

279-3348

04/08/2009

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

EPA Reg. Number:

279-3348

Date of Issuance:

APR 8 2009

Term of Issuance:
Conditional

Name of Pesticide Product:
F6570 EW PRO 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 you:

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 must generate studies corresponding to guidelines 830.6317 (one year storage stability) and 830.6320 (corrosion characteristics). The observations must be made at 0, 6, 9, and 12 months intervals. The results must be submitted to the Agency along with an electronic copy.

Signature of Approving Official:

Linda A De Lencastre for Richard Gebken

Date:

April 8, 2009

3. You agree that the current synthetic pyrethroid mitigation measures are interim in nature and may be reconsidered or modified after review and evaluation of the Spray drift Task Force data.

4. FMC understands that it is the US EPA intent to complete the reviews of all relevant data and other information that are available to the agency, and to make FIFRA 3(c)(5) or other appropriate regulatory decisions for cotton- use synthetic pyrethroids and other crops conditionally registered based on the Agency's review of such data/information and considering statutory and regulatory criteria for such decisions.

5. You will make the following label changes before you release the product for shipment:

- a. Revise the EPA Registration Number to read "EPA Registration Number 279-3348."
- b. Under the Hazards to Humans and Domestic Animals section add "Wear long- sleeved shirt and long pants, socks, shoes and gloves.". Also add "Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals."
- c. You may delete the "If Swallowed" precautions since this study is classified as category IV.
- d. Under Indoor Use "Use to kill and control pests commonly found indoors or that may enter from outdoor areas such as Ants, including carpenter ant, and nuisance ants, Bugs, including boxelder bugs, plant bugs, and bed bugs, Centipedes, Chiggers, Cockroaches, including oriental cockroach, German cockroach, and American cockroach, Crickets, Earwigs, Beetles, Firebrats, Fleas, including cat fleas, Flies, including house flies and biting flies, Millipedes, Moths, Pillbugs, Silverfish, Sowbugs, Spiders, and Ticks" Delete Centipedes, Chiggers, Fleas, cat fleas, biting flies, and Ticks. No data were submitted or cited to support these claims.
- e. Under Indoor Use change "This product will provide up to 9 months residual control (of ants) when applied at 0.04% concentration" to "This product will provide up to 8 months residual control (of ants) when applied at 0.04% concentration" . Only an 8 month claim is supported by the cited residual data.
- f. This product will provide up to three (3) months residual control of flies, including house flies and biting flies. Length of residual control is dependent upon rate and surface treated". Delete biting fly claims because no data was provided. For house flies, residual claim of 3 months is only acceptable for tile, marlite, and stainless steel. Residual control on wood and concrete is much shorter (i.e. 1-2 weeks), so the statement of 'up to 3 months is misleading,' despite the qualification statement about different surfaces. It would be acceptable to have separate claims for smooth indoor surfaces (3 months) and wood/concrete (up to 2 weeks).

