



FIFRA 24(C)

SPECIAL LOCAL NEED (SLN) LABEL

SePRO Corporation 11550 N. Meridian St., Suite 600, Carmel, IN 46032 USA www.sepro.com

DOC ID 538642

Classified for
"RESTRICTED USE"

GROUP 4 HERBICIDE

ACCEPTED
FOR REGISTRATION

in New York State
under 6NYCRR Part 326

May 16, 2014

Renovate[®] OTF Aquatic Herbicide

EPA Reg. No. 67690-42

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

**EPA 24(c) Special Local Need Registration SLN NY-070004
(For Distribution and Use Only in the State of New York)**

For Control of Emerged, Submersed and Floating Aquatic Weeds in the Following Aquatic Sites: Ponds; Lakes; Reservoirs; Marshes; Wetlands; Impounded Rivers, Streams and Other Bodies of Water that are Quiescent; Non-Irrigation Canals, Seasonal Irrigation Waters and Ditches which have Little or no Continuous Outflow.

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.
- This FIFRA Section 24(c) labeling must be in the possession of the user at the time of application.
- **See product label for Precautionary Statements, Environmental Hazards, First Aid, Storage and Disposal, Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies.**
- **In the state of New York, Renovate[®] OTF 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 use of Renovate[®] OTF, and supersedes directions for use on the product label.**
- **Note to all pesticide applicators in the State of New York:** Before application under any project program, notification of an approval by the NYS Department of Environmental Conservation is required, either by an aquatic permit issued pursuant to ECL Section 15.0313(4) or issuance of purchase permits for such use.
- Use of Renovate[®] OTF according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Renovate[®] OTF.
- Renovate OTF (EPA Reg. No. 67690-42) 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.
- All restrictions and precautions on the EPA registered label are to be followed.

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DIRECTIONS FOR USE

Use Renovate® OTF for control of emersed, submersed and floating aquatic weeds in the following aquatic sites: ponds; lakes; reservoirs; marshes; wetlands; impounded rivers, streams and other bodies of water that are quiescent; non-irrigation canals, seasonal irrigation waters and ditches which have little or no continuous outflow.

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.

Recreational Use of Water in Treatment Area: DO NOT swim in water treated with Renovate® OTF for three (3) hours after treatment. There are no restrictions on use of water in the treatment area for fishing.

Livestock Use of Water from Treatment Area: There are no restrictions on livestock consumption of water from the treatment area.

Use Precautions and Restrictions

- Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.
- **Chemigation:** Do not apply this product through any type of irrigation system.
- Do not apply to tidal salt water bays or estuaries.
- Do not apply directly to un-impounded rivers or streams.
- Do not apply where runoff water may flow onto agricultural land as injury to crops may result.

APPLICATION TO WATERS USED FOR IRRIGATION

Irrigation Restrictions

- Do not use treated water for irrigating greenhouse or nursery plants unless triclopyr concentrations are confirmed to be less than 1 ppb as determined using FasTEST® or other analytical techniques.
- Do not use water treated with Renovate® OTF for hydroponic farming unless triclopyr concentrations are confirmed to be less than 1 ppb as determined by FasTEST® or other analytical techniques.
- Do not apply Renovate OTF directly to, or otherwise permit it to come into direct contact with grapes, tobacco, vegetable crops, flowers, or other desirable broadleaf plants, and do not permit dust to drift into these areas.
- This label describes both required and recommended uses of a chemical analysis for the active ingredient, triclopyr. SePRO Corporation recommends the use of



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FasTEST® analysis for the determination of the active ingredient concentration in water. Contact SePRO Corporation for the incorporation of this analysis in your treatment program. Other proven chemical analysis for the active ingredient may also be used. The FasTEST® analysis is referenced in this label as the preferred method for the rapid determination of the concentration of the active ingredient in the water.

- **Non-Food Crop Irrigation:** There is no restriction on use of treated water to irrigate established grasses. If treated water is intended to be used to irrigate other non-crop areas not labeled for direct treatment with triclopyr (e.g., landscape ornamentals) or for other irrigation uses not described, consult with SePRO Corporation prior to commencing irrigation if triclopyr concentrations exceed 1.0 ppb.
- **Food Crop Irrigation:** Water treated with Renovate OTF may not be used for crop or food-crop irrigation purposes for 120 days after application or until triclopyr concentrations are determined by laboratory analysis, or other appropriate means of analysis, to be 1.0 ppb or less. These restrictions apply to all applications of Renovate OTF where water could be used for irrigation of crops or food-crops, including:
 - Seasonal Irrigation Waters: Renovate OTF may be applied during the off-season to surface waters that are used for irrigation on a seasonal basis.
 - Irrigation Canals/Ditches: Those currently being used to transport irrigation water or that will be used for irrigation within 120 days following treatment

