

2022-5515
2023-01-19

This label has been updated according to the re-evaluation/special review decision of Ethephon RVD2020-09/SRD2020-09. While users are encouraged to follow this updated label immediately, the previously approved label is valid until 2022-09-24 in accordance with the phase out period set out in the re-evaluation/special review decision of Ethephon RVD2020-09/SRD2020-09. This previously approved label will be provided upon request by emailing hc.pmra.info-arla.sc@canada.ca. In your email please include the product name and Registration number of the label you are requesting.

**FLOREL
PLANT GROWTH REGULATOR**

LIQUID

Increase Lateral Branching on Potted Greenhouse Ornamentals

COMMERCIAL

ACTIVE INGREDIENT:
ETHEPHON.....240 g/L

DANGER



CORROSIVE

REGISTRATION NO. 29593
PEST CONTROL PRODUCTS ACT

READ THE LABEL AND BOOKLET BEFORE USING

2022 Environmental Science CA Inc.
137 Glasgow Street, Suite 210, Unit 111,
Kitchener, Ontario,
N2G 4X8

Product Information: 1-888-283-6847

<https://www.ca.envu.com>

In case of spills, poisoning or fire, telephone emergency response number
1-800-334-7577 (24 hours a day).

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NET CONTENTS:
[1 L, 2 L, 4 L, 4.54 L, 10 L]

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed. May cause eye damage.

Avoid contact with skin and clothing and do not inhale vapours as this product will irritate skin and mucous membranes.

Manually-pressurized handwand and Backpack Application: Wear long-sleeved shirt and long pants, chemical-resistant gloves, socks, chemical-resistant footwear, and protective eyewear (goggles or face shield) during mixing, loading, application, clean-up and repair.

Mechanically-pressurized handgun Application: Wear chemical-resistant coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, socks, chemical-resistant footwear, and protective eyewear (goggles or face shield) during mixing, loading, application, clean-up and repair. In addition, a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides **MUST** be worn.

DO NOT handle more than 1.04 L of Florel Plant Growth Regulator per person in a day.

DO NOT apply in greenhouses, except on ornamentals not for cut flowers.

DO NOT apply using handheld mistblower/airblast or handheld fogging equipment in greenhouses.

ENVIRONMENTAL PRECAUTIONS:

TOXIC to aquatic organisms and non-target terrestrial plants. TOXIC to birds and small mammals. DO NOT allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

FIRST AID INSTRUCTION:

In case of eye contact: 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.

In case of skin contact: 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 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 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 treatment advice.

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

TOXICOLOGICAL INFORMATION: This product is very acidic and highly corrosive. Contact with skin or mucous membranes will result in irritation. Medical Personnel should contact 2022 Environmental Science CA's Medical Information Services, Toll-Free: 1-800-334-7577.

STORAGE: Store this product away from food or feed. Store in tightly closed containers and prevent from contacting feeds, fertilizers, plants, seeds or pesticides. Do not subject to freezing temperatures.

RECYCLABLE CONTAINER DISPOSAL: 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 requirements.

DISPOSAL OF UNUSED, UNWANTED PRODUCT: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

If container is damaged and/or contents spilled contact manufacturer for instructions. Wear protective clothing and impervious gloves before handling spills or damaged products. For spills do not allow product to spread. Prevent entry into ditches and waterways. Cover spill with inert sweeping compound such as dry sand, clay or sawdust and place contaminated material into an approved waste container. Place damaged container into approved waste container and mark with contents.

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.

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Manually-Pressurized Handwand and Backpack Application: Wear long-sleeved shirt and long pants, chemical-resistant gloves, socks, chemical-resistant footwear, and protective eyewear (goggles or face shield) during mixing, loading, application, clean-up and repair.

Mechanically-Pressurized Handgun Application: Wear chemical-resistant coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, socks, chemical-resistant footwear, and protective eyewear (goggles or face shield) during mixing, loading, application, clean-up and repair. In addition, a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides MUST be worn.

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USE PRECAUTIONS:

Avoid spray drift to nearby plants as this product may cause temporary modifications of plant growth.

Do not contaminate water used for irrigation or domestic purposes.

