

PM 14 Reg. NO. 6704-87
AUG 10 1992
yellow/6

S-423078 300
18

U.S. Fish and Wildlife Service
Arlington Square Building (Mail Stop 725)
18th & C St NW
Washington, DC 20240

Attention: Rosalie A. Schnick

Subject: Bayluscide 70% Wettable Powder
EPA Reg. No. 6704-87
Your application of July 31, 1992

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable, subject to the following provisions:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. On the Front Panel, align the word "Active" with "Inert" at the same left margin.
 - b. Restructure the use directions as follows:

DIRECTIONS FOR USE

It is a violation ... with its labeling.

General Use Restrictions:

Local, State, and ... are prohibited.

FOR CONTROL OF SEA LAMPREY LARVAE

Use Restrictions:

ONLY FOR RETAIL ... are not exceeded.

Mixing and Application Directions:

When using ... lamprey larvae.

FOR CONTROL OF FRESH-WATER SNAILS

Use Restrictions:

FOR USE ONLY ... PROGRAMS.

Mixing and Application Directions:

BAYLUSCIDE ... as required.

c. On Page 3 of your label, delete the headings, "LAMPRICIDE AND MOLLUSCICIDE USE" and "RESTRICTIONS" and add the remaining text ("This product is toxic to fish. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources.) as a second and final paragraph under "ENVIRONMENTAL HAZARDS".

- 3. Submit one copy of your final printed labeling before you release the product for shipment.

This registration will be subject to cancellation in accordance with FIFRA sec. 6(e) if you do not comply with these conditions. Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

RAF

Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosures: Stamped label
A-79 Enclosure

h7505C:CM2:RM221:08/10/92:Peacock WP:A:6704.87:305-5407,-6600

3/6

136-6197.HLD

Base Reg. (6197)

U.S. LABEL-(8)

Reason to Issue: To show consolidation of label.

Date of Draft: 7/31/92
Supersedes draft dated 2/18/91

EPA Reg. No. 6704-87

TOTAL NET WEIGHT - POUNDS

RESTRICTED USE PESTICIDE
For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those users covered by the Certified Applicator's certification

ACCEPTED
with COMMENTS
in EPA Letter Dated

AUG 10 1992

BAYLUSCIDE®

(Formerly BAY 73)

70% WETTABLE POWDER

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

LAMPRICIDE

FOR CONTROL OF SEA LAMPREY LARVAE

MOLLUSCICIDE

FOR CONTROL OF FRESH-WATER SNAILS 6704-87

Puerto Rico Only

KEEP OUT OF REACH OF CHILDREN

DANGER

(See Below for Statements of Practical Treatment and of Precautionary Statements)

ACTIVE INGREDIENT:

5-Chloro-N-(2-chloro-4-nitrophenyl)-2-hydroxybenzamide compound with 2-aminoethanol (1:1).....70%

**INERT INGREDIENTS:..... 30%
100%**

EPA Reg. No. 6704-87
EPA Est. No. 3125-MO-1

STOP - READ THE LABEL BEFORE USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

IMPORTANT: READ THESE ENTIRE DIRECTIONS AND CONDITIONS OF SALE BEFORE USING BAYLUSCIDE 70% WETTABLE POWDER.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. U.S. FISH AND WILDLIFE SERVICE OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF U.S. FISH AND WILDLIFE SERVICE AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

DIRECTIONS FOR USE FOR CONTROL OF SEA LAMPREY LARVAE

ONLY FOR RETAIL SALE TO AND APPLICATION BY CERTIFIED APPLICATORS OF THE U.S. FISH AND WILDLIFE SERVICE, FISHERIES AND OCEANS CANADA, AND PROVINCIAL AND STATE FISH AND GAME EMPLOYEES OR PERSONS UNDER THEIR DIRECT SUPERVISION.

state and Provincial Fish and Game Agencies must first be contacted before product is applied.

BAYLUSCIDE 70% Wettable Powder may be used as a synergist in combination with TFM (EPA Reg. No. 6704-45) for control of sea lamprey larvae (PETROMYZON MARINUS) in waters in the Great Lakes basin and the Lake Champlain system.

Application of BAYLUSCIDE 70% Wettable Powder may be made as a simultaneous addition with TFM on larger rivers to reduce the amount of TFM required or as a subsequent addition downstream to enhance TFM larvicidal activity.

Prior to using BAYLUSCIDE-TFM, pretreatment surveys must be made to determine larvae populations.

All waters selected for treatment must first be analyzed on site to determine both the minimum concentration of material required to kill lamprey larvae and the maximum concentration that can be applied without causing undue fish mortality. "Analysis" constitutes live animal bioassay or the use of a regression established by past bioassays and total alkalinity and conductivity of water.

Lethal concentration may vary depending upon water chemistry and temperature. Carefully calculate stream flow-rate and add the amount of material necessary to kill lamprey larvae with minimal fish mortality. Metering devices will be used that accurately deliver application rates as calculated. Chemicals will be monitored colorimetrically or by gas chromatography to insure that minimum lethal concentrations for sea lampreys are maintained and maximum allowable concentrations are not exceeded.

