

DIRECTIONS FOR USE GENERAL INFORMATION

Nusyn-Noxfish is a specially formulated product containing synergized rotenone, to be used in fisheries management for the eradication of fish from lakes, streams and reservoirs. Nusyn-Noxfish will not solidify nor show any separation at temperatures down to 40°F, and is stable for a minimum of one year when stored in sealed drums at 70°F.

DIRECTIONS

Apply this product only as specified on this label. Nusyn-Noxfish is registered for use by or under permit from and after consultation with State and Federal Fish and Wildlife Agencies.

FOR USE IN PONDS, LAKES, AND RESERVOIRS

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

Nusyn-Noxfish disperses readily in water both laterally and vertically, and will penetrate below the thermocline in thermally stratified bodies of water (U.S. Patent No. 3,098,004).

COMPUTATION OF ACRE-FOOT: AN ACRE FOOT is a unit of volume of a body of water having the area of one acre and a depth of one foot. To determine acre feet in a given body of water, make a series of transects across the water body taking depths with a measured pole or weighted line. Add the soundings and divide by the number made to determine the average depth. Multiply this average depth by the total surface to find the acre feet to be treated. If number of surface acres is unknown, contact your local Soil Conservation Service, which can determine this from aerial photographs.

AMOUNT OF NUSYN-NOXFISH NEEDED FOR SPECIFIC USES: To determine the approximate number of gallons of Nusyn-Noxfish (2.5% 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 Acre-Feet Covered by One Gallon", into the number of acre-feet in your body of water.

TYPE OF USE	Parts Per Million of 2.5% Rotenone	Number Acre-Feet Covered by One Gallon
Selective Treatment	20 to 25	15 to 12
Normal pond use	10 to 20	3.0 to 1.5
Remove bullheads or carp	20 to 4.0	1.5 to .75
Remove bullheads or carp in rich organic ponds	4.0 to 8.0	.75 to .38
Preimpoundment treatment above dam	6.0 to 10.0	.50 to .30

PRE-MIXING AND METHOD OF APPLICATION: Pre-mix with water at a rate of one gallon Nusyn-Noxfish to 10 gal. of water. Uniformly apply over water surface or bubble through underwater lines.

DETOXIFICATION: Nusyn-Noxfish 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 Nusyn-Noxfish in parts per million, plus enough additional to meet the chlorine demand of the untreated water.

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

BESTOCKING 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 Nusyn-Noxfish to drain from drum directly into center of stream at a rate of .85 - 1.7 cc. per minute for each cubic foot of water flowing per second in the stream (0.5 - 1.0 part per million Nusyn-Noxfish or 0.0125 - 0.025 ppm rotenone).

IMPORTANT - READ BEFORE PURCHASE OR USE: Purchase or use of this product shall constitute acceptance of the following terms of sale and warranty.

The Directions For Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or applications, all of which are beyond the control of Penick or the Seller. All such risks shall be assumed by the Buyer. Penick warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use, subject to the inherent risks referred to above. Penick makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Penick or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. Penick and the Seller offer this product, and the Buyer and user accept it subject to the foregoing Conditions of Sale And Warranty which may be varied only by agreement in writing signed by a duly authorized representative of Penick.

NUSYN-NOXFISH T.M.

FISH TOXICANT Liquid-Emulsifiable

ACTIVE INGREDIENTS:

Rotenone	2.5%
Other cube extractives	5.0%
Piperonyl Butoxide, Technical * ...	2.5%

INERT INGREDIENTS:	90.0%
TOTAL:	100.0%

*Equivalent to 2.0% (Butylcarbityl) (6-propylpiperonyl) ether and 0.5% related compounds.

WARNING

KEEP OUT OF REACH OF CHILDREN

SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENT.

EPA Reg. No. 432-550

EPA Est. 432-NJ-1

NET CONTENTS

ACCEPTED

OCT 19 1979

Under the Federal Insecticide, Fungicide, and Rodenticide Act, I am authorized to certify that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use, subject to the inherent risks referred to above.

