

CYREN™ 1G Granular Insecticide

- Controls *Ants, Armyworms, Bullbugs, Chinch Bugs, Clover Mites, Cockroaches, Crickets, Cutworms, Earwigs, Fleas, Grasshoppers, Hyperodes (Turfgrass) Weevils, Sod Webworms (Lawn Moths), Sowbugs (Pillbugs), Ticks,* and certain *White Grubs* infesting home lawns and other ornamental turf areas.

ACTIVE INGREDIENT:

Chlorpyrifos (0,0-diethyl 0-(3,5,6-trichloro-2 pyridyl) phosphorothioate 1.0 %

INERT INGREDIENTS: 99.0 %

TOTAL 100.0 %

IN CASE OF A MEDICAL EMERGENCY, CALL TOLL FREE, DAY OR NIGHT:
800-228-5635 EXT. 153

™ CYREN is a Trademark of Cheminova Agro

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

ACCEPTED

JUN 29 1999

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under
EPA Reg. No. 67760-25

FIRST AID

ORGANOPHOSPHATE

If Swallowed - Drink 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

If on Skin - In case of contact, immediately wash skin with soap and water.

If in Eyes - If irritation persists, flush eyes with plenty of water and get prompt medical attention.

NOTE TO PHYSICIAN - Active ingredient is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is an antidote.

See rest of label for additional precautionary statements.

EPA Reg. No. 67760-25

EPA Est. No. _____

Net Contents _____

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Do not take internally. Avoid eye contact. Keep away from food, feedstuffs and domestic water supplies. Keep children and pets off treated areas until the material is washed into the soil and grass is dry. Do not get on skin or in eyes.

Wash thoroughly after handling. Do not wear contaminated clothing. Wash contaminated clothing before reuse. Avoid breathing dust.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish, birds and other wildlife. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Storage: Keep pesticide in original container. Store in a cool, dry place, preferably in a locked storage area.

Pesticide Disposal: Partially filled bags may be disposed of by wrapping in several layers of newspaper and discarding in trash.

Container Disposal (Bag): Do not reuse bag. Discard bag in trash.

Container Disposal (plastic): NOTE: The plastic bucket size of this product may be refilled only from the larger size bags of this same branded product from Cheminova. To dispose of the bucket, 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.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification which are being grown in interior plantscapes, ornamental gardens, parks, golfcourses or lawns and grounds.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Apply this product only as directed on this label. 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.

To control *Ants, Armyworms, Billbugs, Chinch Bugs, Clover Mites, Crickets, Cutworms, Earwigs, Grasshoppers, Sod Webworms (Lawn Moths) and Sowbugs (Pillbugs):*

Apply CYREN™ 1G insecticide uniformly to home lawns and other ornamental recreational turf grass areas using any hand or power operated gravity or rotary type spreader designed for application of granular materials. Treat when insects first appear using CYREN 1G at the rate of 100 lbs. per acre. To help obtain uniform distribution, apply half the required amount of product in one direction; then apply the rest at a right angle. Immediately after application, water the turf with enough water to wash the granules into the zone of insect infestation. Consult the following table to determine amounts of CYREN 1G and water needed for smaller size areas. Re-treat as necessary.

RATES TO USE		
Area to be treated	Pounds of CYREN™ 1G	Gallons of water to apply after treatment
1000 sq. ft.	2.5	30
2500 sq. ft.	6.25	75
4000 sq. ft.	10	120
5000 sq. ft.	12.5	150
10,000 sq. ft.	25	300

Fleas, Brown Dog Ticks, Cockroaches (American, Smokey Brown):

Pet Beds: Old bedding of pets should be removed and replaced with clean, fresh bedding after treatment of pet areas. Do not apply this product indoors. To control the source of your *Flea* infestation, treat pets with a product registered for direct application to pets.

In Yard Areas: Apply CYREN 1G uniformly to home lawns, under shrubbery and on other ornamental recreational turf grass areas. Treat when insects first appear using granules at the rate of 1 lb. per 400 sq. ft. or 4 lbs. per 1600 sq. ft. To help obtain uniform distribution, apply half of required amount of granules in one direction, then apply remainder at a right angle. Immediately after application, water the turf with 40 gallons of water per 800 sq. ft. to wash the granules into the zone of insect infestation. Re-treat as necessary. **DO NOT TREAT PETS WITH THIS PRODUCT.**

Cockroaches (American, Smokey Brown): To help prevent infestation of buildings by *Cockroaches*, treat a band 6 to 10 feet wide around and adjacent to the building where pests are active and may find entrance. Treat at a rate of 1 lb. per 400 sq. ft. or 2.5 lbs. per 1000 sq. ft.

