

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE
	499-276	3/30/90
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGERISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT	

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

[Faint text, mostly illegible]

$\frac{176}{38}$ $\frac{236, 567}{1}$
 $\frac{176}{18}$ $\frac{201, 071}{1}$

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

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Take the following changes listed below before you release the product to the public:

- All the label have "EPA Registration No. 499-276."
- If a label is used, as indicated in the phone conversation on March 29, 1990 with a member of my staff that the subject product is not to be used only for use in commercial greenhouses. Therefore, the label must be revised at least as follows:
 - Change the label to read "for use in greenhouses to control 'Insecticide-resistant mites' whenever it appears on the label.
 - Change the label to read "for use in floral shops, nurseries, and other indoor greenhouses."

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<input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE	
SIGNATURE OF APPROVING OFFICIAL	DATE

2-5-7

- o Qualify the designation, "For use indoors --" to read "For use indoors in commercial greenhouses --".
- c. In light of the 24 hour reentry interval, correct the "--2-4 hours --" in the statement "Keep greenhouse closed 2-4 hours, --" to "-- 24 hours --".

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

4. Submit your acute inhalation study for the subject product within 9 months of the date of this Registration Notice. Please refer to the enclosed Standard Evaluation Procedure for Inhalation Toxicity Testing.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.



William H. Miller
Product Manager (16)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosures

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ACCEPTED
with COMMENTS
11/16/88 in EPA Letter Dated:

MAR 30 1990

Whitmire
Mesurol
PT 1700
Total Release Insecticide
Aerosol Generator

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

499-276

For Use In: Floral Shops, Garden Centers, Greenhouses, Hobby Greenhouses

Kills: Aphids, Centipedes, Fall Webworms, Scales, Slugs, Snails, Sowbugs, Spider
Mites, Pillbugs, Moths, and Whiteflies.

ACTIVE INGREDIENTS:

Methiocarb [3,5-Dimethyl-4-(methylthio)phenol methylcarbamate] 1.0%

INERT INGREDIENTS: 99.0%

EPA Reg. No. 499-XXX

EPA Est. No. 499-MO-1

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Gastric
lavage may be indicated if material was taken internally. DO NOT INDUCE VOMITING:
vomiting may cause aspiration pneumonia.

IF IN EYES: Flush with plenty of water. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove patient to fresh air. Apply artificial respiration if
breathing has stopped.

NOTE TO PHYSICIAN: If symptoms of cholinesterase inhibition are present, atropine
sulfate is antidotal.

See side panel for additional precautionary statements.

Net Wt. 1 lb.

Side Panel:

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PT 1700 Mesurol
Total Release Insecticide Aerosol Generator

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

DANGER

Hazards to Human and Domestic Animals: Corrosive, causes eye damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield or safety glasses when handling. In case of eye contact seek medical attention. For skin contact flush with plenty of water. If irritation persists seek medical attention. Harmful if swallowed. Avoid breathing mist. Do not remain in treated area and ventilate area after treatment is complete.

REENTRY STATEMENT: Do not enter treated areas for 24 hours after application unless protective clothing is worn (long sleeve shirt, long pants, shoes, socks, chemical resistant gloves).

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

PHYSICAL OR CHEMICAL HAZARDS: Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

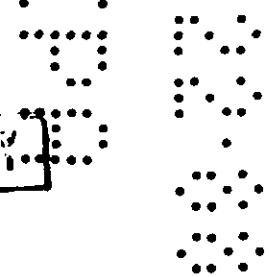
SPECIAL NOTE: Good greenhouse management must overrule the use of PT 1700 when any conditions might be created by tightly closing greenhouses that would harm plant foliage or flowers. Example: Creation of high temperatures or humidity conditions. Do not use PT 1700 in greenhouses with unvented or defective gas heating systems or when open combustion exists.

ADDITIONAL PRECAUTIONS: Contents of container must be at room temperature before use. Therefore, cans must be stored at room temperature (above 65°F) for 24 hours before application. Make sure spray is unobstructed above units by foliage or other physical objects in order to obtain maximum distribution of fog.

This product has been tested on a wide variety of plants and in our opinion has demonstrated excellent plant safety. However, not all varieties or strains of the plants listed have been tested. Unintentional consequences such as crop injury or ineffectiveness may result because of certain environmental or growing conditions, manner of use or application, and insect resistance. Therefore, before treating a large number of plants, spray a few plants and observe for plant damage and for performance prior to full scale application. All risks shall be assumed by the user.

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Side Panel (cont.)

LIMITATION OF LIABILITY

Manufacturer warrants that this product conforms to the chemical description on the label. Buyer assumes all risks of use in handling which are at variance in any way with the directions on the label. MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL MANUFACTURER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. DAMAGES CAUSED BY THIS PRODUCT ARE LIMITED TO REPLACEMENT OF THE PRODUCT OR RETURN OF THE PURCHASE PRICE.