PENICK Penick Corporation

1050 Wall Street West, Lyndhurst, NJ 07071 USA

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Poisonous if swallowed, or absorbed through skin. Do not get in eyes, on skin, or on clothing. Wash all contaminated clothing with soap and hot water before reuse.

ENVIRONMENTAL HAZARDS

Keep out of lakes, streams or ponds except under use conditions. Do not contaminate water by cleaning of equipment or disposal of wastes.

PHYSICAL HAZARDS

Combustible mixture. Flash point of this formulation is 115°F. DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME.

STATEMENT OF PRACTICAL TREATMENT

If swallowed, get medical attention. If in eyes, flush with water and get medical attention. If on skin, wash immediately with soap and water.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

PROHIBITIONS - DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL. OPEN DUMPING IS PROHIBITED.

PESTICIDE DISPOSAL - PESTICIDE, SPRAY MIXTURE, OR RINSATE THAT CANNOT BE USED OR CHEMICALLY PROCESSED SHOULD BE DISPOSED OF IN A LANDFILL APPROVED FOR PESTICIDES OR BURIED IN A SAFE PLACE AWAY FROM WATER SUPPLIES.

CONTAINER DISPOSAL - (A) RESEAL CONTAINER AND OFFER FOR RECONDITIONING, OR (B) TRIPLE RINSE (OR EQUIVALENT) AND: OFFER FOR RECYCLING, RECONDITIONING, OR DISPOSAL IN APPROVED LANDFILL, OR BURY IN A SAFE PLACE.

GENERAL - CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

INSTRUCTIONS FOR USE GENERAL INFORMATION

This is a specially formulated product containing synergized rotenone, to be used in the control of fish in lakes, streams and reservoirs. It is a liquid emulsifiable concentrate which will not solidify nor show any separation at temperatures down to 40°F, and is stable for one year when stored in sealed drums at 70°F.

DIRECTIONS

Apply only as specified on the label. NUSYN-NOXFISH is registered under EPA Reg. No. 432-550 and is listed with State and Federal Fish and Wildlife Agencies.

FOR USE IN PONDS, LAKES, AND RESERVOIRS

1. **TEMPERATURES:** Water at 50°F to 70°F is usually the best temperature for the effectiveness of piscicides. Consult your State Fish and Wildlife Agency before use to determine the correct concentration of this product for the type of fish.

2. **APPLY:** Apply evenly to water both laterally and vertically, and will penetrate below the surface. Do not apply directly to the bottom of the water.

3. **MEASUREMENT OF ACRES:** AN ACRE FOOT is a unit of volume of a body of water having the area of one acre and a depth of one foot. To determine acre-feet in a given body of water, make a series of measurements across the water body taking depths with a measured pole or weighted line. Add the measurements and divide by the number of measurements to determine the average depth. Multiply this average depth by the total surface to find the acre-feet to be treated. If number of surface acres is known, consult your local Soil Conservation Service, which can determine this from aerial photographs.

4. **AMOUNT OF NUSYN-NOXFISH NEEDED FOR SPECIFIC USES:** To determine the approximate number of pounds of NUSYN-NOXFISH (2.5% 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 Acre-Feet Covered by One Gallon," into the number of acre-feet in your body of water.

TYPE OF USE	Pounds Per Million of 2.5% Rotenone	Number Acre-Feet Covered by One Gallon
Protective treatment	20 to 25	15 to 12
Normal pond use	10 to 20	30 to 15
Remove bristlenose or carp	20 to 40	15 to 75
Remove bullheads or carp		
Remove muskellunge	40 to 80	75 to 35
Remove alewife or alewife		
Remove alewife or alewife	60 to 100	50 to 30

5. **MIXING AND METHOD OF APPLICATION:** Mix with water at a rate of one gallon NUSYN-NOXFISH to 10 pints of water. Uniformly apply over water surface or bubble through underwater tubes.

