



Clear Up Bio 360

A Bi-Aquatic herbicide ideal for use in urban environments and waterways

What is Clear Up Bio 360 Bi-Aquatic Herbicide?

Clear Up Bio 360 Bi-Aquatic is a non selective herbicide containing 360g/L of the active ingredient glyphosate present in the form of an isopropylamine (IPA) salt.

It is registered for the control of a wide range of perennial and annual weeds in a number of situations including general weed control, non-agricultural, brush and woody weed, aquatic and forestry uses.



Features of Clear Up Bio 360 Bi-Aquatic

- ✓ Aquatically approved surfactant package, ideal for use in urban environments and around waterways
- ✓ Quality formulation
- ✓ Cost effective form of Glyphosate
- ✓ Australian made and supported
- ✓ *drumMUSTER* compliant, easy to dispose of drums & environmental benefits
- ✓ Smaller pack sizes offer manual handling benefits
- ✓ The HDPE bottle that Clear Up Bio 360 Bi-Aquatic comes in fits most pump systems
- ✓ Excellent tank mix flexibility

➤ Clear Up Bio 360 Bi-Aquatic Mode of Action

Glyphosate, the active ingredient in Clear Up Bio 360 Bi-Aquatic, 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. Clear Up Bio 360 Bi-Aquatic 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 where it reaches the root system.



Clear Up Bio 360

Clear Up Bio 360 Bi-Aquatic at a glance

Active Ingredient	360g/L Glyphosate (IPA Salt)
Formulation	Aqueous Concentrate (Flowable)
Pack Size	5L, 10L, 20L
Rate	1.5-9.0L/ha
Poison Schedule	Schedule 5 (Caution)
Mode of Action	Group M Herbicide

► Aquatic Toxicity Laboratory Results: Comparison of 360g/L Glyphosate with Built-in Adjuvants

Surfactant / Adjuvant	Rate (g/L)	Test Species			GUIDELINES FOR INTERPRETATION OF ADJUVANT DATA
		Water Flea 48 hrEC ₅₀ (mg/L)	Frog - tadpole 96 hrEC ₅₀ (mg/L)	Rainbow Trout 96 hrLC ₅₀ (mg/L)	
Original Surfactant in Glyphosate formulations	170	3.0	–	–	Strongly eco-toxic <1ppm Eco-Toxic 1-10ppm Mildly eco-toxic 10-100ppm Weakly eco-toxic 100-1000ppm Not toxic >1000ppm
Clear Up Bio 360 Adjuvant	170	210	2563	806	LC ₅₀ & EC ₅₀ – The concentration, in parts per million, of a substance that is lethal to 50% of the laboratory animals exposed to it.

► Clear Up Bio 360 Bi-Aquatic Application Information

Situation	Rate/ha (boom application)	Handgun (per 100L of water)	Knapsack (per 15L of water)
Domestic Areas	–	–	150mL
Annual Weeds	2-3L	500-700mL	75-100mL
Perennial Weeds	1.5-9L	500mL-1.3L	75-225mL
Brush & Woody Weeds	–	500mL-2.0L	75-300mL
Aquatic Weed Control	1.3-2.1L	500-700mL	75-200mL
Forestry	1.5-9L	500mL-1.3L	75-225mL

Unwanted Tree Control

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

► Tips for maximising the performance of Clear Up Bio 360 Bi-Aquatic

- 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 such as occur in drought, water logging, disease, 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 does not have high pH, suspended solid content and elevated water hardness levels.
- When using Clear Up Bio 360 Bi-Aquatic in waterways, only treat ½ half the water body at a time, to prevent fish kills caused by dissolved oxygen depletion.

Wiper Equipment: Mix 1L of Clear Up Bio 360 Bi-Aquatic with 2L clean water to prepare 33% solution. Travel at 8km/hr.

This publication is a guide only and no substitute for professional or expert advice. The product label should be consulted before use of any of the products referred to in this publication. Nuturf, a division of Australian Agribusiness (Holdings) Pty Ltd shall not be liable for any results, loss, or damage whatsoever, whether consequential or otherwise through the use or application of products and/or materials referred to herein. Before using, always read the product label. More information: Contact your local Nuturf rep or go to www.nuturf.com.au