

279-3245

10/18/2005

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

279-3245

Date of Issuance:

OCT 18 2005

Term of Issuance: **Conditional**

Name of Pesticide Product:

**Bifenthrin ST**

**NOTICE OF PESTICIDE:**

**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. 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 you product under FIFRA section 4.
2. **Make the following labeling changes:**
  - a) Revise the EPA Registration Number to read "EPA Reg. No. 279-3245"
3. Please submit two (2) copies of your final printed label for before your release the product for shipment. Please refer to the A-79 enclosure for a further description of final printed labeling. 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 of my team at (703) 305-7460.

Signature of Approving Official:

George T. LaRocca, Product Manager (13), IB/RD (7505C)

Date:

October 18, 2005

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# Bifenthrin ST

## Insecticide/Miticide

EPA Reg. No. 279-XXXX

EPA Est. 279-

### HOTLINE NUMBER

<b>Active Ingredient:</b>	<b>By Wt.</b>
Bifenthrin: (2 methyl[1,1'-biphenyl]-3-yl) methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-cyclopropanecarboxylate*	19.5%
<b>Inert Ingredients:</b>	80.5%
	100.0%

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

U.S. Patent No. 4,238,505

**KEEP OUT OF REACH OF CHILDREN**

## WARNING AVISO

This label must be in the possession of the user at the time of application.

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See other panels for additional precautionary information.

### FIRST AID

**If Swallowed:** Call a 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.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**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. Do not give anything by mouth to an unconscious person.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

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 is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

For Emergency Assistance Call (800) 331-3148.

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans (and Domestic Animals)

##### Warning

May be fatal if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.

##### Personal Protective Equipment:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Handlers who may be exposed to the dilute through application or other tasks or may be exposed to the concentrate through mixing, loading, application or other tasks must wear: long-sleeved shirt and long pants, chemical-resistant gloves, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, shoes plus socks.

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 Recommendations

##### Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

#### Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. Prior to use in a particular county contact the local extension service for procedures and precautions to use to protect endangered species.

Exposed treated seed may be hazardous to birds and other wildlife. Dispose of all excess treated seed and seed packaging by burial away from bodies of water.



FMC Corporation  
Agricultural Products Group  
Philadelphia PA 19103

### Net Contents:

Bifenthrin ST 10-19-05

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

OCT 18 2005

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

279-3245

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**Physical/Chemical Hazards**

Do not use or store near heat or open flame.

**STORAGE AND DISPOSAL**

**Pesticide Storage**

Do not freeze. Do not store below 40° F.

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. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: 1-(800)-331-3148.

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.

**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.

**Container Disposal**

Metal or Plastic Container: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Do not cut or weld metal containers.

U-Turn® Container: Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase.

**DIRECTIONS FOR USE**

Bifenthrin ST insecticide is a 20% flowable concentrate formulation of the insecticide bifenthrin. Bifenthrin ST insecticide will protect germinating seed from soil insects; e.g., wireworms, seed corn maggots, fire ants, and false wireworms. This product exhibits only protectant activity and offers no systemic control of insects. Activity is by the contact and ingestion routes generally associated with pyrethroids. Protection from storage insects; e.g., weevils, moths, and beetles has also been demonstrated with this product.

Bifenthrin ST Insecticide should be applied with water as a suspension using standard mechanical, slurry, or mist-type seed treatment equipment. Uniform application is necessary to insure seed safety and best insect control.

Use 1 pint (16 ounces) of diluted Bifenthrin ST for 100 LBS of seed. The dilute Bifenthrin ST has to be equally distributed onto the seed surface. After the seed is treated, no drying process is needed. Mix 1.5 - 4.6 ounces of Bifenthrin ST insecticide with water (11.4 - 14.5 ounces) to a total of 16 ounces of diluted product.

Open the container and immediately dump required contents into mix tank. Start mechanical agitation and mix thoroughly. Maintain agitation before and during application. Mix as needed; do not store diluted material.

