

279-3358

8/16/2010

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Registration Number:
279-3358

Date of Issuance:
AUG 16 2010

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance: **conditional**

Name of Pesticide Product:
F7954 Ornamental Insecticide/Miticide

Name and Address of Registrant (include ZIP Code):
Andy Eirnanis
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 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) and (B) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 279-3358."
 - b. As stated in 40CFR156.140(a)(4), a batch code must be included on the label or package for non-refillable containers.
3. Per the indicated EPA Guidelines, submit the following within the months indicated as measured from the effective date of this registration.
 - a. One year storage stability (830.6317) (measurements at 0, 3, 6, 9, and 12 months). Submit in both electronic and hard copy format. Due within 18 months.
 - b. Corrosion characteristics (830.6320) (measurements at 0, 3, 6, 9, and 12 months). Submit in both electronic and hard copy format. Due within 18 months.

(continued next page)

Signature of Approving Official:

John Hebert
Product Manager (07)
Insecticide-Rodenticide Branch
Registration Division (7505P)

Date:
AUG 16 2010

4. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

The basic and alternate Confidential Statements of Formula (CSF) dated 7/26/2010 are acceptable. All other versions are obsolete.

A stamped copy of the label stamped "accepted with comments" is enclosed for your records.

If you have any questions regarding this notice, please contact Tom Harris at (703) 308-9423 or harris.thomas@epa.gov.

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 the uses covered by the certified applicator's certification

F7954 Ornamental Insecticide/Miticide

For Non-Food Use on Containerized and Outdoor Ornamentals

EPA Reg. No. 279-GGLI

EPA Est. 279-

Active Ingredient:	By Wt.	
Bifenthrin *	8.84%	
Avermectin B1**		1.33%
Inert Ingredients	<u>89.83%</u>	
		100.0%

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

**CAS No.65195-56-4 and No;65195; 65195-55-3

This product contains 0.76 lbs. active ingredient bifenthrin and 0.11 lbs active ingredient avermectin per gallon

Contains petroleum distillate

KEEP OUT OF REACH OF CHILDREN

CAUTION

See other panels for additional precautionary information.

ACCEPTED
With COMMENTS
In EPA Letter Dated:
AUG 1 8 2010

Under the Federal Insecticide, Fungicide and Rodenticide Act, As amended, for the pesticide Registered under EPA Reg. No:

279-3358



FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia PA 19103

FIRST AID

If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Do not give any liquid to the person • Do not induce vomiting unless told to do so by a 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 medical treatment information

NOTE TO PHYSICIAN

This product contains a pyrethroid, avermectins, and petroleum distillate. Treatment is symptomatic. Have a person sip a glass of water if able to swallow. If toxicity from exposure has progressed to severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Since avermectins are believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, and valproic acid).

For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).

PRECAUTIONARY STATEMENTS Hazards to Humans (and Domestic Animals)

CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, in eyes or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

Personnel Protective Equipment:

Applicators and other handlers (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical resistant gloves made out of any waterproof material

Mixers and Loaders must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical resistant gloves made out of any waterproof material

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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 Requirements

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.
Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

User Safety Recommendations

Users Should:

- Wash hands before eating, drinking, and chewing gum, using tobacco or using the toilet.
- Wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. 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. 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.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops if bees are visiting the treatment area.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Do not apply this product through any kind of irrigation system.

Agriculture 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 into 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 over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton.
- 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 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.

Do not allow people or pets on treated surfaces until the spray has dried.

F7954 Ornamental Insecticide/Miticide formulation mixes readily with water and other aqueous carriers, and controls listed insects and mites on trees, shrubs, foliage plants, non-bearing fruit and nut trees, and flowers outdoors. Non-bearing fruit and nut trees are those that will not produce a harvestable raw agricultural commodity within one year of application.

F7954 Ornamental may be tank-mixed with other products, including insect growth regulators. When tank mixing F7954 Ornamental with other products, observe all precautions and limitations on each separate product label. The addition of spreader stickers is not necessary. The physical compatibility of F7954 Ornamental may vary with different sources of pesticide products, and local cultural practices. Any tank mixture which has not been previously tested should be prepared on a small scale (pint or quart jar), using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture.

