ID 5953

Elanco Herbicide SONAR® SRP ACCEPTED

MAR 31 1986

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Or Commission for the Associate 1471-1249

Net Weight 40 Pounds

A herbicide for management of aquatic weeds in fresh water ponds, lakes, reservoir framage canals, irrigation canals and rivers.

Active ingredient:

Inert ingredients.....95%

Contains 2 pounds active ingredient per 40-pound container.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See back panel for additional precautionary and disposal statements.

EPA Registration No. 1471-126

FN 0975

Directions For Use

Read All Directions Carefully Before Applying SONAR.

SONAR® - the registered trademark for Elanco Products fluridone

Elanco Products Company A Division of Eli Lilly and Company Indianapolis, Indiana 46285

DIRECTIONS FOR USE - Read All Directions Carefully Before Applying

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

See attached literature for complete Directions for Use.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals:

CAUTION

Human: Harmful if swallowed, absorbed through wkin, or if inhaled. Avoid breathing of dust or contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Wash exposed clothing before reuse

First Aid: In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists. If swallowed, call a physician or poison control center, drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

ENVIRONMENTAL HAZARDS

Follow use directions carefully so as to minimize adverse effects on nontarget organisms. In order to avoid impact on threatened or endangered aquatic plant or animal species, users must consult their State Fish and Game Agency or the U.S. Fish and Wildlife Service before making applications.

Do not contaminate water by cleaning of equipment or disposal of wastes. Trees and shrubs growing in water treated with SONAR may be injured. Do not apply in tidewater or brackish water. Do not apply in lakes, ponds, or other bodies of water where crayfish farming is performed.

Lowest rates should be used in shallow areas where the water depth is considerably less than the average depth of the entire treatment site, for example, shallow shoreline areas.

STORAGE AND DISPOSAL

Storage: Store in original container only. Do not store near feed or foodstuffs. In case of leak or spill, contain material and dispose as w ste.

Pesticide Disposal: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

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GENERAL INFORMATION

SONAR is a highly effective broad spectrum aquatic herbicide. It is a pellet formulation that contains 5% fluridone. SONAR is not corrosive to application equipment.

SONAR is absorbed from water by plant shoots and from hydrosoil by the roots of aquatic vascular plants. It is important to maintain the maximum concentration of SONAR in contact with the weeds as long as possible. Rapid water movement or any condition which results in rapid dilution of SONAR treated water will reduce its effectiveness. Once SONAR is taken into the plant, the formation of carotene is inhibited. Its absence exposes chlorophyll to photodegradation and in seven to ten days results in plants with white (chlorotic) or pink growing points. Under optimum conditions 30 to 90 days are required before the desired level of aquatic weed management is achieved with SONAR.

For best results, apply SONAR prior to initiation of weed growth or when weeds begin actively growing.

WEED CONTROL INFORMATION

SONAR is effective in controlling the following vascular aquatic weeds:

Emersed Weeds:

Creeping Waterprimrose (<u>Ludwigia peploides</u>) Spatterdock (<u>Nuphar luteum</u>) Waterpurslane (<u>Ludwigia palustris</u>)

Submersed Weeds:

Bladderwort (Utricularia spp.)
Common coontail (Ceratophyllum demersum)
Common Elodea (Elodea canadensis)
Egeria, Brazilian Elodea (Egeria densa)
Hydrilla (Hydrilla verticillata)
Naiad (Najas spp.)
Pondweed (Potamogeton spp.)
Watermilfoil (Myriophyllum spp.)

Shoreline Grasses:

Paragrass (<u>Brachiaria mutica</u>) Reed Canarygrass (Phalaris arundinacea)

SOMAR provides partial control of the following vascular aquatic weeds:

American lotus (Nelumbo lutea)
Arrowhead (Sagittaria spp.)
Bulrush (Scirpus spp.)
Cattail (Typha spp.)
Fanwort, Cabomba (Cabomba caroliniana)
Maidencane (Panicum hemitomon)
Rush (Juncus spp.)
Smartweed (Polygonum spp.)
Spikerush (Eleocharis spp.)
Tapegrass, American Eelgrass (Vallisneria americana)
Torpedograss (Panicum repens)
Waterlily (Nymphaea spp.)

APPLICATION DIRECTIONS

The aquatic weeds present in the area to be treated should first be identified to insure that the weeds are susceptible to SONAR. It is important to determine the area (acres) to be treated and the average depth in order to select the proper SONAR rate. Apply SONAR only one time per year to a treatment site.

APPLICATION RATES

Application to Ponds:

SONAR may be applied to the entire surface area of a pond.

Average Water Depth of Treatment Site	Pounds of SONAR SRP/Treated Surface Acre
Less than three feet	10-15
Three to five feet	15-20
Greater than five feet	20-30

Within these rate ranges, the higher rate should be used at the greater water depth or where there is a dense weed population.

Application to Lakes and Reservoirs:

In lakes and reservoirs apply SONAR to areas that are greater than five acres. Treatment of narrow strips such as boat lanes or shorelines may not produce satisfactory results due to dilution with untreated water. In reservoirs, do not apply SONAR within one-fourth mile (1320 feet) of any potable water intake.

Average Water Depth of Treatment Site	Pounds of SONAR SRP/Treated Surface Acre
Three to five feet	15-30
Five to ten feet	30-60
Greater than ten feet	60-80

Within these rate ranges, the higher rate should be used at the greater water depth or where there is a dense weed mass.

Application to Drainage Canals, Irrigation Canals and Rivers:

In drainage canals, irrigation canals and rivers apply SONAR at 40 lbs. per treated surface acre. To achieve satisfactory control, water flow must be restricted for a minimum of seven days to prevent dilution of SONAR. Use an application pattern that will provide a uniform distribution and avoid concentration of the herbicide.

SONAR® (fluridone, Elanco Products Company)

DISCLAIMER OF WARRANTIES

The manufacturer makes no warranties concerning this product or its use, which extend beyond the description on the label. All other warranties, express or implied, including but not limited to, any implied warranties of merchantability and fitness for a particular purpose, are disclaimed. All statements concerning this product apply only when used as directed.

LIMITATION OF DAMAGES

Elanco's liability, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the return of the amount of the purchase price of the SONAR and under no circumstances shall Elanco be liable for special, indirect or consequential damages.

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SDC:cj Revised 02/21/86 ID 5569

Elanco Herbicide SONAR® 5P

Net Weight 40 Pounds

A herbicide for management of aquatic weeds in fresh water ponds, lakes, reservoirs, drainage canals and irrigation canals.

Active ingredient:

fluridone: 1-methyl-3-phenyl-5-[3-(trifluoromethyl) phenyl]-4(1H)-pyridinone..... 5%

Inert ingredients.....95%

Contains 2 pounds active ingredient per 40-pound routainer.

KEEP OUT OF REACH OF CHILDREN.

CAUTION ~

See back panel for additional preclutionary and disposal statements.

EPA Registration No. 1471-XXX

FN 0969

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Average Water Depth of Treatment Side	Pounds of SONAR 5P/Treated Surface Acre
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Five to ten feet	30-60 60-80
Greater than ten feet	60-80

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