- g. Change "This product will provide up to 9 months residual control (of ants) when applied at the higher rate" to "This product will provide up to 8 months residual control (of ants) when applied at the higher rate". Only an 8 month claim is supported by the cited residual data.
- h. Bedbugs: Acceptable only for a claim of "exposed stages of bedbugs". There is no data for treated surfaces or residual control.
- i. Change "Boxelder bugs, centipedes, earwigs, elm leaf beetles, ground beetles, millipedes, pillbugs, sowbugs, and spiders" to "Boxelder bugs, earwigs, elm leaf beetles, ground beetles, millipedes, pillbugs, sowbugs, and spiders" Centipede claims are unacceptable since no data were provided or cited.
- j. This product will provide up to three (3) months residual control of flies, including house flies and biting flies. Length of residual control is dependent upon rate and surface treated. Delete the biting fly claim because no data was provided. For house flies, residual claim of 3 months is only acceptable for tile, marlite, and stainless steel. Residual control on wood and concrete is much shorter (i.e. 1-2 weeks), so the statement of 'up to 3 months is misleading,' despite the qualification statement about different surfaces therefore delete. It would be acceptable to have separate claims for smooth indoor surfaces (3 months) and wood/concrete (up to 2 weeks).
- k. Under Outdoor Use "Kill and control pests such as ants (including Allegheny mound, Argentine, Cornfield, Field, Florida carpenter, Foraging Fire Ant, Carpenter ant, Lasius, Red harvester, Odorous, Pavement, Pharaoh (sugar), Pyramid, Red Harvester, Red Odorous Southern, Honey, Nuisance), bugs (including palmetto bugs), centipedes, cockroaches (including American, German, and Oriental), crickets, earwigs, fleas (including cat fleas), flies, (including biting flies and house flies), millipedes, mosquitoes, scorpions, sowbugs, spiders, and ticks (including American, brown dog tick)" delete Harvester ants, Pharaoh ants, Centipedes, Fleas (including cat fleas), biting flies, mosquitoes, and ticks (including American, brown dog tick) these claims are unacceptable as no data were submitted or cited for these pests. The remaining claims are acceptable (species specific data are required for claims of wood damaging ants).
- l. Delete "This product will provide up to 3 months residual control of cockroaches, such as German, Oriental, and American cockroaches.". Length of residual control is dependent upon rate and surface treated. An outdoor claim is unacceptable because efficacy studies were conducted indoors. Rain and wetting may decrease outdoor residual activity.
- m. Delete all barrier claims.

- n. Use F6570 EW PRO to kill and control common pests found in lawns such as ants (including carpenter, lawn, Red Harvester, Odorous, Pyramid, Pharaoh (Sugar), Fire Ants*, Foraging Fire Ants, Argentine), Armyworms (including fall armyworms), Beetles (including Japanese beetle, dung beetle, Dichondra flea beetle, ground beetle), black turfgrass ataenius, Boxelder bugs, Centipedes, Chiggers, Chinch Bugs, Crickets, Cutworms (including Black Cutworms), Earwigs, Fleas (including Cat Fleas), Flies (including European crane flies, biting flies), Grasshoppers, Leafhoppers, Mealybugs, Millipedes, Mole crickets, Sod Webworms (Lawn Moth), Sowbugs (Pillbugs), Spiders, Ticks (including Brown Dog Ticks) and Weevils (including Billbugs, Hyperodes, Annual Bluegrass Billbug) *Aids in control. Delete "Red Harvester Ants, Pharaoh Ants, Centipedes, Fleas (including Cat Fleas), biting flies, Ticks (including brown dog ticks) claims, and the aids in control claim for Fire Ants" since no data were submitted or cited for these pests. The fire ant data submitted was for mound drench application only.
- o. Under Greenhouses, Interiorscapes, and Indoor Plants "Bagworms, Cutworms, Elm Leaf Beetles, Fall Webworms, Gypsy Moth Caterpillars, Lace Bugs, Leaf Feeding Caterpillars, Tent Caterpillars, Adelgids, Aphids, Bark Beetles, Bees, Beet Armyworm, Beetles, Black Vine Weevil, Borers, Boxelder bugs, Brown Soft Scales, Budworms, California Red Scale, Carpenter Ants, Carpenter Bees, Centipedes, Cicadas, Citrus Thrips, Crickets, Diaprepes, Earwigs, Flea Beetles, Fungus gnats, Grasshoppers, Gypsy Moth, Japanese Beetle, Leafhoppers, Mealybugs, Millipedes, Orchard Weevil, Pillbugs, Pine Needle Scales, Plant Bugs, Psyllids, San Jose Scales, Scorpions, Sowbugs, Spiders, Spittlebugs, Thrips, Tip Moths, Treehoppers, Twig borers, Wasps, Weevils, Whiteflies, Ants, Imported Fire Ants, Leafminers, Pine Shoot Beetle" delete "Centipedes" since no data were provided or cited.
- p. Residual control of Argentine Ants on ceramic was only demonstrated for 8 months post-treatment, not 9 months. Please revise.

