

Reg # 5481-91

PM-19

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

MAR 24 1994

H.R. McLANE
AMVAC CHEMICAL CORP.
4100 EAST WASHINGTON BLVD
LOS ANGELES, CA. 90023

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 12/14/93 in Response to PR Notice 93-7
EPA Reg. No. 5481-91
DURHAM METALDEHYDE GRANULES 3.5

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



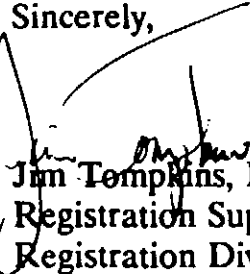
Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,

Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

BEST AVAILABLE COPY

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AMVAC CHEMICAL CORP
5481-91 12/14/93
DURHAM METALDEHYDE GRANULES 3.5
Original Submission

User Safety Recommendations must either be placed in a box or printed on the label in a contrasting color from surrounding text.

You may delete the respirator statement added to your proposed label. It is not required for your product.

Remove the statement "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." from its current position within the Agricultural Use Box and place it above the Agricultural Use Box.

You have incorrect wording in the second-to-last sentence in the first paragraph in the Agricultural Use Requirements box on your proposed label. The sentence must be as follows: "It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval."

Correct the typographical errors circled on your proposed label.

BEST AVAILABLE COPY

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

DURHAM

METALDEHYDE GRANULES

A SOIL SURFACE TREATMENT FOR CONTROL OF SNAILS & SLUGS IN ORCHARDS - BERRY CROPS - VEGETABLE GARDENS - ORNAMENTAL PLANTS - DICHONDRA and TURFGRASS LAWNS - FOR USE IN ORNAMENTAL LAWNS

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, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. 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. 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 and 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.

FRUIT 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 at the rate of 40 lbs. per acre.

ACTIVE INGREDIENT:

Metaldehyde (2,4,6,8-tetramethyl -1,3,5,7-tetraoxocyclo-octane) 3.5

INERT INGREDIENTS:

Total 96.5

100.0

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. **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 or mist 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 feed.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves plus socks and a Dust/Mist filtering respirator MSHA/NIOSH approval number prefix TC-23. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washing, use mild 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 a telephone. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothes. Remove PPE immediately after handling this product. Wash the outside of gloves before reuse. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not apply to 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 and requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

BEST AVAILABLE COPY

EPA REG. NO. 5481-91

NET WEIGHT 50 POUND

EPA EST

AMVAC CHEMICAL CORP.

4100 EAST WASHINGTON BLVD. - LOS ANGELES

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DURHAM

ALDEHYDE GRANULES 3.5

TREATMENT FOR CONTROL OF SNAILS & SLUGS IN CITRUS GROVES- APPLE and PEACH
BERRY CROPS - VEGETABLE GARDENS - ORNAMENTAL GARDENS - SEED GRASSES -
TURFGRASS LAWNS - FOR USE IN ORNAMENTAL GREENHOUSES

REQUIREMENTS

Under the Worker Protection Standard, for the protection of agricultural workers, handlers of agricultural pesticides, and handlers of agricultural pesticides, notification, and emergency and exceptions pertaining to the use of Personal Protective Equipment (PPE). The requirement in this Standard is that the employer must ensure that workers, handlers, or other persons, either directly or indirectly, are not exposed during application. Do not enter a restricted-entry interval (REI) of 12 hours. This product is registered under the Worker Protection Standard. Do not apply to plants that have been treated, such as plants, soil, or other surfaces, with gloves and shoes plus socks.

DISPOSAL

Store product in a secure place out of reach of children. Keep container tightly closed. Do not dispose of on site or at an approved site. Completely empty bag into application area, or by incineration, or, if allowed, into a container of smoke.

Directions and directions, and with label. Do not apply DIRECTLY ONTO PLANTS and soil.

APPLICATION

Product is to be applied directly to the soil. Do not apply granules to come in contact with plants. The grower is responsible for preventing drift from his property to that of adjacent property. NOTE: Durham Metaldehyde Granules 3.5 should be made in the day but evening applications are preferred.

RATE

Use 1 lb. to treat 1,100 to 1,500 sq. ft. of area. Apply when first signs of infestation are noted for control.

PLANTS

Apply to Apples, PEACHES, PEARS, and other fruit trees. Slugs and snails may congregate under trees, around trees, and in other areas.

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

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 feed.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants; waterproof gloves; shoes plus socks and a Dust/Mist filtering respirator MSHA/NIOSH approval number prefix TC-21C. 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 wetlands (swamps, bogs, marshes, and potholes). 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.

BERRY CROPS

BLACKBERRIES, BOYSENBERRIES, LOGANBERRIES, RASPBERRIES, STRAWBERRIES, For soil surface coverage; use up to 40 lbs. per acre.

VEGETABLE CROPS AND GARDENS

Artichoke, 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, Pimentos, Potatoes, Pumpkins, Radishes, Rhubarb, Rutabagas, Salsify, Shallots, Spinach, Squash, Sweet Potatoes, Swiss Chard, Tomatoes, Turnips, Watermelons, Apply up to 30 to 40 lbs per acre.

ORNAMENTAL PLANTS

ORNAMENTAL GARDENS, PLANTED BORDERS AND GROUND COVERS: Including Azaleas, Begonias, Camellias, Chrysanthemums, Daffodils, Daisies, Geraniums, Honey-suckle, Hydrangeas, Ice Plant, Impatiens, Iris, Marigolds, Pansies, Petunias, Rhododendron, Rose, Sweet Peas, Snapdragon, Spathiphyllum, Tulips. Water the infested area thoroughly before application. Broadcast or sprinkle Durham Metaldehyde Granules 3.5 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.

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 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 notice 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 GRASSES

Alfalfa, Barley, Hay, Oats, Wheat. Apply up to 40 lbs. per acre.

NOTICE: This product conforms to its chemical description and is reasonably fit for the purpose stated on the label, when used in accordance with directions under normal conditions of use. Manufacturer is not responsible for the use of this product contrary to the label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the manufacturer and/or seller and the buyer assumes the risk of any such use. (91-WPS.PM4/12-03-93 WPS)

BEST AVAILABLE COPY

EPA REG. NO. 5481-91 NET WEIGHT 50 POUND EPA EST. NO. 5481-CA-1

MVAC CHEMICAL CORPORATION

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