

JUN 10 1994

Ms. Vickie Forster
Nor-Am Chemical Company
Little Falls Centre One
2711 Centerville Road
Wilmington, Delaware 19808

Subject: Revised Labeling--Addition of
Ornamental Trees and Shrubs
Bendiocarb 1 1/2 G
EPA Registration Number 45639-139
Your Application Dated April 19, 1994

Dear Ms. Forster:

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 change indicated below before you release the product for shipment bearing the amended labeling:

On the front panel beneath the product name, revise the text to:

GRANULAR INSECTICIDE
For Use on Home Lawns, Ornamental Trees and Shrubs
DO NOT USE on Food Crops, Golf Courses, Sod Farms, or
Commercial Turf
NOT REGISTERED FOR SALE OR USE IN CALIFORNIA

Submit five (5) copies of your final printed labeling before you release the product for shipment

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

SPECIMEN LABEL

ACCEPTED
in EPA Letter Dated

JUN 10 1994

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

45639-139

Bendiocarb 1 1/2G

GRANULAR INSECTICIDE

For Use on Home Lawns and Other Ornamental Turf,
Ornamental Trees and Shrubs

DO NOT USE on Food Crops, Golf Courses, or Sod Farms
NOT FOR SALE OR USE IN CALIFORNIA

ACTIVE INGREDIENT:

Bendiocarb: (2,2-dimethyl-1, 3-benzodioxol-4-yl methylcarbamate*)

By Weight

1.5%

INERT INGREDIENTS:

98.5%

TOTAL

100.0%

*Protected by U.S. Patent No. 4,056,625

EPA Reg. No. 45639-139

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Repeat until the vomit fluid is clear. Call physician or Poison Control Center. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

IF ON SKIN: Remove contaminated clothing. Wash affected area with soap and water. Launder clothing before reusing.

IF IN EYES: Flush with plenty of water. Call a physician if irritation persists.

NOTE TO PHYSICIAN: Bendiocarb is a moderate, reversible cholinesterase inhibitor. Intravenous injection of atropine is antidotal.

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY INFORMATION

NOR-AM
NOR-AM CHEMICAL COMPANY
A Specialty Products Division

SPECIALTY PRODUCTS DIVISION
Little Falls Centre One
2711 Centerville Road
Wilmington, DE 19808

NET CONTENTS:

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed

Do not take internally. Do not breathe dust. Avoid contact with skin, eyes, or clothing. May be absorbed through the skin. Wear long sleeves. Change clothing daily. Wash hands thoroughly after handling. Keep children and pets off treated area during irrigation and until area has dried. Avoid contamination of feed and food-stuffs. Food utensils such as teaspoon or measuring cup should not be used for food after use with a pesticide.

ENVIRONMENTAL HAZARDS:

This pesticide is toxic to fish and wildlife. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of waste. Do not contaminate water when disposing of equipment washwaters. Collect, cover or incorporate granules spilled on soil surface. This product is highly toxic to bees exposed to direct treatment or to residues on plants.

IMPORTANT: Read the entire Directions for Use and Disclaimer of Warranties before using this product.

STORAGE AND DISPOSAL

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

STORAGE: Store this product in its original, closed container in a dry, locked area away from children and domestic animals. Do not reuse empty container.

PESTICIDE DISPOSAL: Do not reuse bag. Securely wrap in several layers of newspaper and discard in trash.

IN CASE OF FIRE, LEAKY, OR DAMAGED CONTAINERS, OR OTHER EMERGENCY, REPORT AT ONCE BY TOLL-FREE TELEPHONE TO: 800-424-9300.

GENERAL INFORMATION

BENDIOCARB 1½G is a broad spectrum residual insecticide for the control of certain insects on turf.

APPLICATION EQUIPMENT

BENDIOCARB 1½G is a granular formulation. Apply with a fertilizer spreader or equivalent equipment as uniformly as possible. The following table lists application equipment and recommended settings for that equipment for the application of BENDIOCARB 1½G:

Spreader Model	Pounds of Product per Acre	Recommended Settings	
		Once Over	Swath Width
Spyker (Rotary)	130	4.5	6 Ft
	200	5.0	6 Ft
Lasco (Rotary)	130	E	8 Ft
	200	F	8 Ft
Cyclone (B-1, 30, 96)	130	4.5	—
	200	5.0	—
Prizelawn-CBR (drop type)	130	5 to 5.5	Same as Spreader width
	200	6	
Scott Drop	130	8	21 inches
	200	10	21 inches

IMPORTANT: Please note that these settings are approximate as the condition of each piece of equipment can affect actual rates of application. Settings should be made after a calibration check is completed.

