

2011-4884
2012-01-31

GROUP	4	HERBICIDE
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PROTURF®
K-O-G™
Granular Weed Control
Contains Dicamba

COMMERCIAL

REGISTRATION NO. 14593 PEST CONTROL PRODUCTS ACT

GUARANTEE: Dicamba, present as the acid 0.70% a.e.

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 16.1 kg

Agrium Advanced Technologies RP Inc.
10 Craig Street
Brantford, ON
N3R 7J1
519-757-0077

DIRECTIONS FOR USE: DO NOT apply by air. This product does not prevent weeds. Apply only when weeds are present. This product works best when applied to the leaves of actively growing weeds.

QUARTER RATE: 3.9 kg/1,000 m²
HALF RATE: 7.9 kg/1,000 m²
NORMAL RATE: 15.8 kg/1,000 m²

For bentgrass putting greens

For bentgrass putting greens apply at QUARTER RATE to moist foliage for control of clover and chickweed. Repeat treatment in 3 weeks if needed. Avoid application during extended hot, dry conditions in summer. To obtain maximum benefit, apply in spring or fall (treats 4,089 m²). Use 3.9 kg/1,000 m².

For use on other turfgrass areas

Turfgrass areas other than greens, apply to moist or dry foliage at —
HALF RATE to control clover (treats 2,045 m²). Use 7.9 kg/1,000 m².

NORMAL RATE to control knotweed, chickweed (common and mouse-ear), sheep sorrel and black medic (treats 1,022 m²). Use 15.75 kg/1,000 m².

DO NOT apply more than two broadcast applications per season. 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. For the control of Canada thistle, curly dock, ground ivy and yarrow, repeat treatment may be required at 6-month intervals for a total of two or three applications.

Avoid application of this product when winds are gusty. TOXIC to broadleaf terrestrial plants. This product may harm other broadleaf plants in the vicinity of the treatment area. DO NOT apply to the exposed roots **or on rootzone areas** of trees and ornamentals. To prevent runoff, DO NOT apply to driveways, sidewalks or any other hard surface. Do not apply when ground is frozen. Delay planting grass seed until after a heavy rain or watering and not sooner than two weeks after treatment. On new plantings delay treatment until after the third or fourth mowing. Do not rake, mow or water within 24 hours after application.

DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands), estuarine or marine habitats. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

RESISTANCE MANAGEMENT: For resistance management, ProTurf[®] K-O-G Granular Weed Control is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to ProTurf[®] K-O-G Granular Weed Control 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 ProTurf® K-O-G Granular Weed Control 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 representatives at 1-800-461-6471 or at www.agriumat.com.

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

Surface Runoff:

To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include but are not limited to heavy rainfall, moderate to steep slope, bare soil and poorly draining soil (e.g. soils that are compacted, fine textured, or low in organic matter such as clay). Potential for contamination of aquatic areas as a result of runoff may be reduced by including an untreated vegetative strip between the treated area and the edge of the water body. Avoid applying this product when heavy rain is forecast.

Leaching:

The use of this chemical may result in contamination of groundwater, particularly in areas where soils are permeable (e.g. sand, loamy sand and sandy loam soils) and/or the depth to the water table is shallow.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Avoid contact with skin, eyes and clothing. Do not contaminate domestic or irrigation water. Do not store near fertilizers, insecticides, fungicides, seeds or food stuffs. Avoid application on garden plants, flowers and rootzone areas of trees and shrubs. *DO NOT use in residential areas, which are defined as sites where bystanders may be present during or after spraying, including homes, schools, parks, playgrounds, playing fields and public buildings.*

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**

in eyes, hold eye open and rise 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: Dicamba may cause severe irritation to the eyes and irritation to the skin and mucous membranes. Symptoms of overexposure to dicamba may include dizziness, muscle weakness, loss of appetite, weight loss, vomiting, decreased heart rate, shortness of breath, excitement, tenseness, depression, incontinence, cyanosis, muscle spasms, exhaustion and loss of voice. Treat symptomatically.

DISPOSAL:

1. Thoroughly empty the contents of the container into the application device.
2. Make the empty container unsuitable for further use.
3. Dispose of the container in accordance with provincial requirements.
4. 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.

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.

ProTurf[®] is a registered trademark used under license from The Scotts[®] Company.

SUGGESTED SPREADER SETTINGS					
To provide proper distribution, calibrate spreader before application. 16.1 kg treats 4,089 m ² at QUARTER RATE (Use 3.9 kg/1,000 m ²) 16.1 kg treats 2,045 m ² at HALF RATE (Use 7.9 kg/1,000 m ²) 16.1 kg treats 1,022 m ² at NORMAL RATE (Use 15.8 kg/1,000 m ²)					
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS		
			QUARTER RATE	HALF RATE	NORMAL RATE
ProTurf [®] Drop Type	5 km/h	Overlap wheels	2	3	4 ¼
Gandy (30")	5 km/h	Overlap wheels	15	20	24
ProTurf [®] Rotaries					
R-7, R-7X	5 km/h	2.4 m	A	B ½	E
R-8, R-8A (cone 9)	5 km/h	2.7 m	G ½	H ½	J
Lely Models (see below)	7 km/h	5.5 m	2 III	2 ¾ III	3 ½ III
Vicon					
Model (02)	7 km/h	5.5 m	8	12	17
Model (03)	7 km/h	3.0 m	6	9	12
Lely Models WTR, WFR, HR and 1250. PTO at 450 rpm.					

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