5481-518

4/21/2006

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Please read instructions on reve	erse before complet	orm.	, , , , , , ,		Form oved, O	MB No. 207	70-0060, Approval expires 2-28-9	
⊗ EPA		United Stanental Protestashington, Do	ection Agency		Registra Amenda Other		OPP Identifier Number	
建设的企业工程	A	pplicatio	n for Pestici	de - Sec	ction I			
1. Company/Product Number	er		2. EPA	Product Ma	nager	3. Prope	osed Classification	
A. C.	5481-518			George L	a Rocca			
4. Company/Product (Name)			PM#			X Nor	ne Restricted	
Wise	dom EZ Golf Course			13	3			
5. Name and Address of App Amvac Chemical Corpora 4695 MacArthur Court, St Newport Beach, CA 9266	ation uite 1250		EPA	uct is simila		ompositi	FRA Section 3(c)(3)(b)(i), my on and labeling to:	
			Section - I		***			
Amendment - Explain I	below				labels in response	e to Agen	CANDENSIERATION	
Resubmission in respo		r dated		Me Too" Ap				
		uateu	_				APR 2 1 2006	
Notification - Explain b	elow		Ot	her - Explai	in below			
			Section - I	I		100 to 10		
1. Material This Product Wi Child-Resistant Packaging	Unit Packaging		Water Soluble	Packaging	2. Type of	Containo		
☐ Yes*	_ Vaa		Yes Yes	rackaging	A Park and a second	Metal		
No No	□ res		No No					
	If "Yes"	No. per	If "Yes"	es" No. per		Glass		
* Certification must be submitted	Unit Packaging wt.	container	Package wt.	container		Paper Other (Sp	pecify)	
3. Location of Net Contents	Information	4 Size(s) R	etail Container	78.7 - 24.4	5. Location of La	hel Direc	tions	
					On Label			
⊠ Label □	Container				On Labeling a	ccompan	ying product	
			raphed glued	Stenciled Other				
			Section - I	V				
1. Contact Point (Complete	items directly below	for identifica	tion of individual t	o be contac	ted, if necessary,	to proces	ss this application.)	
Name Jon C. Wood			Title Director of Registrations		Telepho	phone No. (Include Area Code) 949-221-6109		
I certify that the staten complete. I acknowled imprisonment or both u	lge that any knowir	igly false or i	and all attachmen				8. Date Application Received (Stamped)	
2. Signature			3. Title Director of Registrations			000000		

5. Date

4. Typed Name



April 3, 2006

Mr. George LaRocca
Document Processing Desk (Notif.)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Room 266A, Crystal Mall 2
1801 S. Bell St.
Arlington, VA 22202-4501

Subject:

Notification of Alternate Brand Names for:

Wisdom GC Granular (EPA Reg. No. 5481-518)

ABN: Wisdom EZ Golf Course

Wisdom Lawn Granular Insecticide (EPA Reg. No. 5481-521)

ABN: Wisdom EZ

Dear Mr. LaRocca:

This is submitted to notify the Agency of the Alternate Brand Names (ABN) for the above subject granular bifenthrin products. Since these ABNs will be used with the currently approved alternate formulation, alternate recommended spreader settings have been included in the enclosed labeling.

In support of this Notification, please find the following documents enclosed:

1. Registration Application (EPA Form 8570-1) for each product.

2. Labeling for Wisdom EZ Golf Course (Ref. No.: 518-060403r1ABN).

3. Labeling for Wisdom EZ (Ref. No.: 521-0604036r1ABN).

If you require additional information, please don't hesitate to contact me at 949-260-1212 or jonw@amvac-chemical.com. Thank you for your attention to this matter.