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 turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

USE RECOMMENDATIONS

Use BENDIOCARB 1½G to control specified pests of turf.

Apply BENDIOCARB 1½G to give complete and uniform coverage of the pest infested areas. Applications should be made using the rates shown below:

PEST	DOSAGE OF PRODUCT	APPLICATION PROCEDURE
White grubs of: Japanese Beetle, Black turf grass Ataenius, European chafer, Nonhem market chafer, Green June beetle, Annual white grub; Mole crickets	3-4.5 lbs. Per 1,000 sq. ft. (130-200 lbs per acre)	Apply when pests become evident. Control of grubs is best when they are still small; therefore, late summer treatments are preferable to spring. Apply uniformly to assure coverage, then irrigate thoroughly with ½ to ¾ inch of water.
Cinch bugs, Leafhoppers, Sod webworms, Ants, Brown dog Tick, Centipedes, Crickets, Earwigs, Firebrats, Fleas, Ground Beetles, Millipedes, Pillbugs, Scorpions, Silverfish, Sowbugs, Spiders.	1.5-3 lbs per 1,000 sq. ft. (65-130 lbs. per acre)	Apply when pests are evident. Use adequate quantity of water to thoroughly moisten grass and thatch.

Perimeter Treatment: To help prevent infestation of buildings by above pests, treat a band of soil 6 to 10 ft. wide around and adjacent to the building at a rate of 1.5 to 3.0 lbs. per 1,000 square feet.

Carpenter Ants: For control of Carpenter Ants around firewood piles. Treat the area where firewood is to be stacked at the rate of 1.5 to 3.0 lbs. per 1,000 square feet. After the firewood is in place, treat a 3 to 6 feet band around the woodpile. If the rows of wood are stacked so there is about 2" between them, repeated treatment of the woodpile can be made by sprinkling or shaking the granules between the rows. Retreat area as needed.

ORNAMENTAL TREES, SHRUBS, AND HOME LAWN RECOMMENDATIONS:

Use Bendiocarb 1½G to control specified pests of lawns and of the following non-edible ornamental trees and shrubs: Abies, Acer, Arborvitae, Azalea, Barberry, Birch, Boxwood, Brassia, Camellia, Cedar, Cephalotaxus, Cercis, Cherry, Cornus, Cytisaster, Crataegus, Crape Myrtle, Euonymus, Fatsia, Ficus, Fountain grass, Flowering almond, Flowering crabapple, Gardenia, Hemlock, Hydrangea, Ilex, Ixora, Japanese yew, Juniper, Ligustrum, Lilac, Loquat, Mahonia, Mimosa, Mock Orange, Nandina, Oleander, Paclisandra, Photinia, Picea, Pieris, Pine, Poinsettia, Pomegranate, Poplar, Prunus spp., Pseudotsuga, Pyracantha, Pyrus, Rhododendron, Rose, Sage palm, Schefflera, Spirea, Sycamore, Taxus, Thuja, Thuja, Viburnum, Weigela, Yaupon.

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LANDSCAPE PLANT RECOMMENDATIONS:

Use Bendiocarb 1½G to control specified pests of non-edible ornamental landscape plants including, but not limited to: Ageratum, Azarina, Begonia, Calendula, Celosia, Chrysanthemum, Coleus, Daffodil, Dahlia, Dianthus, Ferns, Fuchsia, Gazania, Geranium, Holly, Hypoestes, Impatiens, Iris, Ivy, Kalandra, Lily of the Valley, Marigold, Nasturtium, Nicotiana, Pansy, Petunia, Portulaca, Salvia, Shasta daisy, Snapdragon, Verbera, Vinca, and Zinnia.

Apply Bendiocarb 1½G to give complete and uniform coverage of the pest-infested areas.

Applications should be made below or around the landscaped area at the rates specified in the Application Equipment table.

PLANT SAFETY

BENDIOCARB 1½G has demonstrated excellent plant safety; however, all species and varieties have not been tested. When treating large numbers of plants of a single variety, treat a few plants and observe prior to full-scale application.

IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond NOR-AM Chemical Company's control, it is impossible for NOR-AM to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OR MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. UNDER NO CIRCUMSTANCES SHALL NOR-AM CHEMICAL COMPANY BE LIABLE FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES, OR DAMAGE RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT NOR-AM'S ELECTION, THE REPLACEMENT OF PRODUCT.

UNDER NO CIRCUMSTANCES, HOWEVER, SHALL NOR-AM CHEMICAL COMPANY HAVE ANY LIABILITY WHATSOEVER FOR CROP DAMAGE OR FAILED EFFICACY RESULTING FROM USE OF THIS PRODUCT FOR A PURPOSE OR ON A CROP OTHER THAN AS SET FORTH HEREON.

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