(Base Label)

(Logo) DowElanco

Sonar* SRP Herbicide

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

Active ingredient:

fluridone: 1-methyl-3-phenyl-5-[3-(trifluoromethyl)
phenyl]-4(1*H*)-pyridinone 5.0%
Inert Ingredients 95.0%
Total

Contains 2 pounds active ingredient per 40 pound container.

Precautionary Statements

Hazards to Humans and Domestic Animals:

Keep Out of Reach of Children

CAUTION

Harmful If Swallowed, Absorbed Through Skin, 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:

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If in eyes: 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 meuth to an unconscious person.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

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 when disposing of equipment washwaters. Trees and shrubs growing in water treated with Sonar may occasionally develop chlorosis. Do not apply in tidewater/brackish water.

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.

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62719-12-3

Directions for Use:

- It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
- Read all Directions Carefully Before Applying Sonar.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or 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 waste.
- Pesticide Disposal: Wastes resulting from use of this product may be used according to label directions or 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 by incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

Refer to attached label booklet for additional precautionary information and Directions for Use.

Notice: Read the entire label before using. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" elsewhere on this label.

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400

Specialty Chemical: Keep away from food, feedstuffs and water supplies. Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-123

EPA Est. 1812-GA-03

*Trademark of DowElanco

DowElanco · Indianapolis, IN 46268, U.S.A.

Herbicide Net Weight - 40 Pounds

revised 02/21/92

(Label Booklet)

(Logo) DowElanco

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Active ingredient:

Contains 2 pounds active ingredient per 40-pound container.

Keep Out of Reach of Children CAUTION

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EPA Reg. Nc. 62719-123

EPA Est. 1812-GA-03

*Trademark of DowElanco

DowElanco · Indianapolis, IN 46268, U.S.A.

Herbicide Net Weight - 40 pounds

Precautionary Statements

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Sonar SRP General Information

Sonar SRP is a selective systemic aquatic herbicide for management of aquatic vegetation in fresh water ponds, lakes, reservoirs, drainage canals, imgation canals, and rivers. Sonar SRP is a pelleted formulation containing 5% fluridone. Sonar is absorbed from water by plant shoots and from hydrosoil by the roots of aquatic vascular plants. It is important to maintain the recommended 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 in treated water will reduce its effectiveness. In susceptible plants, Sonar inhibits the formation of carotene. In the absence of carotene, chlorophyll is rapidly degraded by sunlight. Herbicidal symptoms of Sonar appear in seven to ten days and appear as 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. Species susceptibility to Sonar SRP may vary depending on time of year, stage of growth and water movament. For best results, apply Sonar SRP prior to initiation of weed growth or when weeds begin active growth.

Sonar SRP is not corrosive to application equipment.

Special Use Precautions

• Obtain Required Permits: Consult with appropriate state or local water authorities before applying this product. Permits may be required by state or local public agencies.

Potable Water Intakes: In lakes and reservoirs, do not apply Sonar SRP within one-fourth mile (1320 feet) of any functioning potable water intake.

· Irrigation:

Imigation with Sonar SRP treated water may result in injury to the irrigated vegetation. DowElanco recommends informing those who irrigate from Sonar SRP treated areas of the irrigation time frames presented in the table below. These time frames are suggestions which should be followed to reduce the potential for injury to vegetation irrigated with Sonar SRP treated water:

	Days After Application		
Application Site	Established Tree Crops	Established Row Crops/ Turf/Plants	Newly Seeded Crops/Seedbeds or Areas to be Planted Including Overseeded Golf Course Greens
Ponds and Static Canals	7	30	30
Canals	7	7	30
Rivers	7	7	7
² Lakes and Reservoirs	7	7	7

¹For purposes of Sonar SRP labeling, a pond is defined as a body of water 10 acres or less in size. A lake or reservoir is greater than 10 acres.

²In lakes and reservoirs where one-half or greater of the body of water is treated, use the pond and static canal irrigation restrictions.

Weed Control Information

Vascular Aquatic Plants Controlled by Sonar SRP:

Submersed Plants:

Bladderwort (Utricularia spp.)

Common coontail (Ceratophyllum demersum)

Common Elodea (Elodea canadensis)

Egeria, Brazilian Elodea (Egeria densa)

Fanwort, Cabomba (Cabomba caroliniana)

Hydrilla (Hydrilla verticillata)

Naiad (Najas spp.)

Pondweed (Potamogeton spp., except Illinois pondweed)

Watermilfoil (Myriophyllum spp.)

Shoreline Grasses:

Paragrass (Brachiaria mutica)

Vascular Aquatic Plants Partially Controlled by Sonar SRP:

Alligatorweed (Alternanthera philoxeroides)

American lotus (Nelumbo lutea)

Cattail Typha sop.)

Creeping Waterprimrose (Ludwigia peploides)

Giant cutgrass (Zizaniopsis miliacea)

Illinois pondweed (Potamogeton illinoensis)

Parrotleather (Myriophyllum brasiliense)

Reed Canarygrass (Philaris arundinaceae)

Smartweed (Polygonum spp.)

Spatterdock (Nuphar luteum)

Spikerush (Eleocharis spp.)

Southern watergrass (Hydrochloa caroliniensis)

Torpedograss (Panicum repens)

Waterlily (Nymphaea spp.)

