

279-3367

10/6/2009

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460

Reg. Number:  
279-3367

Date of Issuance:  
OCT 6 2009

Term of Issuance:  
Conditional

Name of Pesticide Product:  
F6288 SC Insecticide

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:

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.
2. You will make the following label changes before you release the product for shipment:
  - a) Revise the EPA Registration Number to read "EPA Reg. No. 279-3367."
  - b) Box the User Safety Recommendations as indicated in PR Notice 93-7.
  - c) Box the Non-Agricultural Use Requirements as indicated in PR Notice 93-7, Supplement 3.
  - d) On page 6, in the *Pest Control on Outside Surfaces and Around Buildings* section, the label directs the user to "Use a spray volume of up to 10 gallons of suspension per 1,000 sq. feet". The following must be added to the section:
    - How the suspension was prepared.
    - Add the concentration amount of bifenthrin and imidacloprid in the suspension.
    - Clarify how the spray volume is to be used.

Signature of Approving Official:

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

Date:

*October 6, 2009*

Enclosure

- e) Replace "eliminate existing colonies" with "control existing colonies" in the Imported Fire Ants statements. Also, replace "Mounds should be treated by diluting ... etc" with "Treat mounds by diluting ... etc."
- f) Add a mixing directions table describes how much product should be mixed with water to treat 1000 square feet including what the percentage concentration of bifenthrin and imidacloprid are, respectively, in the end-use dilutions.
- g) Add a mixing directions table describes how much product should be mixed with water to treat acres including what the percentage concentration of bifenthrin and imidacloprid are, respectively, in the end-use dilutions. Also acre-wide treatments must be described in terms of the amount of a.i./acre wherever it appears on the label.
- h) Add under reapplication interval outdoors the annual limit of how much either active can be applied per acre.
- i) Replace "F6288 controls a wide spectrum of insects ... etc" with "F6288 controls listed insects ... etc"
- j) Delete "Recommendations" from "Application Recommendations", the use of words such as "recommendations" in advisory statements can be misleading. Use mandatory statements when the directions and precautions specify where, when and how a pesticide is to be applied.
  - a. Replace "Feeders, waterers and feed carts should be covered before application to prevent contamination" with "Cover feeders, waterers and feed carts before application to prevent contamination"
  - b. Replace "For adult fly control in and around animal facilities, spray application should target area where flies will rest ... etc" with "For adult fly control in and around animal facilities, target spray application to areas where flies will rest ... etc"
  - c. Replace "Application should also be made into cracks and crevices around insulation" with "Also make application into cracks and crevices around insulation"
- k) Replace "To the extent permitted by law, FMC Corporation or Seller shall not be liable ... etc" with "To the extent consistent with applicable law, FMC Corporation or Seller shall not be liable ... etc"

3. Make the following basic and alternate Confidential Statement of Formula (CSFs) modifications and submit changes to the Agency for approval before you release the product for shipment:

- Delete the first footnote (\*) to the percent by weight ai nominal concentration in column 13(b), "amount adjusted for variations in technical assay" on both CSFs.
- Correct the supplier's name and address for the Imidacloprid technical on both CSFs. See enclosed product chemistry review.

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4. Submit required product chemistry Group A and B data in support of the 2.0% bifenthrin and 5.0% imidacloprid to the Agency for approval before you release the product for shipment.
5. Revise and submit a new data matrix citing imidacloprid efficacy data to support product performance or delete imidacloprid from the label. Submit new data matrix to the Agency before you release the product for shipment.
6. Within one year of the date on this Notice of Registration (NOR), and prior to formulating this product, provide to the Agency a new label bearing the above stated revisions and data requested. If the above information and materials are not submitted within one year of this NOR, this registration will expire on October 6, 2010.
7. Please submit three (3) copies of your final printed labeling before releasing the product for shipment. If you fail to comply with the above stated conditions, this registration will automatically expire. 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 [www.alexander.bewanda@epa.gov](mailto:www.alexander.bewanda@epa.gov) or (703) 305-7460.

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# F6288 SC Liquid Insecticide

## Controls Pests in Livestock and Poultry Housing Structures

**ACTIVE INGREDIENT:**

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl] N-nitro-2-imidazolidinimine .....	5.0%
Bifenthrin* .....	2.0%
OTHER INGREDIENTS.....	<u>93.0%</u>
	100.0%

**EPA Reg. No. 279-XXXX      EPA Est. 279-**

\* Cis isomers 97% minimum, trans isomers 3% maximum  
U.S. Patent No. 4,238,505  
Contains 0.45 pounds of imidacloprid and 0.18 pounds of bifenthrin per gallon

**CAUTION**  
READ THE LABEL BEFORE USE.  
KEEP OUT OF REACH OF CHILDREN

Distributed by:  
Alpharma Inc.  
440 Route 22  
Bridgewater, NJ 08807 USA  
800-834-6470

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated**  
**OCT 6 2009**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
279-3367

Registered by: (will be removed from commercial label)  
FMC Corporation  
1735 Market Street  
Philadelphia, PA 19103

<b>FIRST AID</b>	
If Swallowed	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• 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.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If Inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
If On Skin or Clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If In Eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
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.	
<b>NOTE TO PHYSICIAN</b>	
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.	

