

# FIFRA 24(C)



## SPECIAL LOCAL NEED (SLN) LABEL

SePRO Corporation 11550 N. Meridian St., Suite 600, Carmel, IN 46032 USA [www.sepro.com](http://www.sepro.com)

### Renovate<sup>®</sup> OTF Aquatic Herbicide

EPA Reg. No. 67690-42

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 Aquatic Sites**

#### ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Renovate<sup>®</sup> OTF before applying. Carefully follow all precautionary statements and applicable use directions.
- **In the state of New York, Renovate<sup>®</sup> 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<sup>®</sup> OTF, and supersedes directions for use on the product label.**
- **Note to all pesticide applicators:** 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<sup>®</sup> OTF according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Renovate<sup>®</sup> OTF.

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#### DIRECTIONS FOR USE

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Use Renovate<sup>®</sup> OTF 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.

Refer to the product label of Renovate<sup>®</sup> OTF for *Precautionary Statements*, *Environmental Hazards* and *Storage and Disposal*.

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### General Use Precautions and Restrictions

- **Chemigation:** **Do not** apply this product through any type of irrigation system.
- **Irrigation:** Water treated with Renovate<sup>®</sup> OTF may not be used for irrigation purposes for 120 days after application or until triclopyr residue levels are determined by laboratory analysis, or other appropriate means of analysis, to be 1.0 ppb or less. This label describes both required and recommended uses of a chemical analysis for the active ingredient, triclopyr. SePRO Corporation recommends the use of an Enzyme-Linked Immunoassay (ELISA) test 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 ELISA analysis is referenced in this label as the preferred method for the rapid determination of the concentration of the active ingredient in the water.
  - **Seasonal Irrigation Waters:** Renovate<sup>®</sup> OTF may be applied during the off-season to surface waters that are used for irrigation on a seasonal basis, provided that there is a minimum of 120 days between Renovate<sup>®</sup> OTF application and the first use of treated water for irrigation purposes or until triclopyr residue levels are determined by laboratory analysis, or other appropriate means of analysis, to be 1.0 ppb or less.
  - **Irrigation Canals/Ditches:** **Do not** apply Renovate<sup>®</sup> OTF to irrigation canals/ditches unless the 120 day restriction on irrigation water usage can be observed or triclopyr residue levels are determined by laboratory analysis, or other appropriate means of analysis, to be 1.0 ppb or less.
- **There is no restriction on use of treated water to irrigate established grasses.**
- **Do not** apply Renovate<sup>®</sup> 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.
- **Do not** apply to salt water bays or estuaries.
- **Do not** apply directly to un-impounded rivers or streams.
- **Do not** apply on ditches or canals currently being used to transport irrigation water or that will be used for irrigation within 120 days following treatment or until triclopyr residue levels are determined to be 1.0 ppb or less.
- **Do not** apply where runoff water may flow onto agricultural land as injury to crops may result.
- **Grazing and Haying Restrictions:** Except for lactating dairy animals, there are no grazing restrictions following application of this product.

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- **Grazing Lactating Dairy Animals:** Do not allow lactating dairy animals to graze treated areas until the next growing season following application of this product.
- Do not harvest hay for 14 days after application.
- Grazed areas of non-cropland and forestry sites may be spot treated if they comprise no more than 10% of the total grazable area.
- **Slaughter Restrictions:** During the season of application, withdraw livestock from grazing treated grass at least 3 days before slaughter.

### **Best Management Practices for Drift Management**

Equipment used in the application of Renovate<sup>®</sup> OTF should be carefully calibrated to be sure it is working properly and delivering a uniform distribution pattern. Aerial application should be made only when the wind velocity is 2 to 10 mph.

Applications should be made only when there is little or no hazard for volatility or dust drift, and when application can maintain Renovate<sup>®</sup> OTF placement in the intended area. Very small quantities of dust, which may not be visible, may seriously injure susceptible plants, and Renovate<sup>®</sup> OTF may be blown outside of the intended treatment area under extreme conditions. Do not spread Renovate<sup>®</sup> 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<sup>®</sup> OTF should be applied when wind velocity is low (follow state regulations; see *Sensitive Area* under *Aerial Drift Reduction Advisory* below) or using a slurry injection 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

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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<sup>®</sup> OTF should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, known habitat for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

### Aquatic Weeds Controlled by Renovate<sup>®</sup> OTF

alligatorweed	parrotfeather <sup>†</sup>	yellow water lily (Nuphar spp., spatterdock)
American lotus	pickerelweed	water chestnut <sup>†</sup>
bladderwort	pennywort	water primrose (Ludwigia spp.)
Eurasian watermilfoil	smartweed	watershield (Brasenia spp.)
milfoil species		white water lily (Nymphaea spp.)

