

Specimen Label

Renovate[®] MAX G

Aquatic Herbicide



**FOR CONTROL OF AQUATIC WEEDS IN PONDS;
LAKES; RESERVOIRS; MARSHES; BAYOUS;
DRAINAGE DITCHES; NON-IRRIGATION CANALS;
AND RIVERS AND STREAMS THAT ARE QUIESCENT
OR SLOW-FLOWING.**

Active Ingredient

triclopyr: 3,5,6-trichloro-2-pyridinyloxyacetic acid,
triethylamine salt.....4.0%
2,4-dichlorophenoxyacetic acid, dimethylamine salt.....14.0%

Other Ingredients.....82.0%

TOTAL.....100.0%

Acid equivalence (a.e.): 14.4%

NOTICE: Read the entire label. Use only according to label directions. **Before using this product, read *Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies* at end of label booklet. If terms are unacceptable, return at once unopened.**

For additional information on our products, please visit
www.sepro.com.

EPA Reg. No. 67690-50
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Renovate is a registered trademark of Dow AgroSciences LLC.
SePRO Corporation 11550 N. Meridian Street, Suite 600, Carmel, IN 46032 U.S.A.

Precautionary Statements

Hazards to Humans and Domestic Animals

Causes substantial, but temporary eye injury. Harmful if swallowed. Avoid contact with skin or clothing. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Wear long-sleeved shirt and long pants, socks, and shoes.

Keep Out of Reach of Children WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.
If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 - 20 minutes.• Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of emergency endangering health or the environment involving this product, call **INFOTRAC** at **1-800-535-5053**.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All loaders, applicators, and other handlers must wear:

- Long-sleeve shirt and long pants;
- Shoes and socks; and
- Protective eyewear.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENGINEERING CONTROLS

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

ENVIRONMENTAL HAZARDS

Fish breathe dissolved oxygen in the water and decaying weeds also use oxygen. When treating continuous, dense weed masses, it may be appropriate to treat only part of the infestation at a time. For example, in quiescent waters, apply the product to areas separated by untreated sections that can be treated after vegetation in treated areas has disintegrated. During the growing season, weeds decompose in a 2 to 4 week period following treatment. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas. Waters having limited and less dense weed infestations may not require partial treatments.

AGRICULTURAL CHEMICAL: Do not ship or store with food, feeds, drugs or clothing.

Directions for Use

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.

GENERAL INFORMATION

Renovate MAX G herbicide may be applied directly to water for the control of aquatic weeds. Renovate MAX G enhances target weed control, and provides selective control of many broadleaf weeds in: ponds; lakes; reservoirs; marshes; bayous; drainage ditches; non-irrigation canals; and rivers and streams that are quiescent or slow-flowing.

Renovate MAX G is formulated on biodegradable granules that, when applied to water bodies, immediately delivers Renovate MAX G down to the critical area for controlling target weeds. Renovate MAX G is quickly absorbed from the water through plant stems and foliage and from the hydrosol by roots. Herbicidal symptoms are initially expressed 2 to 14 days following application and usually involve bending and twisting of apical sections and shoots of susceptible plants. Initial symptoms are followed by necrosis of terminal buds and above ground tissue.

Generally, target plants are controlled within 2 to 4 weeks after treatment, but depending on conditions and plant species can take up to 8 weeks for complete control.

When applying Renovate MAX G follow all applicable use directions, precautions and limitations. All Renovate MAX G concentrations referred to in this label are based on acid equivalence (a.e.).

Obtain Required Permits: Consult with the State or local agency with primary responsibility for pesticide regulation before applying to public waters to determine if a permit or public notification is required.

Recreational Use of Water in Treatment Area: There are no restrictions on the use of treated water for recreational purposes, including swimming, fishing and domestic purposes.

Livestock Use of Water from Treatment Area: There are no restrictions on consumption of treated water for potable use by livestock, pets, or other animals.

GENERAL 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.
- **Do not** enter or allow people (or pets) to enter the treated area until dusts have settled.
- For requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.
- **Chemigation: Do not** apply Renovate MAX G through any type of irrigation system.
- **Do not** apply to salt water bays or estuaries.
- Applications to target areas are limited to two (2) per season.
- Apply a maximum of 93.7 pounds of Renovate MAX G (13.5 lbs a.e.)/acre-foot per application. **Do not** exceed 5.0 ppm during any single application.
- **Do not** apply within 21 days of previous application except when conducting split treatments. Split treatments, over relatively short periods of time (e.g. 1 to 4 days), may be effective in some areas to maintain adequate exposure with target plants, such as small sites or sites with higher dilution potential.
- When treating moving bodies of water, applications must be made while traveling upstream to prevent concentration of herbicide downstream from the application.

