

PM-91

55638-18

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NoMate® PBW Fiber is a pheromone communication disruptant for control of pink bollworm (*Pectinophora gossypiella*).

Active Ingredients:

(Z,Z)-7,11-Hexadecadien-1-yl Acetate 3.80%
(Z,E)-7,11-Hexadecadien-1-yl Acetate 3.80%

Inert Ingredients 92.40%

TOTAL 100.00%

This product contains the toxic inert ingredient hexane.

CAUTION

KEEP OUT OF REACH OF CHILDREN

STATEMENT OF PRACTICAL TREATMENT

In case of eye contact immediately flush with water.
Get medical attention if irritation persists.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Avoid contact with eyes. In case of eye contact immediately flush with water. Get medical attention if irritation persists.
Wash hands after handling.

Personal Protective Equipment (PPE):

Applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Shoes plus socks
- Water-proof gloves

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the high-water mark. Do not contaminate water when disposing of equipment wash water or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

Extremely flammable. Contents under pressure. Keep away from fire, sparks and heated surfaces. Do not puncture or incinerate. Exposure to temperatures above 130°F (54°C) may cause bursting.

STORAGE AND DISPOSAL

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

EPA REG. No. 55638-18
EPA EST. No. 36638-MT-1
Net Contents: 600 and 150 gram bags

Storage: Store in a cool place until used. Long term storage should be at 72°F (22°C) or below. Unused NOMATE PBW Fiber is flammable and normal precautions to prevent exposing it to sources of ignition should be taken.

Pesticide Disposal: Pesticide wastes are toxic. 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: Completely empty bag into mixing or application equipment. Then dispose of empty bag in sanitary landfill, by 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. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE). The requirements in this section only apply to uses of this product that are covered by the Worker Protection Standard. This product does not have a restricted-entry interval.

INSTRUCTIONS FOR USE

NOMATE PBW Fiber is intended for use in controlling pink bollworm damage in cotton by preventing male moths from finding and mating with females. Its use results in reduced crop damage by suppression of fertile egg laying and larval infestation.

ECOGEN

Ecogen Inc.
2005 Cabot Blvd. West, P.O. Box 3023
Langhorne, PA 19047-3023
215/757-1590 or 800/220-2135

ACCEPTED

JUL 16 1997

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the EPA Reg. No. 55638-18

SPECIMEN LABEL

RATE OF APPLICATION

NOMATE PBW Fiber is used with Ecogen Bio-Tac[®] adhesive (adjuvant) alone or with BIO-TAC and an insecticide in a tank mix. Ranges of acceptable application rates and recommended application rates for NOMATE PBW Fiber are as follows.

NOMATE PBW	Application Rate/Acre	Recommended Rate/Acre
Tank Mix	5-15 grams	7.5 grams
Alone	15-30 grams	15.0 grams

Tank Mix – Other than California: Guidance on acceptable insecticides for use with NOMATE PBW Fiber and complete tank mix instructions are available from your Ecogen representative.

Tank Mix – California: Use of this Ecogen tank mix in California is regulated under Section 24(c) Special Local Needs Registration (EPA SLN No. CA810045). Refer to the Section 24(c) Registration Bulletin for complete tank mix instructions.

METHODS OF FIELD APPLICATION

Applications of NOMATE PBW Fiber by air require specially designed equipment which is available from Ecogen Inc. Local custom applicators have this equipment and are prepared to provide application services.

1. With air application equipment, applications can be made by flying with rows or across rows and fiber distribution should be as even as possible. A flying altitude of 15-50 feet is recommended with higher altitudes being flown when ground winds are still or moderate and lower altitudes flown as necessary to compensate for high ground wind conditions.
2. Ecogen BIO-TAC adhesive, an inert sticker, is available from your NOMATE PBW Fiber supplier and is used to hold individual fibers on cotton foliage. For best results, before mixing with BIO-TAC, keep bags of NOMATE PBW Fiber sealed and in a cool place (72°F [22°C] or below). See BIO-TAC label for instructions about mixing ratios and other important information. If an insecticide is used, it should be added to BIO-TAC, then add NOMATE PBW Fibers to the mixture. Mix only the amount to be used immediately. The mixture should be applied according to application machinery requirements.
3. Storing partially used bags of NOMATE PBW Fiber is NOT RECOMMENDED. NOMATE PBW Fiber is available in both 600 gram and 150 grams bags. When preparing for an application, a combination of these sizes containing the amount needed for the application (or slightly more) should be used.
4. Applications can be made at any time of day.
5. Application should only be made by a qualified person to insure proper rate and method of application.

NOTE: Limiting the use of conventional insecticides may help to maintain the population of predators and parasites to assist in the biological control of other pests in the field.

TIMING OF APPLICATION

1. Monitoring to detect the time of peak emergence should begin when fields are planted using Scentry[®] "Delta" traps baited with Scentry[®] lures. During the season, monitoring should continue on a frequent basis (every 1-3 days is suggested) to help you schedule NOMATE PBW Fiber application for most effective control.
2. The first application should be made prior to the time when the number of adult moths present is large enough to produce a damaging larval infestation.
 - A. In many areas, particularly those with a history of larval infestations early in the season, start applications shortly before plants produce the first set of buds (squares).
 - B. If overwintering survival of pink bollworms is low, as indicated by field monitoring and history of infestation, start applications at or just prior to first blooms.
3. Second and subsequent applications should be made before effect of the previous application significantly diminishes. Do not allow periods between applications of NOMATE PBW Fiber when mating suppression is no longer effective. Reapply based on the following factors or combinations of them.
 - A. When traps begin to catch moths again, some male moths may be able to find females and another application may be needed. Zero or low trap catches are an indication that the last application of NOMATE PBW Fiber is working.
 - B. NOMATE PBW Fiber is designed to last up to 14 days at temperatures of 100°-105°F. Lower temperatures may extend longevity, higher temperatures can reduce longevity. During low temperature conditions, the time between applications should not exceed 21 days. A maximum of 6 applications may be applied per year with a minimum interval of 7 days between applications.
 - C. Pink bollworm infestations in a field will vary from time to time, usually in cycles from comparatively low to high. When trap catches (and other indicators) show that the population is approaching a high level (peak), it is especially important to be sure that the last application of NOMATE PBW Fiber is still effective, or to make another application.
 - D. Severe weather conditions such as heavy wind and rain can cause "fibers" to be knocked off the plants and thus reduce the longevity of a treatment. Fields should be checked soon after such weather to determine if another application is needed.

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.