

# CLIPPER® HERBICIDE



GROUP 14 HERBICIDE

**(ACTIVE CONSTITUENT:  
Each effervescent  
tablet contains 15 g  
FLUMIOXAZIN)**

*For the control of  
aquatic weeds in  
agricultural, non-  
agricultural, pasture and  
natural aquatic systems,  
including all bodies of  
fresh water which are  
non-flowing and the  
margins of streams,  
lakes, dams and  
channels which are slow  
moving or quiescent.*

**For use by accredited  
persons only.**

(Contact Macspred Australia  
representative below for  
accreditation details)

## Product overview

Clipper Herbicide is a fast-acting contact herbicide that controls selected floating, emergent and submerged aquatic weeds and algae.

It is most effective when applied to young, actively growing weeds in water with pH less than 8.0.

Clipper Herbicide is a large-diameter, effervescent herbicide tablet contained in a water-soluble wrapping which can be applied in two ways:

- A. thrown directly into the water body where the target weeds grow, without the aid of spraying equipment, or
- B. dissolved in water and applied with conventional spraying equipment.

Approximately 27 tablets are required per Megalitre of water (1 tablet per 37.5m<sup>3</sup> of water).

## How does Clipper Herbicide work?

Is a unique dissolvable effervescent tablet that is a Group 14 or the old Group G Herbicide. It is a fast-acting contact herbicide that controls selected submerged, emergent and floating aquatic weeds.

The half life diminishes significantly when applied to a pH over 8.0.

Clipper Herbicide is a PPO inhibitor a member of the N-phenylphthalimides group of herbicides.

The mode of action of Clipper Herbicide is to inhibit protoporphyrinogen oxidase (Protox), an enzyme important in the synthesis of chlorophyll.

## Product profile

Clipper Herbicide is a game changer for the control of many problematic emergent and submerged aquatic weeds. Its breakdown in water is considered moderately fast and in water with a higher pH the breakdown is rapid. The active ingredient FLUMIOXAZIN is considered not persistent in water.

A great profile with low toxicity to fish, crustaceans' frogs, etc. (See the label instructions for more details).

## Clipper Herbicide withholding periods

- Between treatment and re-entering treated water: not required.
- Between treatment and using treated water for drinking by pets and livestock: not required.
- Between treatment and using treated water to irrigate pasture for grazing: 2 days.
- Between treatment and using treated water to irrigate couch or kikuyu turf and lawns: 2 days.
- For other turf species – contact your supplier.
- Between treatment and using treated water for recreational fishing: 3 day.

# Application of Clipper Herbicide

- The label contains detailed instructions on calculating the number of tablets required for treatment.
- There is also a calibration model available for use.
- The accreditation process trains candidates in all methods of application and calibration.

## Weeds controlled with an application of Clipper Herbicide

The label lists the control of many troublesome aquatic weeds these include floating, emergent and submerged weeds:

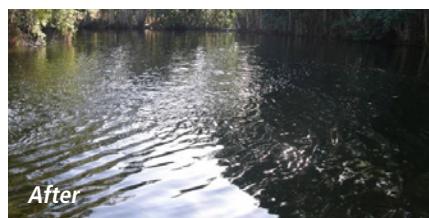
Alligator weed (*Alternanthera philoxeroides*), Amazon Frogbit (*Limnobium laevigatum*) Azolla (*A.pinnata* and *A. filiculoides*), Blunt Blue Water Lily (*Nymphaea spp*), Pondweed (*Potamogeton ochreatus*), Cabomba (*C. caroliniana*), Duckweed (*Lemna spp*), Floating filamentous algae (*Cladophora spp*, *Spirogyra spp*), Leafy Elodea (*Egeria densa*), Mexican Water lily (*N.mexicana*), Sagittaria (*S.platyphylla*), *Salvinia* (*S. molesta*), Slender knot or Smartweed (*Persicaria decipiens*), Water Lettuce (*Pistia stratiotes*), Water stargrass (*Heteranthera zosterifolia*), Yellow water poppy (*Hydrocleys nymphoides*).

## Application restrictions (See the label for more details)

28° S Parallel	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
North (NT, Qld, WA)	✓	✓	✓	✓	✓	X	X	X	✓	✓	✓	✓
South (Vic, NSW, Tas, WA)	✓	✓	✓	✓	X	X	X	X	X	✓	✓	✓

## Clipper Herbicide treatment results

Amazon frogbit, Cairns QLD



Water lettuce, Salvinia, Cairns QLD



### TECHNOTE

#### Where can I find out more about Clipper Herbicide?

For further information and advice, contact your Macspred Australia technical assistant

**John Campbell**  
Southern Business Manager  
0499 448 522

**Ray Gurney**  
Northern Business Manager  
0427 766 304

**Mark Frances**  
Managing Director  
0407 607 989

[www.clipperaquatic.com.au](http://www.clipperaquatic.com.au)  
[www.macspred.com.au](http://www.macspred.com.au)

**Sumitomo Chemical Australia Pty Ltd**  
51 Rawson Street Epping NSW 2121  
Tel: 02 8752 9000  
A.B.N. 21 081 096 255

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