

2024-10-28
2023-5651

(Container - Small)

ProcellaCOR® FX Herbicide

GROUP	4	HERBICIDE
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A selective herbicide for management of freshwater aquatic vegetation.

RESTRICTED

SUSPENSION

KEEP OUT OF REACH OF CHILDREN
READ THIS LABEL AND ATTACHED BOOKLET BEFORE USING

ACTIVE INGREDIENT: Floryprauxifen..... 238.4 g/L (present as benzyl ester)

Contains 1,2-benzisothiazolin-3-one at 0.039 % as a preservative OR 5-Chloro-2-methyl-4-isothiazolin-3-one at 0.00226% and 2-Methyl-4-isothiazolin-3-one at 0.00074% as preservatives.

REGISTRATION NO. 34732 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 0.1 L – 1 L

SePRO Corporation
11550 North Meridian Street, Suite 600
Carmel, IN 46032
Tel. 1-317-580-8282

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Refer to attached booklet for more information.

FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed: Call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

If in eyes: 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 centre or doctor for treatment advice.

ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic and non-target terrestrial plants. Refer to attached booklet for more information.

STORAGE

Store this product away from food or feed.

DISPOSAL

Recyclable containers:

DO NOT reuse this container for any purpose. This is a recyclable container and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial/territorial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial regulatory agency in case of a spill, and for clean-up of spills.

RESTRICTED USE

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

NATURE OF RESTRICTION:

This is a restricted product that must be used in the manner authorized.

This product is only to be used by individuals holding an appropriate pesticide applicator certificate or license recognized by the provincial/territorial pesticide regulatory authority where the pesticide application is to occur.

This registration is granted under the *Pest Control Products Act* and does not exempt the user from any other legislative requirements. Use of this product in or immediately adjacent to water bodies must be appropriately authorized and used in accordance with *the Fisheries Act and Regulations*, such as the *Aquatic Invasive Species Regulations*. Use of this product must also be in accordance with any other required federal and provincial or territorial authorizations. Consult with federal and provincial or territorial regulatory authorities on any authorizations required prior to use of this product.

(Container - Large)

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A selective herbicide for management of freshwater aquatic vegetation.

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ACTIVE INGREDIENT: Florpyrauxifen..... 238.4 g/L (present as benzyl ester)

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REGISTRATION NO. 34732 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1.1 L - bulk

SePRO Corporation
11550 North Meridian Street, Suite 600
Carmel, IN 46032
Tel.1-317-580-8282

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

PERSONAL PROTECTIVE EQUIPMENT

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab.

RESTRICTED ENTRY INTERVALS

Workers can enter the application site immediately after treating.

There are no restrictions for recreational purposes, including swimming and fishing.

SPRAY DRIFT PRECAUTIONS

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

FIRST AID

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ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic and non-target terrestrial plants. Observe spray drift management recommendations as specified under DIRECTIONS FOR USE.

STORAGE

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Returnable containers:

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(Booklet)

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GENERAL INFORMATION

ProcellaCOR FX Herbicide is a selective herbicide for management of freshwater aquatic vegetation in still or slow-moving waters of ponds, lakes, reservoirs, streams, rivers, and canals, this includes shoreline and riparian areas in or adjacent to these waterbodies.

Apply ProcellaCOR FX Herbicide directly into water or spray onto emergent foliage of aquatic plants. Depending upon method of application and target plant, ProcellaCOR FX Herbicide is absorbed by aquatic vascular plants through emergent or floating leaves and from water through submersed plant shoots and leaves. In-water treatments are effective in spot and partial treatment designs. Species susceptibility to ProcellaCOR FX Herbicide may vary depending upon time of year, stage of growth, and water movement. For best results, apply to actively growing plants.

USE RECOMMENDATIONS

- Do not apply to salt/brackish water.
- Do not apply ProcellaCOR FX Herbicide directly to, or otherwise permit ProcellaCOR FX Herbicide to come into contact during an application, with desirable broadleaf plants, as serious injury may occur.
- Users must be aware of relevant downstream use of water for irrigation, that may be affected by the treatment and must ensure all label restrictions are followed.
- When monitoring ProcellaCOR FX Herbicide concentrations, analyze water samples using an appropriate analytical method for both the active ingredient and the acid form. Use of HPLC (High-Performance Liquid Chromatography) is recommended. SePRO recommends use of FastEST.

APPLICATIONS TO WATER USED FOR IRRIGATION

DO NOT irrigate greenhouse vegetables and fruits with treated water.

