WISDOM® LAWN GRANULAR

INSECTICIDE

INSECTICIDE BIFENTHRIN GROUP 3A

For use to control Ants (including Imported Fire Ants), Mole Crickets 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.

For outdoor use only.

Treats up t o 5,000 sq. ft.

ACTIVE INGREDIENT: By Weight Bifenthrin* 0.2% OTHER INGREDIENTS: 99.8% TOTAL:100.0%

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

KEEP OUT OF REACH OF CHILDREN **CAUTION**

FIRST AID					
If on	Take off contaminated clothing.				
skin or clothing:	Rinse skin immediately with plenty of water for 15-20 minutes.				
	Call a poison control center or doctor for treatment advice.				
EMERGENCY INFORMATION					
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY: For Medical Emergencies phone:					
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 so should be avoided.					

See back panel for additional precautionary statements and directions for use.





NET CONTENTS: 25 LB



10841-20210721

52 LB NET CONTENTS:

Newbort Beach, CA 92660 U.S.A. 4695 MacArthur Court, Suite 1200 AMA Chemical Corporation An American Vanguara Company



EPA Est. No. 5481-AL-1AX; 88746-GA-1B EPA Reg. No. 5481-521

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SE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE THE EXTENT CONSISTENT WITH APPLICABLE LAW THE MANUFACTURER NEITHER THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. TO CONTRARY TO LABEL INSTRUCTIONS, OR UNDER CONDITIONS NOT REASONABLY FORESEEABLE. conditions. THIS WARRANTY DOES NOT EXTEND TO THE USE OF THIS PRODUCT been made on all varieties of food crops and plants, or in all states or under all and residues on food crops, and upon reports of field experience. Tests have not easonable tests of effectiveness, of toxicity to laboratory animals and to plants statements on this label are based upon responsible experts' evaluations or The manufacturer warrants (a) that this product conforms to the chemical description on the label; and (b) that the directions, warnings, and other statements on the label; and the productions warnings, and other statements on the label; and the productions of the chemical productions are the chemical to the chemical of the chemical control of the chemical control

LIMITED WARRANTY AND DISCLAIMER

State and local authorities, by burning. If burned, stay out of smoke. dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by container. Paper and plastic bags: Completely empty bag into application or adulting, if available or CONTRINGE HANDLING: Nonrefillable container. Do not reuse or refill this may be disposed of on site or at an approved waste disposal facility. The confine a pills. Cover to prevent dispersal. Place damaged package in a holding container, Identify contents.

In case of spill, avoid contact, isolate area and keep out animals and excess heat. Carefully open containers. After partial use close tightly. Store in original containers only. Store in a cool, dry place and avoid PESTICIDE STORAGE: Keep out of reach of children and animals. Do not contaminate water, food or feed by storage or disposal.

JASOASIQ QNA 3DAROTS Dealers Must Sell in Original Packages Only.

tions are included in the Owner's Manual that was provided by the equipment manufacturer at the time of purchase. as necessary, to maintain the appropriate application rate. Spreaders should be calibrated periodically to ensure that well of the flow rate of WISDOM LAWN GRANULAR INSECTICIDE. Calibration instructions are included in the Owner's Manual that was provided by applied to a known area and make further setting adjustments, After calibration, the technician should regularly observe the amount of WISDOM LAWN GRANULAR INSECTICIDE that is

calibrating a spreader to achieve the desired application rate of WISDOM LAWN GRANULAR INSECTICIDE.

