

GROUP

4

HERBICIDE

**PRO<sup>®</sup> TRI-KIL<sup>®</sup>**  
**TURF HERBICIDE**

Liquid

3-Way Weed Killer

For control of hard-to-kill weed species  
in turf (parks, lawns, golf courses, etc.)

COMMERCIAL

REGISTRATION NO. 27970 PEST CONTROL PRODUCTS ACT

GUARANTEE:

2,4-D, present as the dimethylamine salt ... 190 g a.e./L

Mecoprop-p, present as the dimethylamine salt ... 100 g a.e./L

Dicamba, present as the dimethylamine salt ... 18 g a.e./L

CAUTION – POISON



READ THE LABEL BEFORE USING

KEEP OUT OF THE REACH OF CHILDREN

NET CONTENTS: [1L-1000L]

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## **DIRECTIONS FOR USE:**

**Weeds Controlled:** Annual and perennial broadleaf weeds such as bedstraw, black medick (yellow clover), buttercup, chickweed, clover, dandelion, English daisy, ground ivy (creeping Charlie), heal-all, knotweed, narrow-leaved plantain, orange hawkweed (devil's paint brush), poison ivy, ragweed, shepherd's purse and wild white clover. This product is only effective when applied to the leaves of actively growing weeds. This product will not prevent new weeds – apply only when weeds are present. If weed populations do not warrant a broadcast application (e.g., entire lawn), consider spot treatments that target only weedy areas.

### **DO NOT apply by air.**

**Turf (other than bent grass):** Apply **PRO<sup>®</sup> TRI-KIL<sup>®</sup> TURF HERBICIDE** at the rate of 5.5 L per hectare in sufficient water for adequate coverage (60 mL on 100 m<sup>2</sup>). Maximum kill of weeds will be obtained from spring or early fall application when weeds are actively growing. Avoid applying during long excessively dry or hot periods, unless adequate irrigation is available. Do not irrigate within 24 hours of application. Do not apply to newly seeded turf until after the third mowing. Grass seed can be safely sown 1 to 2 weeks after application at recommended rate.

**Bent grass turf:** In closely mowed bent grass (putting and bowling greens, etc.): Apply **PRO<sup>®</sup> TRI-KIL<sup>®</sup> TURF HERBICIDE** at a maximum of 30 mL per 100 m<sup>2</sup> preferably in May or mid-August through September. Slight turf yellowing will disappear after about one week.

**NOTE:** Care should be taken to avoid overdosing bent grasses. Large volumes of spray water (i.e. 30 mL in 20 L of water per 100 m<sup>2</sup>) will aid in obtaining uniform coverage. If hand-type sprayers are used it is preferable to use a single nozzle sprayer rather than a multiple nozzle boom as sideways application with a boom where the spray from more than one nozzle is allowed to fall on the same area will result in heavy local overapplication and subsequent turf discolouration or injury.

DO NOT apply more than two broadcast applications per year. This does not include spot treatments. If weed populations do not warrant a broadcast application (e.g. entire lawn), consider spot treatments that target only weedy areas. 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/drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. DO NOT apply to the exposed roots of trees and ornamentals.

**Spray Applications:** 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.

**Transfer System – Container larger than 20 L:** Use a transfer system that avoids open pouring when transferring the liquid concentrate from such containers into the spray tank.

**Re-entry Interval:** Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treated areas until spray has thoroughly dried.

**Buffer Zones :** Use of the following spray methods or equipment DO NOT require a buffer zone: hand-held or backpack sprayer and spot treatment. Seasonal water bodies require buffer zones if there is water in them during application. Water bodies which do not fill on an annual basis need not be buffered.

The buffer zones specified in the tables 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 Habitat
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer*	Golf courses, turf	1	1	2	1	10

\* For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%. 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.

**ENVIRONMENTAL HAZARDS:** Toxic to small wild mammals, birds, aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE. This product will harm other broadleaved plants in the vicinity of the treatment area. If applying this product using a handheld sprayer, do not directly spray or allow the spray to drift onto ornamentals or gardens. Do not spray exposed roots of trees and ornamentals.

