

PM 03

618-97

3/19/97

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Best Available Image

Restricted Use Pesticide

Toxic to Fish, Mammals, 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.

Zephyr[®] 0.15 EC

miticide/insecticide

ACTIVE INGREDIENT
Abamectin (A mixture of avermectin containing ≥ 80% avermectin B_{1a} (5-O-demethyl avermectin A_{1a}) and ≤ 20% avermectin B_{1b} (5-O-demethyl-25-de (1-oxoethyl)oxy)-25-(1-methylethyl) avermectin A_{1b}) 1.9%
INERT INGREDIENTS 98.1%
*1 gallon contains 0.15 pound abamectin

KEEP OUT OF REACH OF CHILDREN

WARNING • AVISO

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a fondo en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See Back Label for Additional Precautionary Statements and Statement of Practical Treatment.

EPA EST. NO. 39578-TX-1
EPA REG. NO. 618-97



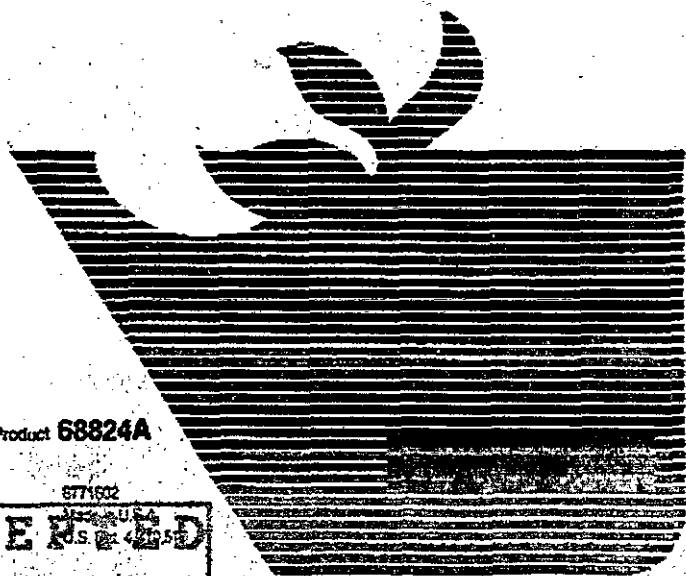
Product 68824A

Merck & Co., Inc.
Kenilworth, New Jersey 07033-0512, U.S.A.

ZEPHYR REG TM MERCK & CO., INC.

FOR LOT NUMBER SEE BOTTOM OF BOTTLE

ACCERTED
MAR 19 1997
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 618-97



ZEPHYR® 0.15 EC

Product 68824A

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING**

Caused substantial but temporary eye injury. Do not get in eyes or on clothing. Prolonged or frequently repeated exposure may cause allergic skin reactions in some individuals. Harmful if inhaled or absorbed through the skin. Do not breathe spray mist. May be fatal if swallowed. Avoid contact with skin. Personal Protective Equipment (PPE). Some materials that are chemical-resistant to this product are listed below. If you want more options follow the instructions for category B on an EPA chemical-resistance category selection chart. Applicators and other handlers must wear coveralls with long sleeves and pants and short pants, chemical-resistant gloves (such as nitrile, neoprene or butyl rubber), chemical-resistant footwear plus socks and protective eyewear. Wear chemical-resistant headgear for overhead exposure. Wear chemical-resistant apron when cleaning equipment, mixing, or loading. 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 washable use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:
Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothes immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

STATEMENT OF PRACTICAL TREATMENT
If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
If swallowed: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by gently touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.
If on skin: Remove contaminated clothing and wash affected areas with soap and water. Get medical attention if irritation persists.
If in eyes: Flush eyes with plenty of water. Call a physician immediately.
Recommendations for Medical Treatment for Absorption Acute Toxicity:
Early signs of intoxication include mydriasis (dilated pupils), ataxia (unsteadiness) and muscle tremors. Toxicity following accidental ingestion of the concentrate can be minimized by inducing vomiting within one half hour of exposure.
If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalances should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels) as indicated by clinical signs, symptoms and measurements.
In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Some abatement is believed to enhance GABA activity in animals. It is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic acetylcholinesterase exposure.
For 24-hour emergency information, call (800) 750-2380.

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish and wildlife. 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 target areas. Do not contaminate water when disposing of equipment, wash water, or rinsate.
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 or weeds if bees are visiting the treatment area.

PHYSICAL/CHEMICAL HAZARDS
Do not use or store near heat or open flame.

DIRECTIONS FOR USE
It is a violation of Federal (U.S.A.) 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 pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses 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: 4. coveralls over short-sleeved shirt and short pants, chemical-resistant gloves (such as nitrile, neoprene or butyl rubber), chemical-resistant footwear plus socks, protective eyewear, and chemical-resistant headgear for overhead exposure.

COTTON: ZEPHYR® 0.15 EC is an emulsifiable concentrate containing 0.15 lb abamectin per gallon which, when mixed with water according to the Directions for Use, will control Spider mites (two-spotted, tarsonemid, Pacific and Strawberry) on cotton.

For control of spider mites on cotton, mix with water and apply at the rates given in the following table.

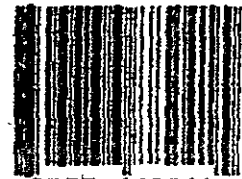
| Spider Mites | Field Quinces Per Acre | |
|--------------------|------------------------|--------------|
| | Mid season/Late-by | Early Season |
| Two-spotted | 8-16 | 4-8 |
| Carmine | | |
| Pacific Strawberry | | |

Use 8-16 fl oz ZEPHYR per acre depending on size of the plant and density of the foliage. Apply with ground sprayers or aerially by fixed-wing aircraft or helicopter in a minimum of 3 gallons of water per acre to provide thorough coverage. Begin application when mites are first noticed and repeat if necessary.
For use on early season cotton, apply when cotton is under 10 inches in height. Apply at a rate of 4-8 fl oz ZEPHYR per acre by ground equipment only.

- USE RESTRICTIONS**
- Do not apply more than 32 fl oz or more than two applications of ZEPHYR per acre in any growing season.
 - Do not apply within 21 days of last treatment.
 - Do not apply this product east of the Mississippi River.
 - Do not apply within 20 days of harvest.
 - Do not graze or feed cotton foliage.
 - Do not apply this product through any type of irrigation system.

STORAGE AND DISPOSAL
Storage: Store in a tightly closed container in a cool, dry place.
Precautions: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.
Pesticide Disposal: Pesticide spray mixture of finite size that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies. Improper disposal of excess pesticide spray mixture or residue is a violation of Federal (U.S.A.) law. If these wastes cannot be disposed of by the user according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
Container Disposal: Triple rinse (or equivalent) and dispose in an incinerator or landfill approved for pesticide containers.

CONDITIONS OF SALE AND WARRANTY
Notice of Warranty: The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of MERCK or the Seller. Treatment may not be effective if tolerant strains of spider mites develop. Use of alternate treatments should be considered if treatment with ZEPHYR proves ineffective. All such risks of use shall be assumed by the buyer.
MERCK warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes related to in the Directions for Use subject to the inherent risks referred to above. Buyer assumes all risks of use or handling which are at variance in any way with the directions hereon. Buyer's exclusive remedy shall be refund or replacement of any product found by MERCK to be defective. MERCK makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall MERCK or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product, regardless of the legal theory asserted, including negligence and/or strict liability. MERCK and the Seller offer this product and the buyer and user accept it, subject to the foregoing Notice of Warranty which may be varied only by agreement in writing signed by a duly authorized representative of MERCK.



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