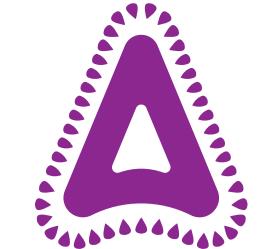
Classified for

August 2, 2023 New York State Department of Environmental Conservation Division of Materials Management

Pesticide Product Registration

Bifenthrin GROUP 3A **INSECTICIDE** 



# BIFEN L/P Insecticide Granules

Only for sale to, use, and storage by commercial applicators.

For use to control Ants (including Imported Fire Ants), Chinch Bugs, Fleas, Mole Crickets, Ticks and other insect pests on lawns in landscaped areas and perimeters around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

Use areas include but are not limited to: lawns and around flower gardens, flower beds, around/along perimeters and foundations of houses and other structures, around mulch beds, along fence lines, and around decks and decking.

For outdoor use only.

**Active Ingredient:** By Wt. Bifenthrin\*......0.2% Other Ingredient:.....99.8% Total......100.0%

\*Cis isomers 97% minimum, trans isomers 3% maximum.

# **KEEP OUT OF REACH OF CHILDREN** (See other panels for additional precautionary information)

#### FIRST AID

## clothing

If on skin or

information.

- 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall®

**Note to Physician** - This product is a pyrethroid. If large amounts have been ingested, milk cream and other digestible fats and oils may increase absorption and should be avoided.

(866) 897-8050 for emergency medical treatment

### PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals **CAUTION**

Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

**NET CONTENTS: 25 Lbs.** 



(B) EPA Est. No. 88746-GA-01 First letter of lot# corresponds to EPA Est. # where product was produced Manufactured by:

EPA Reg. No. 53883-124 (A) EPA Est. No. 5905-GA-01



Solutions Inc. 5903 Genoa-Red Bluff, Pasadena, TX 77507 A member of Adama Consumer and Professional Solutions

EPA 072121

of Biten L/P Insecticide Granules

5903 Genoa-Red Bluff, Pasadena, TX 77507 Solutions Inc.

Consumer and Professional Solutions

A member of Adama



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sold including, but not limited to merchantability fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damage resulting from or in any way arising from the use, handling, or application or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except, as expressly provided herein, Control Solutions, Inc. makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension liable for consequential, special, or indirect damages resulting from the use or handling of this product. All yond the control of Control Solutions, Inc. To the extent allowed by law, Control Solutions, Inc. shall not be uct. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are benormal use conditions. It is impossible to eliminate all risks inherently associated with use of this prod-Control Solutions, Inc. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under WARRAUTY STATEMENT pnrned, stay out of smoke. then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If

through use according to label instructions. Offer for recycling, if available. If recycling is not available; Container Disposal: Non-refillable container. Do not reuse or refill this container. Empty container local solid waste agency for local disposal options. bait, or rinsate is a violation of Federal Law. Do not pour or dispose down-the-drain or sewer. Call your Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spilled

To confine spill: Cover to prevent dispersal. Place damaged package in a holding container and identify

In case of spill: Avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. in a cool, dry place and avoid excess heat. Carefully open containers. After partial use close tightly. PESTICIDE STORAGE: Keep out of reach of children and animals. Store in original containers only. Store

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

#### area and adjust settings further if necessary to ensure the correct rate of application. to calibration of each spreader. The technician should observe the amount of product applied to a known included in the Owner's Manual for the spreader. These spreader settings are presented as starting points factors have not changed the flow rate of Bifen L/P Insecticide Granules. Instructions for calibration are

Note: Spreader should be calibrated from time to time to make certain that mechanical wear or other NR= Not recommended Vicon PS1002T Σ١ Σ١ S.4 Vicon PS402 Οl S.4 7. 5.4 ИK ИK Lely Model L-400

and Pushed         Once         Twice         Once         Twice         Over				
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duipment Ground Speed 100 pounds per acre 200 pounds per acre				
Spreader Settings				
te: During the cooler months, electrical sites seem to be more attractive to ants. Apply in the Fall or  1y Spring for best results.  Spreader Settings for Broadcast Applications				
od utensils such as tablespoons must not be used for food purposes after use in measuring pesticides.				

