



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 M<sup>th</sup> St., S.W.  
Washington, D.C. 20460

EPA Reg.  
Number:

55638-23

Date of Issuance:

March 28,  
1994

**NOTICE OF PESTICIDE:**

  X   Registration  
      Reregistration

Term of Issuance:

Conditional

Name of Pesticide Product:

NoMate<sup>TM</sup> TPW MEC

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Ecogen Inc.  
2005 Cabot Boulevard West  
Langhorne, PA 19047

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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.

This product is registered in accordance with FIFRA sec. 3(c)(5) provided that you:

I. Submit and/or cite all data required for registration/reregistration of your product for (E)-4-Trideceny-1-ol Acetate and (Z)-4-Trideceny-1-ol Acetate under FIFRA sec. 3(c)(5) and sec. 4 when the Agency requires all registrants of products containing (E)-4-Trideceny-1-ol Acetate and (Z)-4-Trideceny-1-ol Acetate to submit the data.

II. Make the following label changes:

A. Revise the EPA Registration Number to read, "EPA Reg. No. 55638-23".

Signature of Approving Official:

See Page 2.

Date:

MAR 28 1994

B. Change the label to indicate that the last date of application is 30 days prior to anticipated harvest.

III. Additional data are needed on the fate of the pheromones from time of application to the time of harvest. These data are due to the Agency within one year from the date of conditional registration:

1. Information on the actual number of microcapsules found on the fruit:
  - a. Immediately after spraying on the fruit
  - b. At time of harvest before washing to shed light on normal loss with weathering.
  - c. Following harvest after washing of the fruit.

Conditions III (1) (a) (b) and (c) could involve the use of fluorescent charged microcapsules to aid in recovery from field grown plants.

2. Volatilization rate to confirm calculations that no pheromones are being given off into the air after 21 days. This could be done in a contained environment to give accurate results, e.g. a box that can simulate air exchange yet allow containment of beads and sampling over time.
3. Data on the percent of active ingredient still detectable in the product after the 21 days of simulated environmental exposure and following crushing and extraction from the microbeads. The Agency is especially interested in this information.

The registrant is invited to contact the Agency for additional details and discussion on the generation of the required data.

IV. Submit three copies of the revised final printed label for the record.

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



Phil Hutton  
Product Manager (18)  
Insecticides/Rodenticide Branch  
Registration Division (7505C)  
Office of Pesticide Programs

# NoMate®TPW MEC

## Pheromone Communication Disruptant

NoMate®TPW MEC is a microencapsulated pheromone communication disruptant for control of the tomato pinworm (*Keiferia lycopersicella*)

### Active Ingredients:

(E)-4-Tridecen-1-yl Acetate..19.4%

(Z)-4-Tridecen-1-yl Acetate.....0.6%

Inert Ingredients:.....80.0%

TOTAL..... 100.0%

## CAUTION

### KEEP OUT OF REACH OF CHILDREN

### STATEMENT OF PRACTICAL TREATMENT

**If in Eyes:** Flush with plenty of water. Get medical attention if irritation persists.

**If on Skin:** Wash affected areas with soap and water. Get medical attention if irritation persists.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

Avoid contact with skin, eyes or clothing. Do not breathe vapors or spray mist.

### ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of waste.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

MAR 28 1994

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

55638-23

EPA EST. No. 36638-MT-01

EPA REG. No. 36638-

Net contents: 1 Pint

## STORAGE & DISPOSAL

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

**Storage:** Store in a safe manner. Store in original container only, in a cool, dry place. Keep container tightly closed when not in use.

Reduce stacking height where local conditions, such as humidity or pallet overhang, can affect package strength.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

**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.

## DIRECTIONS FOR USE

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

## INSTRUCTIONS FOR USE

NoMate®TPW MEC is intended for use in preventing tomato pinworm damage in tomatoes. The product functions by interfering with mating communication between adult moths. Disrupting the natural mating process can suppress fertile egg laying and subsequent larval infestation thus reducing the need for conventional insecticides.

## RATE OF APPLICATION

The recommended rate of application is 1.34 to 2.68 ounces (40-80 grams) of product per acre or 3.35 to 6.70 ounces (100-200 grams) per hectare. Apply in 1 to 30 gallons of water per acre (2.5-75 gal/Ha).

BEST AVAILABLE COPY

## SCENTRY

A Division of Ecogen Inc.

2005 Cabot Blvd. West, Langhorne, PA 19047-1910  
215/757-1590 or 800/220-2135

## METHOD OF APPLICATION

NoMate®TPW MEC can be applied with conventional ground and aerial application equipment.

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

## TIMING OF APPLICATION

1. It is best to begin applications of NoMate®TPW MEC while pinworm populations are relatively low. The economic threshold using Scentry® wing trap and tomato pinworm lure is 2-5 moths per trap per day. If at planting time this threshold is reached or larvae are present, make the first application within two weeks. Early applications will suppress mating activity of adults that emerge from already infested transplants.

2. Repeat applications should be made before effectiveness of the previous application diminishes significantly. The interval between successive applications should not exceed 4 weeks. High pest pressure and temperature may require shorter application periods.

3. The use of Scentry pheromone trap and lures, and routine larval surveys of foliage and fruit is strongly recommended for timing NoMate®TPW MEC applications.

## WARRANTY AND CONDITIONS OF SALE

Ecogen warrants that this product conforms to the description on this label and is reasonably fit for the purposes stated on this label when used in accordance with the directions on this label under normal conditions of use.

ECOGEN MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

If this product is defective, Buyer's exclusive remedy shall be the replacement of the product, or if replacement is impracticable, refund of the purchase price. In no case will Ecogen be liable for incidental, consequential or special damages resulting

from the handling, storage or use of this product.

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To: Chris Dively/Ecogen

STATEMENT FOR REGISTRATIONS ISSUED FROM NOW ON

The following statement must be included in the PM's letter for all registrations and amendments accepted from now until April 21, 1994 (that is, those registrations/amendments that are not complying with the WPS). All acceptances must be stamped with the "ACCEPTED with COMMENTS in EPA Letter Dated: (date stamp)" label acceptance stamp.

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This acceptance of your label does not relieve you of any obligation to comply with the Worker Protection Standard (WPS). Under the WPS labeling regulations at 40 CFR part 156, subpart K, § 156.200(c)(3), you are prohibited from distributing or selling any product within the scope of the WPS requirements after April 21, 1994, without amended labeling accepted by the Agency.

**BEST AVAILABLE COPY**