

SEP 12 1990

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

Dear Ms. Huckaba:

Subject: Label Expansion, Added Uses, Revised Confidential  
Statement of Formula  
Sevin Brand 5% Bait Carbaryl Insecticide  
EPA Registration No. 264-320  
Your Submission Dated June 29, 1990

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

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 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 section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

The revised basic and alternate Confidential Statements of Formula (CSF) are not acceptable for the reasons listed below:

1. The label claim must be the same as the lower certified limit in pure active form.

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CONCURRENCES

SYMBOL								
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2. The wide range between the upper and lower certified limits (columns 14a and 14b) for all ingredients is not acceptable. Normally, we allow for a variation of 3 to 10 percent from nominal concentration (column 13b), whereas you have shown variations of up to 100 percent and more. You need to revise the CSF according to Section 158.175 of Title 40 of the Code of Federal Regulations or give us a rationale for this wide range.

A stamped copy of the labeling is enclosed for your records. Submit a revised CSF within 60 days from the date of this letter.

Sincerely yours,

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

Enclosure

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SEVIN® brand 5% Bait Carbaryl Insecticide-PENDING-6/29/90

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

# SEVIN® brand 5% Bait Carbaryl Insecticide

SEP 12 1990

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

264-320

For Control of Insect Pests

**ACTIVE INGREDIENTS:**  
Carbaryl (1-naphthyl N-methylcarbamate) . . . 5% by wt.

**INERT INGREDIENTS:** . . . . . 95% by wt.

E.P.A. Reg. No. 264-320

E.P.A. Est. No. 10352-GA-01

## KEEP OUT OF REACH OF CHILDREN CAUTION

See page 2 for additional PRECAUTIONARY STATEMENTS.

IN CASE OF EMERGENCY, TELEPHONE COLLECT (24 HOURS A DAY) IN THE U.S.A. 1 (800)-334-7577.  
FOR GENERAL INFORMATION CALL 800-334-9745.

NET CONTENTS

Made in U.S.A.

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

SEVIN® is a registered trademark of Rhône-Poulenc Ag Company for carbaryl insecticides.  
APC Form No

### PRECAUTIONARY STATEMENTS

#### CAUTION

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

MAY BE HARMFUL IF SWALLOWED. Avoid breathing of dust. Do not take internally. Avoid contact with eyes, skin or clothing. Wear regular long-sleeved work clothing. Change to clean clothing daily. Wash hands and face before eating. Wash thoroughly after handling.

#### ANTIDOTE STATEMENT

ATROPINE SULFATE IS HIGHLY EFFECTIVE AS AN ANTIDOTE. See NOTE TO PHYSICIAN below.

#### STATEMENT OF PRACTICAL TREATMENT

##### GENERAL

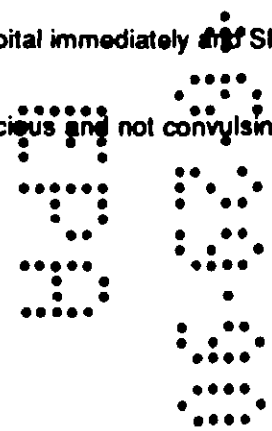
Contact a physician immediately in all cases of suspected poisoning. Transport to a physician or hospital immediately and SHOW A COPY OF THIS LABEL TO THE PHYSICIAN.

**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.



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**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.

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 whenever 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 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.

Narcotics and other sedatives should not be used. Further, drugs like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended unless organophosphate intoxication is also suggested.

To aid in confirmation of a diagnosis, urine samples should be obtained within 24 hours of exposure and immediately frozen. Analyses will be arranged by Rhône-Poulenc Ag Company.

Consultation on therapy can be obtained at all hours by calling the Rhône-Poulenc emergency number 1-800-334-7577.

**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.

**DIRECTIONS FOR USE**

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

**IMPORTANT PRE-HARVEST AND GRAZING USE INFORMATION**

Tolerances established under the Federal Food, Drug and Cosmetic Act permit the sale of crops bearing probable carbaryl residues when carbaryl is used in accordance with label directions. If SEVIN® carbaryl insecticide is used in accordance with label directions these crops including bean vines, carrot tops, pea vines, sugar beet tops, corn forage and cotton forage may be grazed or harvested for use as feed for dairy and meat animals without resulting in illegal residues in milk or meat.

Do not plant rotational food and feed crops not listed on this or other carbaryl labels in carbaryl treated soil.

Do not use reclaimed irrigation water from crops treated with carbaryl on upland crops for which carbaryl tolerances are not established.

Broadcast applications may be made with either ground equipment or aircraft. Treatments may be repeated as necessary. Dosages from 20-40 pounds per acre of SEVIN® brand 5% Bait Carbaryl Insecticide will control cutworms, armyworms, crickets, darkling ground beetles, grasshoppers, molecrickets and sowbugs (pillbugs).

