



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Judith A. Thompson  
HACCO, Inc.  
PO Box 7190  
Madison, WI 53707

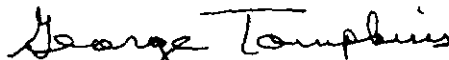
NOV 18 1999

Subject: SEVIN Brand Carbaryl Insecticide Bait Granules  
EPA Registration No. 61282-16  
Amendment dated September 15, 1999  
Label amendments as per the GDE dated August 6, 1999.

Dear Ms. Salsbury:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. A stamped copy is enclosed for your records. Submit two copies of your final printed labeling before you release the product for shipment.

Sincerely,



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

Sept. 15, 1999

2/11

**SEVIN® brand 5% Carbaryl Insecticide BAIT Granules**

For Field, Fruit and Vegetable Crops  
 Lawn, Garden & Premise Insect Control  
 For Flowers, Ornamental Plant Beds, Turfgrass Lawns,  
 Use for Outdoor Pest Control  
 To Attract and Kill Insect Pests Listed on this Label

**ACCEPTED**

NOV 18 1999

Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, the use of this product  
 registered under  
 EPA Reg. No. 61282-16

**ACTIVE INGREDIENT:**

Carbaryl (1-naphthyl N-methylcarbamate) ..... 5%

INERT INGREDIENTS: ..... 95%

TOTAL 100%

EPA Reg. No. 61282-16

EPA EST. No. 61282-WI-1

\*SEVIN is the registered trademark of Rhone-Poulenc for carbaryl insecticides.

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

PRECAUTIONARY STATEMENTS  
 HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
 CAUTION

MAY BE HARMFUL IF SWALLOWED. Avoid breathing dust. Do not take internally. Avoid contact with eyes, skin, or clothing.

**ANTIDOTE STATEMENT**

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

**PERSONAL PROTECTIVE EQUIPMENT**

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves and shoes plus socks.

Follow manufacturer's instructions for cleaning and maintaining Personal Protective Equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROLS STATEMENTS:**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides {40 CFR 170.240(d) (4-6)} the handler PPE requirements may be reduced or modified as specified in the WPS.

**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.

**STATEMENT OF PRACTICAL TREATMENT**

Carbaryl is an N-Methyl Carbamate Insecticide.

## **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.

## **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, if 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.

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

## **ENVIRONMENTAL HAZARDS**

This product is extremely toxic to aquatic and estuarine invertebrates and toxic to birds and other wildlife. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. 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.

Read entire label before using this product.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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.

### **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) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. 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: coveralls, waterproof gloves and shoes, plus socks.

### **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.

**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 bag is burned, stay out of smoke.

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

Tolerances established under Federal Food, Drug and Cosmetic Act permit the sale of crops bearing probable SEVIN residues when carbaryl is used in accordance with label directions. If SEVIN carbaryl insecticide is used in accordance with label direction, these crops, including bean vines, carrot tops, pea vines, sugar beet tops, and corn 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 apply at greater rates or at more frequent intervals than stated on the label -- to do so may result in illegal residues in crops, meat and milk.

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.

### **APPLICATION STATEMENT:**

Calibrate and adjust application equipment to insure proper rate and accurate placement.