#### filled with soil excavated by resident ants, remove excess soil and level before treating existing transformers. mounting pad to decrease or prevent ant mound building activity on electrical pads. If partly or totally Uniformly apply 1.0 to 1.5 Tablespoons (0.06 to 0.09 lbs.) of Bifen L/P Insecticide Granules per 4 sq. ft. of

Pad Mounted Electrical Sites comments section under Lawn & Perimeter Applications. control actively foraging ants (including Imported Fire Ants). For additional rate recommendations see Broadcast 2.3 to 4.6 lbs. Bifen L/P Insecticide Granules per 1000 sq. ft. (0.2 to 0.4 lbs. ai/Acre) uniformly to Broadcast Applications (Including, but not limited to, Industrial Sites, Parks, Ball Fields and Cemeteries) INDUSTRIAL NON-AGRICULTURAL APPLICATIONS

measuring cups must not be used for food purposes.

the mound with 1 to 2 gallons of water using enough force to allow the insecticide to flow into the ant tunnels. Apply in cool weather (65 to  $80^\circ$ f) or in early morning or late evening hours to achieve the best Fire ant mound treatment: Treat using & cup of Bifen L/P Insecticide Granules per mound and then flood treated at the four corners of a rectangular structure). adding to that value the area of a circle whose radius is equal to the band width (to account for the area

being treated. This area is determined by multiplying the linear distance by the band width and then

Note: The amounts of Bifen L/P Insecticide Granules listed in the above table are based on the total area

results. Treat new mounds as they appear. After use with insecticide, food utensils such as teaspoons and

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.tt. ps Lbs. per 1000 Linear Distance (Feet) Around Structure Pounds of Bifen L/P Insecticide Granules for Perimeter Applications Boundary Treatment: Treat mulch areas, soil areas, vegetation areas, ornamental gardens, planter areas, Perimeter Treatment: Treat the ground area 5 to 10 feet wide around and adjacent to the structure. place, as needed, from mid spring to early fall. ways where they are likely to find a host. To control tick larvae, nymphs and adults, treatments should take dwellings are constructed on former fields or wooded areas. These pests normally gather by paths or road-

be made in mid to late-spring. American dog ticks invade suburban settings in areas where residences and cycle spanning 2 years. To control larvae and nymphs that live in the soil and leaf litter, treatments should Do not allow public use of treated areas during application. Deer ticks (Ixades sp.) have a four-stage life leaf litter use higher application rates. Ticks may be reintroduced from surrounding areas on host animals. note area where contact to ticks may occur, when treating areas with dense ground cover or heavy application to the entire area where contact with ticks may occur. Do not make spot treatments. Treat <sup>10</sup>Ticks (Including ticks that may transmit Lyme Disease and Rocky Mountain Spotted fever): Make to irrigate prior to treatment to bring the adult mole crickets closer to the soil surface. after application with up to U.5 inches of water. To ensure maximum contact when soil is dry, it is necessary

tion rates more frequent. It is ideal to treat the areas as late in the day as possible and water immediately

control. For larger more damaging nymphal stages later in the year, it may be necessary to use higher applica-

close to the soil surface where the insecticide is most concentrated and thereby providing the most efficient

beak egg hatch. Young nymphs are more vulnerable to insecticidal treatment at this stage because they are Mole Cricket nymphs: Treat grass areas that are preferred by adult mole crickets in the spring just before

preferred by adult mole crickets should be treated at peak hatch stage. (See below). closer to the soil surface. To obtain the best possible control of potential nymphal populations, the grass areas maximum contact when soil is dry, it is necessary to irrigate prior to treament to bring the adult male crickets late in the day as possible and water directly following application with up to 0.5 inches of water. To ensure the active adult stage, it can be hard sustain control ot adult mole crickets. It is ideal to treat the areas as <sup>®</sup>Mole Cricket adults: Since the preferred grass areas are susceptible to constant invasion in early spring by

