

SEVIN GRUB KILLER GRANULES (2% SEVIN)

**For Use on Vegetables and Fruits
For Home Lawns and Ornamental/Recreational Turf
To Kill and Control Fire Ants, Ticks (including those that may vector Lyme Disease)**

*** Kills Japanese Beetles * Slow Release Granules * Bug Killer
* Kills Numerous [Over 30] Pests on Lawns and Ornamentals * Covers Up to _____ Square Feet**

ACCEPTED
SEP 13 2004
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 432-1212

ACTIVE INGREDIENT:	
Carbaryl*.....	2.0%
OTHER INGREDIENTS.....	
CAS Number 63-25-2	98.0%
Total.....	100.0%

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

**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.]**

EPA Reg. No.432-1212

EPA Est. _____

**Bayer Environmental Science, A Business Group of Bayer CropScience LP
95 Chestnut Ridge Road
Montvale, N.J. 07645**

[Back Panel]

PRECAUTIONARY STATEMENTS Hazards to Humans & Domestic Animals

CAUTION: Harmful if swallowed or inhaled. Avoid breathing avoid 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 instruction for washable are provided, use detergent and hot water. Keep and wash PPE separately from other laundry

User Safety Recommendations

- Wear long-sleeved shirt, long pants, shoes plus socks and household latex or rubber gloves when applying this product. Change clothing as soon as possible after use.
- Wash the outside of gloves before removing. As with any pesticide product, wash hands thoroughly immediately after handling and before eating, smoking and using the toilet.
- Do not allow children or pets to contact treated area until granules have been absorbed into the soil.

FIRST AID	
This product is a N-methyl carbamate and is a cholinesterase inhibitor	
If Swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If Inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If in Eyes	<ul style="list-style-type: none"> • Hold eye 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. • Call a poison control center or doctor for treatment advice.
If on Skin or Clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
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 1-800-334-7577 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.

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.

DIRECTION 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:}

Storage and Disposal

Storage: Store in original container in a cool, dry place away from children and animals. Avoid excess heat. 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 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

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

Storage and Disposal

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

Storage: 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. Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Container Disposal: Plastic: 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. Bags: 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 1/2" 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	Lucerne Moth	For effective control, irrigate after application to remove chemical from granules. For heavy infestations of Chinch bugs, increase rate to 5lbs per 1000 sq. ft. and treat the entire area.	
	Armyworms	Millipedes		
	Centipedes	Mosquitoes (Adults)		
	Chiggers	Scarab beetle adults:		
	Chinch bugs	Such as May beetle,		
	Cutworms	June beetle, Japanese		
	Earwigs	beetle, Green June		
	Essex skipper	beetle		
	European	Sod Webworm		
	Chafer	(lawn moths)		
	Fall army-	Sowbugs		
	Worm	(lawn moths)		
	Fiery Skipper	Spittlebugs		
	Grass-	Springtails		
	hoppers	Ticks		
Green june beetle larvae	Yellowstriped			
Leafhoppers				
	Billbug larvae	Black	9	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	turfgrass		
	fly larvae	ataenius beetle		
	Fleas	larvae		
	White grubs:	Hyperodes		
	Such as Japanese	weevil		
	Beetle larvae,	(bluegrass		
	Chafer beetle	Weevil larvae)		
	Larvae,			
	<i>Phyllophaga</i> spp.			
	Larvae, Annual			
	White grubs			

Control of Ticks That May Vector Lyme Disease

For control of 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 7 to 9 pounds of product per 1000 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 1/2 cup of granules over and around each mound (Approximately 2' x 2'). Thoroughly irrigate mound immediately after treatment to remove to 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 (65oF to 80oF), 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 of This Product Per 1000 Sq. Ft.	Specific Directions
Ants Armyworms Centipedes Crickets Cutworms Earwigs Firebrats Fleas Millipedes Scorpions Silverfish Spiders Ticks	2.25 to 5	<p>Application to wet foliage periods of high humidity may cause injury to tender foliage.</p> <p>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 applications to remove The chemical from the granules.</p> <p>Repeat as needed for control up to 3 times per year but do not apply More often than once every 7 days.</p> <p>Do not use on plants above chest height.</p>

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 a 8 foot band around the building. 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 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)**

Not to be applied to plants being grown for commercial purposes. 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 but it is recommended to begin applications when insect or damage is first observed and repeat as directed below. Retreatment tervals (days between treatments) 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.

Do not use crops other than those listed in the following table.

