

Eco Bran  
(2% SEVIN)

For Use on Vegetables and Fruits  
For Agricultural, Home Lawns and Ornamental/Recreational Turf  
To Kill and Control Fire Ants, Ticks (including those that may vector Lyme Disease)  
\* Kills Japanese Beetles \* Kills Listed Insects on Lawns and Ornamentals  
\* Slow Release Granules \* Bug Killer  
\* Covers Up to \_\_\_\_Square Feet

ACTIVE INGREDIENT:

Carbaryl \* ..... 2%  
OTHER INGREDIENTS: .....98%  
TOTAL .....100%

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.]**  
**Net Weight: 44 pounds [Covers up to 18,884.8 sq. ft.]**

EPA Reg. No. 67650-2

EPA Est. 67650-CAN-1

# 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 washables 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"><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>
If Inhaled	<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>

If In Eyes	<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 1 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If on Skin or Clothing	<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>
<p><b>HOTLINE NUMBER</b></p> <p>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.</p>	

<b>NOTE TO PHYSICIAN</b>
<p>CARBARYL is an N-methyl carbamate insecticide which is a cholinesterase inhibitor. Specific antidote consists of atrophic. Narcotics and other sedatives should not be used. Drugs like 2-PAM (pyrldine-2-aldoxlme methiodide) are not recommended.</p>

### **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.

### **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**

**AGRICULTURAL DIRECTIONS FOR USE IN CONTROL  
OF GRASSHOPPERS, CRICKETS & CUTWORMS**

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR, part 170.

This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for the training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of product that are covered by the Worker Protection Standard.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not enter or allow worker entry into treated area during the restricted entry interval (REI) or 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is coveralls, waterproof gloves, and shoes plus socks.

### IMPORTANT PRE-HARVEST INFORMATION

Tolerances established under the Federal Food, Drug, and Cosmetic Act permit the sale of crops bearing probable carbaryl residues when carbaryl is used in accordance with label directions. Subsequent planting of food and feed crops in treated soil must be made with crops on this or other carbaryl label(s).

### 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 ¼” 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. Not for use on turf being grown for commercial seed production, research purposes, sale or other commercial use such as sod.

Treatment Areas	Pests		Pounds of This Product Per 1000 Sq. Ft	Comments
Lawns Ornamental Recreational Turf Areas	Ants Armyworms Centipedes Chiggers Chinch bugs Cutworms Earwigs Essex skipper European Chafer Fall army-Worm Fiery Skipper Grasshoppers	Lucerne Moth Millipedes Mosquitoes (Adults) Scarab beetle adults: Such as May beetle, June beetle, Japanese beetle, Green June beetle Sod Webworm	2.25	For effective control, irrigate after application to remove chemical from granules.  For heavy infestations of Chinch bugs, increase rate to 5lbs per 1000 sq.

	Green june beetle larvae Leafhoppers	(lawn moths) Sowbugs (lawn moths) Spittlebugs Springtails Ticks Yellowstriped		ft. and treat the entire area.
	Billbug larvae European crane fly larvae Fleas White grubs: Such as Japanese Beetle larvae, Chafer beetle Larvae, <i>Phyllophaga</i> spp. Larvae, Annual White grubs	Black turfgrass ataenius beetle larvae Hyperodes 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 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.

## **CROP AND RANGELAND For Grasshoppers, Crickets and Cutworms**

Broadcast application may be made with spreader, hand applicator, aircraft or by hand. Use gloves and wash thoroughly following application. Treatment may be repeated as necessary.

**FOR CONTROL:** Apply 2 to 10 pounds per acre for grasshoppers, crickets and cutworms.

**FOR SUPPRESSION** of grasshoppers and crickets, rates of ½ to 1 ½ pounds per acre may be used.

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

	<b>Pests</b>		<b>Pounds of This Product Per 1000 Sq. Ft.</b>	<b>Specific Directions</b>
	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 highly Watered after applications to remove The chemical from the granules.</p> <p>Repeat as</p>

				<p>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>
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### **Nuisance Pest Control Around the Outside of Homes, Porches, Patios and Buildings**

For control of Ants, Armyworms, Centipedes, Crickets, Cutworms, Earwig 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 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 on crops other than those listed in the following table.

