

Weed Control Management Plan for: Mexican water lily

Botanical Name: *Nymphaea mexicana*

Common Names: Mexican water lily

Northern Tablelands Regional Priority Weeds Objective – CONTAINMENT (Whole of Region)

This weed is widely distributed in parts of the region. While broad scale elimination is not practicable, minimisation of the biosecurity risk posed by these weeds is reasonably practicable.

General Biosecurity Duty

All plants are regulated with a **general biosecurity duty** to prevent, eliminate or minimise any biosecurity risk they may pose. Any person who deals with any plant, who knows (or ought to know) of any biosecurity risk, has a duty to ensure the risk is prevented, eliminated or minimised, so far as is reasonably practicable.

Regional Recommended Measure:

Outcomes to demonstrate compliance with GBD

- Land managers should prevent spread from their land.
- Land managers should mitigate the risk of new weeds being introduced to their land.
- The plant should not be bought, sold, grown, carried or released into the environment.
- Notify local control authority if found.
- **Mandatory Measure** (Division 8, Clause 33 Biosecurity Regulation 2017)- A person must not import into the State or sell.



A native of Mexico and South Eastern USA, Mexican waterlily has been extensively used as an aquatic ornamental.

It is a common invader of still or slow moving water bodies, particularly where nutrients are high. It spreads vegetatively from stolons into water up to 2 metres deep.

Mexican waterlily can choke waterways, degrade water quality, out-compete native plant species and make aquatic habitats unsuitable for some fauna species

Mexican waterlily is an attached aquatic perennial, with emergent leaves and flowers. Leaves are waxy, elliptical and become erect when crowded.

Flowers are yellow; opening during the day and closing at night. Underwater rhizomes produce white horizontal stems (stolons) that produce new plants at the nodes. New plants forming at the nodes can easily detach and establish elsewhere.

Mexican waterlily is difficult to eradicate. Manual removal (either mechanical or by hand) will only be successful where all parts of the plant (especially the extensive underwater structures) are removed. The plant should be disposed of at an appropriate waste management facility.

Mexican water lily control calendar

JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
HERBICIDE OPTIMAL						HERBICIDE OPTIMAL					
MECHANICAL											

Registered Herbicide Application Rates:

Glyphosate 360 g/L (Only products registered for aquatic use) Rate: 1 L to 100 L of water Comments: Re-treat unaffected plants.

Diquat 20 g/L (Vegetrol®) Rate: 4.0 L per 100 L of water Comments: Apply as an overall spray. Thoroughly wet foliage. Best if clean water is used; higher rate if dense weed or dirty water. Observe withholding period.

Diquat 20 g/L (Vegetrol®) Rate: 50–100 L/ha Comments: Apply as an overall spray. Thoroughly wet foliage. Best if clean water is used; higher rate if dense weed or dirty water. Observe withholding period.

Diquat 200 g/L (Reglone®) Rate: 400 mL per 100 L of water Comments: Add Agral 600 wetter; use clean water for best results. Observe withholding period. Withholding period: 1 day in pasture, 10 days in treated water.

Critical Comments:

- Consult your weeds officer for application tips
- Always read and follow the Label instructions and MSDS of respective herbicides.

NOTE:

(a) All Control Techniques involving herbicide use, must comply with the directions on the herbicide label or the conditions set out in a current permit to use a nominated herbicide.

Linkage to Plans/Strategies

- Northern Tablelands Regional Strategic Weed Management Plan 2017-2022
- NSW Biosecurity Strategy 2013-2021
- NSW Biosecurity Act 2015
- *Pesticides Act 1999* and Pesticide Regulation 2017

References

- *NSW DPI Website /Weedwise/ Noxious and Environmental Weed Control Handbook 6th Edition.*



Download the weedwise app for detailed information on priority weeds in our area.

For Further Information:

New England Weeds Authority
129 Rusden St
Armidale NSW 2350
PH: (02) 6770 3602 www.newa.com.au

or
NSW DPI Weedwise: <http://weeds.dpi.nsw.gov.au/>

Northern Tablelands Local Land Services:
<https://northerntablelands.lis.nsw.gov.au/biosecurity>