## INSECT CONTROL

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

### FIELD, FRUIT & VEGETABLE CROPS

CROP	DOSAGE/ ACRE	PREHARVEST INTERVAL	SPECIFIC DIRECTIONS
Asparagus	20-40 pounds (7 $\frac{1}{3}$ -14 $\frac{2}{3}$ ozs. per 1000 sq.ft.)	1 day	Repeat applications as necessary up to a total of 3 times prior to harvest or a total of 5 times per crop; but not more often than once every 3 days prior to harvest, nor more often than once every 7 days to ferns after harvest of spears. Do not apply more than a total of 120 pounds per acre before harvest of spears. Do not apply more than a total of 200 pounds per acre per year.
Beans, Lentils, Peas	30 pounds (11 ozs. per 1000 sq. ft.)	3 Days (fresh beans or peas)  14 Days (forage)  21 Days (dried beans or peas, seed or hay)	Repeat applications as necessary up to a total of 4 times but not more often than once every 7 days. Do not apply more than a total of 120 pounds per acre per crop
Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Chinese cabbage, Collards, Kale, Kohlrabi, Mustard greens	20-40 pounds (7 $\frac{1}{3}$ -14 $\frac{2}{3}$ ozs. per 1000 sq.ft.)	3 Days (Broccoli, Brussel Sprouts, Cabbage, Cauliflower, Kohlrabi)  14 Days (Collards, Chinese Cabbage, Kale, Mustard greens)	Repeat applications as necessary up to a total of 4 times but not more often than once every 7 days. Do not apply more than a total of 120 pounds per acre per crop.
Carrots, Garden Beets (roots), Horseradish, Parsnips, Potatoes, Radishes, Rutabagas, Salsify Sweet Potatoes Turnips (roots)	20-40 pounds (7 $\frac{1}{3}$ -14 $\frac{2}{3}$ ozs. per 1000 sq.ft.)	7 days	Repeat applications as necessary up to a total of 6 times but not more often than once every 7 days. Do not apply more than a total of 120 pounds per acre per crop.

CROP	DOSAGE/ ACRE	PREHARVEST INTERVAL	SPECIFIC DIRECTIONS
Celery, Dandelion, Endive(escarole), Garden beets (tops), Hanover Salad, Lettuce (head and leaf), Parsley, Rhubarb, Spinach, Swiss chard, Turnips (tops)	20-40 pounds (7 $\frac{1}{3}$ -14 $\frac{2}{3}$ ozs. per 1000 sq. ft.)	14 days	Repeat applications as necessary up to a total of 5 times but not more often than once every 7 days. Do not apply more than a total of 120 pounds per acre per crop.
Corn (field and pop)	20-40 pounds (7 $\frac{1}{3}$ -14 $\frac{2}{3}$ ozs. per 1000 sq. ft.)	14 days (forage, silage) 48 days (grain, fodder)	Repeat applications as necessary up to a total of 4 times but not more often than once every 14 days. Do not apply more than a total of 160 pounds per acre per crop.
Corn (sweet)	20-40 pounds (7 $\frac{1}{3}$ -14 $\frac{2}{3}$ ozs. per 1000 sq. ft.)	2 days (ears) 14 days (forage) 48 days (fodder)	Repeat applications as necessary up to a total of 8 times but not more often than once every 3 days. Do not apply more than a total of 320 pounds per acre per crop.
Cucumber, Melons, Squash	20 pounds (7 $\frac{1}{3}$ ozs. per 1000 sq. ft.)	3 days	Repeat applications as necessary up to a total of 6 times but not more often than once every 7 days. Do not apply more than a total of 120 pounds per acre per crop.
Eggplant, Peppers, Tomatoes	20-40 pounds (7 $\frac{1}{3}$ -14 $\frac{2}{3}$ ozs. per 1000 sq. ft.)	3 days	Repeat applications as necessary up to a total of 7 times but not more often than once every 7 days. Do not apply more than a total of 160 pounds per acre per crop.
Grain Sorghum	20-40 pounds (7 $\frac{1}{3}$ -14 $\frac{2}{3}$ ozs. per 1000 sq. ft.)	14 Days (grazing, forage) 21 Days (grain, fodder)	Repeat applications as necessary up to a total of 4 times but not more often than once every 7 days. Do not apply more than a total of 120 pounds per acre per crop.
Strawberries	20-40 pounds (7 $\frac{1}{3}$ -14 $\frac{2}{3}$ ozs. per 1000 sq. ft.)	7 days	Repeat applications as necessary up to a total of 5 times but not more often than once every 7 days. Do not apply more than a total of 200 pounds per acre per crop.  Carbaryl may injure Early Dawn and Sunrise varieties of Strawberries.

