



Sonar[®] Genesis Aquatic Herbicide
FIFRA 24(c) - SPECIAL LOCAL NEED (SLN) LABEL

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

Sonar[®] Genesis Aquatic Herbicide

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

ACCEPTED
 FOR REGISTRATION

June 2, 2014

EPA Reg. No. 67690-54
 24(c) Special Local Need Registration (SLN NY-120016)

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

This label for Sonar Genesis Aquatic Herbicide expires and must not be distributed or used in accordance with this SLN registration after 31 December 2017.

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 freshwater aquatic vegetation in ponds, lakes, reservoirs -- including flowing inlet tributaries of lakes and reservoirs, potable water sources, drainage canals, and irrigation canals.

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.
- **In the state of New York, Sonar Genesis is registered under FIFRA Section 24(c) as a Special Local Need (SLN) registration. 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 Genesis 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).
- This supplemental labeling must accompany every container of Sonar Genesis (EPA Reg. No. 67690-54) sold or distributed in New York State and utilized for hydrilla management in Cayuga Lake and its inlet tributaries.
- Sonar Genesis (EPA Reg. No. 67690-54) is a Restricted Use Pesticide in New York State and may be sold, offered for sale, distributed, possessed or used only by a certified applicator or purchase permit holder.
- 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.



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DIRECTIONS FOR USE

PRODUCT INFORMATION

Sonar Genesis is a selective systemic aquatic herbicide for management of freshwater aquatic vegetation in ponds, lakes, reservoirs, including flowing inlet tributaries of lakes and reservoirs, potable water sources, drainage canals and irrigation canals, including dry or de-watered areas of these sites.

Application rates and calculations of Sonar Genesis 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 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.
- **Chemigation:** Do not apply Sonar Genesis through any type of irrigation system.
- **Hydroponic Farming:** Do not use Sonar Genesis treated water for hydroponic farming unless a FastEST has been run and confirmed that concentrations are less than 1 ppb.
- **Greenhouse and Nursery Plants:** Do not use Sonar Genesis 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 Genesis when used to treat Cayuga Lake and its inlet tributaries (Days)**

Average Water Concentration	Drinking [†]	Fishing	Swimming	Livestock/Pet Consumption	Irrigation ^{††}
3-5 ppb	0	0	0	0	See irrigation instructions below

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



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

- **Potable Water Intakes:** At target application rates allowed by this SLN label, Sonar Genesis may be applied to Cayuga Lake and inlet tributaries 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.**
- **Irrigation:** Irrigation from a Sonar Genesis treated area may result in injury to the irrigated vegetation. For hydrilla management in Cayuga Lake and its inlet tributaries, inform those who irrigate from areas treated with Sonar Genesis 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 Genesis 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.
 - **It is recommended that a SePRO Aquatic Specialist be consulted prior to commencing irrigation with treated waters.**

MIXING AND APPLICATION DIRECTIONS

Sonar Genesis may be applied or metered directly into the treated area or diluted with water prior to application. Sonar Genesis can only be applied by drip or metered application near the surface of the hydrosol using weighted or tethered hoses.

Application Rate Calculation

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

Sonar Genesis gallons required per treated surface acre = surfaces acres X average water depth of treatment site (feet) x desired ppb concentration of active ingredient x 0.0054.

Application to Cayuga Lake and inlet tributaries

Single or Repeat Treatments of Pellet Formulations to Select Areas of Cayuga Lake and its inlet tributaries

Supplemental application of Sonar pellet formulations may be used to achieve the average concentration of 3-5 ppb fluridone in the treatment area throughout the treatment cycle. The decision to use Sonar pellet formulations in select locations will be based on inlet water flow rate and FastEST herbicide monitoring results in conjunction with water quality as it impacts the concentration of fluridone in the treatment area. Pellet formulations used in less than two



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feet of water must comply with New York State special local need labeling assigned to that pellet formulation.

Application Rate Calculation for flowing water in inlet tributaries of Cayuga Lake

The amount of Sonar Genesis to be applied through a drip or metering system to provide the desired ppb concentration of active ingredient in treated water may be calculated as follows:

1. Average flow rate (feet per second) \times average canal width (ft.) \times average canal depth (ft.) \times 0.9 = CFS (cubic feet per second).
2. CFS \times 1.98 = acre feet per day (water movement).
3. Acre feet per day \times desired ppb \times 0.0054 = Gallons Sonar Genesis required per day

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EPA Registration No. 67690-54

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