

PA 18 54735-5 10/1/93

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460
MAR 24 1994

Dr. E. Wayne Vinje
BOZEMAN BIO-TECH INC
1612 GOLD AVE - BOX 3146
BOZEMAN, MT 59772

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 12/14/93 in Response to PR Notice 93-7
EPA Reg. No. 54735-5
SEMASPORE BAIT

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Candela Ink on paper that
contains at least 50% recycled fiber

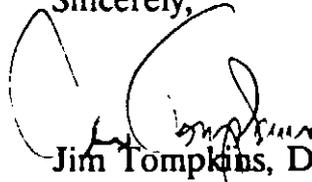
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

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BOZEMAN BIO-TECH INC
54735-5 12/14/93
SEMASPORE BAIT
Original Submission

Place the heading "Personal Protective Equipment" on your labeling in the location shown in Section A on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

Correct the typographical errors circled on your proposed label.

A BIOLOGICAL INSECTICIDE FOR GRASSHOPPERS

SEMASPORE BAIT™

THIRD INSTAR GRASSHOPPER NYMPH

ACTIVE INGREDIENT: Contains Viable Spores of **NOSEMA LOCUSTAE**

1/2" to 3/4"



Wing "Buds"

Minimum of 1 Billion Spores per Pound.....0.001%
Inert Ingredients.....99.999%

See Back for Directions. Read All Directions Before Using.

Mfg By:
Bozeman Bio-Tech
1012 Gold Ave.
Box 3146
Bozeman, Mt 59772
(406) 587-5891

EPA Est. 54735-MT-3
EPA Registration No. 54735-5
Batch No. _____
Contents: One Pound Five Pounds

CAUTION
KEEP OUT OF REACH OF CHILDREN

ACCEPTED
with COM
in EPA Lett

MAR 2

Under the Federal
Fungicide, and B
as amended, for
registered under

54735

BEST AVAILABLE

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

PRECAUTIONARY STATEMENTS:

Avoid inhalation or contact with open wounds. IF IN EYES- Flush with plenty of water, get medical attention if irritation occurs.

**APPLICATORS AND HANDLERS MUST
WEAR:**

- A. Long-sleeved shirts and long pants
- B. Shoes plus socks

Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables, use detergent and hot water. Wash and keep PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

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

STORAGE AND DISPOSAL

Disposal: Do not reuse empty container. Dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Storage: Store in a cool, dry shaded area in original container or refrigerate. If refrigerated continuously at 40 degree F add _____ days to expiration date. If frozen continuously at 15 degree F add _____ days to expiration date.

DIRECTION 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 should be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Apply 1 lb. bran per acre when grasshoppers are still nymphs (immature- majority 1/2 to 3/4 inch)
Treat rangeland or cropland hatching beds first, where nymphs are developing.
Use before _____

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40CFR 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 exemptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirement in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow ^{worker} entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, Waterproof Gloves, Shoes plus Socks.

HOW SEMASPORE WORKS

Semaspore contains Nosema Locustae, a natural pathogen to grasshoppers which infects most species after consumption of the bran bait (they consume best on warm, bright mornings). Grasshoppers first weaken, moving slower and reducing consumption (and damage) and then begin to die in 3-5 weeks as the disease spores multiply in them. Uninfected grasshoppers cannibalize those infected, receiving a larger initial dose, and the disease spreads. You won't see many dead grasshoppers because of cannibalism. However, slow moving, weakened grasshoppers will be observed. Any eggs laid are fewer, weakened and may be infected. Treating mostly 2nd and 3rd instar nymphs (1/2 to 3/4 inch, some with embryonic wings) initially, causes them to weaken and/or die before maturing and consuming more. However, enough survive infected to transmit the disease. Third instars are generally in hatching beds (grassy areas of unbroken ground); later, grasshoppers migrate into growing areas. Eight of them or more per square yard are important and above 25 is a serious infestation for which multiple Semaspore treatments have been used and/or a registered chemical bait for a quick kill. Treated buffer zones around growing areas have also been used, to reduce grasshopper migration.

NOTICE OF WARRANTY

No Warranty is expressed or implied concerning this product except for that on the label.

BEST AVAILABLE COPY