

5/20/97

NoMate® LRX

MEC

 PM 90
 55638-39
 P9 1F4

MASTER LABEL

NoMate® LRX MEC is a microencapsulated pheromone communication disruptant for control of the leafroller (*tortricidea*) in tree fruit, small fruit and vine crops, and for blackheaded fireworm (*Rhopobota naevana*) in cranberries.

Active Ingredients:

(Z)-11-Tetradecen-1-yl Acetate	20.0%
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 AND DOMESTIC ANIMALS
 Avoid contact with skin, eyes or clothing. Do not breathe vapors or spray mist. 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

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

STORAGE AND 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 onsite 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, 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.

ACCEPTED

MAY 20 1997

Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under
 EPA Reg. No. 55638-39

ECOGEN

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 215/757-1590 or 800/220-2135

EPA REG. No.
 EPA EST. No. 36638-MT-01
 Net contents: 1 Pint (16 fl. ozs.)

SPECIMEN LABEL

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 LRX MEC is intended for use in preventing leafroller damage in tree fruit, small fruit and vine crops and blackheaded fireworm damage in cranberries. 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

TREE FRUIT, SMALL FRUIT AND VINE CROPS

The recommended rate of application is 2.0 to 2.5 ounces (60-75 grams) of product per acre or 5.0 to 6.25 ounces (150-190 grams) per hectare. Apply in sufficient quantities of water to provide thorough coverage.

Do not exceed 150 grams of active ingredient / acre / year.

This represents the active ranges for mating disruption. Please note that complete trap shutdown may not necessarily occur, however, decline in mating is achieved.

CRANBERRIES

The recommended rate of application is 5.0 to 7.0 ounces (150-200 grams) of product per acre or 12 to 17 ounces (360-510 grams) per hectare. Apply in sufficient quantities of water to provide thorough coverage.

Do not exceed 150 grams of active ingredient / acre / year.

This represents the active ranges for mating disruption. Please note that complete trap shutdown may not necessarily occur, however, decline in mating is achieved.

METHOD OF APPLICATION

NOMATE LRX MEC can be applied with conventional ground and aerial application equipment.

CHEMIGATION

Apply this product only through center pivot, 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 nonuniform distribution of treated water.

If you have questions about calibration, contact your State Extension Service Specialist, equipment manufacturers or other experts.

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.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Chemigation Systems Connected to Public Water Systems:

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out 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. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall 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, 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.

Sprinkler Chemigation:

The system must contain a functional check valve, 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-closing 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 systems that apply uniformly and have appropriate check valves. When application is complete, thoroughly flush the injection system and sprinkler lines.

Mixing Recommendations for Chemigation:

Follow general Mixing Instructions and keep the ratio at three parts water to one part NOMATE BHF MEC. Also, provide mild uniform agitation throughout the solution but do not agitate excessively.

For undiluted injection for chemigation: flush and clean

nurse tank, lines, screen canister and pump with diesel fuel or a nonemulsifiable oil until they are water free before and after application. Use a 25-mesh screen. Continue agitation during injection.

Spray Volume:

For chemigation use irrigation levels of 0.15 to 0.5 inches of water per acre. Up to 1 inch of irrigation water may be used, but efficacy may be reduced. The product should be applied continuously for the duration of the water application.

TIMING OF APPLICATION

TREE FRUIT, SMALL FRUIT AND VINE CROPS

It is best to begin applications of NOMATE LRX MEC while worm populations are relatively low. The economic threshold using **Scentry**® wing trap and leafroller lures is at peak flight following Biofix. If this threshold is reached or larvae are present, make the first application immediately. Early applications will more effectively suppress mating activity of adults, helping to control pest populations more efficiently.

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.

CRANBERRIES

At least two applications of NOMATE LRX MEC are recommended per season. The first application should occur as soon as the first fireworm moths are caught in pheromone monitoring traps. The second application should occur at the end of the next three to four weeks—or at the beginning of the second moth flight. Work with an integrated Pest Management program or extension professionals to correctly time the applications.

The use of SCENTRY pheromone trap and lures, and routine larval surveys of foliage and fruit is strongly recommended for timing NOMATE LRX 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 the 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.