



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAR 26 2004

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Michael C. Zucker
FMC Corporation Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103

Dear Mr. Zucker:

Subject: F1785 GH 50 WG Insecticide
EPA Reg. No. 279-3264
Submission dated 11/21/03

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. One copy of the finished labeling must be submitted prior to releasing the product for shipment.

Clarify the directions on page 2 for ornamental pests so that the phrase "or earlier" is not interpreted to mean treating more frequently than 7 days.

If you have questions, please call Ann Sibold at 703 305-6502.

Sincerely,



for

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

F1785 GH

50 WG Insecticide

For use on sucking pests in commercial greenhouses and interiorscapes.

EPA Reg. No. 279-3264

EPA Est. 279-

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

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

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.

Active ingredient made in Japan.

ACCEPTED
with **COMMENTS**
In EPA Letter Dated:
MAR 26 2004

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
279-3264



FMC Corporation
Agricultural Products Group
Philadelphia PA 19103

Net Contents:

FIRST AID

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.
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 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • 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.

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

Treatment is 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)

WARNING

Harmful if swallowed or absorbed through the skin. 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.

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, 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

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

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 must 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.

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. Do not spray where electrical short circuits might result, such as wall outlets, conduit, switch boxes, or motor housings. Apply to ornamental plants only. Do not apply to food crops.

GENERAL INFORMATION

F1785 GH 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 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).

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

Mixing Instructions

Thoroughly wash out spray equipment before using F1785 GH. Use a calibrated measuring device to measure the required amount of F1785 GH. When diluting, first add approximately half of the water to the spray tank, then add the required quantity of F1785 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 GH with other pesticides, observe all precautions and limitations on each separate label. The physical compatibility of F1785 GH 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 GH in tank mixtures, all products in water-soluble packaging should be added to the tank before any other tank mix partner, including F1785 GH. 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 GH 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 INTERIOSCAPE

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 F1785 GH at a rate of 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 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: <i>Acyrtosiphon</i> species <i>Aphis</i> species <i>Dysaphis</i> species Green Peach Aphid <i>Myzus persicae</i> <i>Macrosiphon</i> 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) (0.35 to 1.05 oz ai)	Re-apply every 7 to 28 days as necessary
Thrips ¹ such as: <i>Echinothrips</i> species Western Flower Thrips <i>Frankliniella occidentalis</i> <i>Thrips</i> 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 <i>Trialeurodes vaporariorum</i> Silverleaf Whitefly <i>Bemisia argentifolii</i> Sweet Potato Whitefly <i>Bemisia tabaci</i>	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 such as: Citrus Mealybug <i>Phenacoccus citri</i> Madeira Mealybug <i>Phenacoccus madeirensis</i>	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 *Bemisia* 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 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 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 F1785 GH 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.

In no event shall FMC or seller 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.

FMC — Trademark of FMC Corporation

(09/26/03)