ACUTE TOXICITY REVIEW

STUDY	MRID	CATEGORY	CLASSIFICATION
Acute Oral	47385702	IV	Acceptable
Acute Dermal	47385703	IV	Acceptable
Acute Inhalation	47385704	IV	Acceptable
Eye Irritation	47385706	IV	Acceptable
Dermal Irritation	47385705	IV	Acceptable
Dermal Sensitization	47626701	Negative	Acceptable

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6. Please submit two (2) copies of your final printed labeling before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). 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.

Attached is a copy reviews.

If you have any questions regarding this action, please contact Linda A. DeLuise of my team at (703) 305-5428.

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() designates optional language

F6570 EW PRO Insecticide

For Use by Licensed Pest Control Operators

EPA Reg. No. 279-

EPA Est. 279-

Active Ingredient:	By Wt.
Zeta-Cypermethrin*	0.35%
Other Ingredients:	<u>99.65%</u>
	100.0%

*F6570 EW PRO contains 0.03 pounds active ingredient per gallon.

* Cis/trans ratio: Max. 75% (±) cis and min. 25% (±) trans

U.S. Patent No. Pending

ACCEPTED
with COMMENTS
by EPA Letter Board

APR 8 2009

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
279-3348

KEEP OUT OF REACH OF CHILDREN

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 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.
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	
Skin contact (vapor or powder) may be followed by transient tingling or numbness, usually of the face, but this subsides without treatment. This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive	
For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).	



FMC Corporation
1735 Market Street
Agricultural Products Group
Philadelphia PA 19103

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PRECAUTIONARY STATEMENTS Hazards to Humans (and Domestic Animals)

PRECAUTIONARY STATEMENTS

ENVIRONMENTAL HAZARDS

- This pesticide is extremely toxic to fish, aquatic invertebrates, oysters and shrimp.
- Do not apply near water, storm drains or drainage ditches
- Do not apply when windy or when heavy rainfall is expected.
- Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds.
- This product is highly toxic to bees. Do not apply this product to or allow to drift to blooming plants if bees are in the area.

DIRECTIONS FOR USE

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

SHAKE WELL BEFORE USING

STORAGE AND DISPOSAL

Pesticide Storage

Do not freeze. 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 containers. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

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: Dike surrounding area or absorb with sand, cat litter, or commercial clay. 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

Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities. Do not cut or weld metal containers.

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.

Returnable/Refillable Sealed Containers: Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase.

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Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for homeowner use, aesthetic purposes or climatic modification and being grown indoors, in interior plantscapes, ornamental gardens, vegetable gardens or parks, or lawns and grounds.

For pest control in and on buildings and structures and their immediate surroundings and on modes of transport. Permitted areas of use include (but are not limited to): industrial buildings and installations; houses; apartment buildings; laboratories; buses; greenhouses; the nonfood/feed and food/feed areas of stores, warehouses, vessels, railcars, trucks, trailers, aircraft (do not use in occupied aircraft cabins), theaters, schools, nursing homes, hospitals, restaurants, hotels, and food manufacturing, processing, and servicing establishments, lawns, home vegetable and ornamental gardens, ornamental trees and shrubs.

F6570 EW PRO is to be diluted with water for spray or brush application. Fill sprayer with the desired volume of water and add F6570 EW PRO. Close and shake before use in order to insure proper mixing. Mix only the amount of solution needed for the application. Repeat applications may be necessary to achieve control. Repeat application should be limited to no more than once per seven days.

INDOOR USE

In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed.

Use to kill and control pests commonly found indoors or that may enter from outdoor areas such as Ants, including carpenter ant, and nuisance ants, Bugs, including boxelder bugs, plant bugs and bed bugs, Centipedes, Chiggers, Cockroaches, including oriental cockroach, german cockroach and American cockroach, Crickets, Earwigs, Beetles, Firebrats, Fleas, including cat fleas, Flies, including house flies and biting flies, Millipedes, Moths, Pillbugs, Silverfish, Sowbugs, Spiders and Ticks.

This product will provide up to 9 months residual control (of ants) when applied at 0.04% concentration. This product will provide up to three (3) months residual control of flies, including house flies and biting flies. Length of residual control is dependent upon rate and surface treated.

