

POISON
KEEP OUT OF REACH OF CHILDREN
READ SAFETY INSTRUCTIONS BEFORE OPENING OR USING



Brek 500 SC Herbicide

ACTIVE CONSTITUENT: 500 g/L PROPYZAMIDE
SOLVENT: 42 g/L ETHYLENE GLYCOL

GROUP	D	HERBICIDE
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For Selective Control of *Poa annua* (Winter grass) in Turf

**For Use on Common Couch, Hybrid Couch, Queensland
Blue Couch, Kikuyu and Buffalo grass**

**For Selective Control of Certain Grasses and Broadleaf Weeds in
Lettuce, and Legume Seed Crops and Pastures, as per the
Directions for Use**

**READ COMPLETE DIRECTIONS FOR USE BEFORE OPENING OR USING THIS
PRODUCT**

APVMA Approval No.: 62471/109142



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DIRECTIONS FOR USE

Restrictions

DO NOT use on heavy red and peat soils.

Situation	Weeds Controlled	State	Rate per ha	Rate Bowling Greens 37 m x 37 m	Critical Comments
<p>Turf Established (as listed)</p> <p>Buffalo grass, Common Couch, Hybrid Couch, Kikuyu</p>	<p>Winter grass (<i>Poa annua</i>)</p>	All States	1.2 L (12mL /100 m ²)	170 mL	<p>Apply during the Autumn and Winter, if established turf is infested with seedling winter grass. Ensure a uniform coverage. Irrigate immediately after application with 12 - 25 mm irrigation or rain and again 24 hours later. Repeat if necessary on Qld Blue Couch after 4 weeks.</p> <p>Use only on established turf.</p>
<p>Queensland Blue couch</p>		All States	0.6 L (6 mL /100 m ²)	85 mL	<p>DO NOT use on bluegrass, ryegrass, fescue or bent grass surfaces.</p> <p>Significant damage may occur on some varieties & cultivars such as:</p> <ul style="list-style-type: none"> • common couch (i.e. native couches & couch planted by seed) • kikuyu grasses <p>It is recommended that small areas be tested for turf safety before large-scale application occurs. Turf safety testing is best assessed at 6 - 8 weeks after application. DO NOT re-seed for 60 days after treatment. DO NOT use on Bluegrass, ryegrass, fescue or bent grass lawns.</p>

Situation	Weeds Controlled	State	Rate per ha	Critical Comments
Lettuce Direct sown	Barnyard Grass, Blackberry Nightshade, Chickweed, Portulaca, Winter grass, Ryegrass, Summer Grass,	All States	4.5 L in 330 – 550 L of water	Apply pre-emergent, immediately after sowing. For best results, prepare the seed bed free from clods. Sufficient irrigation to wet the top 3 to 4 cm of soil should be applied within 24 hours.
Lettuce Transplanted	Wireweed, Prince of Wales feather, Shepherd's Purse, Nettles	Vic only	2.3 L in 300 – 550 L of water	Apply immediately after transplanting. For best results, prepare the seed bed free from clods. Sufficient irrigation to wet the top 3 to 4 cm of soil should be applied within 24 hours. Apply on light sandy soils, low in organic matter.
Lucerne, Clover, Medics etc. Grown for forage, hay or seed production	Annual Ryegrass, Winter Grass, Barley Grass, Silver grass. Prairie Grass, Canary Grass, Great Brome, Squirrel tail Fescue and Rats tail Fescue,	NSW, ACT, SA, WA, Tas only	1 – 1.5 L	SEEDLING CROPS: Apply after the third trifoliate leaf is fully developed. ESTABLISHED CROPS: Apply any time before the end of July. WEEDS: Apply when weeds are at Post or Pre-emergent stages. BEST RESULTS: When applied during cool and moist conditions. Rain or irrigation is necessary to thoroughly wet the top 3 to 4 cm of soil. This is similar to 25 mm rain. Use rates towards the higher end of the range on heavy soils, if conditions are not optimal or where a heavy grass population is expected. Grazing or cutting PRIOR to treatment is recommended.
	Wild oats, Perennial Ryegrass, Bent grass, English couch, Yorkshire fog grass, Chickweed, Seedling Sorrel, Blackberry nightshade, Patterson's curse, seedling Wireweed		1.5 – 2 L	

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL
UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION**

WITHHOLDING PERIODS

DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD OR FOR SEED FOR 25 DAYS AFTER APPLICATION

GENERAL INSTRUCTIONS

Brek 500 SC Herbicide is a selective herbicide, absorbed by the roots then translocated to the growing points of the plant, inhibiting cell division in susceptible weeds, leading to disruption of growth and eventual death. This effect is achieved by a gradual accumulation of a lethal dose through the root systems of susceptible species.

Propyzamide has very low water solubility; this property reduces movement through and across the soil profile. It will therefore not move significantly from the top 3 - 5 cm of the soil profile after application.

