| U.S. ENVIRONMENTAL PROTECTION AGENCY | EPA Reg. Number: 279-9547 | Date of Issuance: FEB 8 201 | | |
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| Office of Pesticide Programs Registration Division (H7505C) 1200 Pennsylvania Avenue, N.W. Washington, D.C. 20460 | Term of Issuance: Conditional | | | |
| Washington, D.C. 20460 | Name of Pesticide Product: | | | |
| NOTICE OF PESTICIDE: | | | | |
| $\underline{\mathbf{X}}_{\mathbf{R}}$ Registration | F6132 GC Gran | ular Insecticide | | |
| (Under FIFRA as amended) | | | | |
| Name and Address of Registrant (include ZIP Code): | | | | |
| FMC Corporation | | | | |
| 1735 Market Street Philadelphia, PA 19103 | | | | |
| Nois: Changes in labeling differing in substance from that accepted in connection with this registrat | ion must be submitted to and | accepted by the | | |
| Registration Division prior to use of the label in commerce. In any correspondence on this product t | a second and the second at the | Consider and a contract to the | | |
| On the basis of information furnished by the registrant, the above named pesticide is hereby register and Rodenticide Act. | ed/reregistered under the Fee | deral Insecticide, Fungicid | | |
| | he Agency In order to a | at health and the | | |
| Registration is in no way to be construed as an endorsement or recommendation of this product by the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of the environment. | f a pesticide in accordance w | with the Act. The acceptan | | |
| of any name in connection with the registration of a product under this Act is not to be construed as or to its use if it has been covered by others. | giving the registrant a right | to exclusive use of the name | | |
| | | | | |
| This product is conditionally registered in accordance with that: | $\Gamma \Gamma \Gamma F KA Sec. S(C)(7)$ |)(A), provided | | |
| | | | | |
| | | | | |
| 1. You will submit and/or cite all data required for registration | | - | | |
| FIFRA sec. 3(c)(5) when the Agency requires all registrants | s of similar product | ts to submit such | | |
| FIFRA sec. 3(c)(5) when the Agency requires all registrants data; and submit acceptable responses required for reregistr | s of similar product | ts to submit such | | |
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- c) Move the Agricultural Use Requirements box following the second paragraph in the Directions for Use section, under Restricted Use Pesticide.
- d) On page 4 replace "For optimum control of particular pests, follow recommended procedures outlined below" with "For optimum control of listed pests, follow the procedures outlined below".
- e) Replace "To ensure optimum control, it is recommended to irrigate the treated area with water ...etc" with "To ensure optimum control irrigate the treated area with water ...etc" under Armyworms, Cutworms, and Sod Webworms section.
- f) Revise the Imported Fire ants section as follows:

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- a. Replace "...treatments that will eliminate existing colonies" with "... treatments that will control existing colonies".
- b. Replace "Broadcast treatments should apply no more than 0.50 pound... etc" with "Apply broadcast treatments no more than 0.50 pound ... etc".
- c. Replace "Mounds should be treated by applying ... etc" with "Mounds must be treated by applying ... etc".
- d. Replace "The mounds should be treated with sufficient force ... etc" with "The mounds must be treated with sufficient force ... etc".
- g) Revise the Mound Ant Treatment, including Fire Ants section as follows:
 - a. Replace "The mound should be drenched with sufficient ... etc" with "The mound must be drenched with sufficient ... etc".
 - b. Replace "Food utensils such as teaspoons and measuring cups should not be used for food purposes after use with insecticide" with "Food utensils including teaspoons and measuring cups must not be used for food purposes after use with insecticide".
- h) On page 5 insert spreader setting table in the Spreader equipment settings section. Spreader settings are not optional; they must be included on the label.
- 3. Within one year from the date of this notice submit the results of studies for the 830.6317 (one year storage stability) and 830.6320 (corrosion characteristics) studies. For the storage stability study make observations at 0, 3, 6, 9, and 12 months intervals.
- 4. Please submit three (3) copies of your final printed labeling before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact BeWanda Alexander at <u>www.alexander.bewanda@epa.gov</u> or (703) 305-7460.

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For retail sale to and use only by certified applicators, or persons under their direct sub-vision and only for those uses covered by the certified applicator's certification.

