparagus, Beans, Beets, Blackeyed Peas, Broccoli, Brussels Sprouts, Cabbage, Cantaloupe, Cucumbers, Eggplant, Endive, Garlic, Ginseng, Horseradish, Kale, Kohlrabi, Leeks, Lettuce, Melons, Mustard Greens, Okra, Onions, Parsnips, Peas, Peppers, Pimientos, Potatoes, Pumpkins, Radishes, Rhubarb, Rutabagas, Salafly, Shallots, Spinach, Squash, Sweet Potatoes, Swiss Chard, Tomatoes, Turnips, Watermelons. Apply up to 30 lbs to 40 lbs. per acre or up to 1 pound per 1,100 sq. ft. For Artichoke: Apply by air or ground application before tight bud stage, apply 30 to 70 pounds per acre. After tight bud stage, apply by round application only.

IMPORTANT: PLEASE READ BEFORE USE

By using this product, the user accepts the following LIMITED WARRANTY. AMVAC warrants that (a) this product conforms to the chemical description on its label; (b) this product is reasonably fit for the purposes stated on its label, subject to the inherent risks referred to herein, when used in accordance with its directions; and (c) that the directions, warnings, cautions, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and plants, of residues on food crops, and upon reports of field experience. Testing has not been performed on all varieties of food crops, and plants, in all states, or under all application, weather and crop conditions. There are no express warranties other than those set forth herein. Amvac neither makes nor intends, nor does it authorize any agent or representative to make, any other warranty, express or implied. Amvac expressly excludes and disclaims all implied warranties of merchantability, fitness for particular purpose, or any other warranty of quality or performance. This warranty does not extend to, and the user shall be solely responsible for, any loss or damage which results from the use of this product in any manner which is inconsistent with this label's directions, warnings or cautions. User's exclusive remedy and Amvac's or seller's exclusive liability for any claim, loss, damage, or injury resulting from the use or handling of this product, whether or not based in contract, negligence, strict liability in tort, or otherwise shall be limited, at Amvac's option, to replacement of, or repayment of the purchase price for, the quantity of product with respect to which damages are claimed. In no event shall Amvac or Seller be liable for special, indirect, or consequential damages resulting from the use or handling of this product. (91-AMD PM506-19-95/Rev 09-22-95)

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. IF ON SKIN: Wash with soap and warm water. IF IN EYES: Flush with flowing water. Get medical attention if irritation persists.

THIS PESTICIDE MAY BE FATAL TO DOGS OR OTHER PETS IF EATEN. KEEP PETS OUT OF TREATED AREA.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DO NOT TAKE INTERNALLY. DO NOT GET IN EYES. DO NOT GET ON SKIN. CAUTION: May be harmful if swallowed inhaled or absorbed through the skin. Do not breathe dust, get in eyes, on skin or on clothing. If poisoning occurs, obtain prompt medical aid. Keep granules away from dogs and pets. Bait may be attractive to dogs. Confine pets during application to prevent them from believing they are being fed.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants; waterproof gloves; and shoes plus socks. Follow manufacturer's instructions for cleaning, maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

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.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, notification, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Use at or at an approved waste disposal into application equipment. Then on, or, if allowed by State & local

statements and directions, and with DIRECTLY ONTO PLANTS. crop.

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GRASS LAWNS Durham Metaldehyde Granules 3.5 r up to 1,500 sq. ft. Do not re-water

ANTS O GROUND COVERS: Including Daisies, Geraniums, Honeysuckle, s, Petunias, Rhododendron, Rose, the infested area thoroughly before granules 7.5 evenly over the infested ground cover plants. Also apply on ions. One pound will cover up to

EPA REG. NO. 5481-91

NET WEIGHT 50 POUND

EPA EST. NO. 5481-CA-1

FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY TRANSPORTATION: CHEMTREC 1-800-424-9300 MEDICAL: HAZARD INFORMATION SERVICES (H.I.S.) 1-800-228-5635 Ext. 169

AMVAC CHEMICAL CORPORATION

4100 EAST WASHINGTON BLVD. - LOS ANGELES, CA 90023 U.S.A.