

90515-1

3/21/2014

1/4



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:
 90515-1

Date of Issuance:
MAR 21 2014

Term of Issuance: Unconditional

Name of Pesticide Product:
 Synergy Shield MCH

NOTICE OF PESTICIDE:

 X Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):
 Synergy Semiochemical Corporation
 c/o Technology Science Group, Inc.
 712 5th Street, Suite A
 Davis, CA 95616

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 under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). 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 her 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 the 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 unconditionally registered in accordance with FIFRA Sec. 3(c)(5) and is subject to the following terms:

1. Submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. A one year study is required to satisfy the Storage Stability and Corrosion Characteristics requirements (Guidelines: OCSPP 830.6317 and 830.6320). You have 18 months from the date of registration to provide these data.
3. Revise the EPA Registration Number to read, "EPA Reg. No. 90515-1."
4. Submit three (3) copies of the revised final printed labeling before you release the product for shipment.

A stamped copy of the label and an A-79 Enclosure are enclosed for your records.

Signature of Approving Official:

Robert McNally, Director
 Biopesticides and Pollution Prevention Division (7511P)

Date:

3/21/14

E-SUBMISSION

2/4

Synergy Shield MCH

ACCEPTED

ACTIVE INGREDIENT:

3-methyl-2-cyclohexen-1-one.....97.9%

OTHER INGREDIENTS:.....2.1%

TOTAL:.....100.0%

MAR 21 2014

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 90515-1

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. • Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 – 20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a 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 1-800-222-1222 for emergency medical treatment information.	

EPA Reg. No.: (pending as File Symbol 90515-R)

EPA Establishment No.: XXXXX-XX-XX

Manufactured by: Synergy Semiochemical Corporation
7061 Merritt Avenue
Burnaby BC, V5J 4R7 Canada

- Net Contents:**
- 10 units; (500 mg) (1000 mg)per unit; XX ounces total
 - 50 units; (500 mg) (1000 mg)per unit; XX ounces total
 - 100 units; (500 mg) (1000 mg)per unit; XX ounces total

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS – CAUTION: Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid contact with liquid contents. Do not puncture reservoir. Prior to use, open storage bag in a well-ventilated area and allow any accumulated vapors to vent. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS: For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark, except under forest canopy. Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Host Tree Stands: Standing and fallen Douglas-fir and Spruce trees and stumps, and stands containing significant numbers of Douglas-fir or Spruce trees. Use on trees in forests; municipal and shade tree areas; recreational areas such as campgrounds, golf courses, parks and parkways; ornamental and shade tree plantings; suburban areas; and rights of way and other easements.

Pests: MCH is an antiaggregation pheromone for the Douglas-Fir Beetle (*Dendroctonus pseudotsugae*) and the Spruce Beetle (*Dendroctonus rufipennis*). Synergy MCH Shield deters mass attack in tree stands and protects susceptible trees.

Application Rate:

Placement on trees:

Place Synergy Shield MCH on trees over 8 inches in diameter on north face of tree at 6 to 12 feet in height. Staple into flashing being careful to **not** puncture the reservoir.

Individual trees and area 1 acre or less:

(For 500 mg units)

Place 2 or 4 Synergy Shield MCH on each tree, depending on risk of attack and size of tree. For large trees over 24 inches diameter, add 1 more Synergy Shield MCH for each additional 8 inches in diameter, 3 feet above the previous Synergy Shield MCH.

(For 1000 mg units)

Place 1 or 2 Synergy Shield MCH on each tree, depending on risk of attack and size of tree. For large trees over 24 inches diameter, add 1 more Synergy Shield MCH for each additional 12 inches in diameter, 3 feet above the previous Synergy Shield MCH.

Forested stands over 1 acres:

(For 500 mg units)

Minimum dose – 40 Synergy Shield MCH/acre. For low to moderate beetle pressure, place 1 Synergy Shield MCH/tree in a grid pattern with 32 foot centers.

Maximum dose – 80 Synergy Shield MCH/acre. For high to extreme beetle pressure, place 1 Synergy Shield MCH/tree in a grid pattern with 23 foot centers.

(For 1000 mg units)

Minimum dose – 20 Synergy Shield MCH/acre. For low to moderate beetle pressure, place 1 Synergy Shield MCH/tree in a grid pattern with 46 foot centers.

Maximum dose – 40 Synergy Shield MCH/acre. For high to extreme beetle pressure, place 1 Synergy Shield MCH/tree in a grid pattern with 32 foot centers.

Timing: Place Synergy Shield MCH at least 2 weeks prior to the expected attack flight of the pest. Under normal weather conditions the Synergy Shield MCH is effective for 60 days. Use a second treatment as needed.

Notes: For best results, remove all beetle-infested trees on property before application. Consider the use of pheromone traps to reduce population pressure.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in sealed storage bag in a cold, dry place. Store below 32°F (0°C) or as cold as possible.

Pesticide Disposal: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Place empty bag in trash.