

432-1212

6/25/2009

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**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:  
432-1212

Date of Issuance:  
JUN 25 2009

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration  
(under FIFRA, as amended)

Terms of Issuance:  
Unconditional

Name of Pesticide Product:  
Sevin Grub Killer Granules

**Name and Address of Registrant (include ZIP Code):**

Bayer Environmental Science  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Reregistration Eligibility Document, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product. Within 45 days from the date of this notice, two copies of a final printed label must be submitted with the following change:

Under Brassica crop group 5, add "Application is only permitted within 30 days of crop emergence or the date of transplanting."

Your Confidential Statement of Formula (CSF) dated December 21, 2005 is acceptable. This CSF supercedes all previous CSFs. You may distribute products bearing the old label for 12 months from receipt of this letter or your next printing of the label, whichever comes first.

A copy of the stamped label is enclosed for your records.

Signature of Approving Official:

Meredith Laws, Branch Chief  
Registration Division, Insecticide-Rodenticide Branch

Date:

JUN 25 2009

ACCEPTED  
With COMMENTS  
In EPA Letter Dated:  
June 25, 2009

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Under the Federal Insecticide, Fungicide  
and Rodenticide Act, As amended, for the  
pesticide Registered under EPA Reg. No:  
432-1212

# SEVIN® GRUB KILLER GRANULES

(2% SEVIN®)

**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) 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]

**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.]

**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)

**FIRST AID**

This product is a N-methyl carbamate and is a cholinesterase inhibitor

|                               |   |
|-------------------------------|---|
| <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>   |

**HOTLINE NUMBER**

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.

**NOTE TO PHYSICIAN:** 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.

## 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.<br><br>For heavy infestations of Chinch bugs, increase rate to 5 lbs per 1000 sq. ft. and treat the entire area.<br><br>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 ataenius 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                          | <p>Application to wet foliage during periods of high humidity may cause injury to tender foliage.</p> <p>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.</p> <p>Repeat as needed up to 3 times per year but do not apply more often than once every 7 days.<br/>Do not use on plants above chest height.</p> |
| 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.

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| 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.<br><br>*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.<br>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)<br>21(D) | EP = edible-podded<br>D = dried<br><br>Total number of applications per crop can be 4.<br><br>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)<br>14(B)  | A= Brussels sprouts, Broccoli, Cabbage, Kohlrabi and Cauliflower<br>B= Chinese Cabbage, Kale, Collards, mustard greens<br>Total number of applications per crop can be 4 (some of which must be lower than the maximum single application rate) |
| 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  |

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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]

| Spreader Settings                |                     |            |
|----------------------------------|---------------------|------------|
| Spreader                         | Pounds/1000 sq. ft. |            |
|                                  | 2 1/3 lbs.          | 4 2/3 lbs. |
| 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.

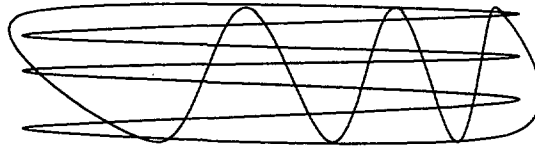
[Alternative Spreader Settings for Peanut Hulls formulation]

| Spreader                   | Type   | Rate (lbs/1000 ft2) | Setting |
|----------------------------|--------|---------------------|---------|
| 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<br>6.8<br>9.2   | 7<br>8<br>10   |
| Craftsman Model #486-19760   | Drop   | 2.25<br>2.33<br>4.6 | 5<br>5.25<br>7 |
| Scott Accugreen Model AG-3   | Drop   | 2.25<br>2.33<br>4.6 | 8<br>9<br>12   |
| Scott Speedygreen Model 1000 | Rotary | 2.25<br>2.33<br>4.6 | 3.75<br>4<br>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

PRODUCED FOR



## Bayer Environmental Science

A Business Group of Bayer CropScience LP  
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1-866-99BAYER (1-866-992-2937)  
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