

CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING



Steer 750 Herbicide

ACTIVE CONSTITUENT: 750 g/kg QUINCLORAC

GROUP	I	HERBICIDE
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**For the Post-emergence Control of Summer grass and
White Clover and the Suppression of Kikuyu in Turf
as specified in the Directions for Use**

IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT

APVMA Approval No.: 70424/109233



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DIRECTIONS FOR USE

Restrains

Clippings from the first 3 mowings should be left on the treated area.

DO NOT apply into any ornamental bed.

DO NOT apply when weeds are not actively growing.

DO NOT apply if heavy rain is expected within 48 hours, or within 8 hours prior to irrigation.

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

DO NOT apply to golf course collars or greens.

DO NOT apply to bowling greens.

DO NOT apply within 4 weeks after seedling emergence of Kentucky Bluegrass, Creeping Bentgrass and Perennial Ryegrass.

Situation	Weeds Controlled	Rate	Critical Comments
Established turf of: Common couch (<i>Cynodon dactylon</i>), Hybrid couch (<i>Cynodon dactylon</i> x <i>C. transvaalensis</i>), Japanese lawngrass (<i>Zoysia japonica</i>), Marine couch (<i>Sporobolus virginicus</i>), Perennial ryegrass (<i>Lolium perenne</i>), Bent (<i>Agrostis stolonifera</i>), Kentucky Bluegrass (<i>Poa pratensis</i>) See also 'Protection of crops, native and other non-target plants' section.	Summer grass (<i>Digitaria spp.</i>)	1.1 kg/ha in 400 L of water	One application: Weeds at cotyledon stage up to prior to second tiller OR weeds at 5 tillers and greater. Two applications: 21 to 28 days apart: Weeds from 2 to 4 tillers. The addition of a crop oil adjuvant (preferably a methylated seed oil) may improve weed control in unfavourable weather conditions.
	Kikuyu (<i>Pennisetum clandestinum</i>)		For Kikuyu suppression, apply twice, 14 to 21 days apart. Best results are gained from Autumn applications.
	[Suppression only]		The addition of a crop oil adjuvant (preferably a methylated seed oil) may improve weed control in unfavourable weather conditions.
	White Clover (<i>Trifolium repens</i>)		Apply to actively growing weeds.

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

GENERAL INSTRUCTIONS

Steer 750 Herbicide will provide post-emergence control of summer grass and clover in turf.

Quinclorac is rapidly absorbed through the foliage and translocated throughout the plant. Death of sensitive weeds usually occurs between 1 and 2 weeks after treatment. Kikuyu can be suppressed by applying two post-emergence treatments. Best results will be achieved if Kikuyu is treated in Autumn.

Mixing

To ensure even mixing, half-fill the spray tank with clean water and add the required amount of product. Agitate thoroughly, then add the remainder of the water. Agitate again before spraying commences.

The addition of a crop oil adjuvant (preferably a methylated seed oil) may improve weed control in unfavourable weather conditions.

Note: Add the required quantity of Steer 750 Herbicide directly to the tank water, **DO NOT** mix with water through a filter basket. **DO NOT** make a slurry or paste prior to adding to the tank. Maintain agitation at all times – from mixing to spraying (including spraying times).

Application

Apply Steer 750 Herbicide to actively growing weeds at the growth stage indicated in the Directions for Use table. Apply the product in 400 L of water/ha. DO NOT apply through any type of irrigation system. Avoid overlaps during application.

Separate applications should be made if all target weeds are not at the correct growth stage for treatment at the same time. It is recommended not to mow 2 days before or after applying Steer 750 Herbicide to maximize weed control and minimize turf injury.

Refer to the Restraints listed above the Directions for Use table for further application advice.

Compatibility

The product is compatible with DSMA, Astro 250 EC Growth Regulator and Astro 120 ME Growth Regulator.

TURF SAFETY

Transient discolouration may occur on Bent grass and Hybrid couch (i.e. Santa ana), which may last for a period of at least 20 days. It is recommended that small areas be tested for turf safety before large-scale application occurs. Avoid exceeding application rates through overlapping sprayed areas.

MEASURING GUIDE

The best way to measure Steer 750 Herbicide is by using weighing scales, however if you do not have scales, you can use a liquid (volume) measuring container.

Steer 750 Herbicide has a bulk density of 0.70 (when tapped 5 times); from this a volume measurement can be calculated and used as a guide.

See bulk density guide below:

Steer 750 Herbicide	Volume measured
100 g	143 mL
250 g	357 mL
500 g	714 mL
550 g	786 mL
700 g	1000 mL (1 L)
750 g	1071 mL
1000 g (1 kg)	1429 mL
1100 g (1.1 kg)	1571 mL (1.57 L)
Pour the product into the liquid measuring container, then tap the base of the liquid measuring container 5 times on a hard surface to allow the product to settle. Then ensure the product is flat and level in the measuring container to ensure an accurate volume reading.	

RESISTANCE WARNING

GROUP	I	HERBICIDE
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Steer 750 Herbicide is a member of the Carboxylic acid group of herbicides and has the Disruptors of Plant Cell Growth mode of action. For weed resistance management this product is a Group I herbicide. Some naturally occurring weed biotypes resistant to Steer 750 Herbicide and other disruptors of plant cell growth 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. The resistant weeds will not be controlled by Steer 750 Herbicide or other Group I 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 the failure of Steer 750 Herbicide to control resistant weeds.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands, pastures or native vegetation. Quinclorac has properties and characteristics associated with chemicals detected in groundwater. The use of this product where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

DO NOT apply to Bahia grass (*Paspalum notatum*), Centipedegrass (*Eremochloa ophiuroides*), Buffalo grass (*Stenotaphrum secundatum*), Kikuyu (*Pennisetum clandestinum*), Qld Blue Couch (*Digitaria didactyla*), Carpet grass (*Axonopus* spp.) or lawns or turf where desirable clovers are present.

DO NOT apply to ornamental beds or to exposed feeder roots of trees and ornamentals. Be particularly careful within the drip line of these plants.

DO NOT apply to golf course collars or greens.

Clippings from the first 3 mowings should be left on the treated area.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. 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 opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, and elbow length PVC gloves. Wash hands after use. After each day's use wash gloves and contaminated clothing.

FIRST AID INSTRUCTIONS

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 Steer 750 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