



Sonar[®] H4C Aquatic Herbicide

FIFRA 24(c) - SPECIAL LOCAL NEED (SLN) LABEL

SePRO Corporation 11550 North Meridian Street, Suite 600, Carmel, IN 46032 USA

Sonar[®] H4C Aquatic Herbicide

EPA Reg. No. 67690-61

24(c) Special Local Need Registration (SLN NY-150003)

Classified for
"RESTRICTED USE"
in New York State
under 6NYCRR Part 326

ACCEPTED
FOR REGISTRATION

March 5, 2021

New York State Department
of Environmental Conservation
Division of Materials Management
Pesticide Product Registration

FOR DISTRIBUTION AND USE ONLY FOR THE MANAGEMENT OF HYDRILLA IN CAYUGA LAKE (STATE OF NEW YORK) AND ITS INLET TRIBUTARIES.

An herbicide for management of aquatic vegetation in fresh water ponds, lakes, reservoirs (including inlets and tributaries), potable water sources, drainage canals, irrigation canals and rivers.

ATTENTION

- It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.
- **For the state of New York, this 24(c) supplemental labeling provides directions for use, including use precautions and limitations applicable to the use of Sonar H4C and does not supersede the Directions for Use on the product/package label.**
- **This 24(c) supplemental labeling applies only for use in the management of hydrilla in Cayuga Lake (NY) and its inlet tributaries.**
- **See product label for Precautionary Statements, Environmental Hazards, First Aid, Storage and Disposal, Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies.**
- This FIFRA Section 24(c) labeling must be in the possession of the user at the time of application.
- Notice to All Pesticide Applicators in the State of New York: Before application under any project program, notification of and approval by the NYS Department of Environmental Conservation is required by an aquatic permit issued pursuant to ECL Section 15.0313(4).
- User must follow all additional water use restrictions or precautions required by a project-specific NYSDEC permit for hydrilla management in Cayuga Lake and its inlet tributaries.
- All restrictions and precautions on the EPA registered label are to be followed.

DIRECTIONS FOR USE

PRODUCT INFORMATION

Sonar H4C herbicide is a selective systemic aquatic herbicide for management of aquatic vegetation in fresh water ponds, lakes, reservoirs (including inlets and tributaries), drainage canals, irrigation canals, and rivers.

Application rates and calculations of Sonar H4C are provided to achieve a desired concentration of the active ingredient in parts per billion (ppb). **Sonar application in Cayuga Lake and inlet tributaries for hydrilla control will seek to maintain active ingredient concentrations above 3 ppb in target management areas for duration of permitted treatment program, with an average range of 3 – 5 ppb. Flow rate in the treatment area**



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and other factors can be considered to maintain a 3 ppb concentration minimum, but the sum of all applications cannot exceed 150 ppb per annual growth cycle in Cayuga Lake and inlets. This maximum concentration is based on the amount of product applied to the volume of treated water and is not determined by testing the concentration of fluridone in the treated water.

Use Restrictions and Precautions

- **Obtain Required Permits:** Consult with appropriate state or local pesticide and/or water authorities before applying this product in or around public waters. Permits and posting or treatment notification may be required by state or local public agencies.
- **Minimum water depth for application:** For management of hydrilla on Cayuga Lake and its inlet tributaries, Sonar H4C may be applied in any depth of water to meet hydrilla control objectives. **More specifically, Sonar H4C may be applied in less than 2 feet of water where deemed necessary to achieve appropriate exposure to target hydrilla plants.**
- **Hydroponic Farming:** Do not use Sonar H4C treated water for hydroponic farming unless a FastEST has been run and confirmed that concentrations are less than 1 ppb.
- **Greenhouse and Nursery Plants:** Consult with SePRO Corporation for site-specific recommendations prior to any use of Sonar H4C treated water for irrigating greenhouse or nursery plants. Without site-specific guidance from SePRO, do not use Sonar H4C treated water for irrigating greenhouse or nursery plants unless a FastEST has been run and confirmed that concentrations are less than 1 ppb.
- **Water Use Restrictions Following Applications With Sonar H4C when used to treat Cayuga Lake and its inlet tributaries (Days)**

Application Rate	Drinking [†]	Fishing	Swimming	Livestock/Pet Consumption	Irrigation ^{††}
Target Sustained Rate (3-5 ppb a.i.)	0	0	0	0	See irrigation instructions below

[†] Note below, under *Potable Water Intakes*, the information for application of Sonar H4C within ¼ mile (1,320 feet) of a functioning potable water intake.

^{††} Note below, under *Irrigation*, Sonar (fluridone) concentrations that provide the widest safety margin for irrigating with treated water.

- **Potable Water Intakes:** Do not apply Sonar H4C at application rates greater than 20 ppb within one-fourth (1/4) mile (1,320 feet) of any functioning potable water intake. At application rates up to 20 ppb, Sonar H4C may be applied where functioning potable water intakes are present.

NOTE: Existing potable water intakes which are no longer in use, such as those replaced by potable water wells or connections to a municipal water system, are not considered to be functioning potable water intakes.



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- **Irrigation:** Irrigation from a Sonar H4C treated area may result in injury to the irrigated vegetation. For the specific use for hydrilla management in Cayuga Lake, inform those who irrigate from areas treated with Sonar H4C of the following irrigation restrictions and precautions:
 - For tobacco, tomatoes, peppers or other plants within the Solanaceae Family and newly seeded crops or newly seeded grasses such as overseeded golf course greens: Do not use Sonar H4C treated water if measured fluridone concentrations are greater than 5 ppb.
 - When rotating crops: Do not plant members of the Solanaceae family in land that has been previously irrigated with fluridone concentrations in excess of 5 ppb.
 - For other irrigation uses including watering of established turf, established crops and ornamental species: There are no restrictions on irrigation as long as measured herbicide concentrations are below 10 ppb. If such values are measured, consult with SePRO on recommended approach to irrigation of these plant groups with treated water.
 - **It is recommended that a SePRO Aquatic Specialist be consulted prior to commencing irrigation with treated waters.**

APPLICATION DIRECTIONS

Application to Cayuga Lake and inlet tributaries

Where dilution of Sonar H4C with untreated water is anticipated, split or multiple applications may be used to extend the contact time to the target plants. The application rate and use frequency of Sonar H4C for hydrilla management in select areas of Cayuga Lake or its inlet tributaries will be determined on a site-specific basis within the use rates described above. For applications to select areas of Cayuga Lake or its inlet tributaries, the minimum target application rate is 1 ppb with a target sustained range in the treatment area of 3-5 ppb. Application rate should be based on local water flow rate, herbicide release rate from the pellets, FasTEST herbicide monitoring results and concurrent applications of Sonar liquids or pellets to assist with maintenance of 3 - 5 ppb target concentrations. Repeat applications may be made to maintain an active ingredient concentration minimum of 3 ppb and a target sustained range of 3 - 5 ppb over the treatment area. The sum of all fluridone applications cannot exceed 150 ppb per annual growth cycle within Cayuga Lake and its inlet tributaries.

Application Rate Calculation

The amount of Sonar H4C to be applied to provide the desired ppb concentration of active ingredient in treated water may be calculated as follows:

$$\text{Pounds of Sonar H4C required per treated acre} = \text{Average water depth of treatment site} \\ \times \text{Desired ppb concentration of active ingredient} \times 0.1$$

For example, the pounds per acre of Sonar H4C required to provide a concentration of 5 ppb of active ingredient in water with an average depth of 2 feet is calculated as follows:
 $2 \times 5 \times 0.1 = 1.0$ pounds per treated surface acre.

NOTE: Calculated rates may 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.



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