**Leaching:** The use of this product may result in contamination of groundwater, particularly in areas where soils are permeable (e.g. sandy soils) and/or the depth to the water table is shallow. To minimize possible contamination of groundwater, the use of spot treatment application is recommended in these areas.

**Runoff:** To reduce runoff from treated areas into aquatic habitats avoid areas with a moderate to steep slope, bare soil, or poorly draining soil (e.g. soils that are compacted or fine textured soil, or low in organic matter such as 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. To prevent runoff, avoid spraying on driveways, sidewalks or other hard surfaces. Do not irrigate within 24 hours after application.

**RESISTANCE MANAGEMENT RECOMMENDATIONS:** For resistance management, Pro Tri-Kill Turf Herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to Pro Tri-Kill Turf Herbicide and other Group 4 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. 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. To delay herbicide resistance:

- Where possible, rotate the use of Pro Tri-Kill Turf Herbicide or other Group 4 herbicides with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Agrium Advanced Technologies at 1-800-461-6471.

**PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.**

**Personal Protective Clothing and Equipment:**

- When mixing/loading, wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and protective eye wear (face shield or safety glasses). Rinse gloves before removal.
- Coveralls should also be worn when open pouring from containers.
- When applying or during clean-up and repair, wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Rinse gloves before removal.
- Gloves are not required during application when the applicator is in an enclosed tractor.

When handling more than 265 kg a.e. of 2,4-D per day (approximately 120 ha at highest agricultural rate – 2.24 kg a.e./ha), workers must also use a closed system.

**Application Using Handheld Equipment:** Applicators must wear coveralls over a long-sleeved shirt, long pants, and chemical-resistant gloves.

**Operator Use Precautions:**

- Wear freshly laundered clothing and clean protective equipment daily.
- Rinse gloves before removal.
- Wash hands before eating, drinking, using tobacco or using the toilet.

- If herbicide penetrates clothing remove immediately, then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.
- After using this product, remove clothing and launder separately, and promptly and thoroughly wash hands and exposed skin with soap and water. Follow manufacturer's instructions for cleaning personal protective clothing and equipment. If no such instructions for washables are provided use detergent and hot water.
- Keep and wash personal protective equipment separate from household laundry. After work, remove all clothing and shower using soap and water.

Keep in original container during storage. Do not allow spray, spray mist, visible or invisible vapours or air containing mist or vapours to contact plants other than those being sprayed. If 2,4-D susceptible plants are growing within a distance of 400 m from the area being sprayed, spray only when there is a light breeze away from the susceptible plants. Spray drifting can be reduced by using high volumes of water sprayed under low pressure, using coarse spray nozzles. Susceptible crops include beans, cabbage, cauliflower, grapes, sugar beets, sunflowers, tobacco, tomatoes, turnips as well as many other field, vegetable, ornamental and fruit crops. Do not contaminate any body of water, or watercourse, water used for livestock or for domestic purposes. Do not store open container near food, feedstuffs, seeds, fertilizers or pesticides including insecticides, fungicides and herbicides other than those containing 2,4-D or brush killers. Sprayers which have contained **PRO® TRI-KIL® TURF HERBICIDE** should not be used to apply other pesticides to 2,4-D susceptible crops.

**FIRST AID: 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 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. **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 further treatment advice. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** This product may cause severe irritation to the eyes and irritation to the skin and mucous membranes. Symptoms of overexposure to this product may cause coughing, burning, dizziness, muscle weakness, or temporary loss of muscle coordination, loss of appetite, weight loss, vomiting, decreased heart rate, shortness of breath, excitement, tenseness, depression, incontinence, cyanosis, muscle spasms, exhaustion and loss of voice. Other possible effects of overexposure include fatigue, muscle weakness or nausea. Treat symptomatically.

**DISPOSAL:** Triple- or pressure-rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning

of the container prior to its disposal. Make the container unsuitable for further use. Dispose of the container in accordance with provincial requirements. 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 clean-up of spills.

**IN CASE OF SPILLS, POISONING OR FIRE, TELEPHONE EMERGENCY RESPONSE NUMBER 1-905-572-5678 (CALL COLLECT – 24 HOURS A DAY).**

**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.