The following procedure is recommended for preparation of a new tank mix, unless specified otherwise in label directions: (1) Add wettable powders to tank water, (2) Agitate, (3) Add liquids and flowables, (4) Agitate, (5) Add emulsifiable concentrates, and (6) Agitate. If a mixture is found to be incompatible following this order of addition, try reversing the order of addition, or increase the volume of water. Note: If the tank-mixture is found to be compatible after increasing the amount of water, then the sprayer will need to be recalibrated for a higher volume application. Do not allow tank mix to stand overnight.

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. Resistance management strategies include rotation of products with different modes of action and avoid treatment of successive generation with the same product. Treatment may not be effective if tolerant strains develop. 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.

Use Directions for Tip-N-Measure Container

1. Remove the measuring chamber cap and induction seal. Replace the cap and securely tighten. Tip container until liquid fills measuring chamber.
2. Return container to level position. No adjustment is needed.
3. Remove measuring chamber cap and dispense into proper application equipment.

For multiple dose measuring: Remove fill chamber cap and dispense according to markings on side of bottle.

APPLICATION DIRECTIONS

Outdoor Ornamentals

Apply 10 – 21 fl ounces (0.06lbs ai /acre – 0.125 lbs ai per acre bifenthrin plus 0.009-- 0.018 lb ai per acre avermectin) F7954 Ornamental Insecticide/Miticide. F7954 Ornamental Insecticide/Miticide may be diluted and applied in various volumes of water providing that the maximum label rate of 21 fl. ozs.) is not exceeded per application. F7954 Ornamental Insecticide/Miticide may be applied through low volume application equipment by dilution with water or other carriers and providing that the maximum label rate 21 fl. ozs. per acre is not exceeded.

ORNAMENTAL APPLICATION RATES

The application rates listed in the following table will provide control of the respective pests under typical conditions. However, at the discretion of the applicator, F7954 Ornamental Insecticide/Miticide may be applied at up to 21 fl ozs to control each of the pests listed in this Table.

Pest	Application Rate F7954 Ornamental Insecticide/Miticide	
	Pound ai per Acre	Fluid Ounces per Acre
Bagworms ¹	0.06 lb	10.5fl ozs
Beet Armyworm	bifenthrin	
Black Vine Weevil (Adults)	+0.009 lb	
Brown Soft Scales	avermectin	
Broad Mites	ai per acre	
Bud mites		
Budworms		
California Red Scale (Crawlers) ²		
Carmine Mites		
Centipedes		
Citrus Thrips		
Clover Mites		
Crickets		
Cutworms		
Cyclamen Mites		
Diaprepes (Adults)		
Earwigs		
Elm Leaf Beetles		
Eriophyid Mites		
European Red Mite		
Fall Webworms		
Flea Beetles		
Fungus Gnats (Adults)		
Grasshoppers		
Gypsy Moth Caterpillars		
Lace Bugs		
Leaf Feeding Caterpillars		
Leafhoppers		
Leafrollers		
Mealybugs		
Millipedes		
Mites		
Orchid Weevil		
Pillbugs		
Pine Needle Scales (Crawlers) ²		
Plant Bugs (Including Lygus spp.)		
San Jose Scales (Crawlers) ²		
Sowbugs		
Spider Mites		
Spiders		
Spider Mites		
Spruce Spider Mite		
Southern Red Mite		
Tent Caterpillars		
Thrips		
Tip Moths		
Twig Borers ²		
TwoSpotted Mite		
Weevils		
Whiteflies		
Ants	0.125 lb	21 fl ozs
Aphids	ai/per acre	
Boxwood leafminer	bifenthrin +	
Citrus Thrips	0.018 lb	
Imported Fire Ants ^{**}	ai/per acre	
Japanese Beetle (Adult)	avermectin	
Liriomyza Leafminers	ai per acre	
Pine Shoot Beetle (Adults)		
Whiteflies		

¹Bagworms: Apply when larvae begin to hatch and spray larvae directly. Applications when larvae are young will be most effective.

²Scale Crawlers and Twig Borers: Treat trunks, stems and twigs in addition to plant foliage.