RESIDENTIAL AND OTHER NON-FOOD IRRIGATION_(such as shoreline property use including irrigation of landscape plants and golf courses in domestic and commercial setups).

- **Turf Irrigation:** Turfgrass may be irrigated immediately after treatment. Certain non-grass species used in residential lawns may be injured by irrigation with water containing the herbicide. To avoid injury to potentially sensitive species, follow the instructions for irrigation of landscape vegetation or other forms of non-agricultural vegetation.
- **Greenhouse and Nursery Irrigation:** Due to the diversity of different plant species that may be irrigated in greenhouses or nurseries, do not irrigate greenhouse or nursery plants with treated water if concentrations exceed 2 ppb acid equivalents (a.e.).
- Do not use water for hydroponic irrigation without activated charcoal or similar filtration.
- **For irrigation of landscape vegetation or other forms of non-food irrigation not excluded above, conduct one of the following:**
 - analytically verify that water contains less than 2 ppb a.e. (SePRO recommends use of FasTEST); or
 - if treated area(s) have the potential to dilute with untreated water, follow the precautionary waiting periods described in the tables 1 and 2 below for in-water or foliar application.

Table 1 and 2 show the precautionary waiting periods for landscape vegetation or other forms of non-food irrigation. The percent of area of water body treated assumes treated area(s) have the potential to dilute with untreated water. If the treated area is not projected to dilute rapidly (example: confined cove area), utilize HPLC to confirm below 2 ppb a.e.. Consult SePRO for additional site-specific recommendations.

TABLE 1: Landscape vegetation or other forms of non-food irrigation following in-water application

Percent Area of Waterbody Treated*	<u>Waiting Period (Days) for Irrigation at Specific Target Treatment Rates (Prescription Dose Unit (PDU) per hectare-metre)</u>					
	2 - 6 PDU	>6 - 10 PDU	>10 to 20 PDU	>20 to 30 PDU	>30 to 40 PDU	>40 to 50 PDU
2% or less	6 hours	1 day	1 day	2 days	2 days	3 days
3 - 10%	1 day	3 days	5 days	7 days	10 days	14 days
11 - 20%	3 days	7 days	10 days	10 days	14 days	21 days
21 - 30%	5 days	10 days	14 days	21 days	28 days	35 days
31 - 50%	7 days	14 days	21 days	28 days	35 days	35 days
>50%	10 days	21 days	35 days	35 days	42 days	42 days

TABLE 2: Landscape vegetation or other forms of non-food irrigation following foliar application

Percent Area of Waterbody Treated*	<u>Waiting Period (days) for Irrigation at Specific Target Treatment Rates</u>	
	Up to 3.0 PDU / hectare	>3.0 to 6.0 PDU / hectare
10% or less	0.5 day	1 day
11 - 20%	1 day	2 days
21 - 30%	2 days	3 days
31 - 50%	3 days	5 days
>50%	5 days	8 days

FIELD GROWN CROP IRRIGATION:

Irrigation using treated water is restricted to crops in the following crop groups:

- Root and tuber vegetables (Crop Group 1)
- Legume vegetables (Crop Group 6)
- Cereal grains (Crop Group 15)
- Grass forages (Crop Group 17)
- Nongrass feeds (Crop Group 18)
- Oilseeds (Crop Group 20)

For commercial field-grown crops, do not use treated water until concentrations of the herbicide are analytically below 2 ppb a.e.. Use of FasTEST HPLC (High-Performance Liquid Chromatography) is recommended. Consult a SePRO Aquatic Specialist for additional site-specific recommendations.

For irrigation of residential field-grown plants (i.e. vegetable plants in homeowner gardens), **follow precautionary time periods noted in Tables 1 or 2, or analytically verify that water contains <2 ppb a.e.**

DIRECTIONS FOR USE

This registration is granted under the *Pest Control Products Act* and does not exempt the user from any other legislative requirements. Use of this product in or immediately adjacent to water bodies must be appropriately authorized and used in accordance with *the Fisheries Act and Regulations*, such as the *Aquatic Invasive Species Regulations*. Use of this product must also be in accordance with any other required federal and provincial or territorial authorizations. Consult with federal and provincial or territorial regulatory authorities on any authorizations required prior to use of this product.

READ ALL DIRECTIONS CAREFULLY BEFORE APPLYING. FOLLOW LABEL INSTRUCTIONS TO ENSURE EFFICIENT AND CONSISTENT WEED CONTROL.