## PRECAUTIONARY STATEMENTS

### Hazards to Humans (and Domestic Animals)

#### CAUTION

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

All pesticide handlers (mixers, loaders and applicators) must wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves. After the product is diluted in accordance with label directions for use, and/or when mixing and loading using a closed spray tank transfer system or an in-line injector system, shirt, pants, socks, shoes and waterproof gloves are sufficient. In addition, all pesticide handlers must wear a respiratory protection device<sup>1</sup> when working in a non-ventilated space. All pesticide handlers must wear protective eyewear when working in non ventilated space.

Use one of the following: NIOSH approved respirator with any R, P or HE filter or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.

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.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. 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. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds.

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.

## Physical and Chemical Hazards

Do not apply water-based dilutions of F6288 to electrical conduits, motor housings, junction boxes, switch boxes or other electrical equipment because of possible shock hazard.

## 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 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 container.

**In case of spill, avoid contact, isolate area and keep out animals and unprotected persons.**

**Confine spills. Call Chemtrec at 1-800-424-9300.**

**To Confine Spills:** 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. Do not contaminate water, food or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

## CONTAINER DISPOSAL

**Plastic Container:** Non-refillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10

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seconds after flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds, Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

**DIRECTIONS FOR USE**

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

- Do not apply a broadcast application to interior surfaces of homes.
- Do not apply by air.
- Do not apply in nurseries.
- Do not apply this product through any kind of irrigation system.
- Not for use on sod farm turf, golf course turf or grass grown for seed.

**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.

**GENERAL INFORMATION ON THE USE OF THIS PRODUCT**

F6288 controls a wide spectrum of insects and mites in livestock premises.

**Resistance:** Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state pest management authorities for details. If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control.

If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect 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.

**APPLICATION RECOMMENDATIONS**

**Livestock and Poultry Housing Structures**

Controls pests of poultry and livestock facilities, including biting flies, filth-breeding flies, fleas, litter beetles, hide beetles, bed bugs, mites and ticks. Apply as a general surface (including directed spray) and/or crack and crevice treatment. Control is enhanced when interior and exterior perimeter applications are made in and around the livestock or poultry housing structures. Normal cleaning practices of the structure also must be followed along with applications of F6288 to effectively control crawling and flying insect pests.

For occupied areas of poultry and livestock facilities, apply to indoor cracks and crevices only. Exterior applications to walls and foundation perimeters can help prevent interior infestations of flying and crawling insect pests. Apply F6288 at a rate equivalent to 3.5 fl. oz per 1,000 sq. feet.

For unoccupied areas of poultry and livestock facilities, apply to floors, vertical and overhead surfaces where crawling or flying insect pests may be present. Feeders, waterers and feed carts should be covered before application to prevent contamination. Do not apply to milk rooms. Pay attention to animal areas including stanchions, pipes, windows, doors and areas where insect pests hide or congregate. Exterior applications to walls and foundation perimeters can help prevent interior infestations of flying and crawling insect pests. Apply F6288 at a rate equivalent to 3.5 fl. oz per 1,000 sq. feet.

To control bed bugs, mites and ticks in animal facilities, treat cracks/crevices, walls, posts, nest boxes and mobile side curtains. Do not apply F6288 directly to animals.

For adult fly control in and around animal facilities, spray application should target areas where flies will rest, such as the ceiling, rafters and trusses. Also treat windows, interior and exterior walls and supports, fences and vegetation. F6288 suspension may be sprayed on manure in areas where fly larvae are abundant and the area cannot be cleaned.

For poultry houses, apply to floor area (birds grown on litter) or to walls, posts and cage framing (birds grown in cages). Application should also be made into cracks and crevices around insulation. Reapply after each growout or sanitization procedure, but not more frequently than every 8 weeks. Indoor control can be enhanced by making perimeter treatments around the outside of building foundations to prevent immigrating adult beetles. Apply in a uniform band 2 to 3 feet up and 6 to 10 feet out from the structure. Maintaining a year-round treatment program will prevent background populations from reaching problem levels.

To control beetles in houses containing birds grown on litter, apply F6288 at a rate equivalent to 3.5 fl. oz per 1,000 sq. feet to litter after birds are removed and during tilling. If litter is removed and replaced with fresh litter, apply F6288 at a rate equivalent to 3.5 fl. oz per 1,000 sq. feet to bare soil or concrete, and treat new litter after it is spread. Apply spray to inside walls, posts and exterior perimeter. Reapply between each flock.

To control beetles in broiler-breeder houses, apply as directed above for litter and soil/floor treatment.

To control beetles in caged-layer houses, do not treat accumulated manure as it will likely disrupt natural enemies that control fly breeding. Instead, treat the perimeter of the manure at a rate equivalent to 3.5 fl. oz F6288 per 1,000 sq. feet. Pit walls, posts and exterior of structure should also be sprayed. Reapply between each flock.