Best regards,

Jon C. Wood

Director of Registrations

WISDOMTM EZ GOLF COURSE

RESTRICTED USE PESTICIDE

Toxic to Fish and Aquatic Organisms

For retail sale to and use only by Certified Applicators, or persons under their direct supervision and only for those uses covered by the certified applicator's certification

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 golf courses sod farms and athletic fields

ACTIVE INGREDIENT	
Bifenthrin *	0 2%
INERT INGREDIENTS	99 8%
TOTAL	100 0%

^{*}Cis isomers 97% minimum trans isomers 3% maximum

KEEP OUT OF REACH OF CHILDREN

CAUTION

DO NOT USE THIS PRODUCT ON GOLF COURSES AND SOD FARMS IN NASSAU COUNTY OR SUFFOLK COUNTY, NEW YORK

EPA Reg No 5481-518 EPA Est No 39578-TX-1

Made in USA

NET WEIGHT/U S Standard Measure

	FIRST AID					
If on skin or Take off contaminated clothing						
clothing Rinse skin immediately with plenty of water for 15-20 minutes						
Call a poison control center or doctor for treatment advice						
	EMERGENCY INFORMATION					
treatment	container or label with you when calling a poison control c	enter or doctor, or going for				
FOR THE FOLLO	OWING EMERGENCIES, PHONE 24 HOURS A DAY					
Transportation CF	HEMTREC	1-800-424 9300				
Other AMVAC 1-323-264 3910						
-	NOTE TO PHYSICIAN					
	syrethroid If large amounts have been ingested, milk, creat ase absorption and so should be avoided	m and other digestible fats				

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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Caution Harmful if absorbed through skin Avoid contact with skin, eyes or clothing

The following Personal Protective Equipment requirements apply to sod farm use only PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE If no such instructions for washables, use detergent and hot water Keep and wash PPE separately from other laundry

USER SAFETY RECOMMENDATIONS

Users Should

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet
- Remove clothing immediately if pesticide gets inside Then wash thoroughly and put on clean clothing
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic 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 apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Do not apply by air

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, 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-residential use sites (i e, around institutional, public, commercial or industrial buildings, golf courses, sod farms, parks, recreational areas or athletic fields)

Do not broadcast apply more than 0 4 lbs A I (200 lbs Wisdom EZ Golf Course) per Acre per year

Do not apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds

Not for use on nurseries, commercial greenhouses or grass grown for seed

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 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 intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard

Do not enter or allow worker entry to treated areas during the restricted entry interval (REI) of 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
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses

If watering in of the granules is necessary, do not allow people or pets on treated surfaces until the grass or soil is dry

Do not touch treated surface until dry

GRASS AND PERIMETER APLICATIONS

(Including Golf Courses and Sod Farms)

Grass Application Broadcast Wisdom EZ Golf Course with suitable application equipment to ensure uniform coverage over the treatment area

APPLICATION RATES

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 applicator, Wisdom EZ Golf Course may be applied at up to 0.4 lb AI/A to control each of the pests listed in this table. However, for residential lawn use, do not apply more than 0.2 lbs. A I per Acre per application

Pest	Active ingredient lbs per acre	Application Rate Wisdom EZ Golf Course			
Armyworms ¹	0 1	50 lbs	1 15 lbs		
Cutworms ¹	lbs AI/A	per acre	per 1 000 sq ft		
Sod Webworm ¹					
Annual Bluegrass Weevil	0102	50 100 lbs	1 15 2 3 lbs		
(Hyperodes) (Adult) ²	lbs AI/A	per acre	per 1 000 sq ft		
Billbugs (Adult) ³					
Black Turfgrass Ataenius (Adult) ⁴					
Leafhoppers					
Mealybugs					
Ants	0 2 0 4	100 200 lbs	2 3 4 6 lbs		
Centipedes	lbs AI/A	per acre	per 1 000 sq ft		
Chinch Bugs ⁵					
Fleas (Adult)					
Fleas (Larvae) ⁶					
Imported Fire Ants (Adult) ⁷					
Imported Fire Ants (Mounds) ⁷					
Millipedes					
Mole Cricket (Adult) ⁸					
Mole Cricket (Nymph) ⁹					
Ticks ¹⁰					
Pillbugs	0 4	200 lbs	4 6 lbs		
Sowbugs	lbs AI/A	per acre	per 1 000 sq ft		