NOTE: These settings should be used as starting points when						
13	51	6	13	6. ₽	con PS1002T	
10	91	L	10	6. 4	icon PS402	
Not Rec.	2	Not Rec.	Not Rec.	6. ₽	ely Model L-400	
7	3.5	ŀ	2	6. ₽	Lely 2.3202.000.1	
H-8	-	-	H-8	0.8	TT-TD bra	
-	H-8	-	-	0.4	Frd GT-77	
16.5	54	12	3.91	0.6	andy 10T Series	
12	50	11	91	6.4	Gandy 6500 Series	
Þ١	61	6.11	7	6. 4	Gandy Models (42, 36, 30, 24)	
Equipment Drawn (PTO=540 RPM)						
2.6	3.1	2	2.6	3	Spyker (all Models)	
12	91	3.01	12	3	Gandy Models (42, 36, 30, 24)	
9	Not Rec.	3	ย	3	Scotts R-8A-1 Rotary	
b/l + 8	C + 1/5	S\r + A	b/l + 8	3	ESCO Rotary	
bana-Pnshd						
Twice Over	Once Over	Twice Over	Once Over	(HAM)		
cre 200 Pounds per Acre		ber Acre	sbnuo9 001	SPEED	EQUIPMENT	
SPREADER SELLING				свопир		

Broadcast Applications. WISDOM LAWN GRAUULAR INSECTICIDE - Spreader Settings for

NOTE: Electrical transformers appear to be more attractive to ants during the cooler months. For best results, treat in the Fall or early Spring.

CIDE per 4 sq. ft. of mounting pad. Where existing transformers are completely or partially filled with soil excavated by resident ants, remove any excess fill and level the remaining soil prior to application. mound building activity on electrical pads, uniformly distribute 1.0 to 1.5 Tablespoons (0.06 to 0.09 lb.) of WISDOM LAWN GRANULAR INSECTI-

PAD MOUNTED ELECTRICAL SITES: To reduce or prevent ant foraging ants (including Imported Fire Ants) broadcast uniformly $\hat{\Sigma}.\hat{\beta}$ to 4.6 lbs. WISDOM LAWN GRANULAR INSECTICIDE per 1000 sq. ft. (0.2 to 0.4 lb. a.i./A). See comments section under Lawn & Perimeter Applications for additional rate directions.

BROADCAST APPLICATIONS: For the control of actively (Including Industrial Sites, Parks, Ball Fields and Cemeteries) INDUSTRIAL NON-AGRICULTURAL APPLICATIONS



best results, apply in cool weather (65° to 80° F) or in early morning or late evening hours. Treat new mounds as they appear. Food utensils such as exening hours. Treat new mounds as they appear. Food utensils such as exening the same mounds as they appear. to break its apex and allow the insecticide to flow into the ant tunnels. For FIRE ANT MOUND TREATMENT: Apply 1/2 cup of WISDOM LAWN GRANULAR INSECTICIDE per mound and then drench the mound with 1 to 2 gallons of water. The mound should be drenched with sufficient force

equal to the band width (to account for the area treated at the four corners of a rectangular atructure). width and then adding to that value the area of a circle whose radius is This area is determined by multiplying the linear distance by the band MOTE: The amounts of WISDOW LAWN GRANDLAN inspection. listed in the above table are based on the total area bound the total area being treated.

OTE: The amounts of WISDOM I AWN GRANIII AB INSECTICIDE									
32.9	8.81	13.5	10.3	7.8	1.7	G. G	3.9	L	9.4
16.2	2.8	6.6	G	4.2	5.5	2.5	7.1	3.5	9.4
25.0	12.8	10.3	6.7	7.8	₽.G	4.2	3.0	L	3.5
12.4	6.3	0.6	3.8	3.2	9.2	2.0	4.1	3.5	3.5
21.5	0.11	6.8	8.8	7.8	7. 4	3.6	2.6	L	3.0
9.01	4. G	4.3	5.5	7.2	2.2	7.1	1.2	3.5	3.0
16.5	4.8	8.8	5.2	p. p	3.6	8.2	2.0	L	2.3
1.8	4.1	5.5	2.5	1.2	7.1	£.1	6.0	3.5	2.3
1,000	900	007	300	520	200	150	100		.ft .ps 000,
Linear Distance (Feet) Around Structure							t99∃ ni	onuqs ber	
for Perimeter Applications								Width	:9teA
Band Pounds of WISDOM LAWN GRANULAR INSECTICIDE								noitsoilqq	

