

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

(DRAFT FULL LABEL)  
(Registration Standard Revisions)

SEP 19 1989

**Restricted Use Pesticide**  
Due to acute dermal toxicity to humans and residue effects on avian and mammalian species. 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.

Under the Federal Insecticide, Fungicide, and Rodenticide Act  
100-668

**SWAT™**  
**Insecticide-Miticide**  
For Control of Insects and Mites  
in Cotton, Potatoes, Apples and Walnuts

	<u>By Wt.</u>
Active Ingredients .....	82.8%
Phosphamidon: 2-Chloro-2-diethyl- carbamoyl-1-methylvinyl dimethyl phosphate .....	79.2%
Related Compounds .....	3.6%
Inert Ingredients .....	<u>17.2%</u>
Total:	100.0%

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

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.

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO

Skull &  
Crossbones

POISON

Skull &  
Crossbones

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado completamente.

DO NOT STORE OR USE AROUND THE HOME

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONS

         Gallons  
U.S. Standard Measure

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.

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Conditions of Sale and Warranty

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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

Reentry into treated areas is prohibited for 48 hours after the end of application, unless the protective clothing specified on this label for early reentry is worn.

### Protective Clothing for Early Reentry

For early reentry into treated areas: Use protective suit of one or two pieces covering all parts of the body except head, hands, and feet; chemical-resistant gloves; chemical-resistant shoes (or chemical-resistant shoe coverings or chemical-resistant boots.)

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.

### Protective Clothing, Equipment and Work Safety Statements

Use only when wearing the following protective clothing and equipment during mixing/loading, application, disposal of the pesticide, and early reentry into treated areas: Protective suit of one or two pieces covering all parts of the body except head, hands, and feet; chemical-resistant gloves; chemical-resistant boots). In addition, mixer/loaders must wear a chemical-resistant apron. During equipment repair and cleaning, the protective suit need not be worn. If overhead exposure is likely, such as when flagging during aerial application, a hood or wide-brimmed hat must be worn.

If application is performed using an enclosed cab or cockpit, the following protective clothing and equipment may be worn as an alternative: Long-sleeved shirt and longlegged pants; shoes and socks. Chemical-resistant gloves must be available in the cab or cockpit and must be worn during entry to and exit from the application vehicle. All other protective clothing and equipment required for use during application must be available

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in the cab and must be worn when exiting the cab into treated areas. When used for this purpose, contaminated clothing may not be brought back into the cab unless in an enclosure such as a plastic bag.

**IMPORTANT:** If pesticide comes in contact with skin, wash off with soap and water. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting.

**AFTER WORK:** Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Wear only clean clothes when leaving job -- do not wear contaminated clothing. Personal and protective clothing worn during work must be laundered separately from household articles. Store protective clothing separately from personal clothing. Clean or launder protective clothing after each use. Protective clothing and equipment that becomes heavily contaminated or drenched must be destroyed according to State and local regulations. Heavily contaminated or drenched clothing cannot be decontaminated.

#### General Information

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Swat is a liquid systemic insecticide-miticicide.

**Chemigation:** 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.

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

GROUND APPLICATION - Potatoes and Cotton - 20 to 250 gals.  
Apples and Walnuts - 40 to 800 gals. (On Young Fruit Plantings - Use a minimum of 20 gals. water per acre.)

Where Recommended for Air Application - Cotton and Potatoes - 5 to 20 gals. Apples and Walnuts (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 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 Folpet.

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 - 1/6 pt. per 100 gals. water. Do not use Phosphamidon on Apples within 30 days of harvest.

Cotton: Early Season (2 through 10 leaf stage) - For the control of aphids, thrips (excluding Western flower thrips), and fleahoppers, 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 lygus (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 as insects appear, and repeat as necessary. Do not apply within 2 weeks 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.

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 stings first occur in the husks. Do not use within 7 days of harvest.

#### 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.

For minor spills, leaks, etc. follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire or other emergency, call (919) 292-7100 day or night.

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**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals  
DANGER**

Fatal if swallowed. Causes substantial but temporary eye injury. May be fatal if inhaled and harmful if absorbed through skin. Do not get in eyes or on clothing. Do not breathe vapor or spray mist. Avoid contact with skin. Wear goggles or face shield. Wear a mask or pesticide respirator jointly approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

**STATEMENT OF PRACTICAL TREATMENT**

- If swallowed: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. If not breathing, give artificial respiration, preferably by mechanical means. Avoid mouth-to-mouth resuscitation. Do not induce vomiting or give anything by mouth to an unconscious person.
- If in eyes: Hold eyelids open and flush with a steady, gentle stream of water. Get medical attention.
- If inhaled: Remove victim to fresh air. Give artificial respiration if necessary, preferably by mechanical means. Get medical attention.
- If on skin: Wash with plenty of soap and water. Get medical attention.

**Notes to Physician**

If symptoms of cholinergic poisoning occur, atropine sulfate and 2-PAM are specific antidotes. Do not give morphine, theophylline, aminophylline, phenothiazines, reserpine, furosemide or ethacrynic acid. Administer i.v. fluids cautiously if necessary to correct dehydration.

Continued



**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to aquatic invertebrates and wildlife. Do not apply directly to water or wetlands (including swamps, marshes, bogs, and potholes). Runoff and drift from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not contaminate water by cleaning of equipment or disposal of wastes.

This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this pesticide or allow it to drift to blooming crops or weeds if bees are visiting the treatment areas.

**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.

**DO NOT STORE OR USE AROUND THE HOME.**

Container Disposal: 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.

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Agricultural Division  
CIBA-GEIGY Corporation  
Greensboro, NC 27419

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(LABELS-S.) - SWAT/F1)

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