APPLICATION TO WATERS USED FOR IRRIGATION

Irrigation Restrictions

- **Do not** use treated water for irrigating greenhouse or nursery plants unless triclopyr and 2,4-D residues are confirmed to be less than 1 ppb by laboratory analysis.
- **Do not** use water treated with Renovate MAX G for hydroponic farming.
- **Do not** apply Renovate MAX G directly to, or otherwise permit it to come into direct contact with grapes, tobacco, vegetable crops, flowers, or other desirable susceptible broadleaf plants, and do not permit dust to drift into these areas.
- This label describes both required and recommended uses of a chemical analyses for the active ingredients, triclopyr and 2,4-D. SePRO Corporation recommends the use of an Enzyme-Linked Immunoassay (ELISA) test for the determination of Renovate MAX G concentration in water. Contact SePRO Corporation for the incorporation of these analyses into your treatment program. Other proven chemical analysis for the active ingredients 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 ingredients in the water. Both triclopyr and 2,4-D can be analyzed from a single water sample.
- If Renovate MAX G treated water is intended to be used only for crops or non-crop areas that are labeled for direct treatment with triclopyr and 2,4-D such as pastures, turf, or established grasses, the treated water may be used to irrigate and/or mix sprays for these sites at any time during and after application.
- Due to potential phytotoxicity and/or residue considerations, the following restrictions are applicable to other uses of irrigation water:
 - If treated water is intended to be used to irrigate or mix sprays for crops not labeled for direct treatment with triclopyr and 2,4-D, the water must not be used unless **one** of the following restrictions has been observed:
 - A waiting period of 120 days from the time of application has elapsed; or
 - An approved assay indicates that the triclopyr concentration is 1.0 ppb or less and the 2,4-D concentration is 100 ppb or less at the water intake. See Table 2 (*SAMPLING FOR DRINKING WATER ANALYSES*) for the recommended waiting periods after application but before taking the initial water sample at water intake.
 - If treated water is intended to be used to irrigate non-crop areas not labeled for direct treatment with triclopyr and 2,4-D (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 and 2,4-D concentrations are greater than 100 ppb.

APPLICATIONS TO POTABLE WATER SOURCES

Potable Water Restrictions

- The potable water use restrictions on this label are to ensure that consumption of water by the public is allowed only when the concentration of triclopyr in water is less than 400 ppb and the concentration of 2,4-D in water is less than the MCL (Maximum Contaminant Level) of 70 ppb. Applicators should consider the unique characteristics of the treated waters to assure that triclopyr and 2,4-D concentrations in potable water do not exceed 400 ppb and 70 ppb, respectively, at the time of consumption.
- The drinking water setback distances from functioning potable water intakes are provided in Table 1 (*DRINKING WATER SETBACK DISTANCES*).

Table 1: Drinking Water Setback Distances

Application concentration and minimum setback distance (ft) from functioning potable water intake			
≤ 1 ppm [†]	1.1 to 2.0 ppm [†]	2.1 to 3.0 ppm [†]	3.1 to 5 ppm [†]
600	1,200	1,800	2,400

[†] ppm acid equivalent target water concentration

- Following each application of Renovate MAX G, treated water must not be used for potable water unless **one** of the following restrictions has been observed:
 - A setback distance described in Table 1 was used for the application;
 - A waiting period of at least 21 days from the time of application has elapsed; or
 - An approved assay indicates that the triclopyr concentration is 400 ppb or less and the 2,4-D concentration is 70 ppb or less at the water intake. Sampling for drinking water analyses should occur no sooner than stated in Table 2. **NOTE:** Sampling for drinking water analysis should occur no sooner than 3 days after Renovate MAX G application. Analysis of 2,4-D in drinking water samples must be completed by a laboratory that is certified under the Safe Drinking Water Act to perform drinking water analysis using a currently approved version of analytical Method Number 515, 555, other methods for 2,4-D as may be listed in Title 40 CFR, Part 141.24, or Method Number 4015 (immunoassay of 2,4-D) from U.S. EPA Test Methods for Evaluating Solid Waste SW-846.

