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**RESTRICTED USE PESTICIDE**  
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:

JUN 20 1988

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 100-668

# Swat<sup>TM</sup>

## Insecticide-Miticide

For Control of Insects and Mites in Cotton, Melons, Vegetables, Fruits, and Walnuts

	By Wt.
Active Ingredients .....	78.0%
*Phosphamidon .....	75.5%
Related Compounds .....	2.5%
<hr/>	
Inert Ingredients:	22.0%
Total:	100.0%

\*2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate

Contains 8 lbs. Phosphamidon insecticide per gallon. U.S. Patent No. 2,908,605. SWAT is a liquid systemic insecticide for the control of both sucking and chewing insects. It may be applied as a dilute spray or as a concentrate spray.

EPA Reg. No. 100-668  
EPA Est. 100-

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**Gallons**  
U.S. Standard Measure

**Keep Out of Reach of Children.**  
**DANGER/PELIGRO**

 **POISON** 

**PRECAUCIÓN AL USUARIO:** Si usted no lee inglés, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person. Have victim lie down and keep quiet.

**IF INHALED:** Remove victim to fresh air. Apply artificial respiration if indicated. Get medical attention.

**IF IN EYES:** Immediately flush eyes with plenty of clear water. Get medical attention if irritation persists.

**IF ON SKIN:** Remove contaminated clothing and immediately wash skin with soap and water.

**Note to Physician:** Atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with Atropine.

**DO NOT STORE OR USE AROUND THE HOME**  
**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONS**

**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.

## DIRECTIONS FOR USE

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

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR PERFORMANCE, AND/OR ILLEGAL RESIDUES.**

### Reentry Statement

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written and oral warnings must include the following information: DANGER - Area treated with Swat on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, follow instructions under Statement of Practical Treatment section.

### General Information

Swat is a liquid systemic insecticide-fungicide.

**Caution:** Do not apply this product through any type of irrigation system.

To avoid spray drift, do not apply under windy conditions. Avoid spray overlap since illegal residues or crop injury may occur.

Do not use on maple trees, peaches, plums or sweet cherries as injury may occur. Avoid drift to these.

USE DESIGNATED AMOUNT OF PRODUCT IN THE FOLLOWING GALLONS WATER PER ACRE UNLESS OTHERWISE NOTED

**GROUND APPLICATION** - Vegetable and Field Crops - 20 to 250 gals. Deciduous Fruit Crops - 40 to 800 gals. Citrus (Conventional Type Sprayers) - 100 to 3,000 gals. (On Young Fruit Plantings - Use a minimum of 20 gals. water per acre.)

Where Recommended for Air Application - Field Crops - 5 to 10 gals. Small Fruits - 7 to 20 gals. Citrus (mature) - 10 to 20 gals. Tree Crops (Mature) - 10 to 20 gals.

Apples: Early Delayed Dormant Only - Green and Rosy Apple Aphids, European Red Mite, San Jose Scale, Fruit Tree Leaf-roller - 1/4 pt. plus 2 gals. of a heavy sec. oil (1/2 gals. of a very heavy 140 sec. oil in Western States) per 100 gals. water as full coverage sprays. Do not combine oil sprays with Sulfur, Captan or Chiplet.

Pre-Blossom and Post-Blossom First Brood Cover Sprays - First Brood Codling Moth, Leafhoppers, Green and Rosy Apple Aphids, Leaf Miners - 1/4 pt. per 100 gals. water Repeat at 7 to 10 day intervals (14 to 21 day intervals in the West)

Repeat Application to Prevent Aphid Buildup - 1/4 pt. per 100 gals. water. Do not use Phosphamidon on Apples within 30 days of harvest.

Broccoli, Cauliflower: Aphids, Imported Cabbageworm - 1/2 to 1 pint in water to cover one acre. Apply every 10 to 14 days in a preventative program for aphid control. Do not apply within 3 days of harvest.

Cantaloupes, Watermelon: Aphids, Leaf Miner, Leafhopper - 1/4 to 1/2 pt. per acre in water to cover. Do not apply within 3 days of harvest.

Cotton: Early Season (2 through 10 leaf stage) - For the control of aphids, thrips (excluding Western flower thrips), and leafhoppers, apply 2 or 3 applications of 3 fluid ounces per acre with ground equipment. Spray directly on young plants in sufficient water to completely cover, beginning when insects first appear.

Mid and Late Season. For the control of yellow plant bugs, and leafhoppers, apply 8 fluid ounces per acre. For aphid control, apply 3 to 4 fluid ounces per acre. Use the higher rate when infestation is heavy. Applications may be made by ground in a minimum of 5 gallons of water per acre, or by air in a minimum of 1 gallon of water per acre. Begin application when insects appear, and repeat as necessary. Do not apply within 2 weeks of harvest.

