



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division (7511C)
1200 Pennsylvania Avenue NW
Washington, DC 20460

EPA Reg. Number:

72451-4

Date of Issuance:

MAR - 8 2001

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

MSTRS® BHFV-2

Name and Address of Registrant (include ZIP Code):

MSTRS Technologies, Inc.
2501 North Loop Drive
Ames, IA 50010-8277

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention 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 registration does not eliminate the need for continual reassessment of the pesticide. If EPA determines at any time, that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA.

This product is registered in accordance with FIFRA section 3(c)(5) and is subject to the following terms and conditions:

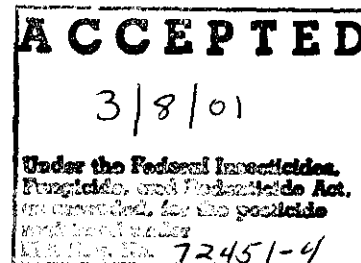
1. Modify your label by inserting the new EPA Reg. No. 72451-4 before the release of your product for shipment.
2. Submit five (5) copies of the revised final printed labeling before you release the product for shipment.

Signature of Approving Official:

Date:

3/8/01

2/4



MSTRS® BHFV-2

A PHEROMONE PRODUCT FOR CONTROL OF THE BLACKHEADED FIREWORM
Rhopobota naevana BY DISRUPTION OF MATING COMMUNICATION

ACTIVE INGREDIENTS

Z-11-Tetradecen-1-yl acetate	86.4%
9-Dodecen-1-yl acetate	9.7%

OTHER INGREDIENTS	3.9%
TOTAL	100.00%

Each dispenser contains 12.27 grams of pheromone

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE BACK PANEL FOR FIRST AID STATEMENTS

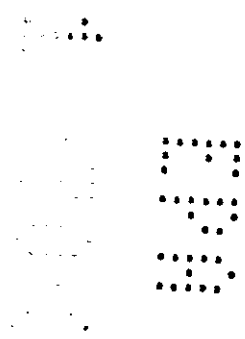
READ ALL DIRECTIONS BEFORE USING THIS PRODUCT

MSTRS® Technologies, Inc.
2501 North Loop Drive
Ames IA 50010-8277

EPA Registration No. 72451-U

EPA Establishment No. 72451-IA-1

NET CONTENTS: 0.45 oz/ 15.00 ml



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

CAUTION

Harmful if absorbed through the skin, inhaled or swallowed. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Remove contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

FIRST AID

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 - 20 minutes
- Call poison control center or doctor for treatment advice

IF INHALED:

- Move person to fresh air
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible
- Call poison control center or doctor for treatment advice

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 -20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye
- Call poison control center or doctor for treatment advice

Have product container or label, with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-515-296-6332

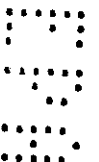
ENVIRONMENTAL HAZARDS

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

STORAGE AND DISPOSAL STATEMENTS

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

- | | |
|----------------------------|--|
| PESTICIDE STORAGE: | Store in original container, in a cool, dry area. |
| 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: | Remove all dispensers for application. Then dispose of empty bag in a sanitary landfill, or 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.

1. CROP: cranberries

2. PEST: Blackheaded fireworm [*Rhopobota naevana*]

3. APPLICATION: The MSTRS®BHF2 dispensers must be attached to stakes within the crop at a height of 1.5 feet above the crop canopy, at a density of 2 - 4 dispensers per acre depending on the size of the area to be treated. Dispensers are spaced every 35 yards around and 1 - 2 yards within the perimeter of every 10 - 15 acre section of one or more cranberry beds. The interior areas within each 10 - 15 acre block receive an additional 4 dispensers per acre spaced evenly in a line that transects the middle of the blocks.
 The MSTRS® BHF2 pheromone dispenser is programmed to deliver a single atomized spray of 70 microliters to an acrylic cloth pad located 5 - 10 cms from the nozzle opening. The timing of the spray delivery as well as the frequency of sprays is controlled by a clock timer housed in the body of the dispenser. The rate of application of the pheromone to the pads can be varied from 10 -40 grams per acre over 100 days.
 As promulgated at 40 CFR 180.1153 **DO NOT EXCEED** the rate of 150 grams per acre per year

4. TIMING: Deploy MSTRS®BHF2 immediately prior to the first emergence of black headed fireworm moths in early summer. The dispensers will emit effective amounts of pheromone for 100 days.

5. NOTE: : [i] MSTRS®BHF2 impedes the mating of the blackheaded fireworm moths in cranberry marshes. If pest populations densities are excessively high disruption of mating will be less effective. At high population densities insecticide applications are advised to reduce population to manageable levels.
 [ii] Treating larger areas gives a geometrical advantage in coverage of the cranberry beds by plumes of pheromone and reduces the number of dispensers per acre. Treating large areas also reduces the risk of mated females flying into treated areas from neighboring untreated beds.
 [iii] MSTRS®BHF2 will not work well on small [<1 acre] cranberry beds that are isolated from other larger MSTRS®BHF2 treated beds due to the high edge/area ratio.
 [iv] Monitoring of blackheaded fireworm males using pheromone traps is recommended in treated areas. As a general rule, pheromone trap monitoring of other pest species should be done so that timely intervention is possible.

WARRANTY

MSTRS® Technologies Inc., warrants that this product conforms to the chemical description on the label. MSTRS® Technologies Inc., neither makes nor authorizes any agent or representative to make, any other warranty of fitness or of merchantability, guarantee or representation, express or implied, concerning this material. MSTRS® Technologies Inc.'s maximum liability for breach of this warranty shall not exceed the purchase price of this product. Buyer and user acknowledge and assume all risks and liabilities resulting from the handling, storage and use of this material.

