

279-3333

03/27/2008

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

EPA Reg. Number:

279-3333

Date of Issuance:

MAR 27 2008

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance: conditional

Name of Pesticide Product:

F6305 WDG Insecticide

Name and Address of Registrant (include ZIP Code):

Nancy Hilton
 FMC Corporation
 1735 Merchant 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) and (B) provided that you:

1. Submit and/or cite all data required for registration 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 submit the data listed in Attachment A.

3. You make the following label changes:

In accordance with the cotton use on the label for Flonicamid 50 WG, change the PHI to 30 days.

In accordance with the tox review, change the If swallowed statement as follows:

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 by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Review and revise the Note to Physician, if necessary, as the formulation on file does not list a solvent.

Signature of Approving Official:

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

Date:

MAR 27 2008

In the section on PPE gloves, insert the following:
...such as barrier laminate or viton...

Update the disposal statements in accordance with PR Notice 2007-4.

In the section on Storage, clarify the reference to concentrate. This product is a solid.

Revise the 5th and 6th sentences of the Hazards to humans statements as follows:
Do not breathe dust or spray mist. Do not get on skin, in eyes or on clothing.

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.

The confidential statement of formula dated 3/14/08 is acceptable and a copy has been placed in the file jacket for this registration.

Attachment A

Data Required as a Condition of Registration

Guideline Number	Guideline Title	Due Date
830.6317	Storage Stability	March 27, 2009
830.6320	Corrosion Characteristics	March 27, 2009

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RESTRICTED USE PESTICIDE

Toxic to fish and aquatic organisms

For retail sale to and use only by certified applicators, or persons under their direct supervision and only for those uses covered by the certified applicator's certification.

ACCEPTED
with **COMMENTS**
In EPA Letter Dated:

MAR 27 2008

F6305 WDG Insecticide

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 279-3333

EPA Reg. No. 279-XXXX

EPA Est. 279-NY-1

Active Ingredients:	By Wt.
Zeta-Cypermethrin*	6.7%
Flonicamid	23.3%
Other Ingredients	70.0%
	100.0%

F6305 WDG contains 0.3 pounds active ingredient per pound of formulated product.

* Cis/trans ratio: Max. 75% (±) cis and min. 25% (±) trans
U.S. Patent No. Pending

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

IF SWALLOWED: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

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

Note to Physician

Vomiting should be supervised by a physician or the professional staff because of the possible pulmonary damages by aspiration of the solvent.

For Emergency Assistance Call (800) 331-3148.

See other panels for additional precautionary information.

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.



FMC Corporation
Agricultural Products Group
Philadelphia PA 19103

PRECAUTIONARY STATEMENTS Hazards to Humans (and Domestic Animals)

Caution

Harmful if swallowed. Causes moderate eye irritation. Harmful if absorbed through skin. Harmful if inhaled. Avoid breathing dust or spray mist. 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:

When handlers use closed systems, enclosed cabs, or aircraft 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.

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

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 thoroughly with soap and water after handling. 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 the 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, aquatic invertebrates, oysters and shrimp. 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 apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters.

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 it to drift to blooming crops if bees are visiting the treatment area.

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.

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 agricultural 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. Use this product in a rotation program with other classes of chemistry and modes of action to reduce the potential for pesticide resistance. Always apply this product at the recommended rates and in accordance with the use directions. Do not use less than recommended label rates alone or in tank mixtures. For optimum performance, scout fields carefully and begin applications when pests are smaller rather than larger. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

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, chemical-resistant gloves, and shoes plus socks.

STORAGE AND DISPOSAL
Do not contaminate other pesticides, fertilizers, 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, well-ventilated 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.
In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: (800) 331-3148.
To confine spill: 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
Plastic Containers: Triple rinse (or equivalent). 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.

Chemigation Use Directions

Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system. Do not connect any irrigation system (including greenhouse systems) used for pesticide application to a public water system.