Apply ProcellaCOR FX Herbicide to the treatment area at a prescription dose unit (PDU) rate to achieve appropriate concentrations in water or appropriate foliar rate.

- A prescription dose unit (PDU) is a unit of measure that facilitates the calculation of the amount of product required to control target plants in 1 hectare-1 metre deep of water or 1 hectare for foliar applications. 1 PDU contains 33.3 mL of product.
- For in-water applications, the maximum single application rate is 50.0 PDU. Apply maximum three applications per year and allow a minimum of 42 days between applications.
- For aquatic foliar applications, do not exceed 6.0 PDU per hectare for a single application. Apply maximum 12.0 PDU total per hectare per year and allow a minimum of 42 days between applications.
- Application to mature target plants may require higher application rates and longer exposure periods to achieve control. For best results, apply to actively growing weeds.
- For in-water applications product may be applied as a concentrate or diluted with water prior to or during the application process.
- Use an appropriate application method that ensures sufficiently uniform application to the treated area.
- To dilute with water, it is recommended to fill the spray tank to one-half full with water. Start agitation. Add correct quantity of ProcellaCOR FX Herbicide and Aquasurf Non-ionic Spray Adjuvant, for foliar applications. Continue agitation while filling spray tank to required volume and during application.

Consult the following tables for PDU in-water rate needed to treat a hectare-metre of water volume based on target weed species and percent of water body treated, or PDU foliar rate needed to treat a hectare of emerged/floating vegetation.

IN-WATER APPLICATION TO SUBMERSED OR FLOATING AQUATIC PLANTS

ProcellaCOR FX Herbicide can be applied via trailing hose, by sub-surface injection, or surface spray as an in-water application to control aquatic plants (Table 3) This product has relatively short exposure requirements for in-water treatments (hours to days), but treatments with high exchange and short exposure periods should be carefully planned to achieve best results. Where greater plant selectivity is desired, choose a lower dose in the specified range assuming sufficient exposure time is projected (Table 4). A SePRO Aquatic Specialist can provide site-specific prescriptions for optimal control based on target aquatic plant, management objectives, and site conditions.

AQUATIC PLANTS CONTROLLED

Table 3. Aquatic Plants Controlled: In-Water Application

Vascular Aquatic Plants Controlled: In-Water Application	
Common name	Scientific name
Floating / Emerged Plants	
Yellow floating heart	<i>Nymphoides peltata.</i>
Water soldier	<i>Stratiotes aloides</i>
Submerged Plants	
Hydrilla	<i>Hydrilla verticillata</i>
Parrot-feather watermilfoil	<i>Myriophyllum aquaticum</i>
Water Chestnut	<i>Trapa natans.</i>
Watermilfoil, Eurasian	<i>Myriophyllum spicatum</i>
Watermilfoil, Hybrid Eurasian	<i>Myriophyllum spicatum X Myriophyllum spp.</i>
Watermilfoil, Variable	<i>Myriophyllum heterophyllum</i>

Table 4. Recommended* Prescription Dose Units (PDU) per hectare-metre of water**

Percent Area of Waterbody Treated	Target Species			
	Eurasian Watermilfoil	Hybrid Watermilfoil	Variable Watermilfoil Parrotfeather	Hydrilla Yellow Floating Heart Water Chestnut Water Soldier
≤ 2%	6 - 8	8 - 10	6 - 10	40 - 50
>2 - 10%	4 - 6	6 - 10	6 - 8	30 - 40
>10 - 20%	2 - 6	6 - 8	4 - 8	20 - 40
>20 - 30%	2 - 4	4 - 6	4 - 6	20 - 30
>30%	2 - 4	4 - 6	2 - 4	20 - 30

*In some cases, user may need to apply greater than the PDU per hectare-metre ranges noted above to achieve sufficient exposure in small spot applications. Consult your SePRO Aquatics Specialist for site-specific recommendations.

** 1 PDU = contains 33.3 mL of product

FOLIAR APPLICATION

For all foliar applications, apply ProcellaCOR FX Herbicide at 3.0 to 6.0 PDU per hectare depending on surface coverage and plant maturity. Use higher rates for mature, dense growth with high surface coverage. Aquasurf Non-ionic Spray Adjuvant at 0.5% v/v is required for all foliar applications of ProcellaCOR FX Herbicide. For best results, apply to actively growing aquatic plants.

Use an application method that maximizes spray interception by target aquatic plants while minimizing the amount of overspray that inadvertently enters the water.