Apply a 0.02% to 0.04% solution at a rate of 1 gallon per 1,000 square foot for pests indoors to localized areas. Apply as a pin stream, fine/coarse, low pressure spray or using a paintbrush directly to pest and to areas where pests are found or hide, such as baseboards, corners, storage areas, closets, around water pipes, doors and windows, attics and eaves, behind and under refrigerators, cabinets, sinks, furnaces, and stoves, the underside of shelves, drawers and similar areas. Pay particular attention to cracks and crevices. Spray leaves of infested indoor plants. For indoor grown vegetables, follow instructions under Gardens and Vegetable Section.

To prepare a 0.02% ready to use solution, dilute 7½ fluid ounces of this product per gallon of water. To prepare a 0.04% ready to use solution, dilute 15 fluid ounces of this product per gallon of water.

Cockroaches, Crickets, Firebrats, Silverfish, Scorpions, Springtails: Apply as a coarse, low pressure spray to areas where these pests hide, such as baseboards, corners, storage areas, closets, around water pipes, doors and windows, attics and eaves, behind and under refrigerators, cabinets, sinks, furnaces, and stoves, the underside of shelves, drawers and similar areas. Pay particular attention to cracks and crevices. (Also see OUTDOOR USE section).

This product will provide up to three months residual control of cockroaches, such as German, Oriental and American cockroaches. Length of residual control is dependent upon rate and surface treated.

Ants: Apply to any trails, around doors and windows and other places where ants may be found. This product will provide up to 9 months residual control (of ants) when applied at the higher rate. (Also see OUTDOOR USE section).

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Bed bugs: Apply to crack and crevices where evidence of bed bugs occurs. This includes bed frames, box springs, inside empty dressers, and clothes closets and carpet edges, high and low wall moldings and wallpaper edges. Do not use this product on mattresses, pillows, bed linens, or clothes. Remove all clothes and other articles from dressers or clothes closets before application. Allow all treated areas to dry thoroughly before use. Not recommended for use as a sole protection against bedbugs. If evidence of bedbugs is found in/on mattresses, use products approved for this use.

Boxelder Bugs, Centipedes, Earwigs, Elm Leaf Beetles, Ground Beetles, Millipedes, Pillbugs, Sowbugs and Spiders: Apply around doors and windows and other places where these pests may be found or where they may enter premises. Spray baseboards, storage areas and other locations. (Also see OUTDOOR USE section)..

Flies: Apply directly to walls, ceilings, window screens, and other fly resting areas as a residual surface treatment. May be used inside residential buildings as well as in and around carports, garages, and storage sheds. This product will provide up to three (3) months residual control of flies, including house flies and biting flies. Length of residual control is dependent upon rate and surface treated. (Also see the OUTDOOR USE section)

Bees and Wasps Indoors: Application should be made in the late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible. 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 (also see OUTDOOR USE section)

Treatment of Wood-in-Place for Control of Wood-Infesting Insects: (Localized Areas in Structure) For the control of insects such as Termites, Ants and Carpenter Ants in localized areas of infested wood in and around structures, application should be made to voids and galleries in damaged wood and in spaces between wooden members of a structure and between wood and foundations where wood is vulnerable. Paint on or fan spray applications may also be used. Plastic sheeting must be placed immediately below overhead areas that are spot treated except for soil surfaces in crawl spaces. Application may be made to inaccessible areas by drilling, and then injecting dilution with a crack and crevice injector into the damaged wood or void spaces. This type of application is not intended to be a substitute for soil treatment, mechanical alteration or fumigation to control extensive infestation of wood-infesting insects.

Termite carton nests in trees or building voids may be injected with 0.05% dilution. Multiple injection points to varying depths may be necessary. It is desirable to physically remove carton nest material from building voids when such nests are found.

Food/Feed Handling Establishment Applications

Applications of this product are permitted in both food/feed and non-food areas of food/feed handling establishments as a general surface, spot, or crack and crevice treatment.

