



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

NOTICE OF PESTICIDE:
 Registration
 Reregistration
 (under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Andy Eimanis
 FMC Corporation
 1735 Market Street
 Philadelphia, PA 19103

Note: Changes in labeling affecting 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/re-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)(A) and (B) provided that you submit the data listed in attachment A and make the label changes listed below. Once a pesticide is registered, however, it is not regarded as permanently acceptable. Registration does not eliminate the need for continual reassessment of pesticides. If the Agency determines that, at any time, additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under FIFRA section (3)(c)(2)(B).

Label changes:

1. Change the EPA Reg. No. to 279-3277.
2. On the front panel, under the product name, place the following statement:
For Pest Control Operators and Commercial Use Only.
3. In the first aid statements, put the "If in eyes" statements first.
4. Under the Note to Physician, delete the following implied safety claims:
 This mixture has low oral, dermal and inhalation toxicity. It is non-irritating to the skin, but irritating to the eyes.
5. Add a Net Weight statement to the label.

Signature of Approving Official:

Ben Gebken
 Richard Gebken

Product Manager 10
 Insecticide Branch
 Registration Division (7505C)

Date:

SEP 16 2005

EPA Reg. Number: 279-3277	Date of Issuance: SEP 16 2005
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Term of Issuance: **conditional**
 Name of Pesticide Product: F1785 N 50 WG Insecticide

6. In the hazards to humans and domestic animals statements add the following:
Harmful if swallowed or absorbed through the skin.
7. Revise the second to last statement in the hazards to humans and domestic animals to read as follows:
Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.
8. Revise the first sentence under PPE (applicators and handlers) to specify chemical resistant gloves.
9. Revise the second sentence under PPE to read as follows:
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 there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. When handlers used closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS
10. Add an Environmental Hazards Statement as follows:
For terrestrial uses: 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 contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.
11. Move the Storage and Disposal Statements Box to the directions for use.
12. This product is a solid. Delete or revise the following storage statement: "soak up spillage with absorbent material."
13. In the first paragraph of the Agricultural Use Requirements box, revise the 4th sentence to read as follows:
It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval (REI) and notification to workers (as applicable).
14. In the section on PPE for early entry to treated areas, revise the gloves statement to read chemical resistant gloves.
15. In the sections on General Information and Resistance Management, the claim "novel chemistry" may only be used for six months after the date of registration or first release of the product for shipment, whichever is later.
16. Delete or submit data to support the claims of no cross-resistance to OPs, carbamates, pyrethroids, neonicotinoids and alternative classes of chemistry.
17. The directions for use must use US customary units of measure. Metric measure is optional.

18. Delete "or earlier" from the following direction:
Repeat applications every 7-28 days as necessary or earlier...

19. In the section on resistance management, add directions specifying if a minimum interval is needed between the second application of flonicamid F1785 N and application of another insecticide from a different resistance management group, or between application of the alternate insecticide and a third application of flonicamid F1785N.

20. The directions for use must specify a maximum of three applications per year and a maximum application rate.

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.

Attachment A

Data Required as Condition of Registration

Data Requirement/Title	Comment
Guideline 122-1(a) Seedling emergence	Study should be carried out using the maximum seasonal application rate of flonicamid.
Guideline 122-1(b) Vegetative Vigor	Study should be carried out using the maximum seasonal application rate of flonicamid.
Guideline 162-4 Aerobic Aquatic Metabolism	Data is required for Flonicamid degradates identified by HED as of toxicology concern: TFNA, TFNA-AM, TFNG, TFNA-OH.

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

**KEEP OUT OF REACH OF CHILDREN
WARNING**

See other panels for additional precautionary information.

