



# Wipe-Out® Bio

## Product Overview

- WIPE-OUT® BIO is a non selective herbicide containing 360 g/L of the active ingredient glyphosate present in the form of an isopropylamine (IPA) salt
- It is registered for the control a wide range of perennial and annual weeds in a range of situations including general weed control, non agricultural, brush and woody weed, aquatic and forestry uses
- WIPE-OUT® BIO has an aquatically approved adjuvant system within the formulation.

## Mode of Action

GROUP **M** HERBICIDE

Glyphosate, the active ingredient in WIPE-OUT® BIO, controls weeds by inhibiting the activity of the EPSP enzyme (5-enolpyruvylshikimic acid-3-phosphate synthase), which is necessary for the formation of the aromatic amino acids within the plant. These amino acids are important in the synthesis of proteins that link primary and secondary metabolism of nutrients. As a result of the reduced metabolism of nutrient within the plant, food sources required for growth are not available, essentially resulting in weed death in 7-14 days. EPSPs are present in the chloroplast of most plant species, but are not present in animals, providing a high degree of safety to users. WIPE-OUT® BIO is classified as a Group M herbicide.

Glyphosate is highly systemic within the plant. Hence, upon entering the plant's foliage, glyphosate moves downwards throughout the plant to the root system.

## How to get the best results from WIPE-OUT® BIO

- DO NOT disturb treated weeds by cultivation for 1 day after treatment for annual weeds, and 7 days after treatment for perennial weeds
- DO NOT treat weeds under poor growing or dormant conditions including drought, water logging, disease and insect damage or following frost
- Reduced control may occur when treating weeds heavily covered in dust or silt.
- Glyphosate is inactivated on contact with the soil. Glyphosate is absorbed by the foliage, with rapid translocation throughout the plant
- Ensure spray tank water doesn't have high pH, suspended solid content and elevated water hardness levels as this will effect performance
- When using WIPE-OUT® BIO in waterways, only treat half the water body at a time, to prevent fish kills caused by dissolved oxygen depletion.



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## Use Rates

Situation	Rate/ha (boom application)	Handgun (per 100 L of water)	Knapsack (per 15 L of water)
Domestic Areas	-	-	150 mL
Annuals	2 - 3 L	500 - 700 mL	75 - 100 mL
Perennial Weed Range	1.5 - 9 L	500 mL - 1.3 L	75 - 225 mL
Brush & Woody Weeds Range	-	500 mL - 2.0 L	75 - 300 mL
Aquatic Weed Control	2 - 9 L	500 mL - 1.3 L	75 - 200 mL
Forestry	1.5 - 9 L	500 mL - 1.3 L	75 - 225 mL

## Unwanted Tree Control Rates

Method	Tree Size	Mixture (by Vol) Product:Water
Cut Stump	0 - 10 cm (diameter)	1:15
	0 - 30 cm (diameter)	1:1
Foliar Application (Gas Gun / Splatter Gun)	0 - 1.5 m (height)	1:15
Foliar Application (Knapsack / Handgun)	0 - 1.0 m (height)	1 - 1.3 L per 100 L.
Stem Injection	0 - 25 cm (diameter)	Undiluted - 1 mL / cut
	25 - 60 cm (diameter)	Undiluted - 2 mL / cut

**Wiper Equipment** - Mix 1 L of WIPE-OUT® BIO with 2 L clean water to prepare 33% solution. Travel at 8 km/hr.

## Features and Benefits

Features	Benefits
Aquatically approved surfactant package	Ideal for use in urban environments and around waterways
Quality formulation.	Surfactant concentration is as per specifications
drumMUSTER compliant	Easy to dispose of drums & environmental benefits
Available in 1L, 5L, 20L and 1000L pack sizes.	Pack size available to meet your requirements and handling needs
The bulk packaging that WIPE-OUT® BIO comes in fits most pump systems	Easy to use and work with
Excellent tank mix flexibility.	Can be mixed with a range of products to maximize residual or knockdown performance.

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