



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

EPA Reg. Number:

279-3287

Date of Issuance:

JUL - 8 2004

Term of Issuance: conditional

Name of Pesticide Product:

Flonicamid 50SG Insecticide

NOTICE OF PESTICIDE:

x RegistrationReregistration
(under FIFRA as amended)

Name and Address of Registrant (include ZIP Code):

Mr. George Meindl
Agricultural Products Group
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. As you agreed in your email dated 6/28/04, submit the following studies by the dates specified below:

Title	Guideline	Due Date
One Year Storage Stability	830.6317	15 months after date of registration
Corrosion Characteristics	830.6320	15 months after date of registration

2. Make the following label changes:

- The Storage and Disposal statements on the master label must also include the storage and disposal statements specified on the packets.
- Add to the container disposal instructions for the packets the following:
If burned stay out of smoke.
- Delete the sentence from the disposal statements on the packet, as it is confusing:
If none of the foregoing procedures is permitted by state and local authorities, then contact your State Pesticide or Environmental Control Agency, or Hazardous Waste Disposal office.

Signature of Approving Official:

Ann Schold for
Richard Gebken
Acting Product Manager 10
Insecticide Branch
Registration Division (7505C)

Date:

JUL - 8 2004

3. 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.

A stamped copy of the label is enclosed for your records.

Flonicamid

50SG Insecticide

For control of sucking pests in greenhouses.

EPA Reg. No. 279-3287

EPA Est. No. 279-

Active Ingredient:	By Wt.
Flonicamid.....	50.0%
Inert Ingredients:	<u>50.0%</u>
	100.0%

Active ingredient made in Japan.

KEEP OUT OF REACH OF CHILDREN
CAUTION

See other panels for additional precautionary information.

ACCEPTED
with COMMENTS
In EPA Letter Dated:
JUL - 8 2004

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
279-3287

FMC

FMC Corporation
Agricultural Products Group
Philadelphia PA 19103

Net Contents:

Flonicamid 50SG Caution Dft 10

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 on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
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 eyes. • Call a poison control center 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	
Treatment is otherwise controlled by removal of exposure followed by symptomatic and supportive care.	
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 contact with skin, eyes or 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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Handlers of this product must wear:

Long-sleeved shirt
Long pants
Waterproof Gloves
Shoes plus socks

Pesticide 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.

User Safety Recommendations

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

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

Do not apply to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

Physical and Chemical Hazards

Do not spray where electrical short circuits might result, such as wall outlets, conduit, switch boxes, or motor housings.

STORAGE AND DISPOSAL

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

Storage: Store in original container only, preferably in a locked storage area. Do not store in a manner where cross contamination with other pesticides, fertilizer, food or feed could occur. Keep out of reach of children and animals. Store in a cool, dry place and avoid excess heat. Carefully open container. After partial use, close tightly. If spilled during storage or handling, soak up spillage with absorbent material and dispose of in accordance with Pesticide Disposal instructions listed below.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Triple rinse container, then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by state and local authorities, by burning. 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. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during 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, waterproof gloves, and 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 Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not allow children or pets to go into treated areas or to contact treated surfaces until spray has dried.

Indoor (Interiorscapes) Use Precautions: Apply only in well-ventilated areas. Do not apply when occupants are present in the immediate area. Cover fish tanks prior to application. Apply to ornamental plants only. Do not apply to food crops.

GENERAL INFORMATION

Fonicamid 50SG Insecticide is a water dispersible granular formulation containing 8 ounces of fonicamid per pound. Fonicamid is a novel chemistry with no cross-resistance to organophosphates, carbamates and pyrethroids.

It is to be used for pest control of ornamental plants in greenhouses and interiorscapes. Do not apply to food crops (fruits, nuts, or vegetables).

This product stops insect feeding within 30 minutes, but insects may remain on plants for up to 5 days. This product gives excellent residual control.

Mixing Instructions

Thoroughly wash out spray equipment before using this product. Use a calibrated measuring device to measure the required amount of this product. When diluting, first add approximately half of the water to the spray tank, then add the required quantity of this product while agitating. Then fill the remainder of the tank with water and continue agitating until thoroughly mixed. Occasionally agitate sprayer during use to assure even coverage. Shake or re-agitate sprayer before use if application is interrupted. Do not apply this product through any type of irrigation system.

Mixing Instructions (For Individual Packets)

Thoroughly wash out spray equipment before using this product. Use a calibrated measuring device to measure the required amount of this product. When diluting, first add approximately half of the water to the spray tank, then open individual packet(s) and add the required quantity of packets while agitating. Do not add the packet to the spray tank. The packet is not water soluble. Then fill the remainder of the tank with water and continue agitating until thoroughly mixed. Occasionally agitate sprayer during use to assure even coverage. Shake or re-agitate sprayer before use if application is interrupted. Do not apply this product through any type of irrigation system.

**IF SPRAY SCREENS ARE USED
THEY SHOULD BE 50 MESH OR LARGER.**

Tank Mixing Instructions

When tank mixing this product with other pesticides, observe all precautions and limitations on each separate label. The physical compatibility of this product 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.

Using a jar that is able to contain a minimum of a quart, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

If mixture is physically compatible, add 1/2 of the required amount of water to the mix tank. Start the agitator before adding any tank mix partners. Add products in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables), liquid flowables, liquids, and emulsifiable concentrates.

Always allow each tank partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

Note: If using this product in tank mixtures, all products in water-soluble packaging should be added to the tank before any other tank mix partner, including this product. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.

If using this product in a tank mixture, observe all directions for use, plants/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label. No label dosage rate should be exceeded, and the most restrictive label precautions and limitations should be followed. This product should not be mixed with any product which prohibits such mixing.

Note: Do not allow tank mix to stand overnight.