Best results are obtained by applying the product to cool, wet soil.

Yellowing or chlorosis of the foliage is the first symptom seen in treated weeds. This follows in time by death of the foliage and then the whole plant.

Complete weed death may take up to 6 - 8 weeks (symptoms may not appear for at least 3 - 4 weeks).

MIXING

Prior to pouring, shake container vigorously, then add the required quantity of Brek 500 SC Herbicide to the partly filled spray tank while agitating. Fill tank and agitate to ensure thorough mixing. Continue agitation while spraying. Reseal partly used container immediately.
DO NOT mix with other pesticides.

APPLICATION

DO NOT apply aerially or through any type of irrigation system or equipment.

Ground Application: Spray nozzles should be uniformly spaced and of the same size, and should provide accurate and uniform application. Use spray nozzles that produce a medium spray quality. To ensure accuracy, calibrate sprayer before use and calibrate frequently. Apply at a volume of 400 to 800 L of water per hectare (4 – 8 L of water per 100 m²). Higher volumes should be used for severe weed infestations to ensure adequate spray coverage.

Good even coverage with the spray is essential for optimum weed control. Observe sprayer nozzles frequently during the spraying operation to ensure that the spray pattern is uniform. Avoid overlapping of spray runs. Avoid application under conditions when uniform coverage cannot be obtained or when spray drift may occur.

When spraying avoid overlapping, and shut off spray booms while starting, turning slowing and when stopped. Neglecting these procedures will cause higher rates of application resulting in crop damage. Delay spraying if heavy rain is expected within a few hours.

INSTRUCTIONS TO AVOID SPRAY DRIFT

DO NOT allow spray to drift onto non-target adjacent crops/plants and turf species as even small amounts may injure sensitive plants. When drift may be a problem, take steps to reduce spray drift including:

DO NOT spray if wind is greater than 10 km/hr or if winds are gusting.

Use extreme caution when conditions are favourable for drift, i.e. high temperatures and low relative humidity, especially when sensitive plants are located nearby. All crops/plants and turf species not listed under 'Situation' in the Directions for Use table on this label, should be considered as sensitive plants.

If sensitive plants are downwind, extreme caution must be used under all conditions. Drift from applications of this herbicide is likely to result in damage to sensitive plants adjacent to the treatment site.

FREQUENCY OF APPLICATION

Apply no more than two applications of this product over a 12-month period.

APPLICATION RECORDS

Users of this product MUST make an accurate written record of the details of each spray application within 24 hours following application and keep this record for a minimum of 2 years. The spray application details to be recorded are:

1. Date, with start and finish times of application
2. Location / address of area(s) sprayed
3. Full name of the product, product batch number (BN) and date of manufacture (DOM)
4. Amount of product used per hectare and the number of hectares treated
5. Turf species/situation and weed/pest
6. Wind speed and direction during application
7. Air temperature and relative humidity during application
8. Spray irrigation or rainfall after application, start time, duration and amount (mm)
9. Equipment used; nozzle brand, type, spray angle, operating pressure and total water volume applied per hectare
10. Name of person applying this product
(Additional record details may be required by the State or Territory where this product is used)

SPRAYER CLEANUP

To avoid subsequent injury to crops immediately after spraying thoroughly remove all traces of Brek 500 SC Herbicide from mixing and spray equipment. This is best conducted using a specialist boom-cleaning product, such as Turf Culture Refresh Boom Clean.

RESISTANT WEEDS WARNING

GROUP	D	HERBICIDE
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Brek 500 SC Herbicide is a member of the benzamides group of herbicides. Brek 500 SC Herbicide has the inhibition of tubulin formation mode of action. For weed resistance management, Brek 500 SC Herbicide is a Group D herbicide.

Some naturally occurring weed biotypes resistant to Brek 500 SC Herbicide and other Group D herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by Brek 500 SC Herbicide or other Group D herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Turf Culture Pty Ltd accepts no liability for any losses that may result from failure of Brek 500 SC Herbicide to control resistant weeds.

Advice as to strategies and alternative treatments that can be obtained from your local supplier, consultant, local Department of Agriculture, Primary Industries Department or Turf Culture representative.

PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment, which may cause spray drift onto nearby susceptible plants/crops, cropping land or pastures.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area, out of direct sunlight. Keep from contact with fertilisers, insecticides, fungicides and seeds. Protect from frost.

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

SAFETY DIRECTIONS

Will irritate the eyes and skin. Avoid contact with eyes and skin. When preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, washable hat and elbow-length PVC gloves. After use, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

SAFETY DATA SHEET

For further information refer to the Safety Data Sheet (SDS), which is available from the supplier or from the manufacturer's website: www.turfculture.com.au

CONDITIONS OF SALE

The use of Brek 500 SC Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Turf Culture Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Turf Culture Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.

In a Transport Emergency Dial 000 Police or Fire Brigade