Fire Ants (individual fire ant mounds): Apply CYREN 1G at a rate of 2 oz. (4 tablespoons) per active mound. Sprinkle granules gently and evenly over surface of active mound and 2 ft. around the mound. Avoid disturbing ants. For best results, apply when ants are least active: in cool weather, 65-80° F, or in early morning or late evening hours. Treat new mounds as they appear.

Turfgrass weevils (larvae of Hyperodes weevil): Apply 5 lbs. of CYREN 1G per 1000 sq. ft. (twice the rate shown in the chart). Apply the granules uniformly over the area to be treated. For best results, treat when grubs are young and actively feeding near the soil surface. Consult your local Agricultural Extension Service specialist for proper time to treat in your geographic area.

European Crane-fly Larvae: Apply CYREN 1G at a rate of 3.5 to 4 lbs. per 1000 sq. ft. using any granular application equipment as described above. For increased effectiveness, follow the granule application with a thorough watering to move the insecticide into the soil: apply the equivalent of 1/2 to 1 inch of water to turf. Consult your local Agricultural Extension Service specialist for proper time to treat in your geographic area.

White Grub Control (such as larvae of Japanese Beetle, Black Turfgrass Ataenius, European Chafer, And Southern Masked Chafer): Apply 5 to 10 lbs. of CYREN™ 1G per 1000 sq. ft. (two to four times the rate shown in the chart). When high populations of grubs are present in the area to be treated, a repeat application of 5 lbs. of CYREN 1G per 1000 sq. ft. may be made 7 to 14 days following the first application. Apply the granules uniformly over the treated area. Follow the application with a thorough watering to move the insecticide into the soil. Apply the equivalent of 1/2 to 1 inch of water to the turf. For best results, treat when grubs are young and actively feeding near the soil surface. Consult your local Agricultural Extension Service Specialist for the proper time to treat in your geographic area.

Ticks (Brown Dog, Deer) infesting areas around houses and in yard areas: Tuck pants legs into socks to avoid tick bites. An insect repellent sprayed onto lower legs and socks should give additional protection from bites. Wearing light colored pants and socks will aid in spotting ticks that may attach during treatment.

Treat perimeter of house and yard by spreading evenly under shrubbery, in and around ground cover, and around patios. Treat edges or perimeter of yard area where grass and other cover plants exist and other areas that appear likely to serve as harborage sites for ticks that have removed themselves from their host. Use the same amount recommended for control of these pests on turf, as listed in the Rates to Use chart. Prior to and following treatment, weeds and high grasses should be kept trimmed to reduce tick harborage sites. Rodents can serve as hosts for ticks. Rock piles, wood piles, and other rodent habitats should be removed or reduced. Key months for **Deer Tick** control are April through November in most parts of the country. For specific timing of application in your area, contact your local Agricultural Extension Service specialist.

Outside houses and industrial buildings (band treatment): For control of **Ants, Crickets, Earwigs, Brown Dog Ticks, Deer Ticks, Armyworms, Clover Mites, Fleas, and Sowbugs (Pillbugs)**, apply in a 5 ft. band around the foundation at the rate of 1/4 lbs. per 100 sq. ft. (5' x 20') Distribute granules uniformly.

Flower gardens and shrubbery: To control **Ants, Armyworms, Crickets, Cutworms, Earwigs, Fire Ants, Grasshoppers, Sowbugs (Pillbugs) Brown Dog Ticks and Deer Ticks**, Apply CYREN 1G evenly over soil within flower beds and under shrubbery. Use the same amount recommended for control of these pests on turf, as listed in the Rates to Use chart.

Note: 1 oz. = 6 teaspoons = 2 tablespoons = 1/8 cup



WARRANTY DISCLAIMER

Cheminova warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. CHEMINOVA MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Cheminova or the seller. All such risks shall be assumed by Buyer.

LIMITATION OF REMEDIES

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Cheminova's election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used

Cheminova shall not be liable for losses or damages resulting from handling or use of this product unless Cheminova is promptly notified of such loss or damage in writing. In no case shall Cheminova be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Cheminova or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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