ORNAMENTAL APPLICATIONS

GREENHOUSE and INTERIORSCAPE

Use in greenhouses is covered by the requirements of the Worker Protection Standard, 40 CFR part 170. See specific instructions on this label for protective clothing and other requirements under that Standard.

Ornamental Pests

Apply this product at a rate of 0.7 to 4.3 oz (20 to 120) grams product per 100 gallons (see table below for pest specific rates and comments). Treat when insects appear. Use the high rate for heavy infestations. A surfactant may be used as necessary at labeled surfactant concentrations. Repeat applications every 7-28 days as necessary depending on pest response and watering practices. For improved knockdown of heavy infestations, apply as a tank mix with a pyrethroid or other fast acting material.

Pests	Product Rate per 100 gallons	Active Ingredient Rate per 100 gallons	Comments
Aphids such as: <i>Acyrtosiphon</i> species <i>Aphis</i> species <i>Dactynotus</i> species Green Peach <i>Myzus persicae</i> <i>Macrosiphon</i> species <i>Rhopalosiphum</i> species	1-3 Packets ¹ (20 to 60 grams) (0.7 to 2.1 oz) (0.045 to 0.134 lb)	0.022 to 0.067 lb ai (10 to 30 grams ai) (0.35 to 1.05 oz ai)	Re-apply every 7 to 28 days as necessary
Thrips ² such as: Western Flower Thrips <i>Frankliniella occidentalis</i> Thrips species	3-4 Packets ¹ (60 to 80 grams) (2.1 to 2.9 oz) (0.134 to 0.180 lb)	0.067 to 0.090 lb ai (30 to 40 grams ai) (1.05 to 1.45 oz ai)	Re-apply every 7 to 28 days as necessary
Whiteflies ³ such as: Greenhouse Whitefly <i>Trialurodes vaporariorum</i> Sweet Potato Whitefly <i>Bemisia tabaci</i>	4-6 Packets ¹ (80 to 120 grams) (2.9 to 4.3 oz) (0.180 to 0.268 lb)	0.090 to 0.134 lb ai (40 to 60 grams ai) (1.45 to 2.15 oz ai)	Re-apply every 7 to 28 days as necessary
Leafhoppers Mealybugs Plant Bugs Scale Stinkbugs	3-6 Packets ¹ (60 to 120 grams) (2.1 to 4.3 oz) (0.134 to 0.268 lb)	0.067 to 0.134 lb ai (30 to 60 grams ai) (1.05 to 2.15 oz ai)	Re-apply every 7 to 28 days as necessary

¹Each packet contains 0.7 oz (20 grams) of product

²Thrips suppression on flowers. Best management achieved with application on foliage when insects first appear.

³Suppression of silverleaf whitefly. It is highly recommended to rotate or tank mix with a product of a different chemical class to achieve optimal whitefly management.

Ornamental Plants

For use on herbaceous and woody ornamental plants, annuals, and perennials.

Fonicamid 50SG Insecticide has demonstrated excellent safety on most plants; even so, all varieties of plants have not been fully tested. When treating large numbers of plants of a single variety, or when first treating material not specifically listed above, spray a few plants and observe for phytotoxicity prior to full scale application. Wait 5-7 days after treatment to evaluate trial results.

Certain pansy cultivars have exhibited sensitivity to fonicamid. Prior to use on pansy, apply fonicamid at the appropriate use rate to a small portion of the pansy crop (about 10 units per cultivar) and visually assess impact 7 to 10 days after application

Recommended Volumes of Spray Solution Per Acre for Ornamental Plants Based on Height

Plant Height	Volume per acre
Up to 1 ft	Up to 25 gal
1 ft - 2 ft	50 gal
2 ft - 4 ft	100 gal
4 ft - 6 ft	150 gal
> 6 ft	200 gal

RESISTANCE MANAGEMENT

Treatment may not be effective if tolerant strains develop. To reduce the potential for developing pest resistance to this product, alternate with insecticides from different classes of chemicals with different modes of action.

Resistance Management Strategy:

Do not apply this product more than two (2) times consecutively before rotating to another chemistry.

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.

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Post-It® Fax Note 7871		Date 6/28	# of pages 2
To Amy S. Fink		From George Merwell	
Co./Dept. EPD		Co. FMC	
Phone # 703 305 6502		Phone # 215 299 6130	
Fax # 703 305 6596		Fax # 215 299 6810	

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Flonicamid 50SG Insecticide

For control of sucking pests in greenhouses.

EPA Reg. No. 279-3287

EPA Est. No. 279-NY-1

Active Ingredient:	By Wt.
Flonicamid	50.0%
Inert Ingredients:	50.0%
Total	100.0%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See full label for additional precautionary statements and use directions.

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.

Net Wt.: 0.7 ounces(20 grams)

FMC Corporation
Agricultural Products Group
Philadelphia PA 19103

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PRECAUTIONARY STATEMENTS
Hazards to Humans (and Domestic Animals)

CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or 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.

STORAGE AND DISPOSAL

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

Storage: Store in original container only, preferably in a locked storage area. Do not store in a manner where cross contamination with other pesticides, fertilizer, food or feed could occur. Keep out of reach of children and animals. Store in a cool, dry place and avoid excess heat. Carefully open container. After partial use, close tightly. If spilled during storage or handling, soak up spillage with absorbent material and dispose of in accordance with Pesticide Disposal instructions listed below.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Emptied foil pouch may retain product residue. Observe all labeled safeguards until containers are destroyed. Do not reuse foil pouch.

Container Disposal: Dispose of empty foil pouch in a sanitary landfill, or by incineration, if allowed by state and local authorities.

If none of the foregoing procedures is permitted by state and local authorities, then contact your State Pesticide or Environmental Control Agency, or Hazardous Waste Disposal office.