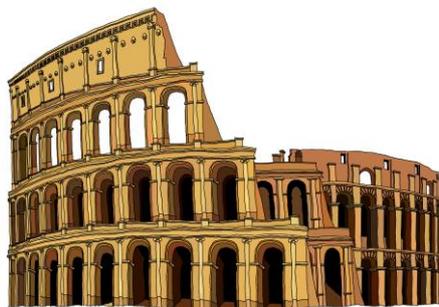


CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING



Coliseum Herbicide

ACTIVE CONSTITUENT: 250 g/kg RIMSULFURON

**For the Control of Winter Grass (*Poa annua*) and
Ryegrass (*Lolium spp.*) in Common Couch and
Hybrid Couch Turf & Lawns**

IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT

APVMA Approval No.: 61358/135222HG



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HOW TO USE

Measure lawn area before application.

Situation	Weeds Controlled	Rate	Critical Comments
Established Turf & Lawns species as listed: Common Couch <i>(Cynodon dactylon)</i> , Hybrid Couch <i>(Cynodon dactylon x Cynodon transvaalensis)</i>	Winter Grass <i>(Poa annua)</i>	1 gram per 100 m ²	Ideally apply when weeds are small and young.
	Ryegrass <i>(Lolium spp.)</i>	1.2 grams per 100m ²	Refer to Measure Spray Area & Calibrate section to ensure correct rate is applied.

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

GENERAL INSTRUCTIONS

Coliseum Herbicide is a water dispersible granule formulation to be mixed with water and applied as a spray. Coliseum Herbicide is a selective post-emergent herbicide that controls Winter Grass (*Poa annua*) and Ryegrass (*Lolium spp*) in Common Couch and Hybrid Couch turf and lawns.

Coliseum Herbicide is safe to use on the **established** turf species listed in the Situation column of the HOW TO USE table.

Weed Growth Stage & Environmental Conditions

Warm, moist conditions following treatment promote the activity of Coliseum Herbicide, while cold, dry conditions delay activity. Weeds hardened-off by cold weather and/or drought stress will be less susceptible. A vigorously growing turf stand will aid weed control by shading and providing competition to weeds.

Growth of susceptible weeds is inhibited soon after application of Coliseum Herbicide. The leaves of susceptible plants normally turn yellow, red or purple after several days, followed by necrosis and death of the growing point. Complete plant death generally occurs 2 to 4 weeks after application, depending on the weed species, growing conditions, etc.

Timings

Apply to weeds that are healthy and actively growing, Coliseum works best when daily air temperatures are reaching 18°C. Warmer temperatures lead to best results, i.e. when daily air temperatures are reaching 21°C and higher.

If air temperatures are only reaching 15°C or lower, sub-par weed control may be observed.

It is not advisable to use Coliseum Herbicide during cold periods in winter (i.e. daily air temperatures only reaching 15°C or lower).

Dilution Rate / Mixture Rate

There is no standard or set Dilution Rate or Mixture Rate. The water volume **you** will use to cover the area needs to be measured, as each individual apply using different sprayers, pressure and walking speeds. This requires Calibration. Any and all sprayers can be calibrated.

Measure Spray Area & Calibrate

Before application, measure the lawn area to be sprayed, and determine the amount of Coliseum Herbicide required. Then calibrate your spraying equipment to work out how much water you will be spraying to cover the area.

Example

- Let us use the 'Winter Grass' rate of 1 gram of Coliseum per 100 m² rate as an example.
- This means apply 1 gram in a convenient amount of water per 100 m² (For Coliseum, a minimum of 5 Litres of water per 100 m² is required).

- By spraying just water, establish the amount of water you spray over a set area (i.e. 100 m²), then add the product rate (in this example 1 gram of Coliseum) into that volume of water to spray evenly over 100 m².
- Therefore, if you spray at 5 Litres per 100 m² then add 1 gram of Coliseum into 5 Litres of water to spray 100 m², if you spray at 6.2 Litres of water per 100 m² then add 1 gram of Coliseum into 6.2 Litres of water to spray 100 m².

To learn more about calibrating your spraying equipment visit <http://calibrate.turfculture.com.au>

IF YOU DO NOT CALIBRATE YOUR EQUIPMENT, IT IS HIGHLY LIKELY YOU WILL OVERDOSE – LEADING TO POTENTIAL TURF DAMAGE.

Application

Apply at a volume of greater than 5 L of water per 100m². To ensure evenness and accuracy, calibrate sprayer to ensure your water volume you are spraying at is known, then dose the Coliseum Herbicide application rate you have chosen from the HOW to USE table into the water volume you have calibrated too, by following the MIXING steps below.

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.

For optimum performance avoid mowing for 2 days prior and following application. Areas to be treated should be free of grass clippings & decaying leaves before applying the product.

Weed control may be reduced if rainfall occurs soon after application. Several hours of dry weather are needed to allow Coliseum Herbicide to be sufficiently absorbed by weed foliage (usually 4 hours).

Apply 2 light irrigation cycles (approx. 3mm rainfall equivalent per cycle) 1 hour apart within 12 to 24 hours after application to move Coliseum Herbicide from the turf canopy and into the soil. Apply enough irrigation water to penetrate the soil, but do not allow the water to sheet or move laterally onto non-target areas (see Lateral Movement section below).

