

# ZETA-CYP EW

## Insecticide

Only for Sale to, Use and Storage by Professional Pest Control Operators

EPA Reg. No. 279-3243

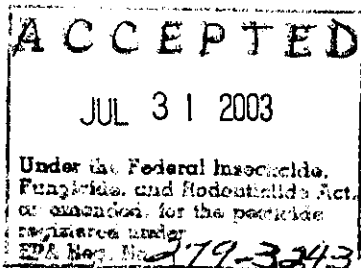
EPA Est. 279-

<b>Active Ingredient:</b>	<b>By Wt.</b>
Zeta-Cypermethrin*.....	17.1%
Other Ingredients:.....	82.9%
	100.0%

Zeta-Cyp contains 1.5 pounds active ingredient per gallon.  
\*Cis/trans ratio: Max. 55% (±) cis and min. 45% (±) trans  
U.S. Patent No. Pending

**KEEP OUT OF REACH OF CHILDREN  
WARNING**

See other panels for additional precautionary information.



FMC Corporation  
Agricultural Products Group  
Philadelphia PA 19103

FIRST AID	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
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).	

### PRECAUTIONARY STATEMENTS Hazards to Humans (and Domestic Animals)

**Warning**  
May be fatal if swallowed. Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes or clothing. The active ingredient may cause sensitization reaction in some individuals. Get medical attention if irritation persists.

**Personal Protective Equipment:**  
Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

**Handlers who may be exposed to the dilute through application or other tasks must wear:** Long-sleeved shirt and long pants, chemical-resistant gloves such as Barrier Laminate or Butyl Rubber, or Nitrile Rubber or Neoprene Rubber or Polyvinyl Chloride or Viton, and shoes plus socks.

**Handlers who may be exposed to the concentrate through mixing, loading, application or other tasks must wear:** Long-sleeved shirt and long pants, chemical-resistant gloves such as Barrier Laminate or Butyl Rubber, or Nitrile Rubber or Neoprene Rubber or Polyvinyl Chloride or Viton, shoes plus socks, and protective eyewear.

## Environmental Hazards

This product is extremely toxic to fish and aquatic invertebrates. 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 washwaters.

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.

## 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) 331-4848.

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.

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 aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or lawns and grounds.

For residual pest control in and on buildings and structures and their immediate surroundings and on modes of transport. Permitted areas of use include industrial buildings, houses, apartment buildings, laboratories, buses, greenhouses, and the nonfood/feed areas of stores, warehouses, vessels, railcars, trucks, trailers, aircraft (Do not use in aircraft cabins), schools, nursing homes, hospitals, restaurants, hotels, and food manufacturing, processing, and servicing establishments.

Zeta-Cyp Insecticide is to be diluted with water for spray or brush application. Fill sprayer with the desired volume of water and add Zeta-Cyp Insecticide. 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.

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Pests		Concentration of Active Ingredient	Dilution Rate
Ants	Flies	.05%	¼ fl.oz. per 1 gal. of water
Biting Flies			
Boxelder Bugs			
Chiggers	Millipedes		
Crickets	Pillbugs		
Earwigs	Silverfish		
Elm Leaf Beetles	Sowbugs		
Firebrats			

## INDOOR USE

**Crickets, Firebrats, Silverfish:** 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.

**Ants:** Apply to any trails, around doors and windows and other places where ants may be found. Refer to BARRIER TREATMENT directions to prevent infestation; also see OUTDOOR USE.

**Boxelder Bugs, Earwigs, Elm Leaf Beetles, Millipedes, Pillbugs, and Sowbugs:** 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. Refer to BARRIER TREATMENT directions to prevent infestation; also see OUTDOOR USE.

**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; also see OUTDOOR USE

**Food Handling Establishments:** Places other than private residences in which food is held, processed, prepared or served.

**Nonfood Areas:** Includes garbage rooms, lavatories, floor drains, (to sewers) entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage (after canning or bottling). Zeta-Cyp insecticide may be used as a general spot, crack and crevice treatment in nonfood areas. All areas where insects hide or through which insects may enter should be treated.

