

PM 19 264-429 P3 175

SEVIN® brand Granular Carbaryl Insecticide

For Commercial Use Only

ACTIVE INGREDIENT:

Carbaryl (1-naphthyl N-methylcarbamate).....7.0% by wt.

INERT INGREDIENTS:93.0% by wt.

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

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

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

For **MEDICAL** and **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577
For **PRODUCT USE** Information Call 1-800-334-9745

STATEMENT OF PRACTICAL TREATMENT

ACCEPTED
APR 30 1997
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 264-429

Carbaryl is an N-Methyl Carbamate Insecticide.

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. Get medical attention.

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.

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 poisoning is suspected in animals, contact a veterinarian.

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**.

NOTE TO PHYSICIAN

Treat symptomatically. Overexposure to materials other than this product may have occurred.

Carbaryl is an N-methyl 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 over atropinization. Improve tissue oxygenation as much as possible before administering atropine to minimize the risk of ventricular fibrillation. 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 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.

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. Analysis 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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS (& DOMESTIC ANIMALS)

CAUTION

HARMFUL IF SWALLOWED, ABSORBED THROUGH THE SKIN, INHALED, OR IF IN EYES

Avoid breathing vapors or dust. Avoid contact with eyes, skin or clothing. Keep out of reach of children and domestic animals.

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.**

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.

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.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic and estuarine invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. 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 a manner inconsistent with its labeling.

Read the entire label before using this product.

Strictly observe label directions and cautions. 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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

The area being treated must be vacated by unprotected persons.

STORAGE AND DISPOSAL

STORAGE

Store unused SEVIN® brand Granular 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.

If container is damaged, before cleaning up, put on Personal Protective Equipment.

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.

GENERAL CAUTIONS AND RESTRICTIONS

SEVIN® brand Granular Carbaryl Insecticide is granular formulation of carbaryl which may be applied by ground equipment.

PLANT RESPONSE PRECAUTIONS

Application to wet foliage or during periods of high humidity may cause injury to tender foliage.

PREHARVEST AND GRAZING RESTRICTIONS AND LIMITATIONS

Tolerances established under the Federal Food, Drug and Cosmetic Act permit the sale of labeled crops bearing probable carbaryl residues when this product is used in accordance with the label directions. If used as directed, treated forage may be grazed or used as feed for dairy and meat animals without causing illegal residues in meat or milk. 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 use reclaimed irrigation water from crops treated with carbaryl on crops for which carbaryl tolerances are not established.

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

APPLICATION STATEMENT

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

SPECIFIC USE DIRECTIONS

TURFGRASS

For control of turfgrass pests, apply granules uniformly to dry turfgrass. For optimum control, follow specific directions for proper application and irrigation.