^{**}For foraging ants.

Restrictions for Outdoor Ornamentals

Certain cultivars may be sensitive to the final spray solution. A small number of plants should be treated and observed for one week prior to application to the entire planting.

Apply by ground equipment only

Do not apply when wind direction favors downwind drift towards nearby water bodies.

Do not apply when wind velocity exceeds 15 mph.

Do not apply when a temperature inversion exists.

Apply using the largest nozzle size compatible with adequate coverage.

Maximum amount per application: 21 fl oz/acre (0.125 lb ai/acre bifenthrin + 0.18 lb ai/acre avermectin)

Maximum amount per year: 33.7fl oz/acre (0.2 lb ai/acre bifenthrin + 0.029 lb ai/acre avermectin) .

Do not apply through irrigation equipment

Do not use in citrus nurseries

Do not apply if rain is expected within 12 hours .Do not apply by ground equipment within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds. When treating tall trees (>15 feet) from the ground with high pressure sprays or during any application with air assisted equipment (mist blower) do not apply within 150 feet of aquatic areas.

Containerized Ornamental Plants

For use in containerized plants grown in commercial greenhouses, commercial shade houses, commercial lathouses, and outdoor commercial nurseries.

Larva Control in Potting Media of Containerized Plants.

Black Vine Weevil Larval Control - Preventative Treatment - Topical Drench: For preventative control of black vine weevil larvae in containerized plants, dilute F7954 Ornamental Insecticide/Miticide at the rate of 10.5 to 21 fl. ozs. per 100 gallons and apply as a drench at the rate of 4 to 8 fluid ounces of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container. Diluting 21 fluid ounces of F7954 Ornamental Insecticide/Miticide per 100 gallons and applying 8 fluid ounces of finished spray per 6 inch (diameter) container will provide black vine weevil larval control for one growing season when the application is made in the spring.

Black Vine Weevil Larval Control - Curative Treatment - Topical Drench: To control black vine weevil larvae infesting containerized plants, dilute F7954 Ornamental at the rate of 10.5 to 21 fl. ozs. per 100 gallons and apply as a drench at the rate of 8 to 16 fluid ounces of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container.

Bare-root Treatment for Preventative Root Weevil Larval Control: To protect treated roots of field grown nursery stock from feeding by root weevil larvae, dilute one gallon of F7954 Ornamental in 100 gallons of water and treat the bare roots of plants that are being transplanted into the field either by dipping the roots into the insecticide solution for ten seconds or by spraying the insecticide solution onto the roots.

Diaprepes Weevil Larval Control - Curative Treatment - Topical Drench: To control Diaprepes weevil larvae infesting containerized plants, dilute F7954 Ornamental at the rate of 10.5 to 21 fl. ozs per 100 gallons and apply as a drench at the rate of 8 to 16 fluid ounces of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container.

Fungus Gnat Larval Control - Preventative Treatment - Topical Drench: For preventative control of fungus gnat larvae in containerized plants, dilute F7954 Ornamental at the rate of 21 fl. ozs per 100 gallons and apply as a drench at the rate of 4 to 8 fl. ozs of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container. Use the higher application rate for a longer period of control. **Fungus Gnat Larval Control - Curative Treatment - Topical Drench:** To control fungus gnat larvae infesting containerized plants, dilute F7954 Ornamental at the rate of 10.5 to 21 fl. ozs. per 100 gallons and apply as a drench at the rate of 8 to 16 fluid ounces of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container.

Restrictions

Do not apply through irrigation equipment

Do not use in citrus nurseries

<p>STORAGE AND DISPOSAL</p> <p>Do not contaminate water, food, or feed by storage or disposal.</p> <p>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. Do not put concentrate or dilute material into food or drink containers. In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: 1-(800)-331-3148.</p> <p>To Confine Spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.</p> <p>Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.</p> <p>Container Disposal : Plastic Container: Non-refillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the contents into application equipment or a mix tank and drain for 10 seconds after flow begins to drip. Fill container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or</p>
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disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill.

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 should 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 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 CONSISTENT WITH 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 buyer assumes the risk of any such use.

To the extent consistent with 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 CONSISTENT WITH 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.

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FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103

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