Crop injury, lack of effectiveness, or illegal residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must also contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment

F6305 WDG Insecticide should be applied continuously for the duration of the water application. F6305 WDG Insecticide should be diluted in sufficient volume to insure accurate application over the area to be treated. Use the appropriate amount of water to carry the product to the target pest. Agitation is not required when a suitable diluent is used.

A diluents test should be conducted to ensure that phase separation would not occur during dilution and application. Failure to achieve a uniform dilution throughout the time of application may result in undesirable residues or less than desirable control.

Using Water from Public Water Systems: DO NOT APPLY F6305 WDG Insecticide THROUGH ANY IRRIGATION SYSTEM PHYSICALLY CONNECTED TO A PUBLIC WATER SYSTEM. Public water system means a system for the provision to the public of piped water for human consumption, if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. F6305 WDG Insecticide may be applied through irrigation systems, which may be supplied by a public water system only if water from the water system is discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and to top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. Before beginning chemigation, always make sure that the air gap exists and that there is no blockage of the overflow of the reservoir tank.

GENERAL INSTRUCTIONS

F6305 WDG Insecticide is a water dispersible granular formulation of the insecticides zeta-cypermethrin (a member of the pyrethroid class of chemistry) and flonicamid (a member of the pyridinecarboxamide class of chemistry).

The rate of application is dependent upon the insect species present, the level of insect pressure, and the amount of foliage present. Begin applications before populations begin to build or at economic thresholds according to local economic guidelines. Refer to local Cooperative Extension Guidelines and/or time applications for scouting results. Thorough plant coverage is essential for good performance.

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Rotational Crops

With the exception of the crop listed below, rotational crops should not be planted within 30 days of last application.

Use Restrictions

Do not use this product in greenhouses.

Do not use this product in home gardens.

Tank-Mixtures

F6305 WDG Insecticide can be mixed with products labeled for use on the crops/sites listed on this label in accordance with the more (most) restrictive of label limitations and precautions. No label dosage rates may be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. Read and follow all manufacturer's label recommendations for the companion product. F6305 WDG Insecticide is generally compatible with other insecticides, fungicides, fertilizers and micronutrient products provided sufficient free water is available for dispersion of all the tank mix products. However, the physical compatibility of F6305 WDG Insecticide with tank mix partners should be evaluated using a jar test before use.

The crop safety of all potential tank mixtures on all crops may not have been tested. Before applying any tank mixture not specifically recommended on this label, the safety to the target crop must be confirmed.

In general, tank mix partners should be added in the following order: products in water-soluble packaging, wettable powders or wettable granules or dry flowables, liquid flowables, liquids, then emulsifiable concentrates. Allow each tank mix partner to become completely dispersed before adding the next product.

Spray Drift Precautions

Do not make more than 10 synthetic pyrethroid applications (of one product or combination of products) to a cotton crop in one growing season. Synthetic pyrethroid products include Ambush®, Ammo®, Asana® XL, Baythroid®, Capture®, Danitol®, Fury®, Karate®, Mustang®, and Scout® X-TRA.

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.

Do not apply by ground equipment within 25 feet, or by air within 150 feet of lakes; reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds. Increase the buffer zone to 450 feet when ultra low volume (ULV) application is made.

For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wingtip or rotor vortices. The minimum practical boom length should be used and must not exceed 75% of wing span or rotor diameter.

Use the largest droplet size consistent with good pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.

Spray should be released at the lowest height consistent with pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.

Make aerial or ground applications when the wind velocity favors on target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Do not cultivate within 10' of the aquatic area so as to allow growth of a vegetative filter strip.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift to

aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Maximum Usage When Applying Both Zeta-Cypermethrin and Cypermethrin Products to the Same Crop Within the Same Season.

F6305 WDG Insecticide contains the pyrethroid zeta-cypermethrin.

Do not apply more than the maximum seasonal total for either product when used alone, and do not apply more than the combined maximum seasonal total for both products as outlined in the table below.

