

9/22/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460-0001

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Viachem LLC  
707 Broadhollow Rd  
Suite 28  
Farmingdale, NY 11735-3903

SEP 22 2009

Subject: Agency March 25, 2009 Letter/Carbaryl  
Turf and Garden Seven % Granular Carbaryl Insecticide  
Reg. 82200-1  
Your Application Dated June 19, 2009

Dear Mr. Rose,

The label referred to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with the revisions noted below. A stamped copy is enclosed for your records. Within 45 days from the date of this letter, two copies of a final printed label must be submitted incorporating the changes below. You may distribute products bearing the old label for 12 months from receipt of this letter or until the next printing of the label, whichever comes first.

- Change "For Outdoor Home Insecticide Use Only" to read "Intended for Outdoor Home Insecticide Use".
- Under the DIRECTIONS FOR USE, delete the word "RESTRICTIONS".
- Delete the sentences "For areas less than 1000 square feet, a shaker can may be used. If a shaker can is used, generally a container capacity of 1 to 3 pounds is sufficient. Consult the specific Use Directions for appropriate amounts of this product to scoop or pour from the product container into the shaker can."
- Delete the term "CROP" on page 4.

If you have questions, email Joanne Edwards at [edwards.joanne@epa.gov](mailto:edwards.joanne@epa.gov) or by telephone at (703) 305-6736.

Sincerely yours,

A handwritten signature in black ink that reads "Joanne S. Edwards".

Joanne S. Edwards  
Insecticide-Rodenticide Branch  
Registration Division (7504P)

# Turf and Garden Seven % Granular Carbaryl Insecticide

For Outdoor Home Insecticide Use Only

Active Ingredient: Carbaryl (1-naphthyl N-methylcarbamate).....	7.0% by wt.
Other Ingredients: .....	93.0% by wt.
Total	100.0%

E.P.A. Reg. No. 82200 - 1

E.P.A. Est. No.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

For MEDICAL and TRANSPORTATION Emergencies ONLY  
Call 24 Hours A Day at CHEMTREC (800) 424-9300

For PRODUCT USE Information Call (631) 752-8700

FIRST AID	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious or convulsing person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

### MEDICAL INFORMATION

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. See NOTE TO PHYSICIAN.

### NOTE TO PHYSICIAN

Carbaryl is a N-methyl carbamate insecticide, which is a cholinesterase inhibitor. Atropine is antidotal. Narcotics and other sedatives should not be used. Further, drugs like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended.

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

**ACCEPTED**  
With COMMENTS  
In EPA Letter Dated:

SEP 22 2009  
Under the Federal Insecticide, Fungicide  
and Rodenticide Act, As amended, for the  
pesticide Registered under EPA Reg. No:

82200-1

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

**HARMFUL IF SWALLOWED. HARMFUL IF ABSORBED THROUGH THE SKIN.**

Avoid contact with eyes, skin or clothing. Wear long-sleeved shirt, long pants, shoes plus socks and chemical resistant gloves when handling this product. Change clothing as soon as possible after use. Wash the outside of gloves before removing. Wash hands thoroughly with soap and water immediately after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Keep and wash contaminated clothing separately from other laundry. Do not allow children or pets to contact treated area until dust has settled.

**ENVIRONMENTAL HAZARDS**

This product is extremely toxic to aquatic invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

**STORAGE AND DISPOSAL**

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

**PESTICIDE 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**

Partially filled containers may be disposed of by securely wrapping original container in several layers of newspaper and discarding in trash.

**CONTAINER DISPOSAL**

Non-refillable container. Do not reuse or refill this container. Discard container in trash or offer for recycling, if available.

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## 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.**

### RESTRICTIONS

Turf and Garden Seven % Granular Carbaryl Insecticide is a granular formulation of carbaryl that may be applied by a properly calibrated push type spreader.

For areas less than 1000 square feet, a shaker container may be used. If a shaker can is used, generally a container capacity of 1 to 3 pounds is sufficient. Consult the specific Use Directions for appropriate amounts of this product to scoop or pour from the product container into the shaker can.

Do not apply product by hand, spoon or by using a belly grinder.

Apply when air is calm. For plants above chest height, consider using a liquid carbaryl product.

Do not apply this product in a way that will contact any person or pet, either directly or through drift.

Keep people and pets out of the area during application.

Do not allow people or pets to enter treated area until dusts have settled.

Product must be watered in immediately following application to lawns.

Do not allow people (except those involved in watering-in) or pets to enter the treated area until the watering-in is completed and the area has dried.

Not for use on plants grown for sale or commercial use, research, or commercial seed production.

For outdoor use only.

### PLANT RESPONSE PRECAUTIONS

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

### APPLICATION STATEMENT

Calibrate and adjust spreader to insure specified rate and accurate placement.

## USE DIRECTIONS

### RESIDENTIAL LAWNS

To kill listed pests, apply granules uniformly to dry grass using a spreader. Follow specific directions for proper application and irrigation. Will kill pests present only at the time of application. Pests must be directly contacted to be effective. Repeat applications as needed up to a total of 4 times per year. Do not apply more often than once every week.