**Food Areas:** Do not use in food/feed areas of food handling establishments, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food/feed is exposed or facility is in operation. Serving areas are areas where prepared foods are served such as dining rooms, but excluding areas where foods may be prepared or held. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food/feed should be covered or removed. Not for use in USDA meat and poultry plants.

Examples of food areas are areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage, and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas (when food is exposed and facility is in operation) also would be considered a food area.

# OUTDOOR USE - Pest Control on Outside Surfaces and Around Buildings

For control of ants, biting flies, boxelder bugs, chiggers, crickets, earwigs, elm leaf beetles, firebrats, flies, millipedes, pillbugs, silverfish, and sowbugs. Apply 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, refuse dumps, garages and in other areas where pests are found.

**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.

Pest	Specific Instructions																		
Ants Ant Mounds <sup>1,4</sup> Armyworm <sup>4</sup> Bark Beetles <sup>3</sup> Borers <sup>3</sup> Boxelder Bugs <sup>2</sup> Carpenter Ants Carpenter Bees Chinchbugs <sup>4</sup> Crickets Earwigs Elm Leaf Beetles <sup>2</sup> Firebrats Flies Ground Beetles Gypsy Moths (adult & Caterpillars) <sup>2,4</sup> Millipedes Mole Crickets <sup>4</sup> Pillbugs <sup>4</sup> Silverfish Sod Webworms <sup>4</sup> Sowbugs	<p>Apply as a pinstream, as a fine/coarse, low-pressure spray, as a spot treatment or with a paintbrush. Treat where pests are found or at entry points of the structure such as window and door frames and along the foundation.</p> <p><sup>1</sup>Drench Method: Apply 1 to 2 gallons of emulsion 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 inches. For best results, apply in cool weather, such as in early morning or late evening hours, but not in the heat of the day.</p> <p><sup>2</sup>Boxelder Bugs, Elm Leaf Beetles, Gypsy Moth Caterpillars: Spray tree trunks, building siding or wherever pests congregate, to the point of runoff.</p> <p><sup>3</sup>Borers and Bark Beetles: To prevent infestation of trees and woody ornamentals, spray the bark to the point of runoff.</p> <p><sup>4</sup>For residential lawns, apply this product at the rate of 0.22 to 0.43 fl oz per 1,000 sq ft in a volume of water sufficient for uniform coverage such as 3 to 20 gallons. Use the lower rate to knock down and the higher rate where faster knockdown or greater residual is desired. For example, refer to table below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Lawn</th> <th>Sq Ft</th> <th>Oz of Zeta-CYP</th> <th>Gals. of Water</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Small</td> <td>2,000</td> <td>0.43 to 0.83</td> <td>8 to 50</td> </tr> <tr> <td>4,000</td> <td>0.83 to 1.66</td> <td>16 to 100</td> </tr> <tr> <td rowspan="2">Medium</td> <td>6,000</td> <td>1.3 to 2.5</td> <td>24 to 150</td> </tr> <tr> <td>12,000</td> <td>2.6 to 5</td> <td>48 to 300</td> </tr> </tbody> </table> <p>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.</p> <p>Do not apply more than one pound active ingredient per acre per year.</p>	Lawn	Sq Ft	Oz of Zeta-CYP	Gals. of Water	Small	2,000	0.43 to 0.83	8 to 50	4,000	0.83 to 1.66	16 to 100	Medium	6,000	1.3 to 2.5	24 to 150	12,000	2.6 to 5	48 to 300
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**Directions for Power Spray Use:** Dilute 1¼ to 4¼ fl oz of Zeta-Cyp Insecticide per 50 gallons of water. 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.

**WARNING:** Do not use water base sprays of Zeta-Cyp in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

- Do not apply this product to edible crops.
- 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 Zeta-Cyp insecticide.
- 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 to soil in crawlspace.

**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.**

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