



83893-3

10/09/2007

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 <p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460</p> <p style="text-align: center;"><b>NOTICE OF PESTICIDE:</b> <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration</p> <p>(under FIFRA, as amended)</p>	<p><b>EPA Reg. Number:</b> 83893-3</p>	<p><b>Date of Issuance:</b> OCT 9 2007</p>
	<p><b>Term of Issuance:</b> Conditional</p>	
	<p><b>Name of Pesticide Product:</b> Greenleaf Lawn Insect Killer Granules (2% Sevin)</p>	
<p><b>Name and Address of Registrant (include ZIP Code):</b> Greenleaf llc P.O. Box 1700 Lowell, AR 72745</p>		
<p><b>Note:</b> 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.</p>		
<p>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.</p> <p>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.</p> <p>This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> <li>1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.</li> <li>2. Make the following label changes before you release the product for shipment:             <ol style="list-style-type: none"> <li>a. Revise the EPA Registration Number to read, "EPA Reg. No. 83893-3"</li> <li>b. Revise the sentence "Buyer assumes all risk of use, storage..." to read "To the extent allowed by applicable law, buyer assumes all risk of use, storage..."</li> </ol> </li> <li>3. The data requirements for storage stability (830-6317) and corrosion characteristics (830-6320) have not been satisfied, and must be submitted within eighteen months of the date of this letter.</li> </ol>		
<p><b>Signature of Approving Official:</b>  Venus Eagle, Acting Product Manager (01) Insecticide-Rodenticide Branch, Registration Division (7505P)</p>	<p><b>Date:</b> OCT 9 2007</p>	

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4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Please note the referenced product is currently undergoing Reregistration and further label changes will be required in the near future.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. If you have any questions regarding this letter, please Kable Bo Davis at 703 306-0415.

Venus Eagle  
Acting Product Manager (01)  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

Enclosure

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**GREENLEAF LAWN INSECT KILLER GRANULES (2% SEVIN)**

Brackets "[ ]" denote optional wording.

- 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 Ticks! Lyme Disease
- Kills: Ants, Fleas, Ticks, Grub... and many more.
- \*Kills Japanese Beetles \* Slow Release Granules \*Bug Killer
- \*Kills Numerous [Over 30] Pests on Lawns and Ornamentals
- \*Covers Up to \_\_\_ Square Feet
- \*Easy to Use Granules \* Use on Lawns, Ornamentals and Around Homes

**ACTIVE INGREDIENT:**

Carbaryl*	.....	2%
OTHER INGREDIENTS	.....	98%
*CAS Number 63-25-2	Total.....	100%

Covers Up To 5,150 Sq. Ft.

- 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. 083893-XXX  
 EPA Est. No. 083893-MO-0001

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See back panel for additional precautionary statements

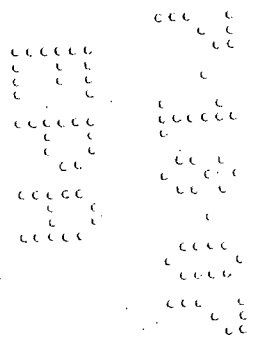
**RIGHT GUSSET-**  
**GREENLEAF LAWN INSECT KILLER GRANULES (2% SEVIN)**

**LEFT GUSSET-**  
**GREENLEAF LAWN INSECT KILLER GRANULES (2% SEVIN)**

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

OCT 9 2007

Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, for the pesticide  
 registered under EPA Reg. No.  
83893-3



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## BACK PANEL-

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

### FIRST AID

<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 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 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 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 eyes.</li> <li>• Call a poison control center or doctor for treatment advice.</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>

### 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 a 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-aidoxime methiodide) are not recommended.

### 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 the 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.

**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.

**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.

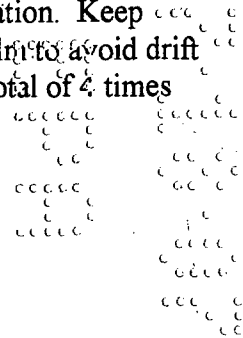
**Disposal:** If empty: Do not reuse this container. Place in trash or offer for recycling if available.