DIRECTIONS FOR USE

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

For Use Indoors (Ornamental Plants and Flowering Plants)

Greenhouse Preapplication Directions: For best results, apply during early evening when foliage is dry and temperature is between 60°-80°F. Shut off all exhaust fans and close all windows, doors and ventilators. Keep greenhouse closed 2-4 hours, preferably overnight following treatment. All human occupants and pets should be removed before treatment. Building should be ventilated before reentry.

TOTAL RELEASE DIRECTIONS

One 1 lb. unit covers 3,000 square feet. For green peach aphids use one can per 1,500 square feet. Refer to Supplemental Label for total release application for the 1 lb. size.

FOR USE INDOORS ON, BUT NOT LIMITED TO: Ageratum, Air Plant, Airplane, Aloes, Anthony Wanderer, Arborvitae, Asparagus Fern, Aster, Azalea, Begonia, Bird of Paradise, Bloodleaf, Boston Fern, Cacti, Calendulas, Carnation, Cereus, Chicken Gizzard, Christmas Cactus, Crassula, Chrysanthemum, Chlorophytum, Coleus, Columbine, Croton, Crown of Thorns, Cutleaf Philodendron, Devil's Ivy, Dieffenbachia, Dusty Miller (Centaurea gymnocarpa), Euonymus Gardenia, Geranium, German Ivy, Grapeleaf Ivy, Hibiscus, Holly, Impatiens, Jade Plant, Moses in the Cradle, Mosshoses, Ornamental peppers, Orchid, Pansy, Peperonia (variegated), Peperomia, Petunias, Philodendron, Poinsettia, Polka Dot Plant, Pyracantha, Sanseveria, Santolina, Shefflera, Shrimp Plant, Snowball, Snapdragon, Spider Plant (Chlorophytum comosum), Sprengeri Asparagus, Spirea, Velvetleaf, Viburnum, Wandering Jew, White-edged Swedish Ivy, Yew, Zinnia.

STORAGE AND DISPOSAL: Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in a cool dry place away from heat or open flame.

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Replace cap and discard empty container in trash, sanitary landfill or by other approved state and local procedures. Do not incinerate or puncture.

Whitmire Research Laboratories, Inc.
St. Louis, MO 63122

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SUPPLEMENTAL LABEL DIRECTIONS FOR WHITMIRE PT TOTAL RELEASE INSECTICIDE AEROSOL GENERATORS

Including Whitmire PT 1100, PT 1200, PT 1300 and PT 1400 and PT 1700

Pre-application Directions

Apply only after sunset when foliage is dry and temperature is between 70° and 80°F., because sunlight will degrade insecticides, reducing their effectiveness. Close all outside openings, windows, doors, and outside fresh air ventilators.

Fan Circulation

Supplemental air circulation greatly increases the effectiveness of Whitmire's total release aerosol generators. If available, the use of your air circulating system is recommended. In greenhouses without air circulation systems, use large portable fans placed at one end greenhouse in an unobstructed aisle to achieve maximum air movement for spray particle recirculation. Turn on circulating fans prior to releasing spray.

CAUTIONS

Reentry: Occupants should not reenter greenhouse until it has been ventilated. Good Greenhouse management must overrule the use of total release insecticide aerosol generators when any conditions might be created by tightly closing greenhouses that would harm plant foliage or flowers. Example - creation of high temperature or humidity conditions. Do not use units in greenhouses with unvented or defective gas heating systems or where open combustion exists.

APPLICATION DIRECTIONS

Dosage

Use one 16-oz. unit per 3,000 sq. ft.

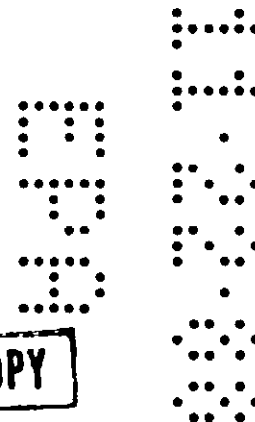
Plants grown at ground level: Place container on ground between plant beds near middle of area to be treated.
Plants grown on benches: Place container on benches near middle of area to be treated. Make sure spray is unobstructed above unit by foliage or other physical objects in order to obtain maximum distribution of fog.

To Activate Unit

Press tab down to locked position. Leave greenhouse at once. The entire contents will release automatically.

Spray Exposure

Keep greenhouse tightly closed and fans operating overnight allowing insecticide to recirculate for maximum plant coverage. Important: If greenhouse is not kept tightly closed, air currents will transport insecticide particles outside and treatment may be ineffective.



