

432-1212

3/3/2010

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

MAR 03 2010

Attn: Gregory Mattern  
Bayer Environmental Science  
P.O. Box 12014  
2 T.W. Alexander Drive  
Research Triangle Park, NC

Subject: Application for Pesticide Notification (PRN 98-10)  
SEVIN Grub Killer Granules  
EPA Reg. No. 432-1212  
Application Dated March 3, 2010

Dear Ms. Oliver;

The Agency is in receipt of your filling of a revised Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6736 or electronically at [Edwards.joanne@epa.gov](mailto:Edwards.joanne@epa.gov).

Sincerely,  
*Joanne S. Edwards*

Joanne S. Edwards  
Insecticide-Rodenticide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

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United States  
**Environmental Protection Agency**  
 Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 432-1212	2. EPA Product Manager Joanne Edwards	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Sevin Grub Killer Granules	PM# 7	
5. Name and Address of Applicant (Include ZIP Code) Bayer Environmental Science P.O. Box 12014, 2 T.W. Alexander Drive Research Triangle Park, NC 27709 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

**Section - II**

Amendment - Explain below.  Final printed labels in response to Agency letter dated \_\_\_\_\_

Resubmission in response to Agency letter dated \_\_\_\_\_  "Me Too" Application.

Notification - Explain below.  Other - Explain below.

**NOTIFICATION**  
MAR - 3 2010

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Submission of Notification, in accordance with PR Notice 98-10, to add the following product claim: [Special Value! 25% More! (25% more than 20lb bag)]. This notification is consistent with the provision of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input checked="" type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container

3. Location of Net Contents Information  
 Label  Container

4. Size(s) Retail Container  
Various (up to 50 lbs)

5. Location of Label Directions  
 Container label

6. Manner in Which Label is Affixed to Product  
 Lithograph  
 Paper glued  
 Stenciled  Other \_\_\_\_\_

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Gregory C. Mattern	Title Regulatory Product Manager	Telephone No. (Include Area Code) (919) 549-2630
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**Certification**  
 I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature <i>Gregory C. Mattern</i>	3. Title Regulatory Product Manager	6. Date Application Received (Stamped)
4. Typed Name Gregory C. Mattern	5. Date March 2, 2010	

# SEVIN® GRUB KILLER GRANULES

## (2% SEVIN®)

**NOTIFICATION**  
MAR - 3 2010

**FOR OUTDOOR RESIDENTIAL USE ONLY**

[To Kill Fire Ants, Ticks (including those that may vector Lyme Disease)]  
[Easy to Use Granules]  
[Kills Japanese Beetles\*]  
[Slow Release Granules\*]  
[Bug Killer\*]  
[Kills Numerous (Over 30) Listed Pests on Lawns and Ornamentals \*]  
[\*Covers Up to \_\_\_\_\_ Square Feet]

[Use on Lawns, Ornamentals and around Home]  
[For Home Lawns]  
[For use on vegetables and fruits]  
[For outdoor use only]  
[Special Value! 25% More! (25% more than 20lb bag)]

**ACTIVE INGREDIENT:**

Carbaryl.....2.0%

**OTHER INGREDIENTS**..... 98.0%

\*CAS Number 63-25-2 Total..... 100.0%

**EPA Reg. No.432-1212**

**EPA Est.67572-GA-1**

Net Weight: 5 pounds [Covers up to 2,146 sq. ft.]  
Net Weight: 10 pounds [Covers up to 4,292 sq. ft.]  
Net Weight: 20 pounds [Covers up to 8,584 sq. ft.]  
[or other sizes up to 50 pounds]

### 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 1-866-99BAYER (1-866-992-2937)

<b>FIRST AID</b>	
<b>This product is a N-methyl carbamate and is a cholinesterase inhibitor</b>	
<b>If Swallowed</b>	<ul style="list-style-type: none"> <li>• Call 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 the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious 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>
<b>If in Eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
<p><b>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-xxx-xxxx for emergency treatment information.</b></p>	
<p><b>NOTE TO PHYSICIAN:</b> CARBARYL is an N-methyl carbamate insecticide which is a cholinesterase inhibitor. Specific antidote consists of atropine. Narcotics and other sedatives should not be used. Drugs like 2-PAM (pyridine-2-aldoxime methiodide) are not recommended.</p>	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Wear long-sleeved shirt and long pants, and shoes plus socks and chemical resistant gloves (household or latex rubber gloves) when handling this product. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash hands before eating, drinking, chewing gum, tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

#### Environmental Hazards

This product is extremely toxic to aquatic invertebrates. Do not apply directly to water or allow drift to water. 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.

