

APPENDIX E

Noxfish Fish Toxicant II PMRA Label

2017-3386
2018-11-01

NOXFISH[®] FISH TOXICANT II

**LIQUID EMULSIFIABLE
RESTRICTED**

For control of fish in lakes, ponds, reservoirs and streams

ACTIVE INGREDIENT: Rotenone..... 5.0%

This product contains aromatic solvents and petroleum distillates.

REGISTRATION NO. 33247 PEST CONTROL PRODUCTS ACT

DANGER



POISON
FLAMMABLE

EYE AND SKIN IRRITANT

READ THE LABEL BEFORE USING

NET CONTENTS _____ LITRES

Wellmark International D.B.A. Central Life Sciences
Suite 200 West
1501 East Woodfield Road
Schaumburg IL 60173
1-888-241-8088

FIRST AID:

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

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 advice.

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.

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

TOXICOLOGICAL INFORMATION:

Contains petroleum distillate - vomiting may cause aspiration pneumonia. Treat symptomatically.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Fatal or poisonous if swallowed. May be harmful if absorbed through skin. Fatal if inhaled. Causes eye and skin irritation. DO NOT inhale sprays or vapours. Do not get in eyes, on skin or on clothing. In case of contact, wash immediately with soap and water. Wash all contaminated clothing with soap and hot water before reuse. Avoid contamination of feed and foodstuffs. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment or disposal of wastes.

Do not allow recreational access (e.g., wading, swimming, boating and fishing) to treated areas while rotenone is being applied. Do not allow swimming or wading in treated water for 72 hours after last application.

Wear chemical-resistant coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, socks and chemical-resistant footwear, goggles or face shield, and either a respirator with a NIOSH-organic-vapour-removing cartridge with a prefilter approved for pesticides or a NIOSH-approved canister approved for pesticides during mixing, loading, application, clean-up and repair.

Engineering Controls for Mixing/Loading:

Mixers and loaders (except mixing/loading to support backpack sprayers) must use a closed system that is designed by the manufacturer to remove the product from the shipping container and transfer the product into mixing tanks and/or application equipment. At any disconnect point, the system must be equipped with a dry disconnect or dry couple shut-off device that will limit drippage to no more than 2 ml per disconnect. The closed mixing/loading system must function properly and be used and maintained in accordance with the manufacturer's written operating instructions.

ENVIRONMENTAL HAZARDS:

Toxic to aquatic organisms.

GENERAL INFORMATION:

NOXFISH FISH TOXICANT II is a specially formulated product containing rotenone to be used in fisheries management for the eradication of fish from lakes, streams, ponds and reservoirs.

NOXFISH FISH TOXICANT II will not solidify nor show any separation at temperatures above 4.5°C and is stable for a minimum of one year when stored in sealed drums at 21°C.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offense under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label.

NATURE OF RESTRICTION:

This product is to be used only in the manner authorized; consult local pesticide regulatory authorities about use permits that may be required. Apply this product only as specified on this label. NOXFISH FISH TOXICANT II is registered for use by or under permit from and after consultation with Provincial and Federal Fish and Wildlife Agencies.

RESTRICTED USES**USE LIMITATIONS:**

Use against fish in streams, , ponds, lakes or reservoirs. Since such factors as pH, temperature, depth, and turbidity will change effectiveness, use this product only at locations, rates and times authorized and approved by appropriate Provincial and Federal agencies. Rates must be within the range specified in the labeling. Properly dispose of dead fish and unused product. Do not use dead fish for food or feed. Do not use water treated with rotenone to irrigate crops or release within ½ km upstream of a potable water or irrigation water intake in a standing body of water, such as a lake, pond, or reservoir.

DIRECTIONS FOR USE:**FOR USE IN PONDS, LAKES, AND RESERVOIRS**

Under appropriate circumstances application can be made from shore, by boat, jet boat, helicopter or fixed-wing airplane.

Application of product by backpack should be limited to areas not treatable by other methods.

When applying by boat, product must be released below the water's surface.

Avoid contamination downstream/downlake of the treatment area, through release of rotenone-treated water, during or after treatment.