Food/feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. Included also are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food. Serving areas where food is exposed and the facility is in operation are also considered food areas.

Permitted non-food areas of use include, garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, garages, mop closets and storage (after canning or bottling).

Permitted use sites include, but are not limited to: Aircraft (do not use in occupied aircraft cabins), apartment buildings, bakeries, bottling facilities, breweries, buses, cafeterias, candy plants, canneries, dairy product processing plants, food manufacturing plants, food processing plants, food service establishments, granaries, grain mills, hospitals, hotels, industrial buildings, laboratories, meat/poultry/egg processing plants, mobile/motor homes, nursing homes offices, railcars, restaurants, schools, ships, trailers, trucks, vessels, warehouses and wineries.

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F6570 EW PRO may be used as a general spot, crack and crevice treatment in nonfood areas. All areas where insects inhabit or through which insects may enter should be treated.

Apply a 0.02% to 0.04% solution. To prepare a 0.02% ready to use solution, dilute 7½ fluid ounces of this product per gallon of water. To prepare a 0.04% ready to use solution, dilute 15 fluid ounces of this product per gallon of water.

General Surface Application: Do not use this application method in food/feed handling establishments when the facility is in operation or foods/feeds are exposed. Do not apply directly to food products. Cover or remove all food processing and/or handling equipment during application. After application in food processing plants, bakeries, cafeterias and similar facilities, wash all equipment, benches, shelving and other surfaces which food will contact. Clean food handling or processing equipment and thoroughly rinse with clean, fresh water.

Spot, Crack and Crevice Application: Spot or crack and crevice applications may be made while the facility is in operation; however, food should be covered or removed from area being treated. Do not apply directly to food.

OUTDOOR USE

Outside Surfaces and Around Buildings

Use to kill and control pests commonly found outdoors on areas such as patios, porches, decks and driveways or near structures and buildings. Kill and control pests such as ants (including Allegheny mound, Argentine, Cornfield, Field, Florida carpenter, Foraging Fire Ant, Carpenter ant, Lasius, Red harvester, Odorous, Pavement, Pharaoh (sugar), Pyramid, Red Harvester, Red Odorous Southern, Honey, Nuisance), bugs (including palmetto bugs), centipedes, cockroaches (including American, German and Oriental), crickets, earwigs, fleas (including cat fleas), flies (including biting flies and house flies), millipedes, mosquitoes, scorpions, sowbugs, spiders, and ticks (including American, brown dog tick)

To kill existing pests around buildings, apply 0.02% to 0.04% solution by brush or as a residual spray either by hand or with a power sprayer. Apply 1 gallon of spray per 1000 square feet to surfaces of buildings, porches, screens, window frames, eaves, patios, lawns areas adjacent to or around homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carports, garages, fence lines, storage sheds, barns, and other residential structures, commercial, industrial and institutional buildings, vegetation, refuse dumps, garages and in other areas where pests are found. Apply 0.02% to 0.04% solution to point of run-off by brush or as a residual spray to vegetation such as bushes and ornamental trees around buildings and other structures. Retreat if pests return.

To prevent pests from entering buildings, apply 0.04% solution to a band of soil and vegetation 5 to 10 feet wide around and adjacent to the building. Also, treat the building foundation to a height of 2 to 3 feet where pests are active and may find entrance. Apply as a coarse spray. Thoroughly and uniformly wet the band area, using 1 gallon of spray mix per 1,000 square feet.

The surface to be treated should be dry at the time of application. Attics and unoccupied lofts should be treated at the same time and at the same rate. Retreat as necessary if pests return.

To prepare a 0.02% ready to use solution, dilute 7½ fluid ounces of this product per gallon of water. To prepare a 0.04% ready to use solution, dilute 15 fluid ounces of this product per gallon of water.

Apply a dilution of 0.02% to 0.04% by brush or as a residual spray either by hand or power sprayer. Apply to surfaces of buildings, porches, screens, window frames, eaves, patios, lawns areas adjacent to or around private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carports, garages, fence lines, storage sheds, barns, and other residential structures, commercial, industrial and institutional buildings, vegetation, mulch, cracks/crevices, refuse dumps, garages and in other areas where pests are found.