CROP	PEST	POUNDS OF TURF AND GARDEN GRANULAR CARBARYL PER 1000 SQ. FT.	SPECIFIC DIRECTIONS
Residential Lawns, and Ornamentals such as evergreens, shrubs, flowering plants, and foliage plants	Ants (except harvester, pharaoh, and carpenter ants) Armyworm Centipedes Chiggers Chinch bugs Cutworms Earwigs Essex skipper European chafer Fall armyworm Fiery skipper Grasshoppers Green June beetle larvae Leafhoppers	2.8	Irrigate immediately after application to remove chemical from granules.

	<p>Billbug larvae          European crane fly larvae          Fleas          White grubs (such as Japanese beetle larvae, Chafer beetle larvae, and <i>Phyllophaga</i> spp. larvae and annual white grubs)          Black turfgrass          Ataenius beetle larvae          Hyperodes weevil (bluegrass weevil larvae)</p>	<p>2.8</p>	<p>To kill 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 immediately after application to remove chemical from granules and move it down into the thatch to kill subsurface pests that are actively feeding near the soil surface.</p>
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**TO KILL TICKS WHICH MAY VECTOR LYME DISEASE**

To kill 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 0.35 pounds of formulated product per 1000 square feet. Will only kill ticks that are present at the time of application. Ticks must be directly contacted to be effective.

Begin applications in late spring or early summer (May/June). Apply the 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. Irrigate treated areas immediately after application to remove chemical from granules. Repeat applications as needed up to a total of 4 times per year. Do not apply more often than once every week.

**TO KILL NUISANCE PESTS**

For use in and around flower beds and ornamental plantings and around the outside of homes, porches, patios, and storage sheds. Will only kill listed target pests that are present at time of application. Pests must be directly contacted to be effective. Repeat applications as needed up to a total of 4 times per year. So not apply more often than once every week.

PEST	POUNDS OF TURF AND GARDEN GRANULAR CARBARYL PER 1000 SQ. FT.	SPECIFIC DIRECTIONS
Ants (except harvester ants, pharaoh ants, and carpenter ants) Armyworms Centipedes Crickets Cutworms Earwigs Firebrats Fleas Millipedes Scorpions Silverfish Spiders	2.8	Observe plant response precautions.  Apply granules in a six (6) foot band around outer perimeter of buildings, to shrub and flower beds, foundations, ornamental plantings, and lawn or soil areas immediately adjacent to buildings. Treated area must be watered in immediately after application.

**TO KILL NUISANCE PESTS IN VEGETABLES AND SMALL FRUITS  
(NOT FOR USE IN CALIFORNIA)**

To kill Ants, Centipedes, Crickets, Cutworms, Earwigs, Grasshoppers, Millipedes, Sowbugs (Pillbugs), and Springtails, apply Turf and Garden Seven % Granular Carbaryl Insecticide 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 except as indicated in the specific directions for asparagus. Do not use on crops other than those listed below. Observe the preharvest intervals\* for applications during the growing season.

Will only kill pests that are present at the time of application. Pests must be directly contacted to be effective. Contact as many pests as possible.

CROP	POUNDS OF TURF AND GARDEN GRANULAR CARBARYL PER 1000 SQ. FT.	PRE-HARVEST INTERVAL* IN DAYS	SPECIFIC DIRECTIONS
Asparagus	0.30	1	Repeat applications as necessary up to a total of 3 times prior to harvest or a total of 4 times per year but not more often than once every 7 days.

Broccoli, Brussels sprouts, Cabbage, Cauliflower, Collards, Kale, Mustard greens, Kohlrabi, Chinese cabbage	0.65	3 (Broccoli, Brussels sprouts, Cabbage, Cauliflower, Kohlrabi)  14 (Chinese cabbage, Collards, Kale, Mustard greens)	Repeat applications as necessary up to a total of 3 times but not more often than every 7 days.
Eggplant, Peppers, Tomatoes	0.65	3	Repeat applications as necessary up to a total of 4 times per year but not more often than once every 7 days.
Carrots, Garden Beets (roots), Horseradish, Parsnips, Potatoes, Radishes, Rutabagas, Salsify, Sweet Potatoes, Turnips (roots)	0.65	7	Repeat applications as necessary up to a total of 3 times per year but not more often than once every 7 days.
Strawberries	0.65	7	Repeat applications as necessary up to a total of 4 times per year but not more often than once every 7 days. Carbaryl may injure Early Dawn and Sunrise varieties of strawberries.
Garden Beets (tops), Turnips (tops)	0.65	14	Repeat applications as necessary up to a total of 3 times per year but not more often than once every 14 days.

\*Pre-harvest interval: the time from treatment to harvesting. For brassica crops, leafy vegetables, and table beets (harvested for greens), use is restricted to application only within 30 days of plant emergence or the date of transplanting.

**NOTICE OF DISCLAIMER**

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL INJURY, LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS, OR CAUTIONS.

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