

279-3343

10/29/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

OCT 29 2009

Ms. Nancy Hilton
FMC Corporation
1735 Market Street
Philadelphia, PA 19103

Dear Ms. Hilton:

Subject: Amendment- additional and modification of use directions
Cited MRID's 44021901, 44137401, 44137402, 44891902,
45298601, 46186401, 47001501, 45773901, 46431205, 47361711
F6132 G Insecticide
EPA Registration Number 279-3343
Your submission dated June 22, 2009

The application referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following comments:

1. Claims against fire ants, deer ticks, dog ticks, and fleas (larvae and adults) are supported. Control duration claims for fire ants must be reduced from 6 months to 4 months in the Directions for Use.
2. Tick claims, which include claims against species that may transmit diseases must be modified to include the wording "ticks that may transmit"
3. Data was not submitted or cited for the following public health pests: centipedes, stinging hymenoptera (including wasps and bees), pharaoh ants, and carpenter ants. Fire ant data supports claims for both fire ants and harvester ants, but not pharaoh and carpenter ants, therefore the ant claims must be qualified to exclude those two species. All claims and Directions for use against centipedes, wasp, and bees must be deleted from the label.
4. Claims against scorpions are not supported by the cited data and all claims and Directions for Use against scorpions must be deleted from the label.



5. A note on the resistance management statement: The Agency will soon be moving forward to require these statements for Agricultural Use Products. However, even though this is not an agricultural product, the statement is useful to the end-user and should be retained as written. Additionally, you should provide the IRAC grouping number (3 for pyrethroids) on the front panel of the label and again in the RM statement, per the guidelines of the Agency's PR Notice 2001-5.
6. Your claim "For use to control occasional invaders such as ants, (including Imported Fire Ants) and other listed pests" is acceptable but must be revised to "occasional invaders as listed, such as . . ." Also, the general ant claim must be qualified to not include Pharaoh Ants and Carpenter Ants.
7. Change "The application rates listed in the following table will provide excellent control of the respective pests under typical conditions" to "The application rates listed in the following table will provide control of the respective pests under typical conditions". It is a misleading comparative/superlative claim.
8. The claim Ants, Centipedes, Fleas (larvae and adults), Ground-nesting (solitary) wasps and bees, Imported Fire Ants must be modified. The ant claim must be qualified to not include Pharaoh Ants and Carpenter Ants. The Flea claim and Imported Fire Ant claims are acceptable. Ground-nesting (solitary) wasps and bees are not acceptable and must be deleted.
9. The Scorpion claim is not acceptable and must be deleted. The Ticks claim is acceptable.
10. Your statement "Imported Fire Ants: 6 months residual activity with 2.8lbs granules per 1000 sq. ft for control of foraging Imported Fire Ants and newly mated fly-In Queens" must be modified. The species claim is acceptable but the duration of control must be reduced from 6 months to 4 months, or the rate of product must be increased to be at least 0.5 lbs ai/acre, which would exclude residential applications.
11. The following claim- Ticks (Including ticks that transmit Lyme Disease and Rocky Mountain Spotted Fever) must be modified. The General Tick claim is acceptable but it must be reworded to say "Including ticks that may transmit Lyme Disease and Rocky Mountain Spotted Fever."
12. The Deer Ticks (Ixodes sp.) claim is acceptable.
13. The American Dog Ticks claim is acceptable.

14. The Mound Ant Treatment, including Fire Ants claim is acceptable.
15. The Fire Ant Claims for broadcast and spot treatment in industrial non-agricultural applications and electrical sites are acceptable.

A copy of a stamped label is enclosed for your records.

Sincerely yours,



Richard Gebken
Product Manager (13)
Insecticide Branch
Registration Division (7505P)

Enclosure

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F6132 G Insecticide

For use to control occasional invaders such as ants (except Carpenter, Fire, Pharaoh and Harvester ants) and other listed pests.

For use to control pests outdoors, including areas surrounding residential, institutional, public, commercial and industrial buildings.

For use on lawns and landscaped areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

EPA Reg. No. 279-3343

EPA Est. 279

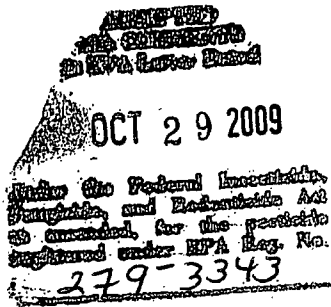
Active Ingredients:	By Wt.
Zeta-Cypermethrin*.....	0.05%
Bifenthrin**.....	0.20%
Other Ingredients:	99.75%
	100.0%

* *Cis/trans* isomer ratio: Max 75% (±) *cis* and Min. 25% (±) *trans*
** *Cis* isomers 97% minimum; *trans* isomers 3% maximum.
U.S. Patent No. 4,238,505 & other US patents pending

KEEP OUT OF REACH OF CHILDREN

CAUTION

See other panels for additional precautionary information.



FMC Corporation
1735 Market Street
Agricultural Products Group
Philadelphia PA 19103

Net Contents:

03-08-09 Final Print Label

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
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)-331-3148 for Emergency Assistance.	
NOTE TO PHYSICIAN	
This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.	
For Information Regarding the Use of this Product Call 1-(800)-321-1FMC (1362).	

