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2011-4550

**PROTURF®**  
**Granular Weedgrass Preventer**  
**Containing Bensulide**

COMMERCIAL

REGISTRATION NO. 14561 PEST CONTROL PRODUCTS ACT

GUARANTEE: Bensulide 8.50%

READ THE LABEL BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 16.8 kg

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

**Recommended For Use By Professional Turfgrass Managers**

Uses on turfgrass are restricted to residential lawns and  
tees and putting greens of golf courses only.

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## DIRECTIONS FOR USE:

Controls these grassy weeds as they sprout, without harm to desirable turf:

<i>Poa annua</i> (annual bluegrass)	16.5 kg / 1000 m <sup>2</sup>	Apply in late summer or early fall, before germination.
Crabgrass (hairy, smooth)	18.4 kg / 1000 m <sup>2</sup>	Apply any time from fall (September or October) through early spring, prior to crabgrass emergence.
Barnyard grass, Foxtail (green, yellow)	16.5 kg / 1000 m <sup>2</sup>	Apply in fall, winter or spring before germination.

**Golf courses** - For use only on tees and putting greens. Do not use on putting greens composed of 50% or more of annual bluegrass. This product may only be broadcast applied by tractor-drawn spreader. Apply by push-type spreader for spot treatment only.

**Residential lawns** - For use only on residential lawns. Do not use on turfgrass in parks, recreational areas or other public sites [with exception of golf courses, see above]. This product may be applied by tractor-drawn or push-type spreader.

**CAUTION:** Apply only to well established turfgrass. On newly planted areas, wait until the grass has been mowed at least twice and has achieved good coverage. After application, avoid any severe aerating or raking that might disturb the surface and break the chemical barrier. Delay seeding, sprigging or sodding for 1 year after application. Application must precede emergence of weeds from the soil. This product does not control established weeds. Remove leaves, dead tall grass and other debris before applying. Do not apply more than once yearly. This product will not be effective unless it is watered in for 10–15 min after application. For safety reasons, water this product in as soon as possible following application and do not allow children or pets on treated areas until dry following the watering.

**PROTECTIVE CLOTHING AND EQUIPMENT:** Persons handling this product must wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Rinse gloves before removal. Coveralls over long sleeves and long pants must also be worn when mixing, loading and applying to turf (residential lawns or golf courses).

**PRECAUTIONS:** KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed. Avoid inhalation and contact with skin, eyes and clothing. Wash thoroughly after handling, and before eating, drinking or smoking. Avoid unnecessary application of surrounding ground covers and ornamentals. Apply where there is little or no wind to avoid drift.

**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 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:** Bensulide is a cholinesterase inhibitor. Typical symptoms of overexposure to cholinesterase inhibitors include headache, nausea, dizziness, sweating, salivation and runny nose and eyes. This may progress to muscle twitching, weakness, tremor, incoordination, vomiting, abdominal cramps and diarrhea in more serious poisonings. A life-threatening poisoning is signified by loss of consciousness, incontinence, convulsions and respiratory depression with a secondary cardiovascular component. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate degree of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as pralidoxime chloride, may be therapeutic if used early; however, use only in conjunction with atropine. In cases of severe acute poisoning, use antidotes immediately after establishing an open airway and respiration. With oral exposure, the decision of whether to induce vomiting or not should be made by an attending physician.

**ENVIRONMENTAL HAZARDS:** Toxic to fish and other aquatic organisms. Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes and containers. Do not contaminate irrigation water or water used for domestic purposes. Leave buffer zone of untreated ground in areas draining into bodies of water. Bensulide is toxic to bees exposed to direct treatment. Do not apply when bees are present in the areas to be treated. Do not get on desirable plants. Do not contaminate food or feed. Do not store near seeds or fertilizers. May be combustible. Do not use, pour, spill or store near heat, sparks or open flame. Use on mineral soils only. Do not apply by aircraft.

**DISPOSAL:** Keep containers closed when not in use. Do not reuse empty containers. Empty bag thoroughly. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the empty container in accordance with provincial requirements. For information on disposal of unused, unwanted products, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and 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.

**SUGGESTED SPREADER SETTINGS**  
**To provide proper distribution, calibrate spreader before application**  
**(16.8 kg treats 1,018 m<sup>2</sup> at rate of 16.5 kg/1,000 m<sup>2</sup>)**

SPREADER	GROUND or PTO SPEED	WIDTH OF COVERAGE	SPREADER SETTING
			NORMAL RATE
ProTurf <sup>®</sup> (Drop Type)	5 km/h	overlap wheels	6
ProTurf <sup>®</sup> Rotaries	5 km/h	2.4 m	G
Lely Models WTR & WFR	7 km/h	4.8 m	5 II
Lely-HR (PTO Model)	450 rpm @ 7 km/h	4.8 m	5 II

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