

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.

PROXY
PLANT GROWTH REGULATOR

LIQUID

Promotes colour and reduces curing time of Flue cured tobacco.

COMMERCIAL

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



REGISTRATION NO. **30686**
PEST CONTROL PRODUCTS ACT

READ THE LABEL AND BOOKLET BEFORE USING

Product Information: 1-888-283-6847

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 COLLECT 1-800-334-7577 (24 HOURS A DAY).

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.

Open Cab Groundboom Mixing/Loading/Application:

- Closed mixing/loading systems are required. A closed system means removing a pesticide from its original container, rinsing, mixing, diluting, and transferring the pesticide through connecting hoses, pipes, and couplings that are sufficiently tight to prevent exposure of any person to the pesticide or rinsing solution. Rinsing is not required when the pesticide is used without dilution.
- 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, cleanup and repair.
- During application using an open cab tractor, wear a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH approved canister approved for pesticides.
- DO NOT handle more than 225 litres of product per person in a day when using open cab groundboom equipment.

Closed Cab Groundboom Mixing/Loading/Application:

- Closed mixing/loading systems are required. A closed system means removing a pesticide from its original container, rinsing, mixing, diluting, and transferring the pesticide through connecting hoses, pipes, and couplings that are sufficiently tight to prevent exposure of any person to the pesticide or rinsing solution. Rinsing is not required when the pesticide is used without dilution.
- 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, cleanup and repair.
- During application, use a closed cab that provides both a physical barrier and respiratory protection (such as dust/mist filtering and/or vapour/gas purification system). The closed cab must have a chemical-resistant barrier that totally surrounds the occupant and prevents contact with pesticides outside the cab.
- During application, wear coveralls over a long-sleeved shirt and long pants, chemical resistant gloves, socks, and shoes. Gloves are not required during application within a closed cab.
- DO NOT handle more than 237.5 litres of product per person in a day when using closed cab groundboom equipment.

Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings. Avoid Spray drift to nearby crops as this product may cause temporary modifications of plant growth. Do not contaminate water used for irrigation or domestic purposes.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's website at: www.croplife.ca.

ENVIRONMENTAL PRECAUTIONS:

TOXIC to aquatic organisms and non-target terrestrial plants. TOXIC to birds and small animals. Observe buffer zones specified under DIRECTIONS FOR USE.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

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.

DISPOSAL:

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.

PROXY is a registered trademark of 2022 Environmental Science CA.

PROXY

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DANGER



CORROSIVE

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DIRECTIONS FOR TOBACCO:

A foliar spray of PROXY reduces curing time and promotes colour development in the upper 6-7 leaves (tips and undertips). PROXY increases the capacity of the curing kiln by shortening the curing time and allows adjustment in harvest schedules.

Proper time for treatment: Successful results with PROXY call for treatment when leaves are mature.not overly rank green when sprayed. To easily determine the proper time for treatment and to determine the number of leaves per stalk that are ready for harvest, test spray several plants in more than one location in each field and observe their response. Mature leaves will begin yellowing in 24 to 72 hours. If the test plants fail to yellow the number of leaves desired after 72 hours, wait a few days to permit further natural maturing, then make another test spray or "maturity" check.

Prepare your test spray by mixing four teaspoons of PROXY in one litre of water. Spray each test plant with about 30 mL of this mixture, covering all leaves with a fine mist. PROXY will not color immature sprayed leaves.

DIRECTIONS FOR USE:

For the promotion of colour development and reduced curing time of the upper 6-7 leaves (tips and undertips) of flue-cured tobacco, apply PROXY at a rate of 2.75 to 3.75 litres/ha in 225 to 275 litres of water at a pressure of 345 to 520 kilopascals (kPa). Use the lower rate in normally maturing tobacco when experience indicates minimum ripening inducement is required. Use the higher rate when crop is heavier and has a tendency to be more rank.

Apply PROXY once per year.

If undertips are already well coloured, then harvest them prior to treating the tips with PROXY. If the tips alone are treated use the lower rate of PROXY.

Treat only when leaves remaining on stalk are mature.

DO NOT TREAT LEAVES WHICH ARE ALREADY QUITE YELLOW OR OVERMATURE.

Do not treat crops which are under water stress or nutrient stress.

Apply the PROXY spray as a fine mist using three 8002 or 8003 nozzles, one spray tip over the centre of the plant and one on each side so all leaves are covered thoroughly...similar to the application pattern of systemic sucker control agents. Avoid spraying to run off into leaf axils as this may promote leaf drop.

USE PRECAUTIONS:

Treat only the acreage of tobacco which can be harvested and banded in one day.

Application made to immature leaves may result in no or slight partial yellowing. **DO NOT TREAT LEAVES WHICH ARE ALREADY QUITE YELLOW OR OVERMATURE.** Do not treat crops which are under water stress or nutrient stress. Do not allow crop to over ripen in the field after using PROXY since this may cause some reduction in yield quality.

Do not treat before anticipated major storm which could prevent harvest and result in crop loss.

HARVESTING AND CURING:

The yellowing process is weather dependent...cool cloudy days will delay a colour development and yellowing may not occur, while hot sunny weather can speed up the process. Depending on the weather you may want to harvest when leaves are slightly on the green side even if it means a few hours in the kiln to complete the colouring phase.

Do not allow your tobacco to become overripe before starting your harvest. Leaf drop can occur when tobacco is overripe and left on the stalk. Harvesting should be completed not later than 72 hours after treatment.

Curing procedures are as much an art as a science and each cure must be judged on the basis of tobacco condition, weather and type of curing facility before prescription temperature and ventilation schedules can be established. To obtain maximum quality care must be taken to observe and control the curing process closely, especially during the late "colouring" and early "drying" stages of the leaf.

The use of hygrometers (wet and dry bulb thermometers) is highly recommended to monitor moisture levels in the kiln. Consult your local tobacco extension representative for information on the current use of hygrometers.

PROXY treated tobacco will have started the colouring process when harvested, reducing the time required in the colouring phase of curing. Treated tobacco should be dried faster. Excess moisture may result in leaf spotting, therefore, adequate ventilation must be provided. If tobacco leaves are green or contain some green when harvested, it may be necessary to colour them for a few hours. If the leaves are completely yellow, the temperature and ventilation must be adjusted in a manner to dry the tobacco as fast as possible without scalding. Once the leaf is dried (3/4 dry) the grower should follow normal procedures for curing. Since PROXY treated leaves cure faster, treated and untreated leaves should not be cured together in the same kiln.

GENERAL DIRECTIONS FOR USE

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 and/or PHI (days)
Tobacco	Hand Set/Hand Line irrigation related activities involving foliar contact	8
	Harvesting (Mechanical and Hand)	3
	Canopy Management	1
	All Other Activities	12 hrs

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.

Field 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 crop or ground.

BUFFER ZONES:

Spot treatments using hand-held equipment **DO NOT** require a buffer zone. The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands).

Buffer Zones Required to Protect Terrestrial Habitats

Method of Application	Crop	Buffer zone required for the protection of terrestrial habitat (m)
Field sprayer	Tobacco	1

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.

IMPORTANT NOTES

PROXY 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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