Allow F6288 treatment to dry before applying disinfectants.

DO NOT apply F6288 as a general surface spray when animals are present in the facility. Allow applications to dry before restocking the facility. Treatment may be made to cracks and crevices when animals are present.

DO NOT apply F6288 to any animal feed, water or watering equipment.

DO NOT contaminate any animal feed, food or water in and around livestock or poultry housing when making applications.



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## Pest Control on Outside Surfaces and Around Buildings

F6288 will provide up to 1-month residual control of house flies. Length of residual control is dependent upon rate and surface treated.

For control of Ants, Carpenter Ants, Fire Ants, Armyworms, Lady Beetles, Bees, Beetles\*, Biting Flies, Boxelder Bugs, Centipedes, Chiggers, Chinch Bugs, Cicadas, Clover Mites, Crickets, Cutworms, Dichondra Flea Beetles, Earwigs, Elm Leaf Beetles, Firebrats, Fleas, Flies, Gnats, Grasshoppers, Hornets, Japanese Beetles\*, Midge, Millipedes, Mosquitoes, Moths, Roaches (including Cockroaches), Scorpions, Silverfish, Sod Webworms, Sowbugs (Pillbugs), Spider Mites, Spiders (including Black Widow, Brown Recluse and Hobo Spiders), Springtails, Ticks (including Brown Dog Ticks) and Wasps.

\*Not for use in California.

Apply F6288 suspension as a residual spray to outside surfaces of buildings including, but not limited to, exterior siding, foundations, porches, window frames, eaves, patios, garages, refuse dumps, lawns such as grass areas adjacent or around private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carports, garages, fence lines, storage sheds, barns, and other residential and non-commercial structures, soil, trunks of woody ornamentals and other areas where pests congregate or have been seen. Use a spray volume of up to 10 gallons of suspension per 1,000 sq. feet. Higher application volumes may be used to obtain the desired coverage of dense vegetation or landscaping materials.

**Imported Fire Ants:** Control will be optimized by combining broadcast applications that will control foraging workers and newly mated fly-in queens with mound drenches that will eliminate existing colonies. If the soil is not moist, then it is important to irrigate before application or use a high volume application. Irrigation after application also will improve control. Mounds should be treated by diluting 2/3 fluid oz. (4 teaspoons) of F6288 GC SC per gallon of water and applying 1 to 2 gallons per mound. 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.

For large infestations of ants in turfgrass areas, a single application of 9.0 pints product (3.5 ounces per 1000 square feet; 0.5 lb of imidacloprid active ingredient, 0.2 lb of bifenthrin) per acre may be applied once per year.

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 F6288 SC if there are signs of renewed insect activity, but not sooner than two weeks after the first application

**Mixing Directions:** Mix 3.5 fl. oz of F6288 in enough volume of water to get thorough coverage of surfaces to be treated. Do not use household utensils to measure F6288. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed insect activity. Repeat application should be limited to no more than once per seven days.

**Perimeter Treatment:** Apply to a band of soil and vegetation 6 to 10 feet wide around and adjacent to the structure. Also, treat the foundation of the structure to a height of 2 to 3 feet. Apply 3.5 fl. oz of F6288 per 1,000 sq. feet in sufficient water to provide adequate coverage.

**Attention**

- Do not apply a broadcast application to interior surfaces of homes.
- Do not apply to pets, food crops or sources of electricity.
- Firewood is not to be burned for one month after treatment.
- Use only in well ventilated areas.
- Do not use on edible crops.
- During any application to overhead areas of structure, cover surfaces below with plastic sheeting or similar material, except for soil surfaces in crawlspaces.
- Do not allow spray to contact food, foodstuffs, food contacting surfaces, food utensils or water supplies.
- Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated by application of this product.
- Do not treat areas where food is exposed.
- During indoor surface applications do not allow dripping or run-off to occur.
- Do not allow people or pets on treated surfaces until spray has dried.
- Let surfaces dry before allowing people and pets to contact surfaces.
- Prior to applying F6288 to wood siding, especially rough wood siding, be sure to thoroughly agitate the tank mixture. Prior to treating wood siding, test a small area and allow it to dry to be sure no deposits will form. Follow the same procedure when applying to wood surfaces in direct sunlight or the heat of the day.
- Do not apply this product in patient rooms or in any rooms while occupied by the elderly or infirm.
- Do not apply in classrooms when in use.
- Do not apply when occupants are present in the immediate area in institutions such as libraries, sports facilities, etc.
- Application equipment that delivers low volume treatments, such as the Micro-Injector<sup>®</sup> or Actisol<sup>®</sup> applicators, may also be used to make crack and crevice, deep harborage, spot and general surface treatments of F6288.

**Questions & Comments**

For Information or questions regarding the use of this product, please contact AlphaPharma at 1-800-834-6470.

**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 Corporation or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold FMC Corporation and Seller harmless for any claims relating to such factors.

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**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 CORPORATION OR SELLER 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 Corporation, and buyer assumes the risk of any such use.**

To the extent permitted by law, FMC Corporation 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 CORPORATION 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 CORPORATION 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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