### DIRECTION 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**

Strictly observe label directions and restrictions.

#### Restrictions

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

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.

For outdoor use only.

Do not apply by hand, spoon, or belly grinder.

Product must be watered in immediately following application.

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

### STORAGE AND DISPOSAL

**Storage:** Store in original container in a cool, dry place away from children and animals. Avoid excess heat.

**Disposal: If empty:** Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Place in trash or offer for recycling if available.

**If partly filled:** Call your local solid waste agency or 1-XXX-XXX-XXXX for disposal instructions. Never place unused product down any indoor or outdoor drain.

### LAWNS

Use when insects first appear and/or plant damage is imminent. Apply when air is calm. For best results, mow lawn first and then apply material uniformly to dry turfgrass using a spreader. Repeat applications as necessary up to a total of 4 times per year but not more often than once every 7 days.

Pests	Pounds of This Product / 1000 sq. ft.	Comments
Ants (except harvester, pharaoh and carpenter ants), Armyworms, Centipedes, chiggers, Chinch Bugs, Cutworms, Earwigs, Essex skipper, European chafer, Fall armyworm, Fiery skipper, Grasshoppers, Green June beetle larvae, Leafhoppers, Lucerene moth, Millipedes, Mosquitoes (young), Scarab beetle adults: such as May beetle, June beetle, Japanese beetle, Green June beetle, Sod webworm (lawn moths), Sowbugs, Spittlebugs, Springtails, Yellowstriped armyworms	2.25	Product must be watered in immediately following application.  For heavy infestations of Chinch bugs, increase rate to 5 lbs per 1000 sq. ft. and treat the entire area.  To effectively 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 guided by local agricultural extension service agents.
Billbug larvae, European crane fly larvae, Fleas, White grubs: Such as Japanese beetle larvae, Chafer beetle larvae, Phyllophaga spp. larvae, Annual white grubs, Black turfgrass atanius beetle larvae, Hyperodes weevil (bluegrass weevil larvae)	9	
Scorpions	5	
Fleas	7-9	
Ticks	1.15	

Will kill target pests that are present only at the time of application. Pest must be directly contacted for product to be effective.

#### Ticks That May Vector Lyme Disease

To kill juvenile and adult Ixodes spp. ticks (Deer Ticks and Black Legged Tick) and ticks (Lone Star Tick) which may vector Lyme Disease: Apply granules at the rate of 1.15 pounds of product per 1000 sq. ft. with a spreader to ensure uniform coverage. Target applications to kill juvenile ticks (larvae and nymphs) in late spring or early summer (May/June). Adult ticks can be killed with late summer and fall applications (August/September). Make applications to lawns, shrub beds, ornamental plantings, wooded areas and around outside perimeters of home and other buildings. Treat entire lawn and perimeter wooded areas and property boundaries where exposure to ticks may occur. Irrigate treated areas thoroughly after application to remove chemical from the granules and move down into thatch. Ticks may be reintroduced from surrounding areas or host animals. Reapply as necessary up to a total of 4 times per year, but not more often than once every 7 days. Will kill target pests that are present only at the time of application. Ticks must be directly contacted for product to be effective.

**Flowers and Shrubs (Ornamental Plantings) in Landscape and Foundation Plantings.**

Pests	Pounds This Product / 1000 sq. ft.	Specific Directions
Ants (except harvester, pharaoh and carpenter ants), Armyworms, Centipedes, Crickets, Cutworms, Earwigs, Firebrats, Silverfish, Spiders,	2.25 to 5	Application to wet foliage during periods of high humidity may cause injury to tender foliage.  Using a spreader, apply granules in a 6-foot band around the home, to shrub and flowerbeds, foundations, ornamental plantings and lawn or soil areas immediately adjacent to the home. Treated area must be thoroughly watered after application to remove the chemical from the granules.  Repeat as needed up to 3 times per year but do not apply more often than once every 7 days. Do not use on plants above chest height.
Fleas	7 to 9	
Scorpions	5	
Ticks	1.15	

Will kill target pests that are present only at the time of application. Pest must be directly contacted for product to be effective.