AQUATIC PLANTS CONTROLLED

Table 5. Aquatic Plants Controlled: Foliar Application

Vascular Aquatic Plants Controlled: Foliar Application	
Common name	Scientific name
Floating / Emerged Plants	
Yellow floating heart	<i>Nymphoides peltata</i> .
Parrot-feather watermilfoil (emerged)	<i>Myriophyllum aquaticum</i>
Large-flower primrose-willow	<i>Ludwigia grandiflora</i>
Water soldier	<i>Stratiotes aloides</i>

Boat Foliar Application or Ground Foliar Application to Floating and Emergent Weeds

When applying ProcellaCOR FX Herbicide by boat or with ground equipment to emergent or floating-leaved vegetation, use boom-type, backpack or handgun equipment. Apply ProcellaCOR FX Herbicide at 3 – 6 PDU per hectare in a sufficient spray volume (e.g. 200 to 1000 L per ha) to provide accurate and uniform distribution of spray particles over the treated vegetation while minimizing runoff. Use higher spray volumes for medium to high density vegetation. 0.01-0.1% spot spray solutions can be used but applications over a targeted hectare cannot exceed the 6 PDU limit. For boom spraying, use coarse or coarser nozzle spray quality per ASAE S572.1 standard; see appropriate literature or nozzle manufacturer guidelines. Follow nozzle manufacturer's recommendations for nozzle pressure, spacing and boom height to provide a uniform spray pattern.

TANK MIXING

This product may be tank mixed with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact SePRO Corporation at 1-317-580-8282 for information before applying any tank mix that is not specifically recommended on this label.

SPRAYER CLEAN-OUT INSTRUCTIONS

Thoroughly rinse application equipment between applications and consult with SePRO for tank cleaning instructions if spray system will be used for non-aquatic applications following an aquatic application.

SPRAY DRIFT MANAGEMENT

The interaction of many equipment-and-weather-related factors determine the potential for spray drift. Users are responsible for considering all these factors when making decisions. The following drift management requirements must be followed to limit off-target drift movement for ground applications:

- Ground applicators must use a minimum finished spray volume of 100 L per hectare.
- To minimize spray drift from ground application, apply with a nozzle class that ensures coarse or very coarse spray (according to ASAE S572.1).
- For boom spraying, the maximum release height is 60 cm from the soil for ground applications.
- Where provinces or territories have more stringent regulations, they must be observed.

Boom sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) coarse classification. Boom height must be 60 cm or less above the target plant or water surface.

DO NOT apply by air.

When using **ProcellaCOR FX** Herbicide to treat floating and emergent weeds, mandatory spray buffer zones are not required. However, damage to non-target terrestrial plants may be observed within the downwind distance that is identified in the following table. This advisory distance should be considered when protecting important non-target plants downwind of application.

For applications by hand-held (low-volume) equipment, avoid directing spray towards non-target vegetation.

Method of application	Use	Damage to Non-target Terrestrial Plants May be Observed Within the Following Distances Downwind from Application (metres)
Boom sprayer	Foliar application to floating and emergent weeds	35

The distance where damage may be observed can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

MINIMIZE DRIFT BY USING THE BEST AVAILABLE PRACTICES FOR SPRAYING. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO REDUCE DRIFT TO NON-TARGET TERRESTRIAL PLANTS. The Risk Reduction Measures and Best Management Practices described below can mitigate potential exposure and adverse effects on non-target terrestrial plants.

RISK REDUCTION MEASURES AND BEST MANAGEMENT PRACTICES:

The following precautionary measures are recommended to reduce exposure and adverse effects on non-target terrestrial plants:

- Use accurate mapping and GPS tools to pre-determine the exact locations of the target area to be treated and strict observance of these boundaries to prevent overlapping of spray swath as well to prevent off-target application.
- Subdivide treatment areas into small blocks to avoid spraying of non-target surface areas within and around target areas.
- DO NOT apply to open water or wetland habitats beyond target areas.

To reduce spray drift:

- For high-pressure hydraulic sprayers, spray from the outside edge of the target area towards the inside of the cluster of plants and away from non-target vegetation.
- Use low drift nozzles and pressure combinations which reduce drift.
- Apply during optimal weather conditions such as high humidity and moderate temperature.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, ProcellaCOR FX Herbicide is a Group 4 herbicide. Any plant population may contain or develop plants naturally resistant to ProcellaCOR FX Herbicide and other Group 4 herbicides. The resistant biotypes may dominate the plant population if these herbicides are used repeatedly in the same site. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

NOTICE TO USER

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