

**EMTROL®
TOBACCO SUCKER CONTROL**

CONTAINS C8-10 FATTY ALCOHOLS

**PLANT GROWTH REGULATOR and EMULSIFIABLE CONCENTRATE
AGRICULTURAL**

DANGER - CORROSIVE TO EYES

READ THE LABEL BEFORE USING

**GUARANTEE:
N-Decanol 45.39%
N-Octanol 35.6%**

**REGISTRATION NO. 11527
PEST CONTROL PRODUCTS ACT**

Net Contents: Bulk

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EMTROL® TOBACCO SUCKER CONTROL

EMTROL® is a spray-on chemical which controls sucker growth by contact when applied as directed to Flue-cured tobacco.

DIRECTIONS FOR USE

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) coarse classification. Boom height must be 60 cm or less above the crop or ground.

DO NOT apply by air.

Buffer zones:

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held sprayer and spot treatment.

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), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of Application	Crop	Buffer Zones (metres) Required for the Protection of:	
		Aquatic Habitat	Terrestrial Habitat
Field Sprayer	Tobacco	1 m	1 m

HOW TO MIX: Partly fill the tank with clean water that is at air temperature, start the agitator and add the required amount of EMTROL®. While the agitator is running, complete the necessary water addition. If the machine mixing is inadequate, that is to say there is no visible rolling movement of the mixture inside the tank, then stir the tank contents with a tobacco stick.

HOW TO APPLY: Before entering the rows to start spraying, run all the nozzles for about 10 seconds to flush out the lines and to be sure that the proper concentration of spray mixture will be applied.

Apply the well agitated EMTROL® water mixture as a coarse spray. Direct the coarse spray pattern from each 3 nozzle row assembly to the top centre of the plant to ensure maximum wetting of the top suckers and flow down the stalk to the base of the plant.

Always mix the contents of the spray tank for a few minutes and flush the lines for a few seconds if the machine was left idle.

EQUIPMENT: Use a standard high-clearance sprayer with good agitation, equipped with a four row boom that can be moved up and down and sideways to allow for plant height and crooked row while the sprayer is moving through the rows.

Equip the boom with 12 sucker control spray nozzles, such as Tee Jet fan or TG tips, or equivalent, providing they deliver a coarse spray. Use 3 nozzles for each row. The middle nozzle at each row setting should be spaced to ride 25 to 35 cm directly over the top of the stalks and directed down so that the spray pattern is in line with the boom. The outside nozzles should be set 20 to 25 cm from the centre nozzle and directed in toward the plants so that the spray patterns cross just above the top of the stalks.

Calibrate the machine to ensure that a minimum 450 L of water will be delivered per hectare, and that the proper spray patterns will be discharged from the nozzles. Most standard sprayers operating at a pressure setting of 90 to 150 kPa (maximum) and a travel speed of 4 to 5 km/h (maximum) will deliver approximately 450 L per hectare.

**RATES PER HECTARE
BEFORE TOPPING
20 L of EMTROL®
in 450 L of water**

AFTER TOPPING

**22 L of EMTROL®
in 450 L of water**

IMPORTANT: During normal conditions, these usage rates will effectively treat one hectare. Slight changes to the usage rates may be required due to plant height variation and maturity at the time of application.

If it rains within ten minutes of spraying, check when plants are dry to see if the suckers are discolouring, if not, respraying may be necessary.

When used according to these label instructions, EMTROL® will cause suckers to turn brown, usually within one hour and eventually they shrivel. During an unusual growing season, a second application may be required to control early secondary buds.

TIME OF APPLICATION: EMTROL® can be applied to tobacco either before topping (pretop) or after topping (post-top). Apply during the day when plants are dry, the leaves are laying flat to expose sucker points and temperature is between 18°C and 30°C. Optimum spraying times normally occur in the morning, after the dew dries and in the afternoon, before the leaves begin to close.

BEFORE TOPPING: Spray when plants are in the early topping stage, that is, before any flowers are open. Top such treated plants within five days, and remove missed or large suckers.

AFTER TOPPING: If plants are topped at the:

Early Stage - before any flowers are open, delay spraying for 24 to 48 hrs. after topping to allow some toughening of tender leaves.

Normal Stage - when two to four flowers are fully open, spray within 24 hrs after topping.

Late Stage - when most top flowers are completely open, spray on the same day as topping.

Whenever plants are topped, be sure to remove suckers over 2.5 cm long.

PRECAUTIONS

Wear long pants, shoes plus socks and a long-sleeved shirt, during mixing, loading, applying, cleaning and repair.

Do not re-enter the treated area until 48 hours after application.

Use the recommended mixing and application rates. Too strong a mixture will cause leaf damage, too weak a mixture will not give desired control. If a higher usage rate is needed, apply the new rate to a limited area and examine the results before spraying the rest of the hecterage.

Mix well before application and use continuous agitation during the spraying.

Allow for any left-over spray emulsion in the tank when refilling to prevent the formation of a too strong mixture.

Do not apply EMTROL® when plants are wet, or wilted. Do not spray during windy weather or when leaves have turned up toward the main stalk. Spraying the underside of leaves may cause injury. Do not treat during very hot still weather with 30 °C or higher temperatures.

Do not use any spray mixture that has remained in the tank overnight. Such prolonged standing will cause the emulsion to separate and spraying it could result in leaf damage.

KEEP OUT OF REACH OF CHILDREN. Do not swallow. Avoid contact with eyes.

DO NOT APPLY BY AIR.

DO NOT MIX WITH OTHER PRODUCTS.

CORROSIVE to the eyes. **DO NOT** get in eyes. Wear goggles when handling.

DISPOSAL

1. Triple- or pressure-rinse the emptied container. Add the rinsing to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of spill, and for clean-up of spills.

FIRST AID

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.

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

TOXICOLOGICAL INFORMATION - Treat symptomatically

This material is not considered toxic when ingested or applied directly to skin.

This material may cause mild irritation when applied to skin.

ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms and non-target terrestrial plants.

Observed buffer zones specified under **DIRECTIONS FOR 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. The user assumes the risk to persons or property that arises from any such use of this product.

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