

2018-3246  
2019-02-06

ECOCLEAR\*

FAST ACTING WEED AND GRASS KILLER

Solution

For non-selective control of herbaceous broadleaf and grass weeds in non-crop areas,  
right-of way and industrial land sites.

COMMERCIAL

ACTIVE INGREDIENT

acetic acid 25% w/v. (250 g/L)

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

REGISTRATION NO. 25528

PEST CONTROL PRODUCTS ACT

CAUTION:

SKIN IRRITANT

DANGER:

CORROSIVE TO EYES

NET CONTENTS: 10 L – 208 L

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\* Trademark of Mastiff Holdings, LLC

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## GENERAL INFORMATION

ECOCLEAR FAST ACTING WEED AND GRASS KILLER is a postemergent, foliar active, vegetation management product formulated to contain organic acids that are components of vinegar and lemon juice. It is non-selective to green foliage and non-residual in soil. ECOCLEAR FAST ACTING WEED AND GRASS KILLER is recommended for the control or suppression of herbaceous broadleaf and grassy weeds on non-crop land areas, such as: sidewalks, driveways and patios; railroad rights-of-way, power stations, and industrial sites; around farm buildings, storage areas, tank farms, in and around greenhouses, plant nurseries and golf courses; and in fencerows and vacant lots. ECOCLEAR FAST ACTING WEED AND GRASS KILLER is fast acting. Foliar contact results in rapid burndown of annual weeds and suppression (top growth reduction) of herbaceous perennial weeds. Retreatment is required for complete control of established perennial weeds.

### ANNUAL WEEDS CONTROLLED & SUPPRESSED

Ragweed spp.  
Chickweed  
Lamb's-quarters  
Black Medic

### SUPPRESSION OF PERENNIAL WEEDS

Dandelion  
Plantain spp.  
Clover spp.  
Wild Carrot  
Toadflax  
Quack Grass  
Tufted Vetch  
Hawkweed spp.  
Curled Dock

**CAUTION.** Avoid contact on desirable plants. Overspray or drift will injure contacted vegetation.

Avoid application to reactive metals such as aluminum, tin, iron, or items such as fencing or lawn furniture in order to prevent staining, mottling, or otherwise interfering with finished metal surfaces.

### DIRECTIONS FOR USE

Best results are achieved from spring and early summer applications to actively growing young weeds. Degree of control depends on several factors, including size and stage at application. Small annual weeds may be completely controlled with a single application. Control of larger, more established weeds, not completely desiccated with

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one application may be short-term and require retreatment. Weeds that are mature, dormant or hardened due to moisture stress tend to be more tolerant to herbicide treatment. Complete coverage of undesirable vegetation is necessary to achieve control. Only contacted vegetation will be affected. Seedling perennial weeds may be controlled with a single application; however, repeat application is required for control of regrowth of established perennial weeds. Rainfall within 1 hour of application will reduce degree of control. DO NOT re-enter the treated area for 12 hours or until the residues have dried. 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.

#### USE RATES

Product application rate: dilute 1 L ECOCLEAR in 5 to 2.25 L of water, depending on the density and size of the weeds present. A dilution factor of 1 L ECOCLEAR in 3 L water is generally required for control of most annual weeds at the 3-5 leaf stage in the greenhouse or otherwise, while a dilution factor of 1 L ECOCLEAR in 2.25 L water is generally required for control of larger annual weeds or topgrowth suppression of perennials. Note that rates lower than 1 L ECOCLEAR in 3 L water may result in suppression of annual weeds and not control.

**EARLY SEASON ANNUAL WEEDS:** Ensure adequate mixing. Spray unwanted vegetation to point of wetness. **SPOT TREATMENT APPLICATION:** Use a single nozzle or hand-gun applicator to direct the spray and thoroughly wet undesirable foliage. **BROADCAST APPLICATION:** For broadcast application use a solution volume of 750 to 1000L per hectare. Thorough coverage is necessary to achieve desirable control. For dense populations and heavy foliage use the higher spray volume to ensure adequate coverage. Apply with flat fan nozzles and sufficient pressure to achieve required coverage.

**LARGER ANNUAL WEEDS AND TOP GROWTH REDUCTION (SUPPRESSION) OF PERENNIAL WEED GROWTH:** Use an application system, solution volume and adequate spray pressure to ensure complete coverage of unwanted vegetation. Best results with larger weeds will be achieved by spot treatment. For broadcast application use a solution volume of 750 to 1250 L/ha. Retreatment is required for regrowth of perennial weeds. Rates of less than 1 L ECOCLEAR in 2.25 L water are not recommended if perennial weeds are present.

**WEEDS IN GREENHOUSES:** For weeds in non-crop areas of the greenhouse such as under planting benches, in walkways, and in beds after harvest. Ensure adequate mixing. Spray weeds to the point of wetness using a medium droplet size to minimize drift. Complete coverage of the weeds is necessary to achieve control. Best results will be achieved if the weeds are actively growing. Avoid contact of the spray solution onto desirable vegetation.

**DO NOT** apply this product through any type of irrigation system.

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**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) medium 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 or backpack sprayer and spot treatment, inter-row hooded sprayer, low-clearance hooded or shielded sprayers that ensure spray drift does not come in contact with orchard crop fruit or foliage, soil drench and soil incorporation.

For application to rights-of-way, buffer zones for protection of sensitive terrestrial habitats are not required; however, the best available application strategies which minimize off-site drift, including meteorological conditions (e.g., wind direction, low wind speed) and spray equipment (e.g., coarse droplet sizes, minimizing height above canopy), should be used. Applicators must, however, observe the specified buffer zones for protection of sensitive aquatic habitats.

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:				
		Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial Habitats*
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Non-crop	2	1	1	1	1

\* Buffer zones for the protection of terrestrial habitats are not required for use on rights-of-way including railroad ballast, rail and hydro rights-of-way and utility easements.

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.

**PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.** Avoid contact with skin, eyes and clothing. Wash immediately after use. Overspray or drift will injure contacted foliage. Avoid all contact to desirable plants. Wear safety goggles or face shield, gloves, long-sleeved shirt, pants, socks, and shoes during mixing/loading and application with hand held equipment, as well as during clean-up and maintenance of equipment.

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A well ventilated area is required for task-related duties. For broadcast application and application in areas with poor ventilation, the applicator must also wear a NIOSH/MSHA-approved vapour respirator.

#### ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms and non-target terrestrial plants. 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:

**IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. 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 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:** This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

#### STORAGE

Do not contaminate water, food or feed by storage or disposal. Keep from freezing. Store only in original tightly sealed container and out of reach of children. Store product with other herbicides, in a cool, dry, well ventilated place away from seed, feed, fertilizer or other pesticides. To prevent contamination store this product away from food or feed.

#### DISPOSAL

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container

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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 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.

#### 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.