6. **DETORTIFICATION:** NUSYN-NOXFISH 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 NUSYN-NOXFISH in parts per million, plus enough additional to meet the chlorine demand of the treated water.

7. **REMOVAL OF TASTE AND ODOR:** NUSYN-NOXFISH treated waters do not retain a detectable taste or odor for more than a few days to a maximum of one month. Taste and odor can be removed immediately by treatment with activated charcoal at a rate of 30 ppm. For each 1 ppm NUSYN-NOXFISH in the water, use 1 lb. of activated charcoal per 100 gallons of water.

8. **TESTING AFTER TREATMENT:** Wait 2 to 4 weeks after treatment. Place a sample of fish in a bucket in a cage in the center part of the treated water. If the fish are not killed within 24 hours, the water may be restocked.

9. **USE IN STREAMS:** IMMEDIATELY ABOVE PONDS, LAKES, OR RESERVOIRS. Allow NUSYN-NOXFISH to flow from drum directly into center of stream at a rate of 85-17 cc. per minute for each cubic foot of water flowing per second in the stream (0.5-1.0 part per million NUSYN-NOXFISH or 0.0125-0.025 ppm rotenone).

10. **WARRANTY:** READ BEFORE PURCHASE OR USE. Purchase or use of this product shall constitute acceptance of the following terms of sale and warranty.

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, resistance of other materials, or the manner of use or applications, all of which are beyond the control of Penick and the Seller. All such risks shall be assumed by the Buyer. Penick warrants that its product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. Penick makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall Penick or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. Penick and the Seller offer this product and the Buyer and user accept it subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative of Penick.

NUSYN-NOXFISH. T.M.

FISH TOXICANT Liquid-Emulsifiable

ACTIVE INGREDIENTS:

Rotenone	2.5%
Other cube extractives	5.0%
Piperonyl Butoxide, Technical *	2.5%

INERT INGREDIENTS:	90.0%
TOTAL:	100.0%

*Equivalent to 2.0% (Butylcarbityl) (6-propylpiperonyl) ether and 0.5% related compounds.

WARNING

KEEP OUT OF REACH OF CHILDREN

SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENT.

BEST DOCUMENT AVAILABLE

EPA Reg. No. 432-550

EPA Est. 432-NJ-1

NET CONTENTS

ACCEPTED

OCT 19 1979

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide contained under

PENICK Penick Corporation

1050 West Street West, Lynchburg, VA 24501 USA

PRECAUTIONARY STATEMENT HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Poisonous if swallowed, or absorbed through skin. Do not get in eyes, on skin, or on clothing. Wash contaminated clothing with soap and hot water before reuse.

ENVIRONMENTAL HAZARDS

Keep out of lakes, streams or ponds except under use conditions. Do not contaminate water during cleaning of equipment or disposal of wastes.

PHYSICAL HAZARDS

Combustible mixture. Flash point of this form is 115°F. DO NOT USE OR STORE NEAR HEAT OR FLAME.

STATEMENT OF PRACTICAL TREATMENT

If swallowed, get medical attention. If in eyes, wash with water and get medical attention. If on skin, wash immediately with soap and water.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

PROHIBITIONS - DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL. DUMPING IS PROHIBITED.

PESTICIDE DISPOSAL - PESTICIDE, SPRAY MIXTURE, OR RINSATE THAT CANNOT BE USED OR CHEMICALLY PROCESSED SHOULD BE DISPOSED IN A LANDFILL APPROVED FOR PESTICIDE DISPOSAL. BURY IN A SAFE PLACE AWAY FROM SUPPLIES.

CONTAINER DISPOSAL - (A) RESEAL CONTAINER FOR OFFER FOR RECONDITIONING, OR (B) TRIPLE RINSE (OR EQUIVALENT) AND: OFFER FOR RECYCLING, RECONDITIONING, OR DISPOSAL IN A LANDFILL, OR BURY IN A SAFE PLACE.

GENERAL - CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROPRIATE ALTERNATIVE PROCEDURES.