



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

H. R. McLane, Agent for
Amvac Chemical Corporation
7210 Red Road, Suite 206
Miami, Florida 33143-5321

JUN 20 2000

Subject: Durham Carbaryl Insecticide 5% Granules
EPA Registration No. 5481-90
Resubmission dated March 21, 2000 in Response to GDE.

Dear Mr. McLane:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you make the labeling changes indicated below before you release the product for shipment bearing the amended labeling:

1. The "Spreader Settings" section must be corrected. The settings should increase the amount of product delivered as you increase the desired pounds of product per unit of area. The present label does not demonstrate this.

Submit two copies of your final printed labeling before you release the product for shipment. A copy of the labeling stamped "Accepted with Comments" is enclosed for your records.

Sincerely,

George Tompkins
George Tompkins, Ph.D., Entomologist
Insecticide-Rodenticide Branch
Registration Division (7505C)

TICKS LAID - STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician of Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.

ON SKIN: Remove contaminated clothing and wash affected area with soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. Apply Artificial Respiration if indicated. Get medical attention.

NOTE TO PHYSICIAN: Carbaryl is a moderate reversible cholinesterase inhibitor. Atropine is Antidotal.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or inhaled. Avoid breathing dust. Avoid contact eyes, skin and clothing. Wash thoroughly after handling and before eating or smoking. Change to clean clothing daily. Do not contaminate feed or foodstuffs.

NOTE TO PHYSICIAN: Carbaryl is a moderate reversible cholinesterase inhibitor. Atropine is antidotal.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean low water mark. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment areas.

DIRECTIONS FOR USE

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

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open container. In case of spill; Avoid contact, isolate area and keep out animals and unprotected persons. Confine spills.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved wastes disposal facility. **CONTAINER DISPOSAL:** Do not reuse empty bag. Completely empty bag into 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.

GENERAL DIRECTIONS

FOR LAWNS, ORNAMENTAL & RECREATIONAL TURF

Use when insects first appear and/or plant damage is imminent. For best results, mow lawn first and then apply material. For root feeding insects irrigate or instruct the property owner to irrigate 1/4" to wash insecticide into the grass. *See watering limitations for Sod Webworms. Keep children and pets off treated areas until grass is dry. Repeat applications may be made as needed for control of new insect infestations.

SURFACE FEEDING INSECTS

FOR ANTS, ARMYWORMS, CENTIPEDES, CHIGGERS, CUTWORMS, EARWIGS, FALL ARMYWORMS, FIERY SKIPPERS, GRASSHOPPERS, JUNE BEETLES, LEAFHOPPERS, MILLIPEDES, SOW BUGS, SPITTLE BUGS, SPRINGTAILS, TICKS, AND YELLOWSTRIPED ARMYWORMS.

Apply 1 to 2 lbs./1,000 Sq.Ft. when insects become a problem or the damage is imminent. This is equivalent to 2 to 4 lbs. carbaryl per acre. Refer to General Directions.

EPA Reg. No. 5481-90

EPA Est. No. 5481-CA-1

Net Weight 4 - 15 Pounds

AMVAC CHEMICAL CORPORATION

4100 E. Washington Blvd. - Los Angeles, CA 90023 U.S.A.

GRASS BILLS, FLEAS, EUROPEAN CRANE FLY LARVAE, AND BLACK TURFGRASS ATAENIUS

Apply 3.66 lbs. per 1,000 sq. ft. of turf area (equal to 8 lbs. A.I./Acre) during late March through May or July to early September when Grubs are feeding near the soil surface or as recommended by local agricultural extension agents. Water or irrigate turf thoroughly soon after treatment to move the insecticide into the root feeding zone. See General Directions.

For **CRANE FLY LARVAE** apply at the same rate in early spring; April 1 to April 15th or as recommended by the local Extension Service. Irrigate area after treatment to move granules into root feeding zone.

FOR FLOWERING PLANTS AND SHRUBS IN LANDSCAPE and FOUNDATION PLANTINGS

For **CUTWORMS, ARMYWORMS, SOWBUGS, MILLIPEDES** and **CENTIPEDES** which attack ornamental and flowering plants in shrubbery and foundation plantings apply 2 lbs. granules evenly over 1,000 Sq.Ft. (20 x 50 ft). Repeat as needed for control up to 3 times per year.

SPREADER SETTINGS

| Spreader | Pounds of Product to use per 1,000 Sq.Ft. | | | |
|---------------------|---|--------|----------|-----------|
| | 1 lbs. | 2 lbs. | 3.0 lbs. | 3.66 lbs. |
| Cyclone B1 | xx | xxx | xxx | xxx |
| Scott Rotary R-8 | xxx | xx | xxx | xx |
| Scott Drop Spreader | xxxxx | xxx | xx | xx |

TREAT LAWNS AND PERIMETER WOODED AREAS FOR CONTROL OF TICKS THAT VECTOR "LYME DISEASE"

For control of juvenile and adult Ixodes spp. (Deer Tick and Black Legged Tick) and Amblyomma spp. ticks (Lone Star Ticks) which vector Lyme Disease. Apply granules at the rate of 3 to 3.66 pounds of product per 1000 sq.ft. with appropriate equipment to ensure uniform coverage. Target applications to control juvenile ticks (larvae and nymphs) in late spring or early summer (May/June). Control of adult ticks can be achieved with late summer and fall applications (Aug/Sept). Make applications to lawns, shrub beds, ornamental plantings, wooded areas and around outside perimeters of home and other buildings. Do not make spot applications. Treat entire lawn and perimeter wooded areas and property boundaries where exposure to ticks may occur. For optimum results, irrigate treated areas after application to remove chemical from the granules. Ticks may be reintroduced from surrounding areas on host animals. Retreat as necessary to maintain adequate control levels.

NUISANCE PEST CONTROL AROUND THE OUTSIDE OF HOMES, PORCHES, PATIOS AND BUILDINGS

For control of Ants, Armyworms, Ticks, Cutworms, Centipedes, Crickets, Earwigs, Firebrats and Silverfish, Fleas, Millipedes, Sowbugs, Scorpions and Spiders: Apply granules uniformly in an 8 foot band around the building. Apply granules at the rate of 3.66 lbs. per 1000 sq. ft. to shrub and flower beds, foundations, ornamental plantings and lawn and soil areas immediately adjacent to the building. For most effective control treated area should be lightly spray-misted after application to remove the chemical from the granules. Repeat treatments as necessary to control new infestations.



FIRE ANT CONTROL /MOUND TREATMENT

For control of Fire Ants in mounds occurring in lawns, turf and premise areas apply 3 to 6 ounces (15 to 30 tablespoonfuls) of granules over and around each mound. Then gently "spray-mist" the treated areas with about 1/4 to 1/2 gallon of water to release the chemical from the granules. Do not wash granules away from mound. For best results apply in cool weather (65° to 80°) or early morning or late afternoon. Retreat new mounds as they may appear.

ACCEPTED
with COMMENTS
In EPA Letter D-111
JUN 20 2000
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
5481-90

NOTE: This product conforms to its chemical description and is reasonably safe 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 buyer assumes the risk of any such use. (5481-90, P.65 103-21-00)