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	
Asparagus (ferns*), apple, walnut, peach, cherry	2.25	4.6	7	1	
Beans (fresh & dried): [snap, navy & kidney], Peas, (fresh & dried), Cowpeas, Lentils	1.7	6.88	3	3(S)	S=Succulents
				21(D)	D=dried
				14(F)	F=forage
				21 (H)	H=hay
Garden beets (roots), Carrots, Horseradish, Radishes, Parsnips, Rutabaga, Salsify, Turnips (roots), cotton, alfalfa	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= 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)
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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,	1.15	6.88	7	3	

Squash, pears, apricots					
Lettuce (head & Leaf) Endive, Celery, 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 lower than maximum single application rate)

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 lower than maximum single application rate)
Wheat	1.7	3.45	14	21(G) 7(F)	G=grain or straw F=forage
Forest land, grassland, parks, pastures, rangeland, recreation areas, wasteland, hay	2.25	6.88	7	14	
Citrus	1.15	6.88	7	3	

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

Eco Bran is applied using a commercial spreader. Spreaders and settings are found in the table below. Do not repeat applications more than once a week.

<b>Rate Chart For Peacock Industries Model 60 &amp; 62 Truck Mount Applicators</b> <a href="http://www.grasshoppercontrol.com">www.grasshoppercontrol.com</a>			
	<b>Lbs. Per Acre</b>		
<b>Choke Plate Opening</b>	<b>4 MPH</b>	<b>8 MPH</b>	<b>12 MPH</b>
<b>Full Open</b>	8	5	3
<b>Number 5</b>	6.75	4	2.7
<b>Number 4</b>	5.8	3.5	2.3
<b>Number 3</b>	4.5	2.7	1.8
<b>Number 2</b>	2.1	1.2	0.8
<b>Number 1</b>	1.2	0.7	0.5

50' thru 1/2 mile = 3 acres

\* 50' Swath = Full Throttle on Engine  
slide on discharge chute in toward hopper

\*25' Swath = Half Throttle on Engine  
slide on discharge chute out toward fan

Assuming a 50' swath width with carbaryl bran/bulk density of 20 lbs per ft<sup>3</sup>.

Grass seed requires a 25% addition to rates shown.

## Rate Chart Peacock Industries Model 20 ATV Mount

www.grasshoppercontrol.com

5 mph	LBS/ac	2.2	6.5	8
10 mph	LBS/ac	1.1	3.2	4
15mph	LBS/ac	0.8	1.8	3
Gate Settings		1	2	3

Assuming a 16.5' swath width = 1 acre in 1/2 mile subtract 25% from rates for grass seed

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.
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
5 pound shaker can treats 500 – 2000 square feet				
*This number indicates a criss-cross application will be required to apply the number of pounds shown for 1000 sq. ft.				

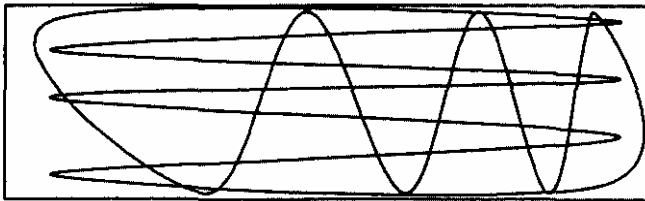
**Alternative Spreader Settings for Untreated Peanut Hulls:**

Spreader	Type	Rate (Lbs/1000 ft <sup>2</sup> )	Setting
Scoffs 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
Scotts Speedygreen 3000	Rotary	2.25	8
		4.6	NA
		6.8	NA
		9.2	NA
		11.5	NA
		18.35	NA
Craftsman Rotary	Rotary	2.25	6
		4.6	10

(0195)		6.8 9.2 11.5 18.35	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:



## **NOTICE OF WARRANTY**

The manufacturer warrants that the material contained herein conforms to the chemical description on the label for the purpose stated in the Directions for Use. When purchasing the product, the buyer assumes all risks of the handling and use which may result in damage or losses that are beyond the control of the seller, as in the event of incorrect method of application, incompatibility with other products used, or the presence on crop or soil of other substances. There is no other warranty made by the manufacturer as to fitness or merchantability. The limit of liability of the manufacturer or any seller for any losses, damages or injuries resulting from the use of this product will be the purchase price paid for this product by the buyer or user for the quantity involved. No verbal or written change to this warranty is valid. All buyers and users of this product are understood to have accepted all terms and conditions of this warranty.

**Manufactured By:  
Peacock Industries  
PO Box 750  
Hague, Saskatchewan  
Canada  
S0K 1X0**