or late evening hours. The queen will be killed withing 24 hours of application. Six months residual activity for aronuq the mound should also be treated. For best results, apply in cool weather (65-80°F) or in early morning flow inside the ant tunnels, the mounds should be treated with adequate force. A four-foot diameter circle drenching the mound with 1 to 2 gallons of water. To break their apex and permit the insecticide solution to broadcast treatments. Treat mounds with a product that is registered with the EPA and properly labeled for control of free ant mounds or by applying ½ cup of Bifen L/P Insecticide Granules per mound and then mound drenches. It is critical to water before treatment if the soil is dry. Apply up to 0.4 lb AI/A when making Imported Fire ants: The best control will be achieved by using broadcast treatments in combination with tollowing application. (release from the granule) the insecticide, water the treated areas with up to 0.5 inches of water directly

control of foraging Imported Fire Ants and newly mated Fly-In Queens will be provided by applying 125 lbs./acre

contain both nymphs and adults during the summer, higher applications rates may be necessary. granule) the insecticide. Chinch bugs can be hard pests to control in grasses and to control populations that \*Chinch Bugs: Commonly found in thatch layer, Chinch bugs attack the base of grass plants. Directly following treatment, water the treated area with up to 0.25 inches of water to activate (release from the July treatment to match with the blooming Rose of Sharon (Hibiscus syriacus). ploom stade of Vanhoutte spirated (Spirate vanhoutte) and horse chestnut (Aesculus hippocastanum). Time the respectively, treatments should take place in May and July, Time the May treatment to match with the full

Flea larvae: Immature fleas mature in shaded areas accessible to pets and other animals. To activate

"Black Turfgrass Ataenius adults: To control the 1st and 2nd generation of Black Turfgrass Ataenius adults, otter control of over-wintered chinch bugs in temperate climates. your region, check with your State Cooperative Extension Service. Spring treatments for billbug adults will also optimize treatment timing, degree day models have been developed. For detailed information particular to

\*Billbug adults: Treatment of adult billbugs should be made when they are first noticed in April and May. To cerning treatment timing, check with your State Cooperative Extension Service. and ends when Cornus florida (flowering dogwood) is in full bloom. For additional detailed information coninto grass areas and away from their overwintering sites. Travel usually starts when Forsythia is in full bloom Annual Bluegrass Weevil (Hyperodes) adults: Treatment of this species should be performed as they travel

of water to activate (release from the granule) the insecticide. 'Armyworms, Cutworms, and Sod Webworms: For best results water the treated area with up to 0.1 inches rntopean Crane Flies

.11 .ps 0001 ft.

A\IA .zdl 4.0	4.6 lbs.per	200 lbs. per	Pillbugs	
A\IA .zdl 4.0-S.0	2.3 - 4.6 lbs. per 1000 sq. ft.	ber асге 100-200 lbs.	Ants, Centipedes, Chinch Bugs <sup>5</sup> , Fleas (Larvae)°, Fleas (Adult), Imported Fire Ants (Adult) <sup>7</sup> , Imported Fire Ants (Mounds) <sup>7</sup> , Millipedes, Mole Cricket (Adult) <sup>8</sup> , Mole Cricket (Mymph) <sup>9</sup> , Ticks <sup>10</sup>	
A\IA .2dl S.0-1.0	1.15-2.3 lbs. per 1000 sq. ft.	ber асге 20 - 100 IPs.	Annual Bluegrass Weevil (Hyperodes) (Adult)², Billbugs (Adults)³, Black Turfgrass Ataenius (Adult) <sup>*</sup> , Leafhoppers, Mealy bugs	
A\IA .zdl f.0	1.15 lbs. per 1000 sq. ft.	50 lbs. per acre	Armyworms <sup>1</sup> , Cutworms <sup>1</sup> , Sod Webworm <sup>1</sup>	
Active Ingredients Ibs. per Acre	Application Rate Bifen L/P Insecticide Granules		fest	
ctive ingredient per acre per application.				
	n səlunarƏ əbiəitə	esnl ¶\L nəfiß ,əlo	table. To control each of the pests listed in this tab Alb AlA b, at the discretion of the applicator. For	

Under normal conditions, the treatment rates stated in the table below will control the pests listed in the Application Rates for Lawn and Perimeter signs of renewed insect activity, but not sooner than two weeks after the first application. In New York State, do make a single repeat application of Bifen L/P Insecticide Granules if there are poqy (lake, pond, river, stream, wetland, or drainage ditch).

