

[LABEL – PRINCIPAL PANEL]

**BAYLUSCIDE WETTABLE POWDER
LAMPRICIDE**

for control of sea lamprey larvae

RESTRICTED

READ THE LABEL BEFORE USING

GUARANTEE: Niclosamide (present as the 2-aminoethanol salt): 59.5%

REGISTRATION NUMBER 25562 PEST CONTROL PRODUCTS ACT

NET CONTENTS ____ KILOGRAMS

CAUTION - EYE IRRITANT

Manufactured for:
United States Department of the Interior
U.S. Fish and Wildlife Service
Arlington Square Bldg. Mail Stop 725
Washington, DC 20240
(703)358-2202

Canadian Agent:
Department of Fisheries and Oceans (Canada)
Sea Lamprey Control Centre
1219 Queen Street East
Sault Ste. Marie, Ontario P6A 2E5
(705)941-3000

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

NATURE OF RESTRICTION: Only for sale to, and use only by, certified applicators of the U.S. Fish and Wildlife Service, Fisheries and Oceans Canada in programs approved by the Great Lakes Fishery Commission.

RESTRICTED USES

DIRECTIONS FOR USE:

Bayluscide Wettable Powder Lampricide may be used in the manufacture of pest control products registered in Canada or as an additive toxicant with registered pest control products containing TFM [Sea Lamprey Larvicide Lamprecid® (PCP No. 11763) and Sea Lamprey Larvicide Sea Lamprey Larvicide® (PCP No. 21124)] for control of sea lamprey larvae (*Petromyzon marinus*) in waters in the Great Lakes basin and the Lake Champlain systems.

Persons applying Bayluscide Wettable Powder Lampricide must follow Sea Lamprey Control Document No. SLC-92-001.3, “Standard Operating Procedure for Application of Lampricides in the Great Lakes Fishery Commission’s Integrated Management of Sea Lamprey (*Petromyzon marinus*) Control Program,” and ensure that the correct rates of application are used.

Application of Bayluscide Wettable Powder Lampricide 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.

Before using Bayluscide Wettable Powder Lampricide-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 bioassays or the use of a regression established by past bioassays and total alkalinity and conductivity of water.

Lethal concentrations 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 liquid chromatography to insure that minimum lethal concentrations for sea lampreys are maintained and maximum allowable concentrations are not exceeded.

Aerial applications of Bayluscide Wettable Powder Lampricide are prohibited.

MIXING AND APPLICATION DIRECTIONS:

Bayluscide Wettable Powder Lampricide is applied as an additive toxicant with TFM. Mix in proportions to produce a final stream concentration ratio, by weight, of not more than 2% niclosamide to not less than 98% 3-trifluoro-4-nitrophenol (TFM). Bayluscide Wettable Powder Lampricide may be added in two ways:

1. One method of addition is a slurry of Bayluscide Wettable Powder Lampricide 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 Bayluscide Wettable Powder Lampricide to TFM. Bayluscide Wettable Powder Lampricide is more easily added as a slurry than premixed 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 Wettable Powder Lampricide is introduced into the streams in amounts calculated to produce the desired TFM to Bayluscide Wettable Powder Lampricide 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 Wettable Powder Lampricide. The latter can be used in place of TFM because of the increased toxicity of the TFM-Bayluscide Wettable Powder Lampricide mixture over TFM alone to sea lamprey larvae.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

CAUTION: May irritate the eye. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, approved respirator (NIOSH/MSHA TC-23C-54 or equivalent), a chemical resistant suit (e.g. Tyvek), and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking and smoking. Remove contaminated clothing and wash before reuse.

Do not apply by air.

ENVIRONMENTAL HAZARDS:

This chemical is toxic to fish, aquatic invertebrates and aquatic plants. Non-target aquatic organisms may be killed at rates recommended on this label. Directions for use must be strictly followed to minimize hazards to non-target organisms. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

Local 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 systems for a 24-hour period during and after treatment

Not to be used by unauthorized personnel.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre 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 by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment.

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Probable mucosal damage may contraindicate using gastric lavage. No specific antidote is available. Treat symptomatically. Avoid alcohol.

STORAGE AND DISPOSAL

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

STORAGE: 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.

CONTAINER DISPOSAL: Thoroughly rinse empty container in the treatment area. Follow provincial instructions for

[LABEL – SECONDARY PANEL]

any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.