



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 23, 2019

Kim Fredricks  
Authorized Company Agent  
U.S. Fish and Wildlife Service  
Arlington Square Building MS 725  
Washington DC 20240

Subject: Registration Review Label Mitigation for Niclosamide  
Product Name: Bayluscide 3.2% Granular Sea Lamprey Larvicide  
EPA Registration Number: 6704-91  
Application Date: January 22, 2019  
Decision Number: 553774

Dear Kim Fredricks:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Niclosamide Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions about this letter, please contact Darius Stanton by phone at 703-347-0433, or via email at [Stanton.darius@epa.gov](mailto:Stanton.darius@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington", with a stylized flourish at the end.

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure

[Front Panel]

RESTRICTED USE PESTICIDE

Due to Aquatic Organism Toxicity, Need for Specialized Equipment and Highly Specialized Applicator Training.

For retail sale to, and use only by, USDI FWS, State Fish and Game, Fisheries and Oceans Canada, and Provincial Certified Applicators trained in sea lamprey control.

**BAYLUSCIDE 3.2% Granular Sea Lamprey Larvicide**

Active Ingredient: Niclosamide, Aminoethanol Salt<sup>1</sup> ..... 3.2%  
Inert Ingredients: ..... 96.8%  
TOTAL: ..... 100.0%

[<sup>1</sup>Niclosamide, Active Equivalent (a.e.) = 2.7%]

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

FIRST AID

Have label with you when obtaining treatment advice.

If swallowed	<ul style="list-style-type: none"><li>•Call a poison control center or doctor immediately for treatment advice.</li><li>•Have person sip a glass of water if able to swallow.</li><li>•Do not induce vomiting unless told to do so by the poison control center or doctor.</li></ul>
If on skin or clothing	<ul style="list-style-type: none"><li>•Take off contaminated clothing.</li><li>•Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>•Call a poison control center or doctor immediately for treatment advice.</li></ul>
If in eyes	<ul style="list-style-type: none"><li>•Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>•Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>•Call a poison control center or doctor or 1-800-858-7378 immediately for treatment advice.</li></ul>

**ACCEPTED**

Aug 23, 2019

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 6704-91

[Front Panel]

See Left Panel for additional precautionary statements.

Manufactured For:

Fish and Wildlife Service  
United States Department of Interior  
18<sup>th</sup> and C Streets, NW  
Washington, DC 20240

EPA Reg. No. 6704-91

EPA Establishment \_\_\_\_\_

Batch No. \_\_\_\_\_

Net Contents \_\_\_\_\_ lbs.

[Left Panel]

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

**Acute Hazards:** Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation.

**Hazard Avoidance:** Do not get in eyes, on skin, or on clothing. Wear protective clothing as listed under “Personal Protective Equipment.” Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove contaminated clothing and wash before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT:

Handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves [such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, or polyvinyl chloride (PVC), Viton]
- Socks and shoes

#### User Safety Requirements:

Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions are provided for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### User Safety Recommendations:

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should remove clothing immediately if pesticide gets inside, then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

[Left Panel]

## **ENVIRONMENTAL HAZARDS**

This chemical is toxic to fish and aquatic invertebrates. Nontarget aquatic organisms may be killed at rates recommended on this label. Directions for use must be strictly followed to minimize hazards to nontarget organisms. **Do not** contaminate water by the cleaning of equipment or disposing of equipment washwaters.

## **DIRECTIONS FOR USE**

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

### **READ THIS LABEL**

Read the entire label and Technical Operating Procedures of the Sea Lamprey Control Document No. SLC-92-001 [Manual for Application of Lampricides in the U.S. Fish and Wildlife Service Sea Lamprey (*Petromyzon marinus*) Control Program] for correct rates of application. This product must be used strictly in accordance with the label's precautionary statements and applicable use directions, as well as with all applicable State and Federal laws and regulations.

### **GENERAL INFORMATION**

This product contains a fast-acting fish toxicant which kills sea lamprey larvae in 1-2 hours. The mode of action is uncoupling of oxidative phosphorylation. As many types of nontarget aquatic species are potentially vulnerable to Bayluscide, it is necessary to use care and to follow the requirements of this label to minimize impacts.

### **USE RESTRICTIONS**

#### **Use Pattern:**

Bayluscide 3.2% Granular Sea Lamprey Larvicide is used in waters of the Great Lakes basin, the Lake Champlain system, and the Finger Lakes. This formulation may be used alone or in conjunction with applications of TFM, or the combination of TFM and Bayluscide 70% Wettable Powder Sea Lamprey Larvicide. Bayluscide 3.2% Granular Sea Lamprey Larvicide may also be used as an assessment tool in deep or turbid water. When applied to a water's surface, the granules fall rapidly to the bottom where they are lethal to sea lamprey larvae.

#### **Pre-application Notification:**

Prior to and during the application of this chemical, take all appropriate actions to notify public water users, including notification actions specified in the application manual referred to above.

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**Permits:**

Obtain any permits needed from Local, State, Provincial, and Federal wildlife agencies.

**Potable Water:**

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 turn off their irrigation systems for a 24-hour period during and after treatment.

**Unauthorized Personnel:**

May not be used by unauthorized personnel.

**PRE-APPLICATION DIRECTIONS**

**Aerial Application:**

Aerial application of this product is prohibited.

**Pretreatment Surveys:**

Prior to using Bayluscide 3.2% Granular Sea Lamprey Larvicide, pretreatment surveys must be made to determine populations of larvae.

**APPLICATION DIRECTIONS**

Persons applying Bayluscide 3.2% Granular Sea Lamprey Larvicide must follow Sea Lamprey Control Document No. SLC-92-001, "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 application rates are used. Prior to and during the application of this chemical, take appropriate actions to notify public water users, including notification actions specified in this manual. Determine water temperatures and pH. For best results, apply granules at water temperatures greater than 10 EC and pH greater than 7. Measure the area to be treated (length x width, in feet). Place markers to delineate the plot perimeter. Compute the total surface area to be treated in square feet. Application rate for Bayluscide 3.2% Granular Sea Lamprey Larvicide is 5 lb. AI/Acre. Compute the weight of granules to apply: ***lbs. of formulation required = square feet to be treated x .00359 lbs. formulation/sq. foot.*** Use equipment that can be accurately calibrated to distribute the required amount of Bayluscide 3.2% Granular Sea Lamprey Larvicide evenly over the area to be treated.

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### **STORAGE AND DISPOSAL**

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

**STORAGE:** Store only in original container, in a dry place inaccessible to children, pets, and domestic animals and where spills and leakage can be contained.

**SPILLS:** Handle and open container in a manner that will prevent spillage. If the container is leaking or material is spilled for any reason or cause, contain spill with a barrier of absorbent material. 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 below. In spill or leak incidents, keep unauthorized people away. For decontamination procedures or any other assistance that may be necessary, contact Chemtrec at 1-800-424-9300.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available or puncture and dispose in sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations.