

**Restricted Use Pesticide**

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

# Acaraben<sup>®</sup>

## 4E

100-458

### Miticide

For control of mites on citrus

Active Ingredients:  
Ethyl 4,4'-dichloro-  
benzilate ..... 45.5°  
Petroleum  
distillate ..... 48.5°  
Inert Ingredients: 6.0°  
Total: 100.0°

Acaraben 4E contains 4 lbs. chlorobenzilate per gal.

Keep Out of Reach of Children.

### Warning

See additional precautionary statements left of container seam.

### Five Gallons

U.S. Standard Measure

EPA Reg. No. 100-458  
EPA Est. 100-AL-1

Control No.

See directions for use on panel at right.

# CIBA-GEIGY

## DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

**IMPORTANT:** Read the entire **Directions for Use** and the **Conditions of Sale and Warranty** before using this product.

### Conditions of Sale and 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 CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

CIBA-GEIGY warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use** subject to the inherent risks referred to above. **CIBA-GEIGY makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CIBA-GEIGY or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** CIBA-GEIGY and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing **Conditions of Sale and Warranty**, which may be varied only by agreement in writing signed by a duly authorized representative of CIBA-GEIGY.

### General Information

Acaraben 4E miticide is an emulsifiable solution intended for application after dilution with water. The rates below are for

1.25-2.50 pt. per 100 gals. of water, unless otherwise stated. In general, application should be made when mites first appear. For severe infestations, or if conditions are favorable for mite buildup, repeated applications will be necessary. Do not use with highly alkaline materials such as lime.

### Directions for Use

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

For use only in Arizona, California, Florida, and Texas.

#### Grapefruit, Oranges, Lemons, Limes, Tangelos, Tangerines, Kumquats

**Citrus Rust Mites:** Apply 1 1/2 pt. per 100 gals. of water, or 5 pts. per acre in sufficient water to assure thorough coverage when mites first appear. For severe infestations, or if conditions are favorable for mite buildup, repeated applications will be necessary.

**Aerial Applications:** Apply 1 1/2 pts. in 10 gals. of water per acre as a supplemental treatment.

**Flat Mites, Sixspotted Mites, Texas Citrus Mites:** Apply 1/2 pt. per 100 gals. of water, or apply 5 pts. per acre in sufficient water to assure thorough coverage.

**Citrus Red Mites, Purple Mites:** Apply 1/2 pt. per 100 gals. of water, or apply 5 pts. per acre in sufficient water to assure thorough coverage for quick cleanup of this pest. For seasonal control, either repeated applications or use in combination with other miticides will be required.

**Citrus Bud Mites, Pacific Spider Mites, Yuma Spider Mites:** Apply 1/2-3/4 pt. per 100 gals. of water, or apply 5-7 1/2 pts. per acre in sufficient water to assure thorough coverage.

### **Required Clothing and Equipment for Application**

One-piece overalls which include long sleeves and long pants constructed of finely woven fabric as specified in the USDA-EPA Guide for Commercial Applicators.

Wide-brimmed hat

Heavy-duty fabric work gloves

Any article which has been worn while applying chlorobenzilate must be cleaned before reusing. Clothing which has been drenched or has otherwise absorbed concentrated pesticide must be buried or burned.

Facepiece respirator of the type approved for pesticide spray applications by the National Institute for Occupational Safety and Health.

Instead of clothing and equipment specified above, the applicator can use an enclosed tractor cab which provides a filtered air supply (as described by Taschenberg and Bourke, 1975), and which allows no more than 0.41 mg/day total exposure to chlorobenzilate.

Aerial Applicators. Aerial application may be conducted without the specified clothing and equipment.

### **Handling Precautions**

Heavy-duty rubber or neoprene gloves and apron must be worn during loading, unloading, and equipment cleanup.

### **Storage and Disposal**

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide, spray mixture, or rinsate 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. Triple rinse (or equivalent) and offer for recycling, reconditioning, or disposal in an approved landfill or bury in a safe place. Consult federal, state, or local disposal authorities for approved alternative procedures.

## **Precautionary Statements**

### **Hazards to Humans and Domestic Animals**

#### **WARNING**

#### **General Precautions**

Take special care to avoid getting chlorobenzilate in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. If chlorobenzilate gets on clothing, remove contaminated clothing and wash affected parts of body with soap and water. If extent of contamination is unknown, bathe entire body thoroughly. Change to clean clothing. Wash hands with soap and water each time before eating, drinking, or smoking. At the end of each work day, bathe entire body with soap and plenty of water. Wear clean clothes each day and launder before reusing.

**First Aid:** If swallowed, call a physician immediately. Avoid alcohol. Do not induce vomiting.

Do not give anything by mouth to an unconscious person. Get medical attention. In case of contact with skin, wash as soon as possible with plenty of soap and water. If in eyes, flush with water for 15 minutes.

#### **Environmental Hazards**

This product is toxic to fish, crabs, and shrimp. Use with care when applying in areas adjacent to any body of water. Keep out of lakes, streams, ponds, tidal marshes, and estuaries.

#### **Physical or Chemical Hazards**

Flammable Mixture: Keep away from heat or open flame. Store at temperatures above 32 F.

Acaraben<sup>®</sup> trademark of CIBA-GEIGY for chlorobenzilate

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