**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.

**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.



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Treatment Area	PEST	Pounds of this product Per 1000 Sq. Ft.	Comments
Lawns Ornamentals Recreational Turf Areas	Ants, Armyworm, Centipedes, Chiggers, Chinch bugs, Cutworms, Earwigs, Essex skipper, European chafer, Fall armyworm, Fiery skipper, Grasshoppers, Green June beetle larvae, Leafhoppers, Lucerne moth, Millipedes, Mosquitoes (adults), Scarab beetle adults (May beetle, June beetle, Japanese beetle, green June beetle), Sod Webworm (lawn moths), Sowbugs (lawn moths), Spittlebugs, Springtails, Ticks, Yellowstriped	2.25	For Effective Control: Irrigate after application to remove chemical from granules.  For heavy infestations of Chinch bugs, increase rate to 5 lbs per 1000 sq. ft. and treat the entire area.
	Billbug larvae, European crane flym, fleas, white grubs (Japanese beetle, Chafer beetle, and Phyllophaga spp Larvae, annual white grubs), Black turfgrass ataenius beetle larvae, Hyperoides weevil (bluegrass weevil) larvae	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.

#### 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 ½ cup of granules over and around each mound (Approximately 2' X 2') Thoroughly irrigate mound immediately after treatment to remove 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**

PEST	Pounds of this product Per 1000 Sq. Ft.	Comments
Ants, Armyworm, 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. Form most effective control, treated area should be lightly watered after application 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. 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 w 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 intervals (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.

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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], Pease, (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 6 (some of which must be lower than the maximum single application rate)
Sugar beets	1.7	3.45	14	28 (R)	R= roots, forage
Mustard greens	2.25	6.88	7	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 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, Celery, Dandelion, Parsley, Spinach, Swiss chard, Hanover salad, Rhubarb, Garden Beets (top), Turnips (tops)	2.25	6.88	7	15	Total number of applications per crop can be 5 (some of which must be at lower than maximum single application rate)



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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 applications per crop can be 7 (some of which must be at lower than maximum single application rate)
Wheat	17	3.45	14	21 (G) 7 (F)	G= grain or straw 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				
		Pounds/ 1000 sq. ft		Pounds/ 500 Sq. Ft.
Spreader	2 1/3 lbs.	4 2/3 lbs.	3.5 lbs.	4.5 lbs.
Scotts 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.				

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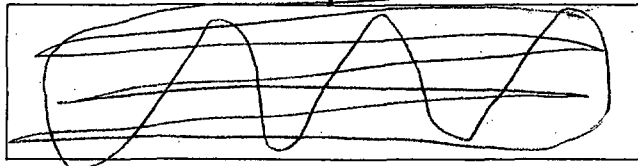
**Alternative Spreader Settings for Untreated Peanut Hulls:**

Spreader	Type	Rate (lbs/ 1000 ft <sup>2</sup> )	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	2.25	5
		4.6	6
		6.8	8
		9.2	NA
		11.5	NA
		18.35	NA
Earthway Rotary	Rotary	2.25	14
		4.6	18
		6.8	27
		9.2	NA
		11.5	NA
		18.35	NA
Earthways Ev-N-Spred	Rotary	2.25	14
		4.6	18
		6.8	27
		9.2	NA
		11.5	NA
		18.35	NA
Republic EZ	Drop	2.25	9
		4.6	12
		6.8	13
		9.2	13
		11.5	15
		18.35	NA
Sears Speedygreen	Rotary	2.25	8
		4.6	NA
		6.8	NA
		9.2	NA
		11.5	NA
		18.35	NA
Craftsman Rotary (0195)	Rotary	2.25	6
		4.6	10
		6.8	15
		9.2	NA
		11.5	NA
		18.35	NA
Precision EZ Spread SB550	Rotary	2.25	7
		4.6	9
		6.8	NA
		9.2	NA
		11.5	NA
		18.35	NA
Pursell's Sta-Green SB4500	Rotary	2.25	8
		4.6	9
		6.8	NA
		9.2	NA
			NA

		11.5	NA
		18.35	NA
Agri-Fab 85 lb. Spreadre Model#4503123062	Rotary	2.25	6
		4.6	7
		6.8	8
		9.2	10
		11.5	NA
		18.35	NA

NA: Not applicable, no setting for this rate.

**Example:**



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

If you have a medical emergency, need consultation or diagnosis, therapy and analysis please call: 911  
 If you have questions relating to this product use or application, please call (417) 451-9996.  
 If you have a product spill or transportation emergency call: 911  
 For Material Safety Data Sheets please call (417) 451-9996.

Greenleaf llc  
 13960 Palm Rd  
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