Faint table with multiple columns and rows, likely containing crop names and preharvest intervals.

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)	2.25	6.88	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*)	2.25	4.6	7	1	
Beans (fresh & dried): [snap, navy & kidney], Peas, (fresh & dried), Cowpeas, Lentils	1.7	6.88	3	3(S) 21(D) 14(F) 21(H)	S = succulents D = dried F = forage H = hay
Garden beets (roots), Carrots, Horseradish, Radishes, Parsnips, Rutabaga, Salsify, Turnips (roots)	2.25	6.88	7	7	Total number of applications per crop can be maximum single application rate)
Sugar beets	1.7	3.45	14	28(R)	R = roots, forage
Mustard greens	2.25	6.88	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	2.25	6.88	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 a lower than maximum single application rate)
Corn (field and pop)	2.25	9.2	14	14(Fr) 48(Fd)	Fr=forage, silage Fd=fodder, grain
Corn (sweet)	2.25	18.35	3	2 14(Fr) 48(Fd)	E-ears Fr=forage Fd=fodder
Cucumber, melon Squash	1.15	6.88	7	3	
Lettuce (head & Leaf) Endive, Celcery, Dandelion, Parsley, Spinach, Swiss chard, Hanover salad, Rhubarb, Garden Beets (top), Turnips (tops)	2.25	6.88	7	14-15	Total number of applications per crop can be 5 (some of which must be at lower than maximum single application rate)

10/13

Crop	Maximum Single Application Rate (lbs./1000 sq. ft.)	Maximum Seasonal Application Rate (lbs./1000 sq. ft.)	Retreatment Interval (days)	PHI (days)	Comments
Potatoes	2.25	6.88	7	7	Total number of applications per crop can be 6 (some of which must be at lower than maximum single application rate)
Grain sorghum (not sweet)	2.25	6.88	7	14 (Fr) 21 (Fd)	Fr = forage, grazing Fd = forage, grain Total number of applications per crop can be 4 (some of which must be at lower than single application rate).
Strawberry	2.25	11.5	7	7	
Tomato, Pepper, Eggplant	2.25	9.2	7	3	Total number of application per crop can be 7 (some of which must be at lower than maximum single application rate)
Wheat	1.7	3.45	14	21 (G) 7 (F)	G=grain or straw F=forage

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

Sevin Grub Killer granules are applied using a commercial spreader. Spreaders and settings are found in the table below. Do not repeat applications more than once a week.

Spreader Settings				
Spreader	Pounds/1000 sq. Ft.		Pounds / 500 Sq. Ft.	
	2/ 1/3 lbs.	4 2/3 lbs.	3.5 lbs.	4.5 lbs.
Scots Even Green 18"	15	16*	15	16
Scotts Speedy Broadcast	14	15*	14	15
Red Devil Broadcast	12	13*	12	13
Red Devil Drop 20"	12	13*	12	13
Republic EZ Drop 18"	8	10	8	10
Republic EZ Broadcast	9	13*	9	13
Republic EZ Tractor Broadcast	9	13*	9	13
[Other Spreaders As Appropriate]	TBD	TBD	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 Untreated Peanut Hulls:

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
		11.5	NA
		18.35	NA
		Cyclone Rotary	Rotary
4.6	6		
6.8	8		
9.2	NA		
11.5	NA		
18.35	NA		
Earthway Rotary	Rotary	2.25	
		4.6	18
		6.8	27
		9.2	NA
		11.5	NA
		18.35	NA
		Earthways Ev-N-Spred	Rotary
4.6	18		
6.8	27		

		9.2 11.5 18.35	NA NA NA
Republic EZ	Drop	2.25 4.6 6.8 9.2 11.5 18.35	9 12 13 13 15 NA
Scotts Speedygreen 3000	Rotary	2.25 4.6 6.8 9.2 11.5 18.35	8 NA NA NA NA NA
Craftsman Rotary (0195)	Rotary	2.25 4.6 6.8 9.2 11.5 18.35	6 10 15 NA NA NA
Precision EZ Spread SB550	Rotary	2.25 4.6 6.8 9.2 11.5 18.35	7 9 NA NA NA NA
Pursell's Sta-Green SB4500	Rotary	2.25 4.6 6.8 9.2 11.5 18.35	8 9 NA NA NA NA
Agri-Fab 85 lb. Spreader Model #4503123062	Rotary	2.25 4.6 6.8 9.2 11.5 18.35	6 7 8 10 NA NA

NA: Not applicable, no setting for this rate.

Example:



