



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:

72451-5

Date of Issuance:

MAR - 8 2001

Term of Issuance:

Unconditional

Name of Pesticide Product:

MSTRS® SS

NOTICE OF PESTICIDE:

Registration  
 Reregistration

(under FIFRA, as amended)

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. 72451-5 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.

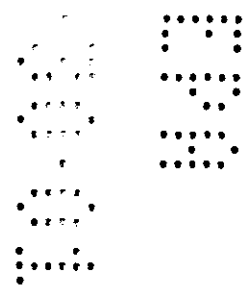
Signature of Approving Official:

Date:

3/8/01

DRAFT LABEL

**ACCEPTED**  
 3/8/01  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide agents and under EPA Reg. 72451-5



# MSTRS® SS

A PHEROMONE PRODUCT FOR CONTROL OF THE FRUITWORM  
*Sparganothis sulfureana* BY DISRUPTION OF MATING COMMUNICATION

**ACTIVE INGREDIENTS**

E-11-Tetradecen-1-yl acetate .....	89.10%
9-Dodecen-1-yl acetate .....	0.95%

<b>OTHER INGREDIENTS</b> .....	9.95%
<b>TOTAL</b>	<b>100.00%</b>

Each dispenser contains 800 milligrams of pheromone

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

SEE BACK PANEL FOR FIRST AID STATEMENTS

READ ALL DIRECTIONS BEFORE USING THIS PRODUCT

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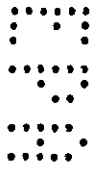
EPA Registration No. 72451-L

EPA Establishment No. 72451-IA-1

NET WEIGHT: 0.70 oz/ 20.0 g

25 disruption dispensers containing 800 mg of pheromone per polymeric releaser

DRAFT LABEL



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

**CAUTION**

May be harmful if swallowed or inhaled. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

**FIRST AID**

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists

**IF IN EYES:** Flush eyes with plenty of water. call a physician if irritation persists

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

**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.

DRAFT LABEL

### 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: Sparganothis fruitworm [*Sparganothis sulfurana*]
- 3. APPLICATION: The MSTRS® SS dispensers must be attached to stakes within the crop at a height of 1.5 feet above the crop canopy, at a density of 7 - 10 dispensers per acre, depending on the size of the area to be treated. Dispensers are spaced every 25 yards around the perimeter of every 10 - 15 acre section of one or more cranberry beds. The interior areas are treated by transects of dispensers spaced 25 yards apart on a line perpendicular to the berms. Transects must begin 100 yards from the edge of the 10 - 15 acre section. Further transects are made at 100 yard spacings. As promulgated at 40 CFR 180.1153 **DO NOT EXCEED** the rate of 150 grams active ingredient per acre per year
- 4. TIMING: Deploy MSTRS® SS immediately prior to the first emergence of fruitworm moths in early summer. The dispensers will emit effective amounts of pheromone for 100 days.
- 5. NOTE:
  - [i] MSTRS® SS impedes the mating of the fruitworm 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® SS will not work well on small [ $<1$  acre] cranberry beds that are isolated from other larger MSTRS® SS treated beds due to the high edge/area ratio.
  - [iv] Monitoring of fruitworm males using pheromone traps is recommended in treated areas. As a general rule, pheromone trap monitoring of other pest species must 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.