F6132 GC Granular Insecticide

For use to control pests, as listed, on golf courses, sodfarms, and lawns, and in landscaped areas and perimeters around residential, institutional, public, commercial and industrial buildings, parks, recreational areas, golf courses, and athletic fields.

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

9547 EPA Reg. No. 279-XXXX

EPA Est. 279-XXX

| Active Ingredients: | | By Wt. |
|---------------------|---|--------|
| Zeta-Cypermethrin* | | 0.05% |
| Bifenthrin** | | |
| Other Ingredients: | | 99.75% |
| - | | 100.0% |
| | 1 | |

* 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.

ACCEPTED with COMMENTS In EPA Letter Dated FEB 8 2011 Under the Federal Insecticide, Fungicide, and Rodenticide Act. as amended, for the pesticide registered under EPA Reg. No.



Net Contents:

| | FIRST AID |
|-----------------|--|
| lf swallowed | 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 | 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 |
| control cente | duct container or label with you when calling a poison or or doctor, or going for treatment. You may also 00)-331-3148 for Emergency Assistance. |
| NOTE TO | PHYSICIAN |
| the stomach | is a pyrethroid. If large amounts have been ingested, and intestine should be evacuated. Treatment is |

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INSECTICIDES

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).

GROUP

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. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lends an a drivenue, sidewilk or streat head onto the 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. 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.

STORAGE AND DISPOSAL

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 CHEMTREC (transportation and spills): (800) 424-9300.

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 Handling

Non-refillable container. 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, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE Restricted Use Pesticide

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 requirement specific to your State and Tribe, consult the State/Tribal agency responsible for pesticide regulation.

Apply this product directly to the lawn or garden area. Water treated area as directed on this label. Do not water to the point of run-off.

Do not make applications during rain.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

Also for use as a perimeter or spot treatment to control pests outdoors, including areas surrounding residential, institutional, public, commercial and industrial buildings.

Do not apply more than 0.25 pound active ingredient per acre (2.3 pounds granules per 1000 square feet) 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 pound active ingredient per acre (4.6 pounds granules per 1000 square feet) 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 pound active ingredient per acre (4.6 pounds granules per 1000 square feet) per year.

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 interval. 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 into treated areas during 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

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- Waterproof gloves
- Shoes and 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 Standards 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 areas until the grass or soil is dry.

Do not touch treated surface until dry.

GRASS AND PERIMETER APPLICATIONS

(Including Golf Courses and Sod Farms)

LAWN APPLICATION: Broadcast F6132 GC Granular Insecticide with suitable application equipment to ensure uniform coverage over the treatment area.

PERIMETER APPLICATION: Apply to ground area 5 to 10 feet wide around and adjacent to the structure. See table below.

BOUNDARY APPLICATIONS: Apply to soil areas, ornamental gardens, pavement crevices, fence lines, planter areas, vegetation areas and mulch areas.

| Applic. Rate: Pounds Per | | | | | for Perimeter Applications Around Structure | | | | |
|-----------------------------|---------------|-----|-----|------|--|------|------|------|-------|
| 1,000 sq. ft. | Band Width | 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 | | 17.5 |
| 3.5 | 10 feet | 4.5 | 6.3 | 8.0 | 9.8 | 11.4 | 14.9 | | 35.5 |
| 4.6 | 5 feet | 2.6 | 3.8 | 5.0 | 6.0 | 7.2 | 9.6 | 11.8 | |
| 4.6 | 10 feet | 6.0 | 8.4 | 10.6 | 13.0 | 15.2 | 19.8 | 24.4 | |

Note: The amounts of F6132 GC 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