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)

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

Comments

¹Armyworms, Cutworms, and Sod Webworms To ensure optimum control, irrigate the treated area with up to 0.1 inches of water immediately after application to activate (release from the granule) the insecticide

²Annual Bluegrass Weevil (*Hyperodes*) adults Applications should be timed to control adult weevils as they leave their overwintering sites and move into grass areas. This movement generally begins 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.

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 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.

⁴Black Turfgrass Ataenius Applications should be made during May and July to control the first and second generation of black turfgrass ataenius adults, respectively The May application should be timed to coincide with the full bloom stage of Vanhoutte spiraea (Spiraea vanhouttei) and horse chestnut (Aesculus hippocastanum) The July application should be timed to coincide with the blooming of Rose of Sharon (Hibiscus syriacus)

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 inches of water immediately after application to activate (release from 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 adults during the summer.

⁶Flea Larvae Flea larvae develop in the soil of shaded areas that are accessible to pets or other animals. Irrigate the treated area with up to 0.5 inches of water immediately after application to activate (release from the granule) the insecticide

⁷Imported Fire Ants Control will be optimized by combining broadcast applications that will control foraging workers and newly mated fly-in queens with mound drenches that will eliminate existing colonies. If the soil is not moist, then it is important to irrigate before application. Broadcast treatments should apply up to 0.4 lb AI/A. Mounds should be treated by diluting 1 teaspoon of <u>Wisdom Flowable (EPA Reg. No. 5481-519</u>) formulation per gallon of water and applying 1 to 2 gallons of finished spray per mound. The mounds should be treated with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels. A 4 foot diameter circle around the mound should also be treated. For best results, apply in cool weather (65-80°F) or in early morning or late evening hours.

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Note a spray rig that is calibrated to apply 0 1 lb AI/A (20 oz) of <u>Wisdom Flowable</u> in 2 5 gallons per 1,000 square feet contains the approximate dilution (1 teaspoon per gallon) that is required for fire ant mound drenches in the spray tank *Application of 0 25 lbs AI/A of Wisdom EZ Golf Course will provide six months residual activity for control of foraging Imported Fire Ants and newly mated Fly-in Queens *Not applicable in California

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

⁹Mole Cricket nymphs Grass areas that received intense adult mole 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 the soil surface where the insecticide is most concentrated. Control of larger, more damaging, nymphs later in the year may require both higher 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 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole cricket closer to the surface where contact with the insecticide will be maximized.

¹⁰Ticks Do not make spot applications Treat the entire area where exposure to ticks may occur Use higher application rates when treating areas with dense ground cover or heavy leaf litter. Ticks may be reintroduced from surrounding areas on host animals. Retreat as necessary to maintain adequate control. Do not allow public use of treated areas during application.

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.

American dog ticks may be a considerable nuisance in suburban settings, particularly where homes are built on land that was previously field or forest. These ticks commonly congregate along 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

Perimeter Application Apply to ground area 5 to 10 feet wide around and adjacent to the structure

Aplication Rate Pounds Per 1,000	Band Width	Pounds of Wisdom EZ Golf Course for Perimeter Applications Linear Distance (Feet) Around Structure							
sq ft		100	150	200	250	300	400	500	1,000
2 3	5 feet	1 3	19	2.5	3 0	3 6	48	5 9	117
2 3	10 feet	3 0	4 2	5 3	6.5	7 6	99	12 2	23 7
3 0	5 feet	1 7	2 5	3 3	3 9	47	63	77	15 2
3 0	10 feet	3 9	5 4	69	8.5	99	12 9	159	30 9
3 5	5 feet	2 0	29	3 8	4 5	5 4	7 2	8 9	17.5
3 5	10 feet	4 5	63	8.0	98	114	14 9	18 3	35 5
4 6	5 feet	2 6	3 8	5 0	60	7 2	96	118	23 4
4 6	10 feet	6 0	8 4	106	13 0	15 2	198	24 4	47 4