SPECIAL INSTRUCTIONS: Water alkalinity, temperature and turbidity are usually different in each type of water. Because these factors change the effectiveness of pesticides, consult your Provincial Game & Fish representative before use to determine the correct concentration of this product needed for the type of kill desired. NOXFISH FISH TOXICANT II disperses readily in

water both laterally and vertically, and will penetrate below the thermocline in thermally stratified bodies of water.

COMPUTATION OF CUBIC METRES: To determine the number of cubic metres in a given body of water, make a series of transects across the water surface taking depth measurements with calibrated pole or weighted line. Add the soundings and divide by the number of measurements made to determine the average depth. Multiply this average depth by the total surface area to find the number of cubic metres to be treated. If the surface area is unknown, contact your local Soil Conservation Service, which can determine this from aerial photographs.

AMOUNT OF NOXFISH FISH TOXICANT II NEEDED FOR SPECIFIC USES: To determine the appropriate number of litres of NOXFISH FISH TOXICANT II (5% Rotenone) needed, find your "Type of Use" in the first column of the table below and then divide the corresponding numbers in the third column, "Number of Cubic Metres Covered by One Litre" into the number of cubic metres in the body of water being treated.

Type of Use	Parts Per Million of NOXFISH FISH TOXICANT II	Number of Cubic Metres Covered by One Litre
Selective treatment	0.10 to 0.13	9,777 to 7,821
Normal pond use	0.5 to 1.0	1,955 to 978
Remove bullheads or carp	1.0 to 2.0	978 to 489
Remove bullheads or carp in rich organic ponds	2.0 to 4.0	489 to 244
Preimpoundment treatment above dam	3.0 to 4.0	244 to 196

Note: The maximum application rate for ponds, lakes and reservoirs is not to exceed 0.2 ppm rotenone. The maximum application rate for streams is not to exceed 0.05 ppm rotenone.

PRE-MIXING AND METHOD OF APPLICATION: Pre-mix with water at a rate of one litre NOXFISH FISH TOXICANT II to 10 litres of water. Uniformly apply over water surface or bubble through underwater lines.

DETOXIFICATION: NOXFISH FISH TOXICANT II treated waters detoxify under natural conditions within 1 week to 1 month, depending upon temperatures, alkalinity, etc. Rapid detoxification can be accomplished by adding chlorine or potassium permanganate to the water at the same rate as NOXFISH FISH TOXICANT II in parts per million, plus enough additional to meet the chlorine demand of the untreated water.

REMOVAL OF TASTE AND ODOUR: NOXFISH FISH TOXICANT II treated waters do not retain a detectable taste or odour for more than a few days to a maximum of one month. Taste and odour can be removed immediately by treatment with activated charcoal at a rate of 30 ppm for each 1 ppm NOXFISH FISH TOXICANT II remaining. (Note: As NOXFISH FISH TOXICANT II detoxifies, less charcoal is required.)

RESTOCKING AFTER TREATMENT: Wait 2 to 4 weeks after treatment. Place a sample of fish to be stocked in wire cages in the coolest part of the treated waters. If the fish are not killed within 24 hours, the water may be restocked.

FOR USE IN STREAMS, IMMEDIATELY ABOVE PONDS, LAKES, OR

RESERVOIRS: Allow NOXFISH FISH TOXICANT II to drain from drum directly into centre of stream at a rate of 0.9-1.8cc per minute for each 30 litres of water flowing per second in the stream (0.5-1.0 part per million NOXFISH FISH TOXICANT II or 0.025-0.05 ppm rotenone). Product must be released below the water's surface.

AERIAL APPLICATIONS:

Apply by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label. Apply at the rate determined above for the specific "Type of Use". Apply only when meteorological conditions at the treatment site allow for complete and even coverage. Apply only under conditions of good practice specific to aerial applications, as outlined in the National Aerial Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides. Avoid drifting of spray onto land or other non-target areas. Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards nearby sensitive crops, terrestrial habitats or non-target aquatic habitats.

OPERATOR PRECAUTIONS: Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted. Pilot must be in an enclosed cockpit and wear a long-sleeved shirt, long pants, shoes and socks.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear chemical-resistant coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, socks and chemical-resistant footwear, goggles or face shield, and either a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides or a NIOSH-approved canister for pesticides during mixing, loading, clean-up and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing application equipment label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

DISPOSAL

1. Triple-or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.

3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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.