

279-3342

02/20/2009

1/8



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

EPA Reg. Number: 279-3342

Date of Issuance: FEB 20 2009

Term of Issuance: Conditional

Name of Pesticide Product: F6131 G Insecticide

NOTICE OF PESTICIDE:

- X Registration
Reregistration

(Under FIFRA as amended)

Name and Address of Registrant (include ZIP Code):

FMC Corporation
1735 Market Street
Philadelphia, PA 19103

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A), provided that you:

- 1. You will submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

Signature of Approving Official:

Refer to page 3

Date:

FEB 20 2009

page 2

EPA Reg. No. 279-3342

2. You must generate studies corresponding to guidelines 830.6317 (one year storage stability) and 830.6320 (corrosion characteristics). It is advised that you make observations at 0,3,6,9,12 months intervals and the results must be submitted to the Agency along with and electronic format.
3. You submit a copy of the enforcement analytical method to the EPA Analytical Laboratory at: EPA Analytical Laboratory, 701 Mapes Road, Ft. Mead, MD 20755-5350.
4. You agree that the subject registration is conditional under the same terms and conditions for data generation as stipulated in the Agency's November 15, 1993 and November 15, 2004 letters for use of these products on cotton.
5. You agree that the current synthetic pyrethroid mitigation measures are interim in nature and may be reconsidered or modified after review and evaluation of the Spray drift Task Force data.
6. FMC understands that it is the US EPA intent to complete the reviews of all relevant data and other information that are available to the agency, and to make FIFRA 3(c)(5) or other appropriate regulatory decisions for cotton- use synthetic pyrethroids and other crops conditionally registered based on the Agency's review of such data/information and considering statutory and regulatory criteria for such decisions.
6. You will make the following label changes before you release the product for shipment:
 - a. Revise the EPA Registration Number to read "EPA Registration Number 279-3342."
 - b. Under the Hazards to Humans and Domestic Animals section add "Wear long- sleeved shirt and long pants, socks, shoes and gloves.". Also add "Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals."
 - c. You may delete the "If Swallowed" precautions since this study is classified as category IV.

ACUTE TOXICITY REVIEW

| STUDY | MRID | CATEGORY | CLASSIFICATION |
|----------------------|----------|-----------------|----------------|
| Acute Oral | 47361702 | IV ¹ | Bridged |
| Acute Dermal | 47361703 | IV | Bridged |
| Acute Inhalation | 47361704 | IV | Bridged |
| Eye Irritation | 47361705 | III | Bridged |
| Dermal Irritation | 47361706 | IV | Bridged |
| Dermal Sensitization | 47635901 | Positive | Acceptable |

¹ Extrapolated to Category IV based on dilution, as per PR Notice 2001-2

7. Per the Efficacy review, remove all references, and references (pest specific use sites and directions for use) from the label:

- a. Fire ants; including mound, broadcast, and pad mounted electrical site treatments.
- b. Centipedes
- c. Fleas
- d. Ticks
- e. Scorpions

Ants may remain on the label, but must be listed as "Ants(except Carpenter, Fire, Pharaoh, and Harvester ants)"

8. Submit two (2) 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. If you have any questions regarding this action, please contact Linda A. DeLuise of my team at (703) 305-5428. A stamped copy of the label is enclosed for your records.

Sincerely,



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

Enclosures

- Toxicology review
- Efficacy review

4/8

F6131 G Insecticide

For use to control occasional invaders such as ants (including Imported Fire 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-GGUE

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.

ACCEPTED
with COMMENTS
In EPA Letter Dated

FEB 20 2009
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No.

279-5342



FMC Corporation
1735 Market Street
Agricultural Products Group
Philadelphia PA 19103

Net Contents:

December 29, 2008

| 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. 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.

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.

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 burned, 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).

| Applic. Rate: Pounds Per 1,000 sq. ft. | Band Width | Pounds of F6131G 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 F6131G 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 F6131 G per 1000 ft ² | Lb F6131 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 Centipedes Chinch Bugs Fleas (larvae & adults) Imported Fire Ants (adults) Millipedes Mole Crickets (nymphs & adults) Scorpions Ticks | 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 F6131 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.

Flea 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.

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 application. Broadcast treatments should apply no more than 0.50 lbs. a.i./A. Mounds should be treated either by diluting 1 teaspoon of F6131 G formulation per gallon of water and applying 1 to 2 gallons of finished spray per mound or by applying ½ cup of F6131G 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. A four 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. This treatment will kill the queen within 24 hours of application. Note: a spray rig that is calibrated to apply 0.125 lb ai/A of F6131 G 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 125 lbs./acre of F6131G

granular insecticide will provide six months residual activity for control of foraging Imported Fire Ants and newly mated Fly-In Queens.

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.

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 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. 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.

SPOT TREATMENT APPLICATIONS

Mound Ant Treatment, including Fire Ants: Apply 1/2 cup of F6131 G 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. Food utensils such as teaspoons and measuring cups should not be used for food purposes after use with insecticide

Broadcast Spot Treatment, including Fire Ants: For the control of actively foraging ants (including Imported Fire Ants) broadcast uniformly 2.3 lbs to 4.6 lbs F6131 G insecticide per 1000 sq. ft.

Pad Mounted Electrical Sites: To reduce or prevent ant mound building activity on electrical pads, uniformly distribute 1.0 to 1.5 Tablespoons of F6131 G insecticide 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. For best results treat in the Fall or early Spring. 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: 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.

8/8

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 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.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

FMC – Trademark of FMC Corporation

© 2008 FMC Corporation All rights reserved.