Waterpurslane (Ludwigia palustris)

Watershield (Brasenia schreben)

Vascular Aquatic Plants Not Controlled by Sonar SRP:

Algae (Chara and Nitella)

American frogbit (Limnobium spongia)

Arrowhead (Sagittaria spp.)

Bacopa (Bacopa spp.)

Big floatingheart, Banana Lity (Nymphoides aquatica)

Bulnush (Scirpus spp.)

Floating waterhyacinth (Eichhornia crassipes)

Maidencane (Panicum hemitomon)

Pickerelweed, lanceleaf (Pontederia cordata)

Rush (Juncus spp.)

Tapegrass, American Eelgrass (Vallisneria americana)

Waterlettuce (Pistia stratiotes)

Water pennywort (Hydrocotyle umbellata)

Application Directions

The aquatic plants present in the treatment site should be identified prior to application to determine their susceptibility to Sonar SRP. It is important to determine the area (acres) to be treated and the average depth in order to select the proper application rate. Do not exceed the maximum labeled rate for a given treatment site per annual growth cycle.

Application to Ponds

Sonar SRP may be applied to the entire surface area of a pond. Rates may be selected which are equivalent to addition of 0.06 to 0.09 ppm of active ingredient to the treated water, although actual concentrations in treated water may be substantially lower at any point in time due to the slow-release formulation of this product. Application rates of Sonar SRP necessary to obtain these active ingredient equivalents in treated water are shown in the following table. When average water depth of the treatment site is greater than 5 feet, apply 20 to 30 pounds of Sonar SRP per treated surface acre.

Average Water Depth of Treatment Site (feet)	Pounds of Sonar SRP per Treated Surface Acre
1	3.2 - 5
2	6.5 - 10
3	10 - 15
4	13 - 20
5	16 - 25

Use the higher rate within the rate range where there is a dense weed mass or when treating more difficult to control species.

Application to Lakes and Reservoirs

For best results in lakes and reservoirs, Sonar SRP treatment areas should be a minimum of 5 acres in size. Treatment of areas smaller than 5 acres or treatment of narrow strips such as boat lanes or shorelines may not produce satisfactory results due to dilution by untreated water. In lakes and reservoirs, do not apply Sonar SRP within one-fourth mile (1320 feet) of any functioning potable water intake.

Rates may be selected which are equivalent to addition of 0.075 to 0.15 ppm of active ingredient to the treated water, although actual concentrations in treated water may be substantially lower at any point in time due to the slow-release formulation of this product. Application rates of Sonar SRP necessary to obtain these active ingredient equivalents in treated water are shown in the following table. When average water depth of the treatment site is greater than 10 feet, apply 60 to 80 pounds of Sonar SRP per treated surface acre.

Average Water Depth of Treatment Site (feet)	Pounds of Sonar SRP per Treated Surface Acre
1	4-8
2	8 - 16
3	12 - 24
4	16 - 32
5	20 - 40
6	24 - 48
7	28 - 56
8	32 - 64
9	36 - 72
10	40-80

Use the higher rate within the rate range where there is a dense weed mass or when treating more difficult to control species.

Application Rate Calculation - Ponds, Lakes and Reservoirs

The amount of Sonar SRP to be applied to provide the desired ppm concentration of active ingredient equivalents in treated water may be calculated as follows:

Pounds of Sonar SRP required per treated acre = Average water depth of treatment site x
 Desired ppm concentration of active ingredient equivalents x 54

For example, the pounds per acre of Sonar SRP required to provide a concentration of 0.075 ppm of active ingredient equivalents in water with an average depth of 5 feet is calculated as follows:

 $5 \times 0.075 \times 54 = 20$ pounds per treated surface acre.

Note: Calculated rates should not exceed the maximum allowable rate in pounds per treated surface acre for the water depth listed in the application rate table for the site to be treated.

Application to Drainage Canals, Irrigation Canals and Rivers in drainage canals, irrigation canals and rivers, Sonar SRP should be applied a the rate of 40 pounds per treated surface acre. Where water retention is possible, the performance of Sonar SRP will be enhanced by restricting water flow. In slow moving budies of water, use an application pattern that will provide a uniform distribution and avoid concentration of the herbicide.

WARRANTY DISCLAIMER

DowElanco warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. DowElanco makes no other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty.

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to the label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, to nadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of DowElanco or the seller. All such risks shall be assumed by the buyer.

LIMITATION OF REMEDIES

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at DowElanco's election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used.

DowElanco shall not be liable for losses or damages resulting from handling or use of this product unless DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of DowElanco or the seller is authorized to vary or elemedies in any manner.

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revised 02/25/92

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Revisions:

- 1. Sonar SRP label reformatted and edited for clarity.
- 2. Precautionary Statements and Environmental Hazards sections updated.
- 3. Use prohibition in areas used for crayfish farming removed.
- 4. Weeds (plants) controlled section revised and plants "not controlled" by Sonar SRP added.
- Application rate recommendations for ponds, takes and reservoirs refined to provide more accurate control of herbicide concentrations in water.
- 6. Added DowElanco Warranty and Disclaimer, Inherent Risks of Use, and Limitation of Remedies sections
- 7) Precautions section revised as per EPA request.