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DIRECTIONS FOR USE:

INCREASED LATERAL BRANCHING OF GREENHOUSE ORNAMENTALS

A foliar spray of FLOREL Plant Growth Regulator will increase lateral branching of many greenhouse grown ornamental species including: begonia, chrysanthemum, fuchsia, geranium, sweet potato vine (*Ipomea*), lantana, New Guinea impatiens, poinsettia and vinca vine (periwinkle, *Vinca major*).

To minimize the risk of unacceptable plant injury, do not use FLOREL Plant Growth Regulator on greenhouse grown ornamental species not specifically listed on this label without carefully testing its effects on a small population of the new species compared to an untreated control population. Because different cultivars within some species have been reported to exhibit varying responsiveness to FLOREL Plant Growth Regulator, it is important to adequately test a sample population of each new cultivar prior to using in commercial production.

When applied to plants, FLOREL Plant Growth Regulator readily enters the plant and breaks down to ethylene, a naturally occurring plant hormone. Ethylene production within the plant is stimulated by stress. For this reason, it is important that plants being treated are not under stress from drought, high temperature, disease or other environmental stresses. Treating stressed plants can cause severe injury such as defoliation or leaf scorching. While injury from FLOREL Plant Growth Regulator usually does not kill the plant, it can render the plant unsightly and unfit for sale. The activity of FLOREL Plant Growth Regulator is linked to plant growth activity and is therefore slower acting when temperatures are below 15°C or very high above 35°C.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Not for use on cut flowers.

DO NOT apply in more than 1L per 10m² of bench space.

Apply FLOREL Plant Growth Regulator a maximum of 4 applications per crop cycle.

APPLICATION RATE:

- New Guinea Impatiens - mix 104 mL of FLOREL Plant Growth Regulator in 100 L of water (250 ppm) and apply to thoroughly wet the foliage, but not to runoff.
- begonia, chrysanthemum (perennial species), fuchsia, geranium, sweet potato vine (*Ipomea*), lantana, poinsettia, verbena, and vinca vines (*Vinca major*) - mix 208 mL of FLOREL Plant Growth Regulator in 100 L of water (500 ppm) and apply to thoroughly wet the foliage, but not to runoff. Use low rate of Florel 104 ml / 100 L under low light conditions and on compact varieties as a strong growth regulating effect can occur under these conditions. Use of higher rate of FLOREL Plant Growth Regulator is recommended once experience has been gained with the product on specific crops.

Apply FLOREL Plant Growth Regulator spray solution within 24 hours after mixing. DO NOT save unused diluted spray solutions as they will not be as effective as fresh solutions.

APPLICATION TIMING:

- Stock Plants - Apply FLOREL Plant Growth Regulator to stock plants on a 14 day interval with a maximum of 4 applications. Apply in the evening, or early morning. Ensure a high soil temperature (21- 23°C) and a low carrier pH (5.5) is maintained. Make applications at normal

pinching times instead of hand pinching. To optimize the vigour of cuttings, do not make applications for two weeks prior to harvesting cuttings from stock plants.

- Finished Plants - Apply FLOREL Plant Growth Regulator 14 to 21 days after transplanting of rooted cuttings. Re-apply every 10 to 14 days with a maximum of 4 applications. Apply in the evening, or early morning. Ensure a high soil temperature (21-23°C) and a low carrier pH (5.5) is maintained.

To ensure flowering and full foliage on finished plants, do not make applications for 6 to 8 weeks prior to bloom or planned sale.

DO NOT apply this product in a way that this product will contact workers or other persons, either directly or through drift. Only handlers wearing personal protective equipment may be in the area being treated during application.

DO NOT enter or allow worker entry into treated areas to perform postapplication activities during the intervals specified in the following table:

Crop	Activity	REI
Greenhouse Ornamentals not for cut flowers	All Activities	12 hrs

IMPORTANT NOTES

FLOREL Plant Growth Regulator could affect certain paints. If accidental deposits on painted objects such as cars, trucks, agricultural equipment, etc. occurs, these objects should be rinsed with water as soon as possible (within 1 hour) to prevent permanent staining of the painted surface.

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