This product will provide up to 3 months residual control of cockroaches, such as German, Oriental and American cockroaches. Length of residual control is dependent upon rate and surface treated.

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Specific Treatment Outdoors

Localized treatment of termite-infested wood-in-place: Termite carton nests in ornamental trees or building voids may be injected with 0.05% dilution. Multiple injection points to varying depths may be necessary. It is desirable to physically remove carton nest material from building voids when such nests are found.

Ants: Apply to any trails, around doors and windows and other places where ants may be found.

Carpenter Ants Outdoors: Apply a 0.02% to 0.04% dilution to carpenter ant trails around doors and windows and other places where carpenter ants have been observed or are expected to forage. For best results, locate and treat carpenter ant nests. Apply a perimeter treatment as described in the "Pest Control on Outside Surfaces and Around Buildings" section of this label. The higher application volumes, as well as more frequent applications, may be necessary when treating concrete surfaces for carpenter ant control. Maximum control is generally achieved using the following procedure:

- 1) Treat non-porous surfaces with low volume applications using 0.2 fluid ounces of concentrate per gallon of water and applying this dilution at the rate of one gallon per 1,000 square feet.
- 2) Treat the trunks of ornamental trees that have carpenter ant trails, or upon which carpenter ants are foraging, using 7 1/2 to 15 fluid ounces of concentrate per gallon of water and applying this dilution to thoroughly wet the bark from the base of the ornamental tree to as high as possible on the trunk.
- 3) Treat porous surfaces and vegetation with high volume applications using dilutions that are calculated to deliver 0.2 to 0.4 fluid ounces of concentrate per 1,000 square

To control carpenter ants inside ornamental trees, utility poles, fencing or deck materials and similar structural members, drill to locate the interior infested cavity and inject or foam a 0.04% dilution (15 fluid ounces of concentrate per gallon of water) into the cavity using a sufficient volume and an appropriate treatment tool with a splash back guard.

To control carpenter ants that are tunneling in the soil, dilute 7 1/2 to 15 fluid ounces of concentrate per gallon of water and apply as a drench or inject the dilution or foam at intervals of 8 to 12 inches. Establish a uniform vertical barrier at the edges of walls, driveways or other hard surfaces where ants are tunneling beneath the surfaces.

For wood piles and stored lumber, apply a 0.04% emulsion. Use a hose-end sprayer or sprinkling can to deliver a coarse drenching spray. Treated wood can be burned or used for lumber one month after treatment. Do not use in structures.

To protect firewood from carpenter ants (and termites), dilute 15 fluid ounces of concentrate per gallon of water and apply to the soil beneath where the firewood will be stacked at the rate of one gallon of dilution per 8 square feet. DO NOT treat firewood with this product.

Bees and Wasps: Application to nests should be made late in the evening when insects are at rest. Thoroughly spray nest and entrance and surrounding areas where insects alight.

Boxelder bugs, elm leaf beetles, gypsy moth caterpillars: spray ornamental tree trunks, building siding, or wherever pests congregate, to point of runoff.

Borers and bark beetles: To prevent infestation of ornamental trees and woody ornamentals, spray the bark thoroughly but do not let runoff occur.

Perimeter Treatment: To prevent infestation of buildings, apply to a band of soil and vegetation 5 to 10 feet wide around and adjacent to the building. Also, treat the building foundation to a height of 2 to 3 feet where pests are active and may find entrance. Apply as a coarse spray. Thoroughly and uniformly wet the band area, using 1 gallon of spray mix per 400 square feet.

The surface to be treated should be dry at the time of application. Attics and unoccupied lofts should be treated at the same time and at the same rate.

Vinyl and Aluminum Siding

The application of this product to vinyl and aluminum siding (particularly lightly colored, aged, weathered or otherwise damaged) may result in staining, bleaching or discoloration. Factors such as extreme heat and direct sunlight can promote damage when using emulsifiable concentrates. Before applying this product to vinyl or aluminum siding, treat a small area and evaluate 30 minutes later to allow any potential staining to occur. Regardless of the test results, do not apply to vinyl or aluminum siding while exposed to direct sunlight or during the heat of the day.