Note: The purchaser of this product is responsible for ensuring that all seed treated with this product is adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals. Refer to 21 CFR, part 2.25. Any dye added to the treated seed must be cleared for use under 40 CFR, part 180.1001.

Labels attached to the treated seed must read: Treated seed should not be used for or mixed with food or animal feed or processed for oil. Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of all excess seed by burial away from bodies of water.

**GENERAL INSTRUCTIONS**

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

This product is to be used in treaters designed for application of liquid or slurry type products. Mix thoroughly before use. All tank mixes should be pretested to determine physical compatibility between product formulations.

Treated seed must not be used for or mixed with food or animal feed, or processed for oil. Seed commercially treated with Bifenthrin ST Insecticide must be labeled in accordance with all applicable requirements of the Federal Seed Act.

SEED TYPES	Formulated Dosage Rate Oz./100 Lbs. of Seed
Corn (field, pop, sweet).....	1.5 to 4.6
Cotton.....	1.5 to 4.6
Cucurbits, including .....	1.5 to 4.6
Chayote (fruit)	
Chinese waxgourd (Chinese preserving melon)	
Citron melon	
Cucumber	
Gherkin	
Gourd, edible	
(includes hyotan, cucuzza) (Luffa spp.) (includes	
hechima, Chinese okra) (Momordica spp.)	
(includes balsam apple, balsam pear, bitter melon,	
Chinese cucumber)	
Muskmelon	
(hybrids and/or cultivars of Cucumis melo)	
(includes true cantaloupe, cantaloupe, casaba,	
crenshaw melon, golden pershaw melon, honey-	
dew melon, honey balls, mango melon, Persian	
melon, pineapple melon, Santa Claus melon, and	
snake melon)	
Pumpkin (Cucurbita spp.)	
Squash, summer	
(includes crookneck squash, scallop squash,	
straightneck squash, vegetable marrow, zucchini)	
Squash, winter	
(includes butternut squash, calabaza, hubbard	
squash (C. mixta; C. pepo) includes acorn squash,	
spaghetti squash)	
Watermelon	
(includes hybrids and/or varieties of Citrullus spp.)	
Succulent Peas and Beans, including .....	1.5 to 4.6
Pea (Pisum spp.):	
Dwarf pea,	
Edible-pod pea,	
English pea	
Garden pea,	
Green pea,	
Snow pea,	
Sugar snap pea	
Pigeon pea	
Bean (Phaseolus spp.):	
Broadbean (succulent)	
Lima bean (green)	
Runner bean	
Snap bean	
Wax bean	
Bean (Vigna spp.):	
Asparagus bean	
Blackeyed pea	
Chinese longbean	
Cowpea	
Moth bean	
Southern pea	
Yardlong bean	
Jackbean	
Soybean	
(immature seed)	
Sword bean	
Peppers, Bell and Non-Bell.....	1.5 to 4.6
Eggplant .....	1.5 to 4.6
Brassicas, including.....	1.5 to 4.6
Head and Stem Brassica Vegetables including:	
Broccoli	
Chinese Broccoli (gai ton, white flowering broccoli)	
Brussels Sprouts	
Cauliflower	
Cavalo broccoli	
Kohlrabi	
Cabbage	
Chinese Cabbage (napa)	
Chinese Mustard Cabbage (gai choy)	
Canola, Crambe, Rapeseed.....	1.5 to 4.6
Lettuce, Head.....	1.5 to 4.6

\*Relates to 0.025 to 0.075 pounds active ingredient per 100 pounds of seed.

**Rotational Crops**

Leafy vegetables and root crops may be rotated 30 days following planting of treated seed. Crops for which bifenthrin tolerances exist may be rotated at any time. All other crops may be rotated seven months following planting of treated seed. Straw may not be used for food or feed.

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**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. 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 allowed by law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. 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.