Sept. 15, 1999

7/11

CROP	DOSAGE/ ACRE	PREHARVEST INTERVAL	SPECIFIC DIRECTIONS
Sugar Beets	20-30 pounds	28 days (roots, forage)	Repeat applications as necessary up to a total of 2 times but not more often than once every 14 days. Do not apply more than a total of 60 pounds per acre per crop.
Wheat	10-30 pounds (7 $\frac{1}{3}$ -11 ozs. per 1000 sq.ft.)	7 Days (forage) 21 Days (grain, straw)	Up to 2 applications can be made but not more often than once every 14 days. Do not apply more than a total of 60 pounds per acre per crop.

# POULTRY HOUSES

SITE	INSECT	OUNCES OF SEVIN brand 5% BAIT/1000 SQUARE 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> <p>For best control of high darkling beetle populations: In addition to a bait application, walls, cracks, posts, crevice and insulation around ventilation areas should be treated with a sprayable or 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>



### 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 after application.

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	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.
Ornamental plants	Armyworms, Crickets, Cutworms, Darkling ground beetle, Grasshoppers, Mole Crickets, Sowbugs	8 to 16	Apply uniformly to soil around plants, shrubs, and trees. For best results, thoroughly water area to be treated prior to application.
Lawns, Recreational & Ornamental Turf Areas	Ants, Centipedes, Chiggers, Chinch bugs, Earwigs, Essex skipper, European chafer, Fall armyworm, Fiery skipper, Fleas, Green June beetle, Green June beetle grubs, Lawn moths (sod webworm),	44 to 60	Treat entire area to obtain uniform coverage, giving particular attention to building perimeters, edges of sidewalks, and along porch and patio foundations. Use lower rate before insects "build-up" and before turf is damaged. Use the higher rate when insects are numerous and turf damage is imminent. For best results mow lawn, remove clippings and apply material, then allow sprinklers to run for 15 minutes after application. Keep children and pets off treated area until grass is dry. Repeat application may be made at 30 day intervals or as needed for control of Sod Webworms, Chinch Bugs or Ants.

**LAWNS, RECREATIONAL, AND ORNAMENTAL TURF AREAS (CONT.)**

SITE	INSECT	OUNCES OF SEVIN brand 5% BAIT/1000 SQUARE FEET	SPECIFIC DIRECTIONS
Lawns, Recreational & Ornamental Turf Areas (cont.)	Leafhoppers Lucerne moth larvae, Millipedes, Spittlebugs, Springtails, Ticks, Yellow-striped armyworm		

**FOUNDATION "INSECT BARRIER" TREATMENT  
FLOWER BEDS, ORNAMENTAL PLANTINGS**

Apply 1 pound per 1,000 Sq. Ft. (32'x32') to all soil areas for use as a contact and bait control of Earwigs, Cutworms, Armyworms, Crickets, Sowbugs, Millipedes, Ants; and for contact control of Fleas; around the outside of buildings, under porches and foundation crawl spaces, in and around flower and ornamental plantings, along soil cracks next to buildings and as an insect barrier in a band 5 feet wide surrounding the foundation. For the insect "Barrier" sprinkle ½ lb. of granules in a 5 foot wide band 100 feet in length (500 Sq. Ft.).

**IMPORTED FIRE ANTS**

For control of Imported Fire ants, apply two to four ounces to each mound. Immediately irrigate with a minimum of 1 gallon of water to flush the chemical from the granule to the inside of the mound. Do not use over two gallons of water, as flooding of the mound will result in poor control. Apply water gently to avoid disturbing ants and causing migration from the mound. For best results, apply in the early morning or late evening hours when ants are least active. Treat new mounds as they appear.

**LIMITED WARRANTY AND DISCLAIMER**

MANUFACTURER AND SELLER WARRANT THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER AND SELLER. IN NO CASE SHALL MANUFACTURER AND SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

SEVIN brand 5% Carbaryl Insecticide Bait Granules

Page 10 of 10

Sept. 15, 1999

11/11

EXCEPT AS EXPRESSLY PROVIDED HEREIN, MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.

NET WEIGHT  
POUNDS

MANUFACTURED BY  
HACCO, INC.  
MADISON, WISCONSIN 53707 U.S.A.