



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 1, 2019

U.S. Fish and Wildlife Service  
c/o  
Kim Fredericks  
U.S. Geological Survey  
Upper Midwest Environmental Sciences Center  
2630 Fanta Reed Road  
La Crosse, WI 54603

Subject: Label Amendment – To correct an inadvertent error in deleting the 5-gallon container size and associated storage and disposal language  
Product Name: TFM-HP Sea Lamprey Larvicide  
EPA Registration Number: 6704-45  
Application Date: July 23, 2019  
Decision Number: 553619

Dear Ms. Fredericks:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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.

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Your release for shipment of the product 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, please contact Gene Benbow by phone at 703-347-0235, or via email at [Benbow.Gene@epa.gov](mailto:Benbow.Gene@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Gene Benbow".

Gene Benbow, Product Manager 7  
Invertebrate & Vertebrate Branch 3  
Registration Division (7505P)  
Office of Pesticide Programs

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER**

**Acute Hazards:** Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed. Harmful if absorbed through skin or inhaled.

**Hazard Avoidance:** Do not get in eyes, on skin, or on clothing. Avoid breathing vapor. Wear protective clothing as listed under "Personal Protective Equipment." Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse. Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT:**

Handlers must wear:

- Coveralls or rubber apron over long-sleeved shirt and long pants
- Chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, or polyvinyl chloride [PVC], Viton)
- Chemical-resistant footwear plus socks
- Protective eyewear (goggles or face shield)

Applicators who apply diluted product must wear:

- Chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, or polyvinyl chloride [PVC], Viton)

**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.

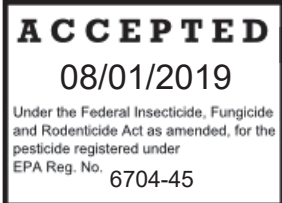
Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This chemical is toxic to fish and aquatic invertebrates. Non-target 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 by the cleaning of equipment or disposal of wastes.

**PHYSICAL AND CHEMICAL HAZARDS**

Combustible. Do not use and store near open flame



**RESTRICTED USE PESTICIDE**

DUE TO ACUTE HAZARDS TO THE EYE AND SKIN AND TO NON-TARGET ORGANISMS, NEED FOR HIGHLY SPECIALIZED APPLICATOR TRAINING, AND NEED FOR SPECIALIZED EQUIPMENT

ONLY FOR SALE TO AND APPLICATION BY CERTIFIED APPLICATORS OF THE U.S. FISH AND WILDLIFE SERVICES, FISHERIES AND OCEANS CANADA AND PROVINCIAL AND STATE FISH AND GAME EMPLOYEES

**TFM HP Sea Lamprey Larvicide  
(LAMPRECID® Sea Lamprey Larvicide)**

Active Ingredient:

TFM, 3-Trifluoromethyl-4-nitrophenol, sodium salt.....	36.5%
Other Ingredients:.....	63.5%
TOTAL:.....	100.0%

\*Equivalent to (33.0%) 3-Trifluoromethyl-4-nitrophenol  
This product contains 3.20 lbs. of TFM per gallon  
Batch No. Net Contents: 48.72 lbs/5 Gallons 52,283 lbs/5,390 Gallons

**KEEP OUT OF REACH OF CHILDREN**

**DANGER-POISON**



**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 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 inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air</li> <li>• If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible</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 immediately for treatment advice</li> </ul>

**Hot Line Number:** You may also contact 1-800-858-7378 for health concerns, emergency medical treatment information of pesticide incidents

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 6704-45  
EPA Est. 033973-SC-01

Manufactured by:

**2019**

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

**DIRECTIONS FOR USE**

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

**USE RESTRICTIONS:**

For control of Sea Lamprey Larvae (*Petromyzon marinus*) in the Great Lakes Basin, the Lake Champlain system and the Finger Lakes. Aerial applications of this product are prohibited. 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. Known 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.