**Nuisance Pests Around the Outside of Homes, Porches, and Patios**

To kill Fleas: Apply granules at the rate of 4-9 lbs. per 1000 sq. ft.

To kill Ticks: Apply granules at the rate of 1.15 lbs. per 1000 sq. ft.

To kill Scorpions: Apply granules at the rate of 5 lbs. per 1000 sq. ft.

To kill Ants (except harvester, pharaoh and carpenter ants), Armyworms, Centipedes, Crickets, Cutworms, Earwigs, Firebrats, Millipedes, Silverfish, Sowbugs, Spiders:

Using a spreader, apply granules uniformly in an 8 foot band around the outside perimeter of home. Apply granules at the rate of 2 1/3 lbs. per 1000 sq. ft. to shrub and flower beds, foundations, ornamental plantings and lawn and soil areas immediately adjacent to the home. Treated area must be watered immediately after application to remove the chemical from the granules. Repeat application as necessary up to a total of 4 times per year, but not more often than once every 7 days. Will kill target pests that are present only at the time of application. Pest must be directly contacted for product to be effective.

**Nuisance Pests in listed Garden Vegetables and Strawberries**

To kill ants (except harvester, pharaoh and carpenter ants), centipedes, crickets, cutworms, earwigs, grasshoppers, millipedes, sowbugs (pillbugs) and springtails apply granules with a spreader at the rate given below. Water lightly after application to release the chemical from the granules. Begin applications when insect or damage is first observed and repeat as directed below. Will kill target pests that are present only at the time of application. Pest must be directly contacted for product to be effective.

Retreatment intervals (days between treatments) and other restrictions are found listed in the table below.

**Preharvest Use Limitation:** Observe the listed preharvest intervals (number of days between the last application and harvest) for application during the growing season.

Crop	Application Rate (lbs./1000 sq.ft.)	Maximum Yearly Application Rate (lbs./1000 sq.ft.)	Retreatment Interval Days	PHI (days)	Comments
Asparagus (spears)	2.3	6.9	3	1	Total maximum seasonal application rate is 11.5 lbs. per 1000 sq. ft. per crop. The total number of applications is 3 prior to harvest with 2 additional applications only to ferns.  *after harvest of spears
Asparagus (ferns*)	2.3	4.6	7	1	
Edible-podded legume vegetables including: Snap bean, wax bean, yardlong bean, jack bean, edible-pod pea, snow pea, sugar snap pea. Dried shelled beans and peas including: field bean, kidney bean, lima bean (dry), navy bean, pinto bean, adzuki bean, blackeyed pea, cowpea, mung bean, southern pea, lentil(dry).	1.7	6.9	7	3(EP) 21(D)	EP = edible-podded D = dried  Total number of applications per crop can be 4.  Use on succulent peas or beans is prohibited.
Garden beets (roots), Carrots, Horseradish, Radishes, Parsnips, Rutabaga, Salsify, Turnips (roots)	1.2 – 2.3	6.9	7	7	Total number of applications per crop can be 6 (some of which must be lower than the maximum single application rate)
Brussels sprouts, Broccoli, Cabbage, Cauliflower, Chinese Cabbage, Collards, Kale, Kohlrabi, mustard greens	1.7 – 2.3	6.9	7	3(A) 14(B)	A= Brussels sprouts, Broccoli, Cabbage, Kohlrabi and Cauliflower B= Chinese Cabbage, Kale, Collards, mustard greens Total number of applications per crop can be 4 (some of which must be lower than the maximum single application rate). Application is only permitted within 30 days of crop emergence or the date of transplanting.
Cucumber, melon, Squash	1.2	6.9	7	3	Total number of applications per crop can be 6
Garden Beets(top), Turnips (tops)	2.3	6.9	7	14	Total number of applications per crop can be 3
Potatoes	2.3	6.9	7	7	Total number of applications per crop can be 3
Strawberry	2.3	11.5	7	7	Total number of applications per crop can be 5
Tomato, Pepper, Eggplant	2.3	9.2	7	3	Total number of applications per crop can be 4

Sevin Grub Killer granules are applied using a ground spreader. Spreaders and settings are found in the table below. Do not repeat applications more often than indicated above.