PRECAUTIONARY STATEMENTS

Hazards to Human (and Domestic Animals)

CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear long-sleeved shirt and long pants, socks, shoes and gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Environmental Hazards

This pesticide is extremely toxic to fish, aquatic invertebrates, oysters and shrimp. Do not apply directly to water or 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 run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

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, preferably in a locked storage area and avoid excess heat. Carefully open containers. After partial use, close tightly.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: (800) 331-3148.

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

Product 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: Non-refillable. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration or by burning. Do not burn unless allowed by state or local authorities. If buried, stay out of smoke.

DIRECTIONS FOR USE

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

Not for use on plants being grown for sale of other commercial use, or for commercial seed production, or for research purposes.

For use on plants intended for aesthetic purposes or climate modification and being grown in interior plantscapes, ornamental gardens or parks, or lawns or grounds.

For use as barrier and spot treatment to control pests outdoors, including areas surrounding residential, institutional, public, commercial and industrial buildings.

Do not apply more than 0.25 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 0.50 lb. a.i. per acre per application on non-residential use sites (i.e., around institutional, public, commercial or industrial buildings; parks; recreational areas or athletic fields).

Do not broadcast apply more than 0.5 lb. ai. Per acre per year.

Not for use on golf courses, sod farms, nurseries, in commercial greenhouses or on grass grown for seed.

Lawn Application: Broadcast with suitable application equipment to ensure uniform coverage over the treatment area.

Perimeter Applications: Apply to ground area 5 to 10 feet wide around and adjacent to the structure.

Boundary Applications: Apply to soil areas, ornamental gardens, pavement crevices, fencelines, planter areas, vegetation areas and mulch areas.

Applic. Rate: Pounds Per 1,000 sq. ft.	Band Width	Pounds of F6132G Granular for Perimeter Applications Linear Distance (Feet) Around Structure								
		100	150	200	250	300	400	500	1,000	
2.3	5 feet	1.3	1.9	2.5	3.0	3.6	4.8	5.9	11.7	
2.3	10 feet	3.0	4.2	5.3	6.5	7.6	9.9	12.2	23.7	
3.0	5 feet	1.7	2.5	3.3	3.9	4.7	6.3	7.7	15.2	
3.0	10 feet	3.9	5.4	6.9	8.5	9.9	12.9	15.9	30.9	
3.5	5 feet	2.0	2.9	3.8	4.5	5.4	7.2	8.9	17.5	
3.5	10 feet	4.5	6.3	8.0	9.8	11.4	14.9	18.3	35.5	
4.6	5 feet	2.6	3.8	5.0	6.0	7.2	9.6	11.8	23.4	
4.6	10 feet	6.0	8.4	10.6	13.0	15.2	19.8	24.4	47.4	

Note: The amounts of F6132G Granular 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).

APPLICATION RATES

The application rates listed in the following table will provide excellent control of the respective pests under typical conditions.

Pest	Usage per Application		
	Lb F6132 G per 1000 ft ²	Lb F6132 G per Acre	Lb Total Active Ingredient per Acre
Annual Bluegrass Weevil (<i>Hyperodes</i>) (adults) Armyworms Billbugs (adults) Black Turfgrass Ataenius (adults) Cutworms Leafhoppers Mealybugs Sod Webworms	1.15 to 2.3 Lbs/1000 sq ft	50 to 100 Lbs per acre	0.125 to 0.25 Lbs AI/Acre
Ants (except Carpenter, Fire, Pharaoh and Harvester ants) Chinch Bugs Millipedes Mole Crickets (nymphs & adults)	2.3 to 4.6 Lbs/1000 sq ft	100 to 200 Lbs per Acre	0.25 to 0.50 Lbs AI/Acre
European Crane Flies (larvae) Pillbugs Sowbugs	4.6 Lbs/1000 sq ft	200 Lbs per Acre	0.50 Lbs AI/Acre

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 F6132 G if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

SPECIFIC PEST INSTRUCTIONS

For optimum control of particular pests, follow recommended procedures outlined below:

Armyworms, Cutworms, and Sod Webworms: To ensure optimum control, irrigate the treated area with water immediately after application to activate (release from the granule) the insecticide.

Annual 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.

Billbug adults: 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.

Black Turfgrass Ataenius adults: 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*).

Chinch 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 applications rates may be required to control populations that contain both nymphs and adults during the summer.

Crane Flies: Treatments should be made to control early to mid-season larvae (approximately August - February) as they feed on plant crowns. Treatments made to late-season larvae (approximately March - April) may only provide suppression. Consult your local extensions agent for specific recommendations for your area.

Mole 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).

Mole 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 crickets closer to the soil surface where contact with the insecticide will be maximized.

SPREADER EQUIPMENT SETTINGS

Broadcast application should be performed with a calibrated commercial broadcast spreader to evenly distribute the granules. Approximate settings for several models are provided in the table below.

Insert spreader setting table here (optional)

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

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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.

Conditions of Sale and Limitation of Warranty and Liability:

Notice: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of FMC or Seller. All such risks shall be assumed by Buyer and User, and, to the extent permitted by applicable law, Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and, to the extent permitted by applicable law, buyer assumes the risk of any such use.

To the extent permitted by applicable law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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