<sup>†</sup>Retreatment may be needed to achieve desired level of control.

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## APPLICATION METHODS

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### Surface Applications

Use a mechanical spreader such as a fertilizer spreader or mechanical seeder or similar equipment capable of uniformly applying Renovate<sup>®</sup> 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<sup>®</sup> OTF per minute:

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

### Aerial Application (Helicopter Only)

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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.

### **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 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 a.e. triclopyr for the treatment area per annual growing season.

### **Submersed Weeds**

**For control of Eurasian watermilfoil (*Myriophyllum spicatum*) and other susceptible submerged weeds in ponds, lakes, reservoirs, impounded rivers, streams and other bodies of water that are quiescent; non-irrigation canals, and seasonal irrigation waters, or ditches that have little or no continuous outflow, apply Renovate® OTF using mechanical or portable granule spreading equipment. Rates should be selected according to the rate chart below to provide a triclopyr concentration of 0.5 to 2.5 ppm ae 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. However, total application of Renovate® OTF must not exceed an application rate of 2.5 ppm ae triclopyr for the treatment area per annual growing season.**

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

CONCENTRATION OF TRICLOPYR ACID IN WATER (PPM A.E.)					
Avg. Water Depth (ft)	0.5 ppm	1.0 ppm	1.5 ppm	2.0 ppm	2.5 ppm
	Pounds Renovate® OTF / acre				
1	14	27	41	54	67
2	27	54	81	108	135
3	41	81	122	162	202

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4	54	108	162	216	270
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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.

**average depth x target ppm x 27 = pounds of Renovate® OTF per acre**

### Example Calculation:

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

### Precautions for Potable Water Intakes:

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 the chart below to determine the minimum setback distances of the application from the functioning potable water intakes.

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 appropriate rate	Setback (ft) = $\sqrt{[(4,102,708 \times \text{X acres treated}) + 981,690.7]} / 3.33$	Setback (ft) = $\sqrt{[(4,102,708 \times \text{X acres treated}) + 981,690.7]} / 2.50$	Setback (ft) = $\sqrt{[(4,102,708 \times \text{X acres treated}) + 981,690.7]} / 1.67$	Setback (ft) = $\sqrt{[(4,102,708 \times \text{X acres treated}) + 981,690.7]} / 1.25$	Setback (ft) = $\sqrt{[(4,102,708 \times \text{X acres treated}) + 981,690.7]}$

<sup>†</sup>Sqrt = Square Root

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

$$\begin{aligned} \text{Setback in feet} &= \sqrt{[(4,102,708 \times 50) + 981,690.7]} \\ &= \sqrt{[206,117,091]} \end{aligned}$$

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$$\begin{aligned} &= 14,357 \text{ feet} \\ &= \mathbf{14,400 \text{ feet (rounded to nearest 100 feet)}} \end{aligned}$$

**Example Calculation 2:** to apply 0.75 ppm Renovate<sup>®</sup> OTF to 50 acres:

$$\text{Setback in feet} = \frac{\text{sqrt} [(4,102,708 \times 50) + 981,690.7]}{3.33}$$

$$= \frac{\text{sqrt} [206,117,091]}{3.33}$$

$$= \frac{14,356.78}{3.33}$$

$$= 4,311 \text{ feet}$$

$$= \mathbf{4,300 \text{ feet (rounded to nearest 100 feet)}}$$

**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. These setback restrictions do not apply to terrestrial applications made adjacent to potable water intakes.

To apply Renovate<sup>®</sup> 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 immunoassay.

- **Recreational Use of Water in Treatment Area:** DO NOT swim in water treated with Renovate<sup>®</sup> 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.

### 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.



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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. **Note:** Consult local public water control authorities before applying this product in and around public water. Permits may be required to treat such areas.

**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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