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Lawns

Use F6570 EW PRO to kill and control common pests found in lawns such as of ants (including Carpenter, lawn, Red Harvester, Odorous, Pyramid, Pharaoh (Sugar), Fire Ants*, Foraging Fire Ants, Argentine), Armyworms (including Fall Armyworms), Beetles (including Japanese beetle, dung beetle, Dichondra flea beetle, ground beetle), black turfgrass ataenius, Boxelder bugs, Centipedes, Chiggers, Chinch Bugs, Crickets, Cutworms (including Black Cutworms), Earwigs, Fleas (including Cat fleas), Flies (including European crane flies, biting flies), Grasshoppers, Leafhoppers, Mealybugs, Millipedes, Mole crickets, , Sod Webworms (Lawn Moth), Sowbugs (Pillbugs), Spiders, Ticks (including Brown Dog Ticks) and Weevils (including Billbugs, Hyperodes, Annual Bluegrass Billbug).

*Aids in control.

Broadcast Treatment

Apply F6570 EW PRO as a broadcast treatment. Use application volumes of up to 10 gallons per 1000 square feet to get uniform coverage when treating dense grass foliage.

Dilute to a 0.04% concentration solution in water by adding 15 fluid ounces per gallon of water. Uniformly apply one gallon of 0.04% solution over a 1,000 square feet area by using any hand or power operated sprayer. Treat when insects first appear and retreat as necessary. Repeat application is necessary only if there are signs of renewed insect activity.

Lawn should not be longer than 3 inches at the time of application. Application in combination with compatible surfactants may enhance penetration. Arid climates generally require the higher volume. Use higher volume applications if the thatch layer is excessive or if a relatively long mowing height is being maintained.

For low volume applications (less than 2 gallons/1,000 square feet) immediate irrigation of treated area with at least 0.25 inches of water following application to ensure efficacy of sub-surface pests such as, but not limited to, Mole Crickets, is recommended.

Directions for Power Spray Use: Use 1 to 10 gallons per 1000 square feet to provide adequate and thorough coverage. Use higher volumes (up to 10 gallons) per 1000 square feet when, for example, applying in dense foliage for optimal penetration.

Ant Mound Treatment

To treat ant mounds including imported fire ant mounds, Dilute 0.8-1.3 (1) floz (1.6-2.6 tbs) (2 tablespoons) of F6570 EW PRO in 1-2gal water and apply to each mound area by sprinkling the mound until it is wet and treat a 4 foot diameter circle around the mound. Use the higher volume for mounds larger than 12". For best results, apply in cool weather, such as in early morning or late evening hours, but not in the heat of the day.

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ORNAMENTALS AND TREES

Use F6570 EW PRO to kill and control common pests found on ornamentals and ornamental trees (including but not limited to deciduous and evergreen trees, shrubs, ground covers, bedding plants, annuals, perennials, and foliage plants) such as of ants, (including cut ants), aphids, earwigs, sow bugs, millipedes, beetles, weevils, plant bugs, leaf-cutting bees, sawflies, caterpillars, and moths.

Apply 0.02% to 0.04% solution to point of run-off by brush or as a residual spray. Spray up to the point of run-off making sure to cover all sides of leaves and trunk. Retreat if pests return.

To prepare a 0.02% ready to use solution, dilute 7½ fluid ounces of this product per gallon of water. To prepare a 0.04% ready to use solution, dilute 15 fluid ounces of this product per gallon of water.

For ornamental apply 7.5 to 15 fluid oz. of F6570 EW PRO per 1,000 square feet. F6570 EW PRO may be diluted and applied in various volumes of water providing that the maximum label rate (15 fluid oz. per 1,000 square feet is not exceeded. F6570 EW PRO may be applied through low volume application equipment by dilution with water or other carriers and providing that the maximum label rate (15 fluid oz. per 1,000 square is not exceeded.

