

MAY 8 1990

Ms. Lizbeth R. Huckaba
Rhone-Poulenc Ag Company
P.O. Box 12014
2 T.W. Alexander Dr.
Research Triangle Park, NC 27709

Dear Ms. Huckaba:

Subject: Revised Labeling
Sevin Brand Granular Carbaryl Insecticide
EPA Reg. No. 264-429
Your submission of 12/11/89

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 given below before you release the product for shipment bearing the amended labeling.

1. Use the correct spelling for generic name of deer tick: "Ixodes", not "Ixoides".
2. Delete the pest "bear tick" from the label.

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,

Dennis H. Edwards, Jr.
Product Manager (12)
Insecticide Rodenticide Branch
Registration Division (H7505C)

CONCURRENCES								
SYMBOL								
SURNAME								
DATE								

SEVIN® brand Granular Carbaryl Insecticide - PENDING-12/8/89

SEVIN® brand Granular Carbaryl Insecticide

For Commercial Use Only

ACTIVE INGREDIENT:

Carbaryl (1-naphthyl N-methylcarbamate)..... 6.3% by wt.

INERT INGREDIENTS: 93.7% by wt.

E.P.A. Reg. No. 264 - 429

E.P.A. Est. No. 264-MO-02

KEEP OUT OF REACH OF CHILDREN

CAUTION CUIDADO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

See Page 2 for additional Precautionary Statements.

For **EMERGENCY** Information **ONLY** Call 24 Hours A Day 1-800-334-7577

NET CONTENTS: _____

Made in U. S. A.

RHONE-POULENC AG COMPANY
P. O. Box 12014, 2 T. W. Alexander Drive
Research Triangle Park, NC 27709

**ACCEPTED
with COMMENTS
to EPA Letter Dated**

MAY 8 1989

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

264-429

SEVIN is a registered trademark of Rhône-Poulenc for carbaryl insecticides.

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

HARMFUL IF SWALLOWED OR ABSORBED THROUGH THE SKIN. OVEREXPOSURE MAY CAUSE: Salivation, watery eyes, pinpoint eye pupils, blurred vision, muscle tremors, difficult breathing, excessive sweating, abdominal cramps, nausea, vomiting, diarrhea, weakness, headache. In severe cases, convulsion, unconsciousness and respiratory failure may occur. Signs and symptoms occur rapidly following overexposure to this product.

Avoid breathing dust. Do not take internally. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling this product. Change to clean clothing daily. Bathe and wash hair after each work day. Do not eat, drink or use tobacco while working with this product. Wash hands and face before eating, drinking or using tobacco. Keep out of reach of children and domestic animals.

ANTIDOTE STATEMENT

ATROPINE SULFATE IS HIGHLY EFFECTIVE AS AN ANTIDOTE. Narcotics and other sedatives should not be used. Further, drugs like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended. See NOTE TO PHYSICIAN below.

STATEMENT OF PRACTICAL TREATMENT

GENERAL

Contact a physician immediately in all cases of suspected poisoning. Transport patient to a physician or hospital immediately and SHOW A COPY OF THIS LABEL TO THE PHYSICIAN. If poisoning is suspected in animals, contact a veterinarian.

IF SWALLOWED: Never give anything by mouth to an unconscious or convulsing person. If conscious and not convulsing, drink 1 to 2 glasses of water and induce vomiting by touching the back of the throat with finger.

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

IF ON SKIN: Wash thoroughly with soap and water.

IF INHALED: Move from contaminated atmosphere and call a physician.

NOTE TO PHYSICIAN

Carbaryl is a carbamate insecticide, which is a cholinesterase inhibitor. Overexposure to this substance may cause toxic signs and symptoms due to stimulation of the cholinergic nervous system. These effects of overexposure are spontaneously and rapidly reversible. Gastric lavage may be used if this product has been swallowed. Carbaryl poisoning may occur rapidly after ingestion and prompt removal of stomach contents is indicated.

Specific treatment consists of parenteral atropine sulfate. Caution should be maintained to prevent overatropinization. Mild cases may be given 1 to 2 mg intramuscularly every 10 minutes until full atropinization has been achieved and repeated thereafter when symptoms reappear. Severe cases should be given 2 to 4 mg intravenously every 10 minutes until fully atropinized, then intramuscularly every 30 to 60 minutes as needed to maintain the effect for at least 12 hours. Dosages for children should be appropriately reduced. Complete recovery from overexposure is to be expected within 24 hours.

