

NSW Weed Risk Management assessment: *Macfadyena unguis-cati*

(Return to: <http://www.dpi.nsw.gov.au/agriculture/pests-weeds/weeds/wrm-system>)

		<i>Macfadyena</i>		
		<i>unguis-cati</i>		
		Cat's claw creeper		
		Bignoniaceae		
	Area considered	Sydney basin		
	Landuse	Native vegetation		
	Density	Medium density in landuse		
		Standard weed management is site treatment with a range of labour-intensive tools.		
Invasiveness			Do not know	
Q1	score	2	0.0	Surmised from Downey and Turnbull (2006), pg. 85.
Q2	score	1.5	1.5	Do not know.
Q3	a	0	0.0	Surmised from Downey and Turnbull (2006), pg. 85.
	b	1	0.0	Downey and Turnbull (2006), pg. 85.
	c	2	0.0	Surmised from Downey and Turnbull (2006), pg. 86.
	total	3		
Q3	score	2		
Q4	a	0	0.0	Downey and Turnbull (2006), pg. 85.
	b	0	0.0	Downey and Turnbull (2006), pg. 85.
	c	2	0.0	Downey and Turnbull (2006), pg. 85.
	d	1	0.0	Downey and Turnbull (2006), pg. 85.
	total	3		
Q4	score	2		
Q5	a	1	0.0	Downey and Turnbull (2006), pg. 87.
	b	0	0.0	Downey and Turnbull (2006), pg. 85.
	c	0	0.0	Downey and Turnbull (2006), pg. 85.
	d	0	0.0	Downey and Turnbull (2006), pg. 85.
	total	1		
Q5	score	1		
Invasiveness score		8.5		
Impacts				
Q1	score	1.5	1.5	Do not know.
Q2	score	4	0.0	Downey and Turnbull (2006), pg. 86.
Q3	score	3	0.0	Downey and Turnbull (2006), pg. 86.
Q4	score	2	0.0	S. Johnson pers. comm.
Q5	score	0	0.0	Downey and Turnbull (2006).
Q6	a	1	0.0	Downey and Turnbull (2006), pg. 86.
	b	0	0.0	Downey and Turnbull (2006).
	c	0	0.0	Downey and Turnbull (2006).
	d	0	0.0	Downey and Turnbull (2006).
	e	1	0.0	Downey and Turnbull (2006), pg. 86.
	f	0	0.0	Downey and Turnbull (2006).
	total	2		
Q6	score	2		
Impacts score		12.5		
Potential distribution				
	score	2	0.0	Downey and Turnbull (2006), pg. 84. Riparian and rainforest areas with some dry sclerophyll forest.
Comparative weed risk and Uncertainty scores				
Corrected Invasiveness		5.7		
Corrected Impacts		6.6		
Corrected Potential distribution		2.0		
Comparative Weed Risk		75		
		Medium		
Uncertainty Invasiveness		10.7		
Uncertainty Impacts		13.6		
Uncertainty Potential Distribution		0.0		
Control costs				

Macfadyena unguis-cati (cont.)

Q1	a	1	0.0	S. Johnson pers. comm.
	b	0	0.0	Downey and Turnbull (2006), pg. 85.
	c	0	0.0	Downey and Turnbull (2006), based on climbing habit
	d	1	0.0	Downey and Turnbull (2006), based on climbing habit
	total	2		
Q1	score	2		
Q2	score	1	0.0	S. Johnson pers. comm.
Q3	a	2	0.0	Downey and Turnbull (2006), pg. 87.
	b	4	0.0	Downey and Turnbull (2006), pg. 88.
	c	1	0.0	Downey and Turnbull (2006), pg. 87.
	total	7		
Q3	score	4		
Q4	score	1	0.0	Downey and Turnbull (2006), pg. 87.
Control costs score		8		
Persistence				
Q1	score	1	0.0	Downey and Turnbull (2006), pg. 87.
Q2	score	0	0.0	Surmised from Downey and Turnbull (2006), pg. 85.
Q3	score	0	0.0	Surmised from Downey and Turnbull (2006), pg. 85.
Q4	a	1	0.0	Downey and Turnbull (2006), pg. 87.
	b	0	0.0	Downey and Turnbull (2006), pg. 87.
	total	1		
Q4	score	1	0.0	
Persistence score		2		
Current Distribution				
Q1	score	0.1	0.0	Downey and Turnbull (2006), pg. 83.
Q2	score	0	0.0	Downey and Turnbull (2006), pg. 83, restricted distribution.
Current Distribution score		0.1		
Comparative Feasibility of Coordinated Control and Uncertainty scores				
Corrected Control costs		6.7		
Corrected Persistence		1.8		
Corrected Current distribution		0.1		
Comparative Feasibility of Coordinated Control		1		
		Very high		
Uncertainty Control costs		0.0		
Uncertainty Persistence		0.0		
Uncertainty Current distribution		0.0		
Overall Uncertainty score		4		
Positive impacts		Previously commonly planted in gardens and still present although no longer for sale.		
Other comments		Infestations in coastal NSW and Qld.		

Determining priorities

Weed risk is MEDIUM

Feasibility of Coordinated control is VERY HIGH

On the Management action matrix the weed falls into 'Contain spread' on the mid right of the matrix

Suggested Management actions of 'Contain spread'

Aims to prevent the ongoing spread of the weed species in the geographic area being considered

- Surveillance and mapping to locate all infested properties.
- Control of all infestations, aiming for a significant reduction in weed density.
- Prevention of entry to geographic area, and movement and sale within.
- Must not allow to spread from cultivated plants (if grown).
- Monitor change in current distribution.

Reference Downey, P. O. and Turnbull, I. (2007). The biology of Australian weeds. 48. *Macfadyena unguis-cati* (L.) A.H. Gentry. *Plant Protection Quarterly*, 22, 82-91.