Directions for Mixing and Application: When using BAYLUSCIDE 70% Wettable Powder as a synergist in combination with TFM, mix in proportions so as to result in a final concentration of BAYLUSCIDE 70% Wettable Powder of not more than 2% of TFM by weight. BAYLUSCIDE 70% Wettable Powder may be added to TFM in 2 ways:

1. One method of application is a slurry of BAYLUSCIDE 70% Wettable Powder pumped into the water through a pump while the TFM is fed separately through a conventional fuel pump feeder in amounts calculated to deliver the desired rate of TFM to BAYLUSCIDE. BAYLUSCIDE is more easily mixed as a slurry than with TFM and more uniform feed rates result.
2. A second application method is used on the large river systems with multiple tributaries. The number of application sites on these large rivers precludes the use of the first method because of the number of feeders involved, the need for a 110-volt power source at each site to run a pump, and the often difficult access to these sites. BAYLUSCIDE is introduced into the chemical bank in amounts calculated to produce the desired TFM to BAYLUSCIDE ratio. The TFM applications in tributaries are timed so that the individual chemical banks meet and form a chemical bank in the main stream that approximates the chemical concentrations in the tributaries. Since the banks are diluted by ground water, swamp seepage, untreated tributaries, occasionally rain, or other conditions that cannot be included when the application rates for the tributaries are calculated, the toxicity of the bank in the main stream must be raised by the addition of TFM or BAYLUSCIDE. The latter can be used in place of TFM because of the increased toxicity of the TFM-BAYLUSCIDE mixture over TFM alone to sea lamprey larvae.

5/6

DIRECTIONS FOR USE FOR CONTROL OF FRESH-WATER SNAILS - PUERTO RICO ONLY

FOR USE ONLY BY PUBLIC HEALTH OFFICIALS AND OTHER TRAINED PERSONNEL OF PUBLIC HEALTH PROGRAMS.

BAYLUSCIDE 70% Wettable Powder molluscicide gives effective control of fresh-water snail species that act as intermediate hosts of organisms causing schistosomiasis. This compound kills snails and snail eggs. The wettable powder wets readily when added to water and suspensions are easily applied to moving or impounded waters. Mix suspension thoroughly and maintain continuous agitation.

Flowing Streams: Sufficient quantities of BAYLUSCIDE should be metered into flowing water to obtain a final concentration of 0.5 to 1.0 part per million active ingredient of the toxicant. For maximum kill of snails, the 0.5-ppm. concentration should be maintained for a 24-hour period. The 1.0 ppm. rate should be applied continuously over a 6-hour period. Repeat treatments as required.

Impounded Water: Apply sufficient quantities of BAYLUSCIDE to obtain a final concentration of 0.5 ppm. of actual toxicant in the water (1.92 pounds BAYLUSCIDE 70% Wettable Powder per acre-foot of water). Repeat treatment as required.

LAMPRICIDE AND MOLLUSCICIDE USE**RESTRICTIONS**

This product is toxic to fish. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

STORAGE AND DISPOSAL

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

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Do not use container in connection with food, feed, or drinking water. Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed above. In spill or leak incidents, keep unauthorized people away. You may contact Chemtrec for decontamination procedures or any other assistance that may be necessary. The Chemtrec telephone number is 800-424-9300.

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

Causes eye damage. May be harmful if swallowed or inhaled. Do not get in eyes. Do not breathe dust. Wash thoroughly with soap and water after handling. Wear goggles or face shield when handling. Wear a mask or respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11.

Do not contaminate feed or food. Keep out of reach of children.

STATEMENTS OF PRACTICAL TREATMENT

If in eyes: Hold eyelids open and flush with steady, gentle stream of water for 15 minutes. Get medical attention. If on skin: Wash immediately with soap and warm water. If irritation occurs, get medical attention. If swallowed: Drink promptly a large quantity of milk, or if milk is not available, large quantities of water. Avoid alcohol. Note to Physician: Probable mucosal damage may contraindicate to use of gastric lavage. If inhaled: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

ENVIRONMENTAL HAZARDS

Directions for use must be strictly followed to minimize hazards to non-target organisms. Do not contaminate water by cleaning of equipment or disposal of wastes.

Local, State, and Provincial Fish and Game Agencies must be contacted before product is applied. Municipalities that use streams requiring treatment as potable water sources must be notified of the impending treatment at least 24 hours prior to application. Agricultural irrigators that use streams requiring treatment as a source of irrigation water must be notified of the impending treatment at least 24 hours prior to application. Agricultural irrigators must turn off their irrigation system for a 24-hour period during and after treatment.

Aerial applications of Bayluscide are prohibited.

Manufactured by

MILES INC.
SPECIALTY PRODUCTS
Box 4913, Kansas City, MO 64120-0013

for

Fish and Wildlife Service
United States Department of the Interior
18th and C Streets, N.W.
Washington, D.C. 20240

BAYLUSCIDE is a Reg. TM of the ultimate parent company of Miles Inc.

Note: Underlined letter in chemical nomenclature should be italicized when printed, not underlined.