Atropine is antidotal. Narcotics and other sedatives should not be used. Further drugs like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended.

To aid in confirmation of a diagnosis, urine samples should be obtained within 24 hours of exposure and immediately frozen.

Consultation on diagnosis, therapy and analysis can be obtained at all hours by calling the emergency number.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic and estuarine invertebrates. Do not apply directly to water and wetlands. Do not contaminate water by cleaning equipment or disposal of wastes. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN ANY MANNER INCONSISTENT WITH ITS LABELING

LAWNS, RECREATIONAL, AND ORNAMENTAL TURF AREAS

For control of turfgrass pests, apply granules uniformly to the turf grass. For optimum control, follow specific directions for proper watering or irrigation after application. Do not allow public use of treated area during application.

INSECT	POUNDS OF SEVIN® BRAND GRANULAR PER 1000 SQ. FT.	SPECIFIC DIRECTIONS
Ants, Armyworm, Centipedes, Chiggers, Chinch bugs, Crickets, Cutworms, Darkling ground beetles, Earwigs, Essex skipper, European chafer, Fall armyworm, Fiery skipper, Fleas, Grasshoppers, Green June beetle, Green June beetle grubs, Lawn moths (Sod webworm), Leafhoppers, Lucerne moth larvae, Millipedes, Sowbugs, Spittlebugs, Springtails, Ticks, Yellowstriped armyworm	2.2 to 3.0	For general insect control, apply granules uniformly when grass is dry. For most effective control, lawn should be watered lightly after application to remove chemical from the granule. Repeat applications may be made as needed to control new infestations.
White grubs (such as: Japanese beetle grubs, June beetle grubs, <i>Phyllophaga</i> spp. grubs, and other white grubs), Bluegrass billbug larvae, European crane fly larvae	3.0	For white grub control, applications should be made when grubs are feeding near the soil surface, usually during late March through May or July to early September, or as recommended by local agricultural extension agents. For most effective control, turf should be watered thoroughly after treatment to remove the chemical from the granules. Repeat applications may be made as needed to control new infestations.

NUISANCE PEST CONTROL IN AND AROUND FLOWER BEDS AND ORNAMENTAL PLANTINGS AND AROUND BUILDINGS

For control of ants, armyworms, ticks, cutworms, centipedes, crickets, earwigs, firebrats and silverfish, fleas, millipedes, sowbugs, scorpions and spiders; apply granules uniformly in a 6 foot band around the building. Apply granules at the rate of 5.8 ounces per 120 square feet (6 x 20 foot band) to shrub and flower beds, foundations, ornamental plantings, and lawn or soil areas immediately adjacent to the building. For most effective control, treated area should be lightly watered after application to remove the chemical from the granules. Repeat treatments as necessary to control new infestations.

IMPORTED FIRE ANT CONTROL

For use as a mound treatment to control imported fire ants, apply 1.5 to 3.0 ounces by weight over and around each fire ant mound. Irrigate mound thoroughly immediately after treatment to remove the chemical from the granules and flush it down into the mound. A minimum of 1 gallon of water should be applied to each mound but do not use more than 2 gallons of water as flooding of the mound may result. Apply water gently to avoid disturbing ants and causing migration before chemical can be effective. For best results, apply in the early morning or late evening hours when ants are least active. Treat new mounds as they appear.

CONTROL OF TICKS WHICH VECTOR LYME DISEASE

For control of juvenile and adult *Ixoides spp.* ticks (Deer tick, Bear tick, and Black legged tick) and *Amblyomma spp.* ticks (Lone star tick) which vector Lyme Disease. Apply granules at the rate of 2.5 to 3.0 pounds of formulated product per 1000 square feet with appropriate application 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.

STORAGE AND DISPOSAL

STORAGE

Store unused product in original container only, in cool, dry area out of reach of children and animals. Do not store in areas where temperatures frequently exceed 100°F.

If container is damaged, before cleaning up, put on long sleeved shirt, full length trousers, head covering, and protective gloves.

PESTICIDE DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. 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.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that

the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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