APPLICATIONS TO POTABLE WATER SOURCES

For applications of Renovate OTF to control floating, emersed, and submersed weeds in sites that contain a functioning potable water intake for human consumption, see Table 1 to determine the minimum setback distances of the application from the functioning potable water intakes.

| TABLE 1 | | | | | |
|--|--|--|--|--|--|
| CONCENTRATION OF TRICLOPYR ACID IN WATER (PPM AE) | | | | | |
| Area Treated (acres) | 0.75 ppm | 1 ppm | 1.5 ppm | 2 ppm | 2.5 ppm |
| | Required Setback Distance (ft) from Potable Water Intake | | | | |
| <4 | 1,300 | 1,700 | 2,500 | 3,400 | 4,200 |
| >4 - 8 | 1,700 | 2,300 | 3,500 | 4,600 | 5,800 |
| >8 - 16 | 2,400 | 3,300 | 4,900 | 6,500 | 8,200 |
| >16 - 32 | 3,500 | 4,600 | 6,900 | 9,200 | 11,500 |
| >32 acres, calculate a setback using the formula for the | Setback (ft) = sqrt [†] [(4,102,708 X acres | Setback (ft) = sqrt [†] [(4,102,708 X acres | Setback (ft) = sqrt [†] [(4,102,708 X acres | Setback (ft) = sqrt [†] [(4,102,708 X acres | Setback (ft) = sqrt [†] [(4,102,708 X acres |



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| | | | | | |
|------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|--------------------------|
| appropriate rate | treated) + 981,690.7] / 3.33 | treated) + 981,690.7] / 2.50 | treated) + 981,690.7] / 1.67 | treated) + 981,690.7] / 1.25 | treated) + 981,690.7] |
|------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|--------------------------|

†Sqrt = Square Root

Example Calculation 1: to apply 2.5 ppm Renovate® OTF to 50 acres:

$$\begin{aligned}
\text{Setback in feet} &= \text{sqrt} [(4,102,708 \times 50) + 981,690.7] \\
&= \text{sqrt} [206,117,091] \\
&= 14,357 \text{ feet} \\
&= \mathbf{14,400 \text{ feet (rounded to nearest 100 feet)}}
\end{aligned}$$

Example Calculation 2: to apply 0.75 ppm Renovate® OTF to 50 acres:

$$\begin{aligned}
\text{Setback in feet} &= \frac{\text{sqrt} [(4,102,708 \times 50) + 981,690.7]}{3.33} \\
&= \frac{\text{sqrt} [206,117,091]}{3.33} \\
&= \frac{14,356.78}{3.33} \\
&= 4,311 \text{ feet} \\
&= \mathbf{4,300 \text{ feet (rounded to nearest 100 feet)}}
\end{aligned}$$

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. Also, a general use water intake that is documented to not have potable use is not considered a functioning potable water intake. These setback restrictions do not apply to terrestrial applications made adjacent to potable water intakes.

To apply Renovate OTF around and within the distances noted above from a functioning potable water intake, the intake must be turned off until the triclopyr level in the intake water is determined to be 50 parts per billion (ppb) or less by laboratory analysis, or other appropriate means of analysis.

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BEST MANAGEMENT PRACTICES FOR DRIFT MANAGEMENT

Equipment used in the application of Renovate OTF should be carefully calibrated to ensure it is working properly and delivering a uniform distribution pattern. Make aerial application only when the wind velocity is 2 to 10 mph.

Applications may be made only when there is little or no hazard for volatility or dust drift, and when application can maintain Renovate OTF placement in the intended area. Very small quantities of dust, which may not be visible, may seriously injure susceptible plants, and Renovate OTF may be blown outside of the intended treatment area under extreme conditions. Do not spread Renovate OTF when wind is blowing toward susceptible crops or ornamental plants that are near enough to be injured.

Avoiding drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for drift. The applicator is responsible for considering all these factors when making decisions.

Ground Application Equipment: To aid in reducing drift, Renovate OTF may be applied when wind velocity is low (follow state regulations; see *Sensitive Area* under *Aerial Drift Reduction Advisory* below) or using a slurry injection or eductor system.

AERIAL DRIFT REDUCTION ADVISORY

This section is advisory in nature and does not supersede the mandatory label requirements.

Application Height: Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces drift potential.

Swath Adjustment: When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (e.g. higher wind).

Wind: Drift potential is lowest between wind speeds of 2 - 10 mph (follow state regulations). However, many factors, including equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect drift.

Sensitive Areas: Renovate OTF should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, known habitat for threatened or



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endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

| TABLE 2 | | |
|--|--|---|
| AQUATIC WEEDS CONTROLLED BY RENOVATE OTF | | |
| alligatorweed | milfoil species | white water lily (<i>Nymphaea</i> spp.) |
| American lotus | parrotfeather ^{††} | water primrose (<i>Ludwigia</i> spp.) |
| bladderwort | pickerelweed | watershield (<i>Brasenia</i> spp.) |
| Eurasian watermilfoil | pennywort | yellow water lily (<i>Nuphar</i> spp., spatterdock) |
| Flowering rush | smartweed | |
| hybrid milfoil (<i>Myriophyllum spicatum</i> x <i>sibiricum</i>) | water chestnut [†] ^{††} | |

[†] Not for use in California

^{††}Retreatment may be needed to achieve desired level of control.