[Add/delete or adjust settings as appropriate]

<b>Spreader Settings</b>		
<b>Pounds/1000 sq. ft.</b>		
<b>Spreader</b>	<b>2 1/3 lbs.</b>	<b>4 2/3 lbs.</b>
Scotts Even Green 18"	15	16*
Scotts Speedy Broadcast	14	15*
Red Devil Broadcast	12	13*
Red Devil Drop 20"	12	13*
Republic EZ Drop 18"	8	10
Republic EZ Broadcast	9	13*
Republic EZ Tractor Broadcast	9	13*
[Other Spreaders As Appropriate]	TBD	TBD

\*This number indicates a criss-cross application will be required to apply the number of pounds shown for 1000 sq. ft.

**[Alternative Spreader Settings for Peanut Hulls formulation]**

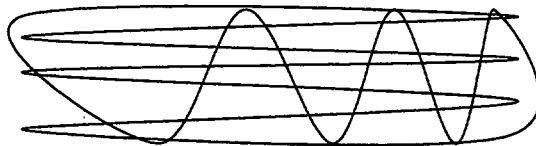
<b>Spreader</b>	<b>Type</b>	<b>Rate (lbs/1000 ft2)</b>	<b>Setting</b>
Scotts Precision Green P-4	Drop	2.25	8
		4.6	11
		6.8	14
		9.2	16.5
Cyclone Rotary	Rotary	2.25	5
		4.6	6
		6.8	8
		9.2	NA
Earthway Rotary	Rotary	2.25	14
		4.6	18
		6.8	27
		9.2	NA
Earthways Ev-N-Spred	Rotary	2.25	14
		4.6	18
		6.8	27
		9.2	NA
Republic EZ	Drop	2.25	9
		4.6	12
		6.8	13
		9.2	13
Scotts Speedygreen 3000	Rotary	2.25	8
		4.6	NA
		6.8	NA
		9.2	NA
Craftsman Rotary (0195)	Rotary	2.25	6
		4.6	10
		6.8	15
		9.2	NA
Precision EZ Spread SB550	Rotary	2.25	7
		4.6	9
		6.8	NA
		9.2	NA
Pursell's Sta-Green SB4500	Drop	2.25	3
		2.33	3.2
		4.6	4
		6.8	NA
Agri-Fab 85 lb. Spreader	Rotary	2.25	6



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Model #4503123062		4.6 6.8 9.2	7 8 10
Craftsman Model #486-19760	Drop	2.25 2.33 4.6	5 5.25 7
Scott Accugreen Model AG-3	Drop	2.25 2.33 4.6	8 9 12
Scott Speedygreen Model 1000	Rotary	2.25 2.33 4.6	3.75 4 7

NA: Not applicable, no setting for this rate.



[NOTICE: Research and testing have determined that the "Directions For Use" are appropriate for the proper use of this product under expected conditions. To the extent consistent with applicable law, the Buyer assumes responsibility for lack of performance or safety if not used according to the directions].

If you have a medical emergency, need consultation on diagnosis, therapy and analysis please call: [(xxx)-xxx-xxxx]  
 If you have questions relating to this product use or application, please call: [(xxx) xxx-xxxx]  
 If you have a product spill or transportation emergency call: [(xxx) xxx-xxxx]  
 For Material Safety Data Sheets please call [(xxx) xxx-xxxx].

Sevin is a registered trademark of Bayer

[Optional language (only if required by the State of CA):

WARNING: This product contains carbaryl, a chemical known to the State of California to cause [cancer] and [reproductive harm] in laboratory animals.]

PRODUCED FOR



## Bayer Environmental Science

A Business Group of Bayer CropScience LP  
 P.O. Box 12014, 2 T.W. Alexander Drive  
 Research Triangle Park, North Carolina 27709  
 1-866-99BAYER (1-866-992-2937)  
<http://www.bayercropscience.us>

Sevin Grub Killer Granules (MASTER) Approved 01/12/10, Notification 03/02/10