Note the amounts of Wisdom EZ Golf Course listed in the above table are based on the total area being treated. This area is determined by multiplying the linear distance by the band width and then adding to that value the area of a circle whose radius is equal to the band width (to account for the area treated at the four corners of a rectangular structure)

INDUSTRIAL NON-AGRICULTURAL APPLICATIONS

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(Including Industrial Sites, Parks, Ball Fields and Cemeteries)

Broadcast Spot Application For the control of actively foraging ants (including Imported Fire Ants) broadcast uniformly 2 3 to 4 6 lbs Wisdom EZ Golf Course per 1,000 sq. ft. (0 2 to 0 4 lbs AI/Acre) See comments section under Grass Applications for additional rate recommendations

Pad Mounted Electrical Sites To reduce or prevent ant mound building activity on electrical pads, uniformly distribute 1 0 to 1 5 Tablespoons (0 06 to 0 09 lbs) of Wisdom EZ Golf Course 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 Food utensils such as tablespoons must not be used for food purposes after use in measuring pesticides

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

Wisdom EZ Golf Course Recommended Spreader Settings for Broadcast Applications

	Applicat	ion Rate lbs /1	<u>Pattern</u>	Width	
Equipment	<u>1 15</u>	2 30	4 60	Setting	-
LESCO Broadcast	F	G	I	-	10
Prizelawn CBR-III	E 1/2	F ½	H 1/2	-	10
Scotts RBA	G ½	H ½	J ½	3	10
Scotts SR2000	H ½	I 1/2	L ½	8	12
Scotts Handy Green	2	3	4	-	10
Scotts Accupro	4 1/2	4 3/4	5	8	12
Spyker	3 1/2	3 3/4	4 1/4	-	10
V1con 402*	25	28 ½	38	-	40
Lely W*	3 3/4	4 1/4	5	III-B	52
Cycloneway	1 5	3	5 3/4	-	4
Earthway 2400	8 1/2	10 ½	12 ½	-	10

Note These recommended settings should be used as starting points when calibrating a spreader to achieve the desired application rate of Wisdom EZ Golf Course. After Calibration, the technician should regularly observe the amount of Wisdom EZ Golf Course that is applied to a known area and make further setting adjustments, as necessary, to maintain the appropriate application rate. Spreaders should be calibrated periodically to ensure that equipment wear or other factors have not altered the flow rate of Wisdom EZ Golf Course. Calibration instructions are included in the Owner's Manual that was provided by the equipment manufacturer at the time of purchase.

Note These spreader settings were established using standard equipment available from the spreader manufacturer at swath widths and speeds typically used within the industry. It is recommended that all spreader equipment be calibrated at the time of application to achieve the desired application time.

Resistance Some insects are known to develop resistance to products used repeatedly for control Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state pest management authorities for details

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and suspect that resistance is a reasonable cause, immediately consult your local company representative or pest management advisor for the best alternative method of control for your area.

STORAGE AND DISPOSAL

Prohibitions Do not contaminate water, food or feed by storage or disposal

Pesticide Storage Keep out of reach of children and animals Store in original containers only Store in a cool, dry place and avoid excess heat Carefully open containers After partial use, replace lids and close tightly

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons Confine spills Call Amvac 1-323-264-3910

To confine spill Cover to prevent dispersal Place damaged package in a holding container Identify contents

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 Paper and plastic 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

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions and (c) that the directions warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops and upon reports of field experience. Tests have not been made on all varieties of food crops and plants or in all states or under all conditions.

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AMVAC offers this product and Buyer accepts it subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC

WisdomTM is a trademark of AMVAC Chemical Corporation

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