APPLICATION METHODS

Surface Application

Use a mechanical spreader such as a fertilizer spreader, blower or mechanical seeder, or similar equipment capable of uniformly applying Renovate OTF. Before spreading any product, carefully calibrate the application equipment. When using boats and power equipment, you must determine the proper combination of (1) boat speed, (2) rate of delivery from the spreader, and (3) width of swath covered by the granules.

Use the following formula to calibrate the spreader's delivery in pounds of Renovate OTF per minute:

$$\text{Pounds per Minute} = \frac{\text{miles per hour} \times \text{swath width (feet)} \times \text{pounds per acre}}{495}$$

Aerial Application (Helicopter Only)

Ensure uniform application. All equipment should be properly calibrated using blanks with similar physical characteristics to Renovate **OTF**. To avoid streaked, uneven or overlapped application, use an appropriate tracking device (e.g. GPS). Refer to the *Aerial Drift Reduction Advisory* section of this label for additional precautions and instructions for aerial application.



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Floating and Emerged Weeds

For control of water lily's (*Nymphaea* spp. and *Nuphar* spp.), watershield (*Brasenia* spp.), and other susceptible emerged and floating herbaceous weeds, apply 1.0 to 2.5 ppm a.e. triclopyr per acre. Apply when plants are actively growing.

Use higher rates in the rate range when plants are mature, when the weed mass is dense, in areas of greater water exchange, or for difficult to control species. Repeat as necessary to control regrowth, but do not exceed a total of 2.5 ppm a.e. triclopyr for the treatment area per annual growing season.

Submersed Weeds

For control of Eurasian watermilfoil (*Myriophyllum spicatum*) and other susceptible submersed weeds, select the rates of Renovate OTF according to Table 3 to provide a triclopyr concentration of 0.50 to 2.5 ppm a.e. in treated water. Use of higher rates in the rate range is recommended in areas of greater water exchange. These areas may require a repeat application. Split treatments over relatively short periods of time (e.g., 1 to 4 days) may be effective in some areas (e.g. small sites or sites with higher dilution potential) to maintain adequate exposure with target plants. However, total application of Renovate OTF must not exceed an application rate of 2.5 ppm a.e. triclopyr for the treatment area per annual growing season.

For optimal control, apply when Eurasian watermilfoil or other submersed weeds are actively growing.

| TABLE 3 | | | | | | |
|---|--------------------------|----------|---------|---------|---------|---------|
| CONCENTRATION OF TRICLOPYR ACID IN WATER (PPM A.E.) | | | | | | |
| Average Water Depth (ft) | 0.5 ppm | 0.75 ppm | 1.0 ppm | 1.5 ppm | 2.0 ppm | 2.5 ppm |
| | Pounds Renovate OTF/Acre | | | | | |
| 1 | 14 | 20 | 27 | 41 | 54 | 67 |
| 2 | 27 | 41 | 54 | 81 | 108 | 135 |
| 3 | 41 | 61 | 81 | 122 | 162 | 202 |
| 4 | 54 | 81 | 108 | 162 | 216 | 270 |

For applications greater in depth than 4 feet, when targeting difficult to control species, and/or in sites with high dilution potential, the following formula should be used to calculate applications rates should greater than 270 pounds of Renovate OTF be needed to achieve desired weed control. NOTE: Do not exceed 2.5 ppm a.e. triclopyr for the treatment area per annual growing season.

Pounds of Renovate OTF per Acre = average depth x target ppm x 27



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Example Calculation:

6 foot average depth x 2.5 ppm x 27 = 405 pounds of Renovate OTF per acre.

Wetland Sites

Wetlands include flood plains, deltas, marshes, swamps, bogs, and transitional areas between upland and lowland sites. Wetlands may occur within forests, wildlife habitat restoration and management areas and similar sites as well as areas adjacent to or surrounding domestic water supply reservoirs, lakes and ponds.

For control of emerged, floating or submersed aquatic weeds in wetland sites, follow use directions and application methods associated with the *Floating and Emerged* or *Submersed* sections on this label.

Use Precautions

Minimize unintentional application to open water when treating target vegetation in wetland sites.

IF ANY CONTENT ON THIS LABEL IS NOT UNDERSTOOD, OR YOU NEED FURTHER ASSISTANCE, CONTACT A SEPRO AQUATIC SPECIALIST WITH QUESTIONS SPECIFIC TO YOUR APPLICATION.

Renovate is a registered trademark of Dow AgroSciences LLC.

Manufactured by: SePRO Corporation, 11550 North Meridian Street, Suite 600, Carmel, IN 46032 U.S.A.

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