**FIELD AND VEGETABLE CROPS**

CROP	DOSAGE/ACRE	PRE-HARVEST INTERVAL	SPECIFIC DIRECTIONS
Wheat	10-30 pounds	None (Forage) 21 Days (Grain)	Do not make more than 2 applications after grain heads emerge from boot. Do not apply within 21 days of harvest of grain. No time limitation on green wheat used as pasture or forage.
Cucumbers, squash, melons, peanuts	20 pounds	None	
Peas	30 pounds	3 Days	
Alfalfa, Cotton	30 pounds	7 Days	
Beans, carrots, corn, eggplants, okra, peppers, potatoes, tomatoes, and sweet corn	20-40 pounds	None	
Pastures, Rangeland, Wasteland	20-40 pounds	None	Treatment may be repeated as necessary. Lower rate is suggested for early instar grasshoppers cricket and armyworms on small plants or sparse vegetation. Use highest rate when grasshoppers and crickets are mature and armyworms are in late instars or when vegetation is dense.

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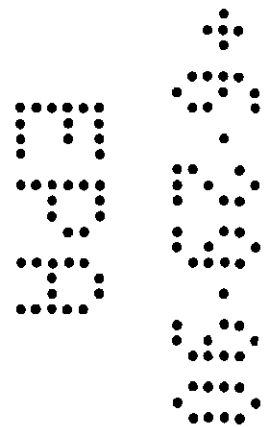
SEVIN® brand 5% Bait Carbaryl Insecticide-PENDING-6/29/90

FIELD AND VEGETABLE CROPS (CONT.)

CROP	DOSAGE/ ACRE	PRE-HARVEST INTERVAL	SPECIFIC DIRECTIONS
Asparagus, strawberries	20-40 pounds	1 Day	
Broccoli, brussels sprouts, cabbage, cauliflower, cowpeas, head lettuce, garden beets (roots), horseradish, parsnips, radishes, rutabagas, and turnips (roots)	20-40 pounds	3 Days	
Sugar beets, collards, ardiva (escarole), garden beets (tops), kale, leaf lettuce, parsley, spinach, Swiss chard and turnips (tops)	20-40 pounds	14 Days	

POULTRY HOUSES

SITE	INSECT	OUNCES OF SEVIN® brand 5% BAIT/1000 SQUAPE FEET	SPECIFIC DIRECTIONS
Poultry Houses (chickens, turkeys, ducks, geese, gamebirds, and pigeons)	Darkling beetle (Lesser mealworm or litter beetle)	48	<p>Apply bait uniformly to floor or litter area using appropriate equipment such as chest-carried fertilizer/seed spreader. Do not incorporate. It is not necessary to remove birds during application, but uniform coverage may be difficult to achieve with birds present. Do not contaminate feeding or watering units.</p> <p>Optimum treatment timings are: 1. Ten to 14 days after the birds are placed in the house and 2. two weeks after timing #1 above. One application at each of the two timings listed above should be made for heavy infestations. If only one application can be made, timing #1 should be followed.</p>



POULTRY HOUSES (CONT.)

SITE	INSECT	OUNCES OF SEVIN® brand 5%BAIT/1000 SQUARE FEET	SPECIFIC DIRECTIONS
Poultry Houses (Cont.) (chickens, turkeys, ducks, geese, gamebirds, and pigeons)	Darkling beetle (lesser mealworm or litter beetle)	48	<p>For best control of high darkling beetle populations: In addition to a bait application, walls, cracks, posts, crevices, and insulation around ventilation areas should be treated with a sprayable or a flowable formulation of SEVIN® brand carbaryl insecticide. Spray applications should be made immediately following removal of the flock from the house or immediately prior to introducing the flock into the house. All label directions and restrictions for the application of the liquid SEVIN® brand carbaryl insecticide formulation used should be carefully followed.</p> <p>Avoid spraying of nests, eggs and feeding and watering units.</p> <p>Do not treat poultry, game birds or their premises within 7 days of slaughter.</p>

TURFGRASS AND ORNAMENTAL PLANTS

SITE	INSECT	OUNCES OF SEVIN® brand 5%BAIT/1000 SQUARE FEET	SPECIFIC DIRECTIONS
Turfgrass	Armyworms Crickets Cutworms Darkling ground beetle Grasshoppers Mole crickets Sowbugs	8 to 16	<p>Treat entire area to obtain uniform coverage, giving particular attention to building perimeters, edges of sidewalks, and along porch and patio foundations. For best results, mow lawn, remove clippings, and thoroughly water area to be treated prior to application.</p>
Ornamental plants	Armyworms Crickets Cutworms Darkling ground beetle Grasshoppers Mole crickets Sowbugs	8 to 16	<p>Apply uniformly to soil around plants, shrubs, and trees. For best results, thoroughly water area to be treated prior to application.</p>

**STORAGE AND DISPOSAL**

**STORAGE**

Store unused SEVIN® brand 5% Bait Carbaryl Insecticide 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.

**PESTICIDE DISPOSAL**

Do not contaminate 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 bag is 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.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES 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 THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