Apply the specified application rate as a full coverage foliar spray. Repeat treatment as necessary to achieve control using higher application rates as pest pressure & foliage area increases. Repeat application should be limited to no more than once per seven days.

Certain cultivars may be sensitive to the final spray solution. A small number of plants should be treated and observed for one week prior to application to the entire planting.

Use of an alternate class of chemistry in a treatment program is recommended to prevent or delay pest resistance

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Greenhouses, Interiorscapes & Indoor Plants

Use F6570 EW PRO, either alone or tank mixed with other products, including insect growth regulators, to control a wide spectrum of insects on ornamental trees, shrubs, foliage plants, non-bearing fruit and nut trees, and flowers in greenhouses and interiorscapes including hotels, shopping malls, office buildings, etc.

Ornamental and Greenhouse Application Rates

F6570 EW PRO may be applied at up to 15 fluid oz. per 1,000 square to control each of the pest listed in this Table. The higher application rates should be used when maximum residual control is desired.

Apply the specified rate as a full coverage foliar spray. Repeat as necessary to achieve control using higher rates as pest pressure and foliage increases.

Certain cultivars may be sensitive to the final spray solution. A small number of plants should be tested prior to application of the entire planting.

Use an alternate class of chemistry in the treatment program is recommended to prevent or delay resistance.

Pest
Bagworms ¹
Cutworms
Elm Leaf Beetles
Fall Webworms
Gypsy Moth Caterpillars
Lace Bugs
Leaf Feeding Caterpillars
Tent Caterpillars
Adelgids
Aphids
Bark beetles
Bees
Beet Armyworm
Beetles ²
Black Vine Weevil (Adults)
Borers
Boxelder bugs
Brown Soft Scales
Budworms
California Red Scale (Crawlers) ²
Carpenter Ants
Carpenter Bees
Centipedes
Cicadas
Citrus Thrips
Crickets
Diaprepes (Adults)
Earwigs
Flea Beetles
Fungus Gnats (Adults)
Grasshoppers
Gypsy Moth (adult and caterpillars)
Japanese Beetle (Adult) ¹
Leafhoppers
Leafrollers
Mealybugs
Millipedes
Mites
Orchid Weevil
Pillbugs
Pine Needle Scales (Crawlers) ²
Plant Bugs (Including Lygus spp.)
Psyllids
San Jose Scales (Crawlers) ²
Scorpions
Sowbugs
Spiders
Spittlebugs
Thrips
Tip Moths
Treehoppers
Twig Borers ²
Wasps
Weevils ²
Whiteflies
Ants
Imported Fire Ants
Leafminers
Pine Shoot Beetle (Adults)

¹ **Bagworms:** Apply when larvae begin to hatch and spray larvae directly. Applications when larvae are young will be most effective.

Beetles², Scale Crawlers, Twig Borers, and Weevils: Treat trunks, stems and twigs in addition to plant foliage.

F6570 EW PRO applications may be rotated with those of other products that have different modes of action in control programs that are designed to manage specific insect resistance. Consult your local Cooperative Extension Service for resistance management recommendations in your region.

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ATTENTION

- Do not use water base sprays of F6570 EW PRO in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.
- Keep people and pets off surfaces until dry.
- Protect aquariums from spray mist.
- For best results, thoroughly wash out sprayer and screen with water and detergent before using F6570 EW PRO.
- Do not use this product with oil
- Do not treat pets with this product.
- During any application to overhead interior areas of structure, cover surface below with plastic shielding or similar material.
- Do not use as a space spray.
- Use only in well ventilated areas.
- Do not apply in patient rooms while occupied or in any rooms while occupied by the elderly or infirm.
- Do not apply to classrooms when in use.
- Do not apply to institutions (including libraries, sports facilities, etc.) in the immediate area when occupants are present.
- Do not use in warehouses where raw or cured tobacco is stored.
- Do not use in warehouses while raw agricultural commodities for food or feed are being stored.
- Do not use in greenhouses where crops for food or feed are grown.
- Do not apply this product directly to soil in crawlspaces.

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