Boundary Applications: Apply to soil areas, ornamental gardens, pavement crevices, fencelines, planter areas, vegetation areas and mulch areas. man-made structure to pervious surfaces (e.g. soil, mulch, or lawn) Apply perimeter band treatments of 7 feet wide or less from the base of a PERIMETER APPLICATION

paths or roadways where humans are likely to be encountered. Applications should be made as necessary from mid-spring to early fall to control American dog tick larvae, nymphs and adults. previously field or forest. These ticks commonly congregate along American Dog Ticks may be a considerable nuisance in suburban settlings, particularly where homes are built on land that was

Deer Ticks (Ixodes sp.) have a complicated life cycle that ranges over a two year period and involves four life stages. Applications should be made in mid to late spring to control larvae and nymphs that reside in the soil and leaf litter. treated areas during application. necessary to maintain adequate control. Do not allow public use of be reintroduced from surrounding areas on host animals. Retreat as neuze dionina cover or ne

10 Ticks: Do not make spot applications. Treat the entire area where exposure to ticks may occur. Use higher application rates when application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized. treatment. If the soil is not moist, then it is important to irrigate before application rates and more frequent applications to maintain acceptable control. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inch of water immediately after should be watered in with up to 0.5 inch of water immediately after should be watered in with up to 0.5 inch of water immediately after should be watered in with up to 0.5 inch of water immediately after should be watered in with up to 0.5 inch of water inch of wate larger, more damaging, nymphs later in the year may require both higher soil surface where the insecticide is most concentrated. Control of cricket pressure in the spring should be treated immediately prior to peak egg hatch. Optimal control is achieved at this time because young nymphs are more susceptible to insecticides and they are located near 9Mole Cricket nymphs: Grass areas that received intense adult mole optimum control of subsequent nymph populations (see below).

insecticide will be maximized. Grass areas that receive pressure from adult mole crickets should be treated at peak egg hatch to ensure pling the mole clickets closer to the soil surface where contact with the soil is not moist, then it is important to irrigate before application to watered in with up to 0.5 inch of water immediately after treatment. If the invasion during the early spring by this extremely active stage. Applications should be made as late in the day as possible and should be crickets is difficult because preferred grass areas are subject to continuous 8 Mole Cricket adults: Achieving acceptable control of adult mole

six months residual activity for control of foraging imported Fire Ants and newly mated fly-in queens. "Not applicable in California. square feet contains the approximate dilution (1 teaspoon per gallon) that is required for fire ant mound drenches in the spray tank. *Application of 125 lbs./A of WISDOM LAWN GRANULAR INSECTICIDE will provide of 125 lbs. Note: A spray rig that is calibrated to apply 0.1 lb. a.i./A (20 ozs.) of Wisdom TC Flowable (EPA Reg. No. 5481-520) in 2.5 gallons per 1,000

weather (65 - 80° F) or in early morning or late evening hours. with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels. A four-foot diameter circle around the mound should also be treatled. For best results, apply in cool gallons of finished spray per mound. The mounds should be treated Broadcast treatments should apply up to 0.4 lb. a.i.A. Mounds should broadcast treatments should apply up to 0.4 lb. a.i.A. Mounds should be treated by diluting 1 teaspoon of water and applying 1 to 2 of 1 to 1 lb. 5481-520) formulation per gallon of water and applying 1 to 2. he soil is not moist, then it is important to irrigate before application. cast applications that will control foraging workers and newly mated fly-in queens with mound drenches that will control existing colonies. If *Imported Fire Ants: Control will be optimized by combining broad

0.5 inch of water immediately after application to activate (release from the granule) the insecticide. accessible to pets or other animals. Irrigate the treated area with up to •Flea Larvae: Flea larvae develop in the soil of shaded areas that are adults during the summer. the granule) the insecticide. Chinch bugs can be one of the most difficult pests to control in grasses and the higher application rates may be required to control populations that contain both nymphs and

inch of water immediately after application to activate (release from ⁵Chinch Bugs: Chinch bugs infest the base of grass plants and are often found in the thatch layer. Irrigate the treated area with up to 0.25 often found in the thatch layer. (Spiraea vanhouttei) and horse chestnut (Aesculus hippocastanum). The July application should be timed to coincide with the blooming of Rose of Sharon (Hibiscus syriacus).

timed to coincide with the full bloom stage of Vanhoutte spiraea turfgrass ataenius adults, respectively. The May application should be *Black Turfgrass Ataenius adults: Applications should be made during May and July to control the first and second generation of black Extension Service for information specific to your region. In temperate regions, spring applications targeting billbug adults will also provide control of over-wintered chinch bugs.