Table 2: Sampling for Drinking Water Analyses[†]

Minimum days after application before initial water sampling at the functioning potable water intake		
≤ 1 ppm ^{††}	1.1 to 3.0 ppm ^{††}	3.1 to 5.0 ppm ^{††}
5	10	14

[†] These are general guidelines; the amount of time required for residues to reach concentrations acceptable for drinking or irrigation will depend on the total acres treated relative to water body size, application rates, water exchange rates, weed density, and various other factors. Consult a SePRO Aquatic Specialist for site specific recommendations.

^{††} ppm acid equivalent target water concentration

• **If no setback distance from Table 1 is to be used for the application, applicators or the authorizing organization must provide a drinking water notification and an advisory to shut off all potable water intakes inside the setback zone prior to Renovate MAX G application.** Notification to the party responsible for a public water supply or to individual private water users must be done in a manner to assure that the party is aware of the water use restrictions when this product is applied to potable water. The following is an example of a notification via posting, but other methods of notification which convey the above restrictions may be used and may be required in some cases under state or local law or as a condition of a permit.

- Example:

- Posting notification should be located every 250 feet including the shoreline of the treated area and up to 250 feet of shoreline past the application site to include immediate public access points. Posting should include the day and time of application. Posting may be removed if analyses of a sample collected at the intake, no sooner than stated in Table 2, shows that the triclopyr concentration in the water is 400 ppb or less and the 2,4-D concentration is 70 ppb or less, or after 21 days following application, whichever occurs first.

- Text of notification: Wait 21 days before diverting functioning surface water intakes from the treated aquatic site to use as drinking water unless water at functioning drinking water intakes is tested no sooner than [insert days from Table 2] and is demonstrated by assay to contain no more than 400 ppb triclopyr and 70 ppb 2,4-D. Application Date: _____, Time: _____.

• **NOTE:** Existing potable water intakes that are no longer in use, such as those replaced by a connection to a municipal water system or a potable water well, are not considered to be functioning potable water intakes.

• Drinking water setback distances do not apply to terrestrial applications of triclopyr or 2,4-D adjacent to water bodies with potable water intakes.

GRAZING AND HAYING RESTRICTIONS

Except for lactating dairy animals, there are no grazing restrictions following application of this product.

• **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 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.

DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product. Applying Renovate MAX G through an enclosed eductor or slurry injection injection system via a continuous stream of water and/or injected under the water surface further minimizes drift potential.

Wind Speed

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, residential areas, bodies of water, known habitat for non-target species, non-target crops) near enough to be injured.

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below application height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Susceptible Plants: Do not apply under circumstances where drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of pesticide drift that might not be visible may injure susceptible broadleaf plants.

Other State and Local Requirements: Applicators must follow all state and local pesticide drift requirements regarding application of triclopyr or 2,4-D herbicides in aquatic sites. Where states have more stringent regulations, they must be observed.

Equipment

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Aerial applications

• Apply Renovate MAX G at the lowest height consistent with efficacy and flight safety. Do not apply at a height greater than 10 feet above the water surface or plant canopy unless a greater height is required for aircraft safety.

• When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this by adjusting the path of the aircraft upwind.

AQUATIC WEEDS CONTROLLED BY RENOVATE MAX G

Efficacy and selectivity of Renovate MAX G is dependent upon dose, time of year, stage of growth, method of application, and water movement. The following categories—highly susceptible, moderately susceptible, and less susceptible—are provided to define species that may be controlled using Renovate MAX G.

Efficacy and selectivity is dependent on many factors, and can be managed through selection of application rates, application techniques and timing, etc. Rate selection will be partially dependent on characteristics of the treatment area. Consult with SePRO Corporation to determine best treatment protocols to manage individual species and to meet specific aquatic plant management objectives. Plants listed as moderately susceptible and less susceptible can be controlled under most use conditions, but generally require higher application rates.

HIGHLY SUSCEPTIBLE VASCULAR AQUATIC PLANTS

Eurasian watermilfoil (*Myriophyllum spicatum*)
 hybrid watermilfoil (*Myriophyllum spicatum x sibiricum*)

MODERATELY SUSCEPTIBLE VASCULAR AQUATIC PLANTS

northern watermilfoil (*Myriophyllum sibiricum*)
 other milfoil species (*Myriophyllum* spp.)
 bladderwort (*Utricularia* spp.)
 white water lily (*Nymphaea* spp.)
 watershield (*Brasenia* spp.)