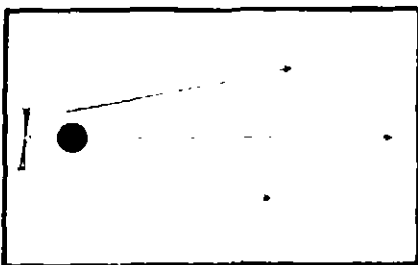
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HOW TO USE TOTAL RELEASE AEROSOL GENERATORS FOR BEST RESULTS

1. GREENHOUSE... SINGLE FAN

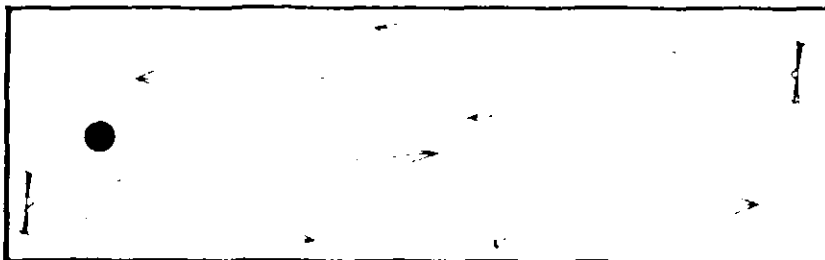
Size 50' x 60' (3000 Sq. ft.)



Air circulation is a necessity to distribute particles uniformly throughout the greenhouse. Air turbulence can be achieved with convection tube circulation, portable or any fixed power circulating system. In houses without powered circulating systems, use portable fans to maintain positive air movement and continuous circulation. Low velocity fans delivering 2,000 to 3,000 CFM are suitable. High velocity fans are not desirable. Double the number of fans if the foliage is dense. Place units and locate fans where the air flow is as unobstructed as possible to maximize particle circulation. Do not place unit inside or directly under tube or tube intake where tube circulation of air is used.

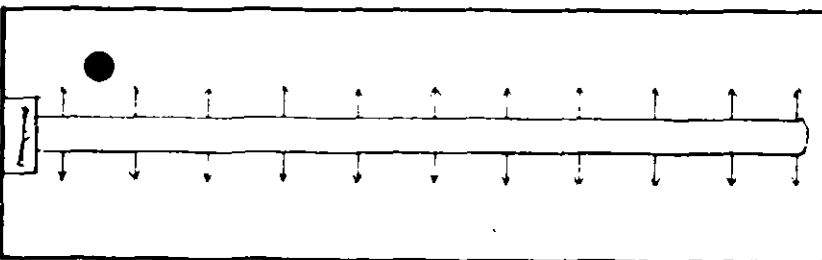
2. GREENHOUSE... FAN CIRCULATING SYSTEM

Size 30' x 100' (3000 Sq. ft.)



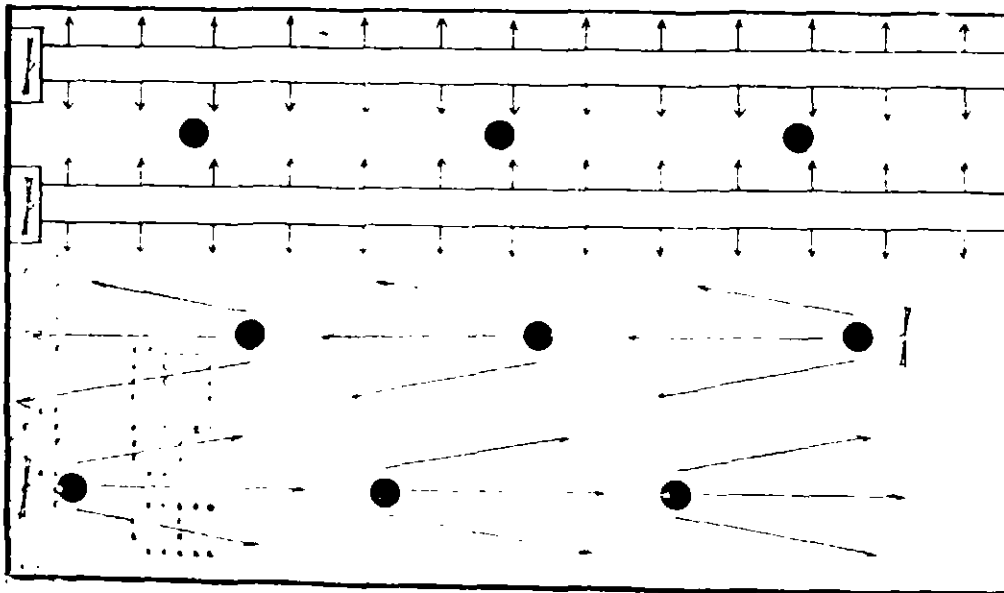
3. GREENHOUSE... TUBE CIRCULATING SYSTEM

Size 30' x 100' (3000 Sq. ft.)



4. LARGE GREENHOUSE... TUBE OR FAN CIRCULATING SYSTEM

Place 1 PT unit per 3000 Sq. ft. throughout Greenhouse



See Label for Use Directions and Cautions

LEGEND