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

| | Application Rate | | | |
|--|---|---------------------------------|---|--|
| Pest | Pounds | Pounds | | |
| | Active Ingredient Per Acre | F6132 G | iC Granular | |
| Annual Bluegrass Weevil (<i>Hyperodes</i>) (Adult) | 0.125 - 0.25 pounds active per acre | 50 - 100 pounds per acre | 1.15 - 2.3 pounds per 1000 square feet | |
| Armyworms | | | | |
| Billbugs (Adult) | | | | |
| Black Turfgrass Ataenius (Adult) | | | | |
| Cutworms | | | | |
| Leafhoppers | | | | |
| Mealybugs | | | • | |
| Sod Webworm | | | | |
| Ants (except Carpenter and Pharoah ants) | 0.25 - 0.5 pounds active per acre | 100 - 200 pounds per acre | 2.3 – 4.6 pounds per 1000 square feet | |
| Imported Fire Ants (Adults) | | | | |
| Imported Fire Ants (Mounds) | | | | |
| Chinch Bugs | | | | |
| Crane Flies (larvae) | | | | |
| Fleas (Adults and Larvae) | | | | |
| Millipedes | | | | |
| Mole Cricket (Adults and Nymphs) | | | | |
| Pillbugs | | | | |
| Scorpions | | | | |
| Sowbugs | | | | |
| Ticks | | | | |

Resistance Management Recommendations. F6132 GC Granular Insecticide contains Group 3 Insecticides. Insects with acquired resistance to Group 3 Insecticides may eventually dominate the insect population if Group 3 Insecticides are used repeatedly in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by F6132 GC Granular Insecticide or other Group 3 Insecticides. 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).

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In New York State, do make a single repeat application of F6132 GC Granular Insecticide 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, it is recommended to 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. You may 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. You may 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. It is recommended to irrigate the treated area with 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 midseason larvae (approximately August – February) as they feed on plant crowns. Treatments made to late-season larvae (approximately March - April) may only provide suppression. You may consult your local extension agent for specific recommendations for your area.

Flea (adults and larvae): Control is provided for up to seven days. 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.

Imported Fire ants: Control will be optimized by combining broadcast applications that will control foraging workers and newly mated fly-in queens with mound treatments that will eliminate existing colonies. If the soil is not moist, then it is important to irrigate before or soon after application. Broadcast treatments should apply no more than 0.50 pounds active ingredient per acre (4.6 pounds granules per 1000 square feet). Mounds should be treated by applying 1/2 cup of F6132 GC Granular per mound and then drenching the mound with 1 to 2 gallons of water. The mounds should be treated with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels. Treat three feet out around the mound. For best results, apply in cool weather (65 - 80° F) or in early morning or late evening hours This treatment will control the mound within four hours and kill the queen within 24 hours of application. Application of at least 125 pounds granules per acre (2.8 pounds granules per 1000 square feet) of F6132 GC Granular Insecticide will provide four months residual activity for control of foraging Imported Fire Ants and newly mated flyin Queens. Food utensils such as teaspoons and measuring cups should not be used for food purposes after use with insecticide.

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 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 belov?).

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 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.

Scorpions: To ensure optimum control, treat the building perimeter at dusk to prevent outdoor scorpions from entering the building. Scorpions reside hidden in cracks and voids during the day and are active at night at temperatures above 77°F/25°C. Resting areas can be identified at night using a blacklight (UV bulb) as scorpions will fluoresce. These areas should also be treated. Prior to treatment, to increase treatment efficacy, remove trash, debris, or firewood that scorpions may use as resting sites.

Ticks (Including ticks that may transmit Lyme Disease and Rocky Mountain Spotted fever): 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 fail to control American dog tick larvae, nymphs and adults.

SPOT TREATMENT APPLICATIONS

Mound Ant Treatment, including Fire Ants: Apply 1/2 cup of F6132 GC Granular Insecticide per mound and then drench the mound with 1 to 2 gallons of water. The mound should be drenched with sufficient force to break its apex and allow the insecticide to flow into the ant tunnels. Treat three feet out around the mound. For best results, apply in cool weather (65 to 80°F) or in early morning or late evening hours. Treat new mounds as they appear. F6132 GC Granular will provide control of ant mounds within four hours. Food utensils such as teaspoons and measuring cups should not be used for food purposes after use with insecticide

INDUSTRIAL NON-AGRICULTURAL APPLICATIONS

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

Broadcast and Spot Applications: For the control of actively foraging ants (including Imported Fire Ants) broadcast uniformly 2.3 to 4.6 pounds F6132 GC Granular insecticide per 1000 square feet (0.25 to 0.5 pounds active ingredient per 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 pounds) of F6132 GC per 4 square feet 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.

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 MANAGEMENT: 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.

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 or 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.

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