Maximum Seasonal Total (lbs ai/acre) For Use on Cotton				Maximum Seasonal Total (lbs ai/acre) When Applying Cypermethrin and Zeta- Cypermethrin Products to the Same Crop	Maximum Seasonal Total (lbs ai/acre) When Applying Zeta-cypermethrin Products to the Same Crop
Zeta-cypermethrin*				Cypermethrin**	Zeta-cypermethrin*
Mustang	Mustang Max	HERO	F6305 WDG	Zeta- cypermethrin* plus Cypermethrin**	Zeta-cypermethrin*
0.3	0.15	0.1125	0.072	0.6	0.3
* Mustang or Fury (1.5 EW or 1.5 EC), Mustang Max (EC or EW), HERO, F6305 WDG, or any zeta-cypermethrin product approved for crop use.					
** Any cypermethrin product approved for crop use, including Ammo™.					

Cotton (14 day phi)

Insects Controlled	Rate of Application	Method of Application
Cotton Aphid Cotton Fleahopper	3.7 to 5.9 ounces per acre (0.07 to 0.11 pound active per acre)	Begin applications before populations begin to build or at economic thresholds according to local economic guidelines. The low rate can be used early season for low pest densities or when tank mixing with other products registered for target insect control. Use the high rate for large pest populations, dense foliage, and longer residual. Rapidly growing cotton may need retreatment. Scout fields often and retreat as necessary to maintain pest populations below damaging levels.
Armyworm, Fall Armyworm, Yellow Striped Cabbage Looper Corn Borer, European Cotton Bollworm Cotton Leaf Perforator Pink Bollworm Saltmarsh Caterpillar Stink Bug species Tarnished Plant Bug Tobacco Budworm ¹	4.3 to 5.9 ounces per acre (0.08 to 0.11 pound active per acre)	Thorough spray coverage of plant foliage is essential for optimum control. Use a minimum of 5 gallons per acre by ground and 3 gallons per acre by air. Finished spray volumes should be increased under extreme pest populations or dense plant foliage. F6305 WDG Insecticide may be applied in water or refined vegetable oil. When water is used, apply a minimum of three gallons of finished spray per acre by air or five gallons of finished spray with ground equipment. When applying in water by air, one quart of emulsified oil may be substituted for one quart of water in the finished spray. When using oil, use a minimum of one quart per acre in the finished spray. For control of grasshoppers, applications should be made based on careful field scouting. Treatment decisions should be made based on evidence of feeding damage and presence of grasshoppers in cotton. Applications should be made on a broadcast basis since grasshoppers are highly mobile. Adjust rates based on populations of grasshopper found in fields. Increase application rates as grasshopper size and population density increases.
Armyworm, Beet ² Grasshoppers Western Plant Bug Whiteflies ³	4.8 to 5.9 ounces per acre (0.09 to 0.11 pound active per acre)	Follow appropriate spray drift precautions on this label.

Dealers Should Sell in Original Packages Only. 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 or 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. **EXCEPT AS WARRANTED BY THIS LABEL, 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 consistent with applicable law FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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, Ammo, Capture, Fury, Mustang—trademarks of FMC Corporation
Asana—trademark of E.I. duPont de Nemours & Company
Ambush, Karate—trademarks of Zeneca, LTD.
Baythroid—Trademark of Bayer Aktiengesellschaft
Danitol—trademark of Sumitomo Chemical Company, LTD
Scout—trademark of Hoechst Schering Agrovo S.A.

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Do not apply more than 17.7 oz/acre (0.33 pound ai per acre) per season. Do not apply more than 5.9 oz/acre (0.11 pound ai/a) per application. Do not apply more than 3 applications at the 5.9 oz/acre (0.11 pound ai/a) rate per season.

Allow a minimum of 7 days between applications.

Do not graze or feed cotton for forage.

¹ See resistance statement under "Directions for Use" section.
² For control of beet armyworms only in the high plains of Texas, Arizona, and California.
³ Aids in control.