LESS SUSCEPTIBLE VASCULAR AQUATIC PLANTS

variable-leaf milfoil (*Myriophyllum heterophyllum*)
 water stargrass (*Heteranthera dubia*)
 coontail (*Ceratophyllum demersum*)
 parrotsfeather (*Myriophyllum aquaticum*)^{††}
 yellow water lily or spatterdock (*Nuphar* spp.)
 water chestnut (*Trapa natans*)^{†,††}

† 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, mechanical seeder, an eductor system, or similar equipment capable of uniformly applying Renovate MAX G. 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 MAX G 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 MAX G. To avoid streaked, uneven or overlapped application, use an appropriate tracking device (e.g. GPS). Refer to the *DRIFT MANAGEMENT* section of this label for additional precautions and instructions for aerial application.

Floating-leaf and Emergent Weeds

For control of water lily's (*Nymphaea* spp. and *Nuphar* spp.), watershield (*Brasenia* spp.), and other susceptible emergent and floating-leaf herbaceous weeds, apply up to 1.0 to 5.0 ppm. Apply when plants are actively growing.

Submersed Weeds

For control of Eurasian watermilfoil (*Myriophyllum spicatum*) and other submersed weeds, apply Renovate MAX G at concentrations up to 0.25 to 5.0 ppm in treated water. Rates should be selected according to the Table 3 (*CONCENTRATION OF RENOVATE MAX G IN WATER*). For optimal control, apply when Eurasian watermilfoil or other submersed weeds are actively growing.

When controlling Eurasian watermilfoil in plant communities containing other desirable susceptible species, selectivity may be enhanced generally by using a rate lower in the range, treatment timing, application technique, etc.; consult a SePRO Aquatic Specialist for site specific recommendations.

Table 3: Concentration of Renovate MAX G in Water (ppm a.e.)[†]

Average Water Depth (ft)	Pounds Renovate MAX G / Acre					
	0.25 ppm	0.5 ppm	1.0 ppm	2.0 ppm	4.0 ppm	5.0 ppm
1	4.7	9.4	18.8	37.5	75.0	93.7
2	9.4	18.8	37.5	75.0	150.0	187.5
3	14.1	28.1	56.3	112.5	225.0	281.2
4	18.8	37.5	75.0	150.0	300.0	375.0
5	23.4	46.9	93.8	187.5	375.0	468.7

[†]Use of higher rates in the rate range is necessary to achieve desired control in areas of greater water exchange; when treating more mature plants; when targeting more difficult to control aquatic species; and when treating small areas in larger bodies of water (spot treatments). Lower concentrations are generally used when conducting early season large-scale treatments; and treating larger areas, more immature plants, and areas with less potential for rapid water exchange. Some areas may require a repeat application to control re-growth.

The following formula can be used to calculate applications rates based on depths exceeding 4 feet deep or when using a concentration not in the Table 3.

Pounds of Renovate MAX G per Acre = average depth x target ppm x 18.75

Example Calculation:

6 foot average depth x 1.25 ppm x 18.75 = 140.6 pounds of Renovate MAX G per acre

NOTE: apply a maximum of 93.7 pounds of Renovate MAX G (13.5 lbs a.e.)/acre-foot per application. Do not exceed 5.0 ppm during any single application.

COMBINATIONS WITH OTHER HERBICIDES

Renovate MAX G may be combined or applied simultaneously with other herbicides to increase the weed control spectrum or enhance efficacy. Follow all applicable use directions, precautions, and restrictions on all labels used in the combination.

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

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original container only. Do not store near feed or foodstuffs. In case of 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.

Nonrefillable Container Disposal (non-rigid, any size):

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Terms and Conditions of Use

If terms of the following *Warranty Disclaimer*, *Inherent Risks of Use*, and *Limitation of Remedies* are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under *Warranty Disclaimer*, *Inherent Risks of Use* and *Limitations of Remedies*.

Warranty Disclaimer

SePRO Corporation warrants that the 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. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SEPRO CORPORATION 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 label instructions (including conditions noted on the label such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of SePRO Corporation as the seller. To the extent consistent with applicable law, all such risks shall be assumed by buyer.

Limitation of Remedies

To the extent consistent with applicable law, 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 SePRO Corporation'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.

To the extent consistent with applicable law SePRO Corporation shall not be liable for losses or damages resulting from handling or use of this product unless SePRO Corporation is promptly notified of such losses or damages in writing. To the extent permitted by applicable law in no case shall SePRO Corporation 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 SePRO Corporation or the seller is authorized to vary or exceed the terms of the *Warranty Disclaimer* or *Limitations of Remedies* in any manner.

