

432-1244

05/28/2003

1/7



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

432-1244

Date of Issuance:

MAY 28 2003

Term of Issuance:

Conditional

Name of Pesticide Product:

AES Sevin® Granules Ant, Flea,  
Tick & Grub Killer (1% Sevin®)

**NOTICE OF PESTICIDE:**

Registration

Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Aventis Environmental Science USA LP  
95 Chestnut Ridge Road  
Montvale, NJ 07645

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 registered/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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A). Once a pesticide is registered, however, it is not regarded as permanently acceptable. Registration does not eliminate the need for continual reassessment of pesticides. If the Agency determines that, at any time, additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under FIFRA section (3).

**Make the following change to the labeling:**

- a. Revise the EPA Registration Number to read "EPA Reg. No. 432-1244."
- b. Revise the Note to Physician section as follows: "Carbaryl is an N-methyl carbamate the inhibits cholinesterase. Atropine is antidotal. Do not use 2-PAM (pyridene-2-aldoxime methiodide), opiates or cholinesterase inhibiting drugs. Probable mucosal damage may contraindicate the use of gastric lavage."
- c. Under Directions for Use for Lyme disease delete "Amblyomma spp. ticks (Lone Star Tick). This species of tick is not a known vector of Lyme disease."

Signature of Approving Official:

Date:

May 28, 2003.

- d. It appears that the Storage and Disposal statements for packages less than 5 pounds are intended for the homeowner market. Therefore revise the disposal statement (per PR Notice 2001-6):

**Disposal: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or [toll free number which meets the criteria in paragraph II.E. of PRN 2001-6] for disposal instructions. Never place unused product down any indoor or outdoor drain.

Note that there is an error on the confidential statement of formula. The lower limit of the last inert ingredient is in correct (it appears one digit was inadvertently omitted). Please submit a revised CSF.

A stamped copy of the label is enclosed for your records. If you have questions, please contact John Hebert at (703) 308-6249.

John Hebert  
Insecticide/Rodenticide Branch  
Registration Division (7505C)

Enclosures:  
Stamped Label

AES

**SEVIN® GRANULES (1% Sevin®)  
ANT, FLEA, TICK & GRUB KILLER**

For Home Lawns and Ornamental/Recreational Turf

To Kill and Control Fire Ants, Ticks (including those that Vector Lyme Disease)  
and Nuisance Pests Around Homes

\* Kills Japanese Beetles \* Slow Release Granules \* Bug Killer

\* Kills Numerous [Over 20] Pests on Lawns and Ornamentals \* Covers Up To \_\_\_\_\_ Square Feet

ACTIVE INGREDIENT:

Carbaryl* .....	1.0%
OTHER INGREDIENTS .....	99.0%
*CAS Number 63-25-2	Total ..... 100.0%

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

MAY 28 2003

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
432-1244

**Keep Out of Reach of Children  
CAUTION**  
See back panel for additional precautionary statements.

Net Weight: 5 pounds [Covers up to 1,111 square feet]  
Net Weight: 10 pounds [Covers up to 2,222 square feet]  
Net Weight: 20 pounds [Covers up to 4,444 square feet]

EPA Reg. No. 432-~~XXXX~~<sup>LEUA</sup> EPA Est. 67572-GA-1

Aventis Environmental Science  
95 Chestnut Ridge Road  
Montvale, NJ 07645

[Back Panel]

**PRECAUTIONARY STATEMENTS  
Hazards to Humans & Domestic Animals**

**CAUTION:** Harmful if swallowed or inhaled. Causes moderate eye irritation. Avoid breathing dust. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**Personal Protective Equipment (PPE)**

Applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks and household or latex rubber gloves. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables are provided, use detergent and hot water. Keep and wash PPE separately from other laundry.

<b>First Aid</b>	
<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 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 Inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If in Eyes</b>	<ul style="list-style-type: none"> <li>• Hold eyes open and rinse slowly and gently with water for 15-20 minutes. 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>

In case of medical emergencies or health and safety inquiries, or in case of fire, leaking or damaged containers, information may be obtained by calling 1-800-471-0660.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**Note to Physician:** Carbaryl is a moderate cholinesterase inhibitor. Atropine is antidotal.