**ACCEPTED
with COMMENTS**
In EPA Center Dated:
SEP 16 2005

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, this pesticide
registered under EPA Reg. No.
279-3277

FMC
FMC Corporation
Agricultural Products Group
Philadelphia PA 19103

F1785 N 8/04 revised label submitted to EPA's Ann Sibold via email 8/11/04

	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 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.
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, and 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 mixture has low oral, dermal and inhalation toxicity. It is non-irritating to the skin, but irritating to the eyes. Treatment is otherwise by controlled 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)

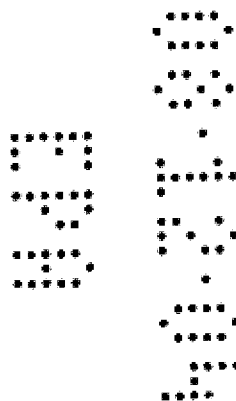
WARNING

Causes substantial but temporary eye injury. Avoid contact with skin. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield or safety glasses). Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks, protective eyewear and waterproof gloves.

Follow manufacturer's instructions for cleaning/maintaining PPE. If there are 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.

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. 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 by 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.

GENERAL INFORMATION

F1785 N is a water dispersible granular formulation containing 8 ounces of flonicamid per pound. Flonicamid is a novel chemistry with no cross-resistance to organophosphates, carbamates, pyrethroids, and neonicotinoids.

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

F1785 N stops insect feeding within 30 minutes, but insects may remain on plants for up to 5 days. F1785 N gives excellent residual control.

Mixing Instructions

Thoroughly wash out spray equipment before using F1785 N. Use a calibrated measuring device to measure the required amount of F1785 N. When diluting, first add approximately half of the water to the spray tank. Then add the required quantity of F1785 N 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.

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

Tank Mixing Instructions

When tank mixing F1785 N with other pesticides, observe all precautions and limitations on each separate label. The physical compatibility of F1785 N 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 F1785 N in tank mixtures, all products in water-soluble packaging should be added to the tank before any other tank mix partner, including F1785 N. 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 F1785 N 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

Nursery and Landscape

Use in nurseries 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.

Outdoor Use Precautions: Wear a long-sleeved shirt and long pants when spraying. Spray with the wind to your back. Do not spray on windy days. If clothes become wet from spray during use, remove clothing after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again. Do not apply this product through any type of irrigation system. Do not apply more than 0.267 lbs ai. per acre per season.

Ornamental Pests

Apply F1785 N at a rate of 20 to 120 grams product per 100 gallons (see table below for pest specific rates and comments). Treat when insects first appear. Use the high rate for heavy infestations. At the discretion of the applicator, F1785 N may be applied up to 120 grams per 100 gallons to control each of the pests on the label. A surfactant may be used as necessary or labeled surfactant concentrations. Repeat applications every 7-28 days as necessary or earlier 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: Acyrthosiphon species Aphis species Dysaphis species Green Peach Myzus persicae Macrosiphon species	0.045 to 0.134 lb (20 to 60 grams) (0.7 to 2.1 oz)	0.022 to 0.067 lb ai. (10 to 30 grams ai.) (0.36 to 1.05 oz ai.)	Re-apply every 7 to 28 days as necessary
Thrips ¹ such as: Echinothrips species Western Flower Thrips Frankliniella occidentalis Thrips species	0.134 to 0.268 lb (60 to 120 grams) (2.1 to 4.3 oz)	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
Whiteflies ² such as: Greenhouse Whitefly Trialeurodes vaporariorum Silverleaf Whitefly Bemisia argentifolii	0.180 to 0.268 lb (80 to 120 grams) (2.9 to 4.3 oz)	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
Mealybugs	0.134 to 0.268 lb (60 to 120 grams) (2.1 to 4.3 oz)	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

¹Thrips suppression on flowers. Best management achieved with application on foliage when insects first appear.

²Suppression 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.

F1785 N has demonstrated excellent plant safety, even so, all varieties of plants have not been fully tested. When treating large numbers of plants of a single variety, or when 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.

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

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

RESISTANCE MANAGEMENT

Fonicamid is a novel chemistry with no known cross-resistance to alternative classes of chemistry. 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 F1785 N more than two (2) times consecutively before rotating to another chemical class.

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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