

**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.

**APPLICATION INSTRUCTIONS:**

This product is intended for use in preventing Blackheaded Fireworm damage in cranberries, by interfering with mating communication between adult moths. Disruption of the mating process may result in a decrease in egg laying and subsequent larval infestation thus reducing the need for conventional insecticides. Recommended rate of application is:

Per Acre	Per Hectare
5.1 to 6.8 fl. oz.	12.3 to 17.4 fl. oz.
.32 to .43 pints	.77 to 1.1 pints
151.5 to 202 mls.	363.3 to 515.1 mls.

Apply in sufficient quantities of water to provide thorough coverage. This product can be applied with conventional ground, aerial application equipment and most types of irrigation systems (see section on Chemigation). At least two applications of 3M MEC Blackheaded Fireworm Pheromone Concentrate is recommended per season. The first application should occur as soon as the first fireworm moths are detected in monitoring traps. The second application should follow, 3-4 weeks later (or at the beginning of the second moth flight).

**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. Do not enter or allow entry into treated areas during the restricted-entry interval (REI) of 4 hours. For any requirement specific to your state, consult the agency in your state responsible for pesticide regulation.

**STATEMENT OF PRACTICAL TREATMENT:** In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

**PRECAUTIONARY STATEMENTS:**

**HAZARDS TO HUMANS. CAUTION** Irritating to skin and eyes. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Avoid breathing spray mist. Keep container closed when not in use.

# 3M

## MEC Blackheaded Fireworm Pheromone Concentrate

This product is a timed-release microencapsulated pheromone concentrate used for mating disruption of the Blackheaded Fireworm (*Rhopobota naevana*) in cranberries.

**Active Ingredient:**

(Z)-11-Tetradecen-1-yl acetate..... 20.0%

**Inert Ingredients:**..... 80.0%

**Total:**..... 100.0%

EPA Reg. No. 10350-47  
EPA Est. No. 10350-CN-01

Net Contents - 1 US Gallon (3.78 Liters)

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

ACCEPTED  
AUG 7 1998

Under the Federal Insecticides,  
Fungicides, and Rodenticides Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 10350-47

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Applicators and other handlers must wear long sleeved shirt, long pants and shoes plus socks. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exists, wash with detergent and hot water. Wash and store PPE separately from other laundry.

**HAZARDS TO THE ENVIRONMENT:** Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**DISPOSAL:** Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Empty containers should be disposed of by state and local procedures.

**STORAGE:** Store in original container above 32°F to avoid freezing. Should freezing occur, thaw the product completely and mix thoroughly by agitation before use.

**NOTICE - LIMITED WARRANTY**

3M guarantees only that the product, if used as directed, will perform as described on this label. 3M makes no other guarantees, warranties or promises for the product. The purchaser's sole and exclusive remedy shall be limited to product replacement or refund for the returned product at 3M's option. 3M will replace any product found by 3M to be defective.

The foregoing warranty is in lieu of all other warranties expressed or implied, including the warranty of merchantability or fitness for a particular purpose. 3M shall not be liable for any damages, including indirect, special, incidental and/or consequential damages, regardless of the legal theory asserted, including negligence and/or strict liability arising out of the use of or the inability to use or the performance of the product.

Some states do not allow the exclusion or the limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific rights and you may also have other rights which may vary from state to state. For any warranty questions, contact 1-800-265-1840.

Net Wt.:  
Lot No.:

Made in Canada for:  
3M Company  
St. Paul, MN 55144-1000

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## CHEMIGATION

Apply this product only through lateral move, end tow, side (wheel) roll, traveler, big gun, solid set or hand move sprinkler systems. Do not apply this product through any other type of irrigation system. Crop injury or lack of effectiveness can result from non-uniform distribution of treated water. Do not connect an irrigation system (including greenhouse systems) used for pesticide application, to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

### **Chemigation Systems Connected to Public Water Systems:**

Public water system means a system for the provision of piped water, to the public, for human consumption if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals daily, at least 60 days of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone (RPZ) backflow preventer or the functional equivalent, in the water supply line upstream from the point of pesticide introduction. An additional option to the RPZ, the water from the public water system can be discharged into a reservoir tank prior to pesticide introduction. There should be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank, of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump (e.g. Diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

### **Sprinkler Chemigation:**

The system must contain a functional check valve or appropriate gooseneck pipe loop, vacuum relief valve and low pressure drain appropriately located on the irrigation

pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional automatic, quick-close check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Adequate agitation must be provided before and during the injection period. Use only in sprinklers that apply uniformly and have appropriate check valves. When application of pesticide is complete, thoroughly flush the injection system and sprinkler lines.

### **Mixing Recommendations for Chemigation:**

Follow general mixing instructions and keep the ratio at three (3) parts water to one (1) part 3M MEC Blackheaded Fireworm Pheromone Concentrate. Also, provide mild uniform agitation throughout the solution but do not agitate excessively.

### **Spray Volume:**

For chemigation, volume of make-up solution should correspond to a 6 to 8 minute injection time, resulting in a per acre volume of approximately 400 to 600 gallons of water, excluding rinse-out volume. This pheromone product should be applied continuously for the duration of the water application. When application of pesticide is complete, thoroughly flush the injection system and sprinkler lines with a minimum volume of water for complete rinse-out.

R. H. C.