**PRETREATMENT DIRECTIONS:**

Pretreatment surveys are always made to determine the presence of sea lamprey larvae. All waters in the Great Lakes Basin, the Lake Champlain system, and the Finger Lakes selected for treatment must first be analyzed on site to determine both the minimum concentration of TFM HP (LAMPRECID®) required to kill sea lamprey larvae and the maximum concentration that can be applied without causing undue mortality of non-target organisms. "Analysis" constitutes live animal toxicity tests, or the use of a multiple regression relating toxicity test results to on-site determination of total alkalinity and pH of the body of water.

**APPLICATION DIRECTIONS:**

When applying this product, do not apply in a way that will cause the concentrated product to contact unprotected workers or other persons, either directly or through drift.

Persons applying TFM HP (LAMPRECID®) must follow the Standard Operating Procedures for Application of Lampricides in the Great Lakes Fishery Commission's Integrated Management of Sea Lamprey 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.

The concentration of TFM HP (LAMPRECID®) needed to kill sea lamprey larvae may vary depending upon water chemistry. Measure volume or flow-rate and add the amount of TFM HP (LAMPRECID®) necessary at rates based on the foregoing analysis. Dispense TFM HP (LAMPRECID®) by application devices sufficiently accurate to maintain predetermined concentration. Concentration in the body of water must be monitored either by spectrophotometric analysis or high-performance liquid chromatography. TFM HP (LAMPRECID®) may be used by itself in the treatment of waters in the Great Lakes Basin, the Lake Champlain system, and the Finger Lakes. At times, however, formulations of Bayluscide (EPA REG. NO. 6704-88) may be used in combination with TFM HP (LAMPRECID®) (EPA REG. NO. 6704-45) for control of sea lamprey larvae. Application of Bayluscide may be as a simultaneous addition with TFM HP (LAMPRECID®) to reduce the amount of TFM HP (LAMPRECID®) required or as a subsequent addition downstream to enhance TFM HP (LAMPRECID®) larvicidal activity. Prior to using Bayluscide-TFM HP (LAMPRECID®), pretreatment surveys must be made to determine the presence of larvae. When using Bayluscide in combination with TFM HP (LAMPRECID®), mix in proportions that result in a final concentration of Bayluscide of not more than 2% of TFM HP (LAMPRECID® by weight (based on active ingredient). Bayluscide may be added to TFM HP (LAMPRECID®) in two ways:

1. One method of application is to apply both lampricides at the primary application site. TFM HP (LAMPRECID®) is metered into the stream while Bayluscide is applied with a separate pump system in amounts calculated to deliver the desired ratio of Bayluscide to TFM HP (LAMPRECID®). Bayluscide is applied separately to provide a uniform application and to enhance control of concentration.
2. A second application method is to apply Bayluscide into an existing TFM HP (LAMPRECID®) block. Because a TFM HP (LAMPRECID®) block can be diluted by ground water, swamp seepage, untreated tributaries, occasional rain, or other conditions that cannot be included when the application rates are calculated, the toxicity of the block in the stream must be raised by the addition of TFM HP (LAMPRECID®) or Bayluscide. The latter may be used in place of TFM HP (LAMPRECID®). In these situations, TFM HP (LAMPRECID®) alone is pumped into the stream at the primary application site. Bayluscide is introduced into the TFM HP (LAMPRECID®) block at a point or points downstream in amounts calculated to produce the desired Bayluscide to TFM ratio.

**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. **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.

**5 Gallon Containers:** 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 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.

**Isotankers: CONTAINER CLEANING:** Refillable container. Cleaning before refilling is the responsibility of the refiller. Capture heel and dispose in appropriate container. Pre-Rinse Tank and capture 15 gallons of rinse water to dispose in appropriate container. Perform a hot water flush (to ww treatment). Perform a caustic recirculated wash (Contained). Perform a final flush (to ww treatment). Blow dry container for return.