<b>User Safety Recommendations</b>
<ul style="list-style-type: none"> <li>• Wear long-sleeved shirt, long pants, shoes plus socks and household latex or rubber gloves when applying this product.</li> <li>• Change clothing as soon as possible after use.</li> <li>• Wash the outside of gloves before removing. As with any pesticide product, wash hands thoroughly immediately after handling and before eating, smoking or using the toilet.</li> <li>• Do not allow children or pets to contact treated area until granules have been absorbed into the soil.</li> </ul>

**Environmental Hazards**

This product is extremely toxic to aquatic and estuarine invertebrates. 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 wash waters.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Not for use on turf being grown for commercial seed production, research purposes, sale or other commercial use such as sod.

**Read Entire Label Before Using This Product**

Strictly observe label directions and cautions. Do not apply this product in a way that will contact applicators or other persons, either directly or through drift. Unprotected persons must vacate the area being treated.

{For product packaged in containers of 5 pounds or less:}

<b>Storage and Disposal</b>
<b>Storage:</b> Store in original container in a cool, dry place away from children and animals. Avoid excess heat. <b>Disposal:</b> Do not reuse empty container [bag]; wrap and put in trash.

{For product packaged in containers greater than five pounds:}

<b>Storage and Disposal</b>
Do not contaminate water, food or feed by storage or disposal.
<b>Storage:</b> Store in original container in a cool, dry place away from children and animals. Avoid excess heat. In case of spill, confine spill and avoid contact; isolate and keep away from animals and unprotected persons. <b>Pesticide Disposal:</b> Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. <b>Container Disposal:</b> <b>Plastic:</b> Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. <b>Bags:</b> 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 burned, stay out of smoke.

**GENERAL DIRECTIONS  
FOR LAWNS, ORNAMENTAL AND RECREATIONAL TURF**

Use when insects first appear and/or plant damage is imminent. For best results, mow lawn first and then apply material uniformly to dry turfgrass. Irrigate 1/4" to wash insecticide into the grass. Do not allow use of treated areas during application. Keep children and pets off treated areas until grass is dry. Apply when air is calm to avoid drift and contact with skin and eyes. Repeat applications as necessary up to a total of 4 times per year but not more often than once every 7 days.

Treatment Areas	Pests	Pounds of This Product Per 1000 Sq. Ft.	Comments
Lawns, Ornamental and Recreational Turf Areas	Ants	4.5	For effective control, irrigate after application to remove chemical from granules.  For heavy infestations of Chinch bugs, increase rate to 10 lbs. per 1000 sq. ft. and treat the entire area.
	Lucerne moth		
	Armyworms		
	Millipedes		
	Centipedes		
	Mosquitoes (adults)		
	Chiggers		
	Scarab beetle adults:		
	Chinch bugs		
	such as May beetle,		
	Cutworms		
	June beetle,		
	Earwigs		
	Japanese beetle,		
	Essex skipper		
Green June beetle			
European chafer			
Sod webworm			
Fall armyworm			
(lawn moths)			
Fiery skipper			
Sowbugs			
Grasshoppers			
Spittlebugs			
Green June beetle			
Springtails			
Larvae			
Ticks			
Leafhoppers			
Yellowstriped Armyworms			
Billbug larvae	18	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.	
European crane fly larvae			
Black turfgrass ataenius beetle larvae			
Fleas			
Hyperodes			
White grubs:			
weevil			
Such as Japanese beetle larvae,			
(bluegrass weevil larvae)			
Chafer beetle larvae,			
Phyllophaga spp. larvae,			
Annual white grubs			

**Control of Ticks That Vector Lyme Disease**

**For control of juvenile and adult Ixodes spp. ticks (Deer Tick and Black Legged Tick) and Amblyomma spp. ticks (Lone Star Tick) which vector Lyme Disease:** Apply granules at the rate of 7 to 9 pounds of product per 500 sq. ft. with appropriate equipment to ensure uniform coverage. Target applications to control juvenile ticks (larvae and nymphs) in late spring or early summer (May/June). Control of adult ticks can be achieved 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. Do not make spot applications. Treat entire lawn and perimeter wooded areas and property boundaries where exposure to ticks may occur. For optimum results, irrigate treated areas after application to remove chemical from the granules. Ticks may be reintroduced from surrounding areas or host animals. Reapply as necessary to maintain adequate control, but not more often than once every 7 days.

**Imported Fire Ants**

For use as a mound treatment to control imported fire ants occurring in lawns, turf and premise areas, apply 1 cup of granules over and around each mound (approximately 2' x 2'). 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 sprinkled over 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 cause migration before chemical can be effective. For best results apply in cool weather (65°F to 80°F), early morning or late afternoon. Treat new mounds as they appear.

**For Flowering Plants and Shrubs (Ornamental Plantings) in Landscape and Foundation Plantings**

Pests	Pounds This Product Per 1000 Sq. Ft.	Specific Directions
Ants Armyworms Centipedes Crickets Cutworms Earwigs Firebrats Fleas Millipedes Scorpions Silverfish Spiders Ticks	4.5 to 10	Application to wet foliage during periods of high humidity may cause injury to tender foliage.  Apply granules in a 6-foot band around the building, to shrub and flowerbeds, 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.  Repeat as needed for control up to 3 times per year but do not apply more often than once every 7 days.  For plants above chest height, consider using a liquid carbaryl product.

**Nuisance Pest Control Around the Outside of Homes, Porches, Patios and Buildings**

For control of Ants, Armyworms, Centipedes, Crickets, Cutworms, Earwigs, Firebrats, Fleas, Millipedes, Scorpions, Silverfish, Sowbugs, Spiders and Ticks: Apply granules uniformly in an 8-foot band around the building. Apply granules at the rate of 4 2/3 lbs. per 1000 sq. ft. to shrub and flowerbeds, foundations, ornamental plantings and lawn and 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. Repeat application as necessary to control new infestations.

**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. 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 use on crops other than those listed below.

Crop	Maximum Single Application Rate (lbs. / 1000 sq. ft.)	Maximum Seasonal Application Rate (lbs. / 1000 sq. ft.)	Retreatment Interval (days)	PHI (days)	Comments
Asparagus (spears)	4.5	13.75	3	1	Total maximum seasonal application rate is 23 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*)	4.5	9.2	7	1	
Garden beets (roots), Carrots, Horseradish, Radishes, Parsnips, Rutabaga, Salsify, Turnips (roots)	4.5	13.75	7	7	Total number of applications per crop can be 6 (some of which must be at lower than maximum single application rate)
Mustard greens	4.5	13.75	7	13-14	Total number of applications per crop can be 4 (some of which must be at lower than maximum single application rate)
Brussels sprouts, Broccoli, Cabbage, Cauliflower, Chinese cabbage, Collards, Kale, Kohlrabi	4.5	13.75	7	3 (A) 14 (B)	A = Brussels sprouts, broccoli, cabbage, kohlrabi and cauliflower. . . . B = Chinese cabbage, kale and collards Total number of applications per crop can be 4 (some of which must be at lower than maximum single application rate)

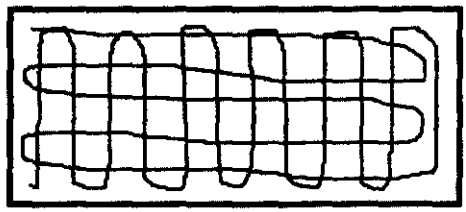
Corn (sweet)	4.5	36.7	3	2 (E) 14 (Fr) 48 (Fd)	E = ears Fr = forage Fd = fodder
Lettuce (head & leaf), Endive, Celery, Dandelion, Parsley, Spinach, Swiss chard, Hanover salad, Rhubarb, Garden Beets (tops), Turnips (tops)	4.5	13.75	7	14-15	Total number of applications per crop can be 5 (some of which must be at lower than maximum single application rate)
Potatoes	4.5	13.75	7	7	Total number of applications per crop can be 6 (some of which must be at lower than maximum single application rate)
Strawberry	4.5	23	7	7	
Tomato, Pepper, Eggplant	4.5	18.4	7	3	Total number of applications per crop can be 7 (some of which must be at lower than maximum single application rate)

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

Spreader	Spreader Settings			
	Pounds / 1000 Sq. Ft.		Pounds / 500 Sq. Ft.	
	4.5 lbs.	10 lbs.	7 lbs.	9 lbs.
Scotts EvenGreen 18"	16	17*	16	17
Scotts Speedy Broadcast	15	16*	15	16
Red Devil Broadcast	13	14*	13	14
Red Devil Drop 20"	13	14*	13	14
Republic EZ Drop 18"	9	11	9	11
Republic EZ Broadcast	10	14*	10	14
Republic EZ Tractor Broadcast	10	14*	10	14
[Other Spreaders As Appropriate]	TBD	TBD	TBD	TBD

\*These numbers indicate a criss-cross application will be required to apply the number of pounds shown for 1,000 sq.ft.

Example:



Buyer assumes all risks of use, storage or handling of this product not in strict accordance with this label.

Sevin® is a registered trademark of The Aventis Group for Carbaryl Insecticide