CROP	PEST	POUNDS OF SEVIN® GRANULAR PER 1000 SQ.FT.	SPECIFIC DIRECTIONS																												
Turfgrass such as: golf turf, sports fields, sod farms, domestic and commercial lawns, cemeteries, parks, campsites, recreational areas.	<table border="0"> <tr> <td>Ants</td> <td>Lucerne moth</td> </tr> <tr> <td>Armyworm</td> <td>Millipedes</td> </tr> <tr> <td>Centipedes</td> <td>Mosquitoes (adults)</td> </tr> <tr> <td>Chiggers</td> <td>Scarab beetle adults (such as May beetle, June beetle, Japanese beetle, green June beetle)</td> </tr> <tr> <td>Chinch bugs</td> <td>Sod webworm (lawn moths)</td> </tr> <tr> <td>Cutworms</td> <td>Sowbugs</td> </tr> <tr> <td>Earwigs</td> <td>Spittlebugs</td> </tr> <tr> <td>Essex skipper</td> <td>Springtails</td> </tr> <tr> <td>European chafer</td> <td>Ticks</td> </tr> <tr> <td>Fall armyworm</td> <td>Yellowstriped armyworm</td> </tr> <tr> <td>Fiery skipper</td> <td></td> </tr> <tr> <td>Grasshoppers</td> <td></td> </tr> <tr> <td>Green June beetle larvae</td> <td></td> </tr> <tr> <td>Leafhoppers</td> <td></td> </tr> </table>	Ants	Lucerne moth	Armyworm	Millipedes	Centipedes	Mosquitoes (adults)	Chiggers	Scarab beetle adults (such as May beetle, June beetle, Japanese beetle, green June beetle)	Chinch bugs	Sod webworm (lawn moths)	Cutworms	Sowbugs	Earwigs	Spittlebugs	Essex skipper	Springtails	European chafer	Ticks	Fall armyworm	Yellowstriped armyworm	Fiery skipper		Grasshoppers		Green June beetle larvae		Leafhoppers		2.2 to 3.0	For effective control, irrigate after application to remove chemical from granules. Repeat applications as necessary up to a total of 4 times per year but not more often than once every 7 days.
Ants	Lucerne moth																														
Armyworm	Millipedes																														
Centipedes	Mosquitoes (adults)																														
Chiggers	Scarab beetle adults (such as May beetle, June beetle, Japanese beetle, green June beetle)																														
Chinch bugs	Sod webworm (lawn moths)																														
Cutworms	Sowbugs																														
Earwigs	Spittlebugs																														
Essex skipper	Springtails																														
European chafer	Ticks																														
Fall armyworm	Yellowstriped armyworm																														
Fiery skipper																															
Grasshoppers																															
Green June beetle larvae																															
Leafhoppers																															
	<table border="0"> <tr> <td>Billbug larvae</td> <td>Black turfgrass ataenius beetle larvae</td> </tr> <tr> <td>European crane fly larvae</td> <td>Hyperodes weevil (bluegrass weevil) larvae</td> </tr> <tr> <td>Fleas</td> <td></td> </tr> <tr> <td>White grubs (such as Japanese beetle larvae, Chafer beetle larvae, and <i>Phyllophaga</i> spp. larvae, and annual white grubs)</td> <td></td> </tr> </table>	Billbug larvae	Black turfgrass ataenius beetle larvae	European crane fly larvae	Hyperodes weevil (bluegrass weevil) larvae	Fleas		White grubs (such as Japanese beetle larvae, Chafer beetle larvae, and <i>Phyllophaga</i> spp. larvae, and annual white grubs)		3.0	For effective control of subsurface pests, apply when insects are actively feeding near the soil surface, usually during late March through May, or July through early September, or as recommended by local Agricultural Extension Service Agents. Irrigate thoroughly after application to remove chemical from granules and move it down into the thatch. Repeat applications as necessary up to 2 times per year but not more often than once every 7 days.																				
Billbug larvae	Black turfgrass ataenius beetle larvae																														
European crane fly larvae	Hyperodes weevil (bluegrass weevil) larvae																														
Fleas																															
White grubs (such as Japanese beetle larvae, Chafer beetle larvae, and <i>Phyllophaga</i> spp. larvae, and annual white grubs)																															

RESTRICTIONS AND LIMITATIONS: TURFGRASS

- DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATION.

CONTROL OF TICKS WHICH VECTOR LYME DISEASE

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

Begin applications in late spring or early summer (May/June). Apply the recommended amount of product uniformly across the entire lawn, perimeter wooded areas, and property boundaries including shrub beds, ornamental plantings, and wooded areas where exposure to ticks may occur. For optimum results, irrigate treated areas after application to remove chemical from granules.

IMPORTED FIRE ANTS

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. Thoroughly irrigate mound 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.

NUISANCE PEST CONTROL

For use in and around flower beds and ornamental plantings and around buildings.

PEST	POUNDS OF SEVIN® GRANULAR PER 1000 SQ.FT.	SPECIFIC DIRECTIONS
Ants Armyworms Ticks Centipedes Crickets Cutworms Earwigs Firebrats Fleas Millipedes Scorpions Silverfish Spiders	3.0	Observe plant response precautions. Apply granules in a 6 foot band around the building, 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.

NUISANCE PEST CONTROL IN VEGETABLES AND IN SMALL FRUITS AND BERRIES (NOT FOR USE IN CALIFORNIA)

For control of Ants, Centipedes, Crickets, Cutworms, Earwigs, Grasshoppers, Millipedes, Sowbugs (Pillbugs), Springtails, and Ticks, apply 0.75 pound per 1000 sq. ft. evenly over the soil surface. Water lightly after application to release the chemical from the granules. Applications may be made at any time before, during or after the growing season. Do not make more than 4 applications per year or apply more often than once every 7 days during the growing season. Do not use on crops other than those listed below. Observe the following preharvest intervals for applications during the growing season:

PHI in Days	Crops
1	Asparagus
2	Sweet Corn
3	Broccoli, Brussel sprouts, Cabbage, Cauliflower, Kohlrabi Fruiting Vegetables (including tomato, eggplant, pepper)
7	Root and Tuber Vegetables (including beets, carrots, parsnips, rutabagas, salsify, turnips, potatoes) Sweet potatoes
	Small Fruit and Berry crops (including grapes, strawberries, blackberries, dewberries, raspberries, blueberries)
14	Leafy Vegetables (including celery, dandelion, endive, lettuce, parsley, rhubarb, spinach, swiss chard) Chinese cabbage, Collards, Kale, Mustard Peanuts

575

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.

Rhône-Poulenc Ag Company
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709

SEVIN® is a registered trademark of Rhône-Poulenc.

SEVIN® brand Granular Carbaryl Insecticide For Commercial Use Only (MASTER) Approved 7/9/96