In New York State, this product may NOT be applied to any grass or turf area within 100 feet of a water coverage of the area being treated. Use appropriate application equipment to broadcast Bifen L/P Insecticide Granules to achieve thorough LAWN & PERIMETER APPLICATIONS

o For further information or to report suspected resistance contact Control Solutions, Inc. at 800-242-5562 or at ment and/or IPM recommendations for the specific site and pest problems in your area. o Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-manageresistance, consult with your local university specialist or certified pest control advisor. o Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of

similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide o The insect resistance management benefits of an insecticide mixture are greatest if the two components have still provide pest management benefits. o Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may o When using mixtures, consider any known cross-resistance issues between the individual components for the

historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological o Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses activity may offer an insect resistance management benefit only for the period where both insecticides are active.

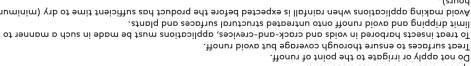
o Mixtures with components having the same IRAC mode of action classification are not recommended for insect they are individually registered for use against the target species. o Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC): cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition,

• Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such resistance-management strategies should be followed. dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate individuals naturally resistant to this product and other Group 3A insecticides. The resistant individuals may For resistance management, this product contains a Group 3A insecticides. Any insect population may contain Resistance Management:

use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known

storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during

Do not apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers,



and other chemical control practices.

Rainfall within 24 hours after application may cause unintended runoff of pesticide application. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 limit dripping and avoid runoff onto untreated structural surfaces and plants.

Do not allow to enter indoor or outdoor drains. No permita la entrada a desagües internos o externos.

Treat surfaces to ensure thorough coverage but avoid runoff. Do not apply or irrigate to the point of runoff. spot or crack-and-crevice treatment. Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a Do not allow the product to enter any drain during or after application.

drains, or to any area like a drain or gutter where drainiage to sewers, storm drains, water bodies, or aquatic Do not apply the product into fish pools, ponds, streams, or lakes. Do not apply directly to sewers or storm streams, marshes or natural ponds, estuaries and commercial fish farm ponds. For soil or foliar applications, do not apply by ground within 25 feet of lakes, reservoir, rivers, permanent Do not make applications during the rain.

Do not apply when the wind speed is greater than 15 mph. Water treated area as directed on this label. Do not water to the point of run-off. Apply this product directly to the lawn or garden area. Not for use on golf courses, sod farms, nurseries, in commercial greenhouses or on grass grown for seed.

For applications at rates above 0.34 lbs. Bifenthrin/A, users must water the treated area immediately Do not broadcast apply more than 0.4 lbs. A.I. (200 lbs. of Bifen L/P Insecticide Granules) per Acre per year.

use sites (i.e., around institutional, public, commercial or industrial buildings; parks; recreational areas or athletic pre-schools or day care facilities). May be applied at up to 0.4 lb. a.i. per acre per application on non-residential homes, apartment buildings, condominiums, non-agricultural outbuildings, non-commercial greenhouses, Do not apply more than 0.2 lb. Bifenthrin per acre per application on residential use sites (i.e., around private interior plantscapes, ornamental gardens or parks, or lawns or grounds. research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in

> It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. **DIRECTIONS FOR USE**

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for

will help to prevent run off to water bodies or drainage systems. any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping antfers or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, in neignboring areas.

favor drift from treated areas. Drift and run-off from treated areas may be hazardous to aquatic organisms This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply when weather conditions **ENVIRONMENTAL HAZARDS**