Cucumbers: Aphids, Leaf Miner, Leafhopper - 1/4 to 1/2 pt. per acre in water to cover. Do not apply within 3 days of harvest.

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Tangerines (California and Arizona Only) Oranges, Grapefruit, Lemons: Aphids, Thrips - 1/4 to 1/2 pt. per 100 gals. water (Ground Application) - 1/4 to 2 1/2 pts. per acre in water to cover; Air Application - 1/2 to 1/4 pt. per acre in water to cover. Repeat as necessary. Apply during periods of aphid attack on new flush growth. Do not apply within 15 days of harvest.

Peppers: Aphids, Leaf Miners, White Fly - 1/2 pt. per acre in water to cover when insects appear. European Corn Borer - 1 pt. per acre in water to cover when Corn Borer infestation is expected. Do not apply within 6 days of harvest.

Potatoes: Aphids, Colorado Potato Beetles, Leafhoppers, Leaf Miner, Flea Beetles, Stinkbugs - 1/2 pint per acre in water to cover. Repeat as necessary. Tuber Worm - 1/2 to 1 pts. per acre in water to cover by ground (10 gals. by air). Apply prior to rows closing or at first sign of leaf mining. Repeat every 10 to 12 days. Do not apply within 7 days of harvest.

Tomatoes: Aphids, Colorado Potato Beetles, Leaf Miner, White Fly, Flea Beetles, Stinkbugs - 1/2 pt. per acre in water to cover. Repeat as necessary. Do not apply within 10 days of harvest.

Walnuts: Aphids, Codling Moth - 1 pt. per acre (Ground - 400 gals. water; Air - 10 to 20 gals. water). Walnut Husk Fly - 1 pt. per acre (Ground - 200 to 300 gals. water; Air - 10 to 20 gals. water), applying after egg slings first occur in the husks. Do not use within 7 days of harvest.

### Endangered Species Restrictions

The following restrictions apply to use of this product after February 1, 1988.

Before using this pesticide on cotton in the counties listed below, you must obtain the PESTICIDE USE BULLETIN FOR PROTECTION OF ENDANGERED SPECIES for the county in which the product is to be used. The bulletin is available from your County Extension Agent, State Fish and Game Office, or your pesticide dealer. Use of this product in a manner inconsistent with the PESTICIDE USE BULLETIN FOR PROTECTION OF ENDANGERED SPECIES is a violation of Federal laws.

ALABAMA: Colbert, Greene, Jackson, Lamar, Lauderdale, Limestone, Madison, Marshall, Morgan, Pickens, and Sumter

ARKANSAS: Clay, Clark, Cross, Lawrence, Lee, Poinsett, Randolph, Sharp, and St. Francis

CALIFORNIA: Butte, Colusa, Glenn, Kern, Merced, Sacramento, Solano, Sutter, Tehama, and Yolo

FLORIDA: Broward, Dade, Glades, and Palm Beach

KENTUCKY: Ballard, Butler, Edmundson, Green, Hart, Jackson, Laurel, Livingston, Marshall, McCracken, McCreary, Pulaski, Rockcastle, Taylor, Warren, and Wayne

MISSISSIPPI: Itawamba, Lowndes, Monroe, and Noxubee

NORTH CAROLINA: Edgecombe, Nash, and Pitt

TENNESSEE: Bedford, Buntin, Claiborne, Decatur, Franklin, Hancock, Hardin, Hickman, Knox, Lincoln, Loudon, Marshall, Maury, Meigs, Monroe, Rhea, Roane, Scott, Sequatchie, Smith, Sullivan, and Wayne

VIRGINIA: Lee, Russell, Scott, Smyth, Tazewell, Washington, and Wise

### Storage and Disposal

Flammable. Keep away from heat, open flame, sparks, or hot surfaces. Keep container closed. Store in a cool, dry place. (For more information, see Physical and Chemical Hazards section)

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. 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 at the nearest EPA Regional Office for guidance.

**Container Disposal:** 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.

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## PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

### DANGER

Poisonous if swallowed, inhaled or absorbed through skin. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11. Rapidly absorbed through the skin. Causes eye irritation. Do not get in eyes, on skin or clothing. Wear natural rubber gloves, protective clothing and goggles. Wash hands, arms and face thoroughly with soap and water before eating or smoking. Wash all contaminated clothing with soap and water before reuse. Do not contaminate food or feed. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Do not apply directly to water. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label. This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

### PHYSICAL AND CHEMICAL HAZARDS

Flammable. Keep away from heat, open flame, sparks, or hot surfaces. Use only in well-ventilated area. Keep container closed. Clean up spills immediately. This product presents a fire hazard. Liquid quickly evaporates and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment and electrical motors and switches. Fire hazard is greater as liquid temperatures rise above 76°

Do not heat the container. Replace the cap or bung. Emptied container still contains hazardous or explosive vapor or liquid.

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