³Billbugs: Applications should be made when adult billbugs are first observed during April and May. Degree day models have been developed to optimize application timing. Consult your State Cooperative when Forsythia is in full bloom and concludes when flowering dogwood is in full bloom. Consult your State Cooperative Extension Service for more specific information regarding application timing. sites and move into grass areas. This movement generally begins be timed to control adult weevils as they leave their overwintering ²Annual Bluegrass Weevil (Hyperodes) adults: Applications should after application to activate (release from the granule) the insecticide. ¹Armyworms, Cutworms, and Sod Webworms: To ensure optimum control, irrigate the treated area with up to 0.1 inch of water immediately

In New York State, do make a single repeat application of Wisdom Lawn Granular Insecticide if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

In New York State, this product may NOT be applied to any grass or turf area within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).

		12011	
4.6 lbs. per 1000 sq. ft.	ber acre 200 lbs.	4.0	Pillbugs Sowbugs
2.3 – 4.6 lbs. per 1000 sq. ff.	ber acre 100- 200 lbs.	4°0 – 3°0	Antbedes Chinch Bugs ⁶ Chinch Bugs ⁶ Fleas (Larvae) ⁶ Imported Fire Ants (Adult) ⁷ Imported Fire Ants (Mult) ⁸ Millipedes Mole Cricket (Adult) ⁸ Mole Cricket (Adult) ⁸ Ticks ¹⁹
1.75 – 3.50 lbs. per 1000 sq. ft.	75 - 150 lbs. per acre	£.0 – ð t.0	European Crane Fly
1.15 - 2.3 lbs. per 1000 sq. ft.	20 - 100 lbs. Der acre	2.0 – 1.0	Annual Bluegrass Weevil (Hyperodes) (Adult) ² Billbugs (Adult) ³ Black Turgrass Ataenius Black Turgrass Ataenius Acult) ⁴ Leathoppers Mealybugs
1.15 lbs. per 1000 sq. ft.	50 lbs. per acre	1.0	Armyworms¹ Cutworms¹ Sod Webworm¹
ANDLAR INSECTIDIDE		AVIIVE INGREDIENT A\.i.s.ib.	PEST

APPLICATION RATE ACTIVE INGREDIENT water the treated area immediately after application. to 0.4 lb. a.i. per acre to control each of the pests listed in this Table. For residential lawn use, do not apply more than 0.2 lb. a.i. per acre per application. For applications at rates above 0.34 lb. a.i.A. (170 lbs product/acre), users must The application rates listed in the following table will provide excellent control of the respective pests under typical conditions. However, at the discretion of the respective pests under typical conditions. However, at the discretion of the applicator, WISDOM LAWN GRANULAR INSECTICIDE may be applied at up **APPLICATION RATES** the treatment area.

CIDE with suitable application equipment to ensure uniform coverage over LAWN APPLICATION: Broadcast WISDOM LAWN GRANULAR INSECTI-LAWN AND PERIMETER APPLICATIONS

university extension specialist to report resistance. at (1-888-462-6822). You can also contact your pesticide distributor or Por further information or to report suspected resistance contact AMVAC

rious tor specific site and pest problems in your area. additional pesticide resistance-management and/or IPM recommenda-Contact your local extension specialist or pest control advisor for any of survival suggests the presence of resistance, consult with your local Monitor after application for unexpected target pest survival. If the level chemical control practices.

use record keeping, and which considers cultural, biological and other that includes scouting, uses historical information related to pesticide Adopt an integrated insect management program for insecticide use insecticides within the year with different groups that control the same pests. To delay insecticide resistance, take one or more of the following steps:

• Rotate the use of Wisdom Lawn Granular Insecticide or other Group 3 management strategies should be followed.