Mixing – Garden Sprayer

1. Add the required amount of water to your garden sprayer.
2. Add the required quantity of Coliseum Herbicide to the pre-filled (with water) garden sprayer.
3. Agitate garden sprayer by way of shaking (ensure garden sprayer lid / screw top cap is closed completely to stop leaking), to achieve thorough mixing before application.
4. If the application of the garden sprayer mixture is paused, repeat Step 3, prior to resuming application.
5. Only mix sufficient chemical for application within the hour.

Turf Safety

Turf stress factors that occur during, prior to, or after the application may cause, temporary chlorosis (lime green colour) to occur. Symptoms usually disappear within 5 to 15 days. Drought, frost, cold temperatures, high temperatures, or extreme temperature variations can be stress factors. To minimise the potential for temporary chlorosis, it is recommended that Coliseum Herbicide be applied only if there have been at least 3 successive days of sunny weather prior to application. Turf species/cultivars may differ in their response to various herbicides.

Lateral Movement

Caution should be used when applying this product to slopes of heavy or clay soils that drain onto non-target areas.

Lateral movement post application can be observed in heavier clay soils which are characterized by low water infiltration rates, due to over irrigating post application or unpredictable rainfall heavy enough to move Coliseum Herbicide laterally. This problem can be significantly reduced by use of short, frequent irrigation cycles 12 to 24 hours post application. A minimum of 2 irrigation cycles is recommended in order to move Coliseum Herbicide from the turf and weed canopy into the soil. The use of a soil wetting agent may be beneficial in both clay and sandy soils where slopes are severe, to help water penetrate into the soil and move Coliseum Herbicide into the soil profile.

Plantback Period

Allow at least 10 days between the last application and over-seeding with cool season grasses for winter cover.

Resistance

When herbicides that affect the same biological site of action are used repeatedly over several years to control the same weed species in the same field, naturally occurring resistant biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that field. Adequate control to these resistant weed biotypes cannot be expected. If weed control is unsatisfactory, it may be necessary to retreat the problem area using a product affecting a different site of action.

To better manage herbicide resistance through delaying the rapid increase in numbers and possible dominance of herbicide-resistant weed biotypes, it may be necessary to change cultural practices within and between weed seasons such as using a combination of renovation to ensure a tight dense coverage of turf to prevent weed establishment and re-treatment, tank mix partners, and/or sequential herbicide applications that have a different Mode of Action. For example, Spartan Herbicide should be used in conjunction with Coliseum Herbicide. Spartan Herbicide is ideal for the pre-emergent prevention of weeds and should be used prior to the germination of target / problems weeds, this can reduce the reliance on single Mode of Action control whilst also reducing the likelihood of resistance weeds becoming dominate.

Weed escapes that are allowed to go to seed will promote the spread of resistant biotypes.

Naturally occurring weed biotypes that are resistant to other herbicides in the sulfonylurea chemical family will also be resistant to Coliseum Herbicide since it is also a member of the sulfonylurea chemical family of herbicides.

CAUTION

DO NOT apply if rainfall is expected within 3 hours.

DO NOT apply to plants wet with rain or dew.

DO NOT use with acidifying agents/surfactants (e.g. LI 700 Surfactant or equivalents).

DO NOT apply to weeds that are not actively growing or stressed by any cause such as adverse weather conditions, drought or waterlogging.

DO NOT apply where Winter Grass, Ryegrass, Fescue, Kikuyu or Bent grasses are desired species.

DO NOT apply to newly seeded or sodded turf. Delay application until turf is established with a root system beyond 5 cm depth.

DO NOT apply in water lower than pH 6 (Rainwater or Potable [town] water is ideal).

DO NOT mix with tank mix partners that have potential to acidify the mixture (i.e. some fertilisers) because Coliseum Herbicide is rapidly broken down in acidic conditions.

DO NOT mix with products or fertiliser with high salt content, i.e. ferrous sulphate or ammonium sulphate, keep in mind liquid fertilisers can and usually do contain ferrous sulphate and or ammonium sulphate.

DO NOT mix with soil amendments products (i.e. kelps, seaweed, humic & fulvic acids etc.).

DO NOT allow entry into treated areas until the spray has dried, this includes pets (usually 3 to 4 hours of dry weather are needed).

DO NOT apply more than 2 applications per season.

DO NOT re-apply within 8 weeks.

DO NOT store a suspension of Coliseum Herbicide for more than 2 days, otherwise significant breakdown may occur.

DO NOT apply through any type of irrigation equipment.

DO NOT allow spray to contact or drift onto plants such as desirable flowers, ornamentals, vegetables, shrubs or trees (i.e. non-target vegetation).

DO NOT graze treated turf / lawn or feed turf / lawn clippings from any treated area to poultry or livestock for 21 days after application.

DO NOT use grass clippings from treated area for compost, around edible and non-edible plants or trees for 21 days after application.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

This product may cause injury to or loss of trees and other vegetation, including aquatic plants.

DO NOT apply spray or drain or flush equipment on or near trees or other plants or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated, dry place out of reach of children and pets. DO NOT store in direct sunlight. Dispose of empty container by wrapping in paper, placing in plastic bag and putting in garbage.

SAFETY DIRECTIONS

May irritate the eyes. Avoid contact with eyes. Wash hands after use.

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 Coliseum Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Turf Culture 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 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