FESISTANCE MANAGEMENT

For resistance management, Wisdom Lawn Granular Insecticide contains bifenthrin, a Group 3 insecticide. Any insect population may linesticide and other Group 3 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same locations. Appropriate resistance management at state is a supply of the contains of the insections. RESISTANCE MANAGEMENT commercial greenhouses or on grass grown for seed. this label. Not for use on golf courses, sod farms, nurseries, in directly to the lawn or garden area. Water treated area as directed on

Do not broadcast apply more than 0.4 lb. a.i. (200 lbs. WISDOM LAWN GRANULAR INSECTICIDE) per acre per year. Apply this product residential use sites (i.e., around institutional, public, commercial or industrial buildings; parks; recreational areas or athletic fields). non-commercial greenhouses, pre-schools or day care facilities). May be applied at up to 0.4 lb. a.i. per acre per application on non-Do not apply more than 0.2 lb. active ingredient (a.i.) per acre per application on residential use sites (i.e., around private homes, apartment buildings, condominiums, non-agricultural outbuildings,

being grown in interior plantscapes, ornamental gardens or parks, or on plants intended for aesthetic purposes or climate modification and Do not apply when the wind speed is greater than 15 mph.

 Do not apply when the wind speed is greater than 15 mph.

 Mot for use on plants being grown for sale or other commercial use, or for research purposes. For use for commercial seed production, or for research purposes. For use

runoff of pesticide application. Rainfall within 24 hours after application may cause unintended Avoid making applications when rainfall is expected within 4 hours.

bodies, or aquatic habitat can occur.
Do not allow the product to enter any drain during or after application.
Do not apply or irrigate to the point of runoff.
Do not make applications during rain.
Do not make applications during rain.

a drain or gutter where drainage to sewers, storm drains, water • Do not apply directly to sewers or storm drains, or to any area like Do not spread the product into fish pools, ponds, streams, or lakes. natural ponds, estuaries and commercial fish farm ponds.

man-made structure to pervious surfaces (e.g. soil, mulch, or lawn)
• For soil or foliar applications, do not apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or 1. Application to pervious surfaces such as soil, lawn, turk, and other vegetation 2. Perimeter band treatments of 7 feet wide or less from the base of a treatments only, except for the following permitted uses: All outdoor applications must be limited to spot or crack-and-crevice For Outdoor Use only. sistent with its labeling.

It is a violation of Federal Law to use this product in a manner incon-DIRECTIONS FOR USE

ditches, gutters or surface waters. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run-off to water bodies or drainage systems. not allow pesticide to enter or run-off into storm drains, drainage if bees are visiting the treatment area. To protect the environment, do Do not apply this product or allow it to drift to blooming crops or weeds exposed to direct treatment or residues on blooming crops or weeds. Do not apply when weather conditions favor drift from treated areas. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. This product is highly toxic to bees

This pesticide is extremely toxic to fish and aquatic invertebrates. **ENVIRONMENTAL HAZARDS** Keep and wash PPE separately from other laundry. If no such instructions for washables, use detergent and hot water. Follow manufacturer's instructions for cleaning/maintaining PPE.

 Shoes and socks. Waterproof gloves. · Long-sleeved shirt and long pants. Applicators and other handlers must wear: PERSONAL PROTECTIVE EQUIPMENT (PPE)

toilet. Remove and wash contaminated clothing before reuse. and before eating, drinking, chewing gum, using tobacco or using the eyes or clothing. Wash thoroughly with soap and water after handling CAUTION: Harmful if absorbed through skin. Avoid contact with skin, HAZARDS TO HUMANS AND DOMESTIC ANIMALS PRECAUTIONARY STATEMENTS

INSECTICIDE

INSECTICIDE GROUP **BIFENTHRIN**