

NSW Weed Risk Management assessment: *Lantana montevidensis*

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

		<i>Lantana</i>		
		<i>montevidensis</i>		
		Creeping lantana		
		Verbenaceae		
	Area considered:	North Coast		
	Landuse:	Grazing modified pastures (dryland agriculture)		
	Density:	Low density in landuse		
		Standard management is limited. Pasture management for competitive pastures and varying stocking rates most common. Fertiliser application is relatively common (e.g. superphosphate). Herbicide application is sometimes used. Cultivation and resowing of some areas occurs.		
Invasiveness			Do not know	
Q1	score	2	0.0	Johnson (2008) pg. 26.
Q2	score	3	0.0	Johnson (2008) pg. 32.
Q3	a	1	0.0	Johnson (2008) pg. 17.
	b	2	0.0	Johnson (2008) pg. 19.
	c	1	0.0	Johnson (2008) pg. 20.
	total	4		
Q3	score	2		
Q4	a	2	0.0	Johnson (2008) pg. 20.
	b	2	0.0	Johnson (2008) pg. 20.
	c	2	0.0	Johnson (2008) pg. 20.
	d	0	0.0	No mention in references examined.
	total	6		
Q4	score	3		
Q5	a	0	0.0	Sale has ceased.
	b	1	0.0	Johnson (2008) pg. 20.
	c	0	0.0	Johnson (2008) pg. 20.
	d	1	0.0	Johnson (2008) pg. 20.
	total	2		
Q5	score	1		
Invasiveness score		11		
Impacts				
Q1	score	1.5	1.5	No mention in references examined.
Q2	score	2	2.0	No mention in references examined.
Q3	score	0	0.0	Uncommon in NSW but note Qld situation in Johnson (2008) pg. 24.

Lantana montevidensis (cont.)

Q4	score	1	0.0	pers. obs.
Q5	score	0	0.0	Uncommon in NSW but note Johnson (2008) pg. 26
Q6	a	0	0.0	No mention in references examined.
	b	0	0.0	No mention in references examined.
	c	0	0.0	No mention in references examined.
	d	0	0.0	No mention in references examined.
	e	-1	0.0	Johnson (2008) pg. 29.
	f	0	0.0	No mention in references examined.
	total	-1		
Q6	score	0		
Impacts score		4.5		
Potential distribution				
	score	1	0.0	Johnson (2008) pg. 24 and estimate.
Comparative weed risk and Uncertainty scores				
Corrected Invasiveness		7.3		
Corrected Impacts		2.4		
Corrected Potential distribution		1.0		
Comparative Weed Risk		17		
		Low		
Uncertainty Invasiveness		0.0		
Uncertainty Impacts		31.8		
Uncertainty Potential Distribution		0.0		
Control costs				
Q1	a	1	0.0	pers. obs.
	b	0	0.0	Johnson (2008) pg. 19 - perennial and flower/set fruit year round.
	c	2	0.0	Johnson (2008) pg. 7.
	d	1	0.0	Amongst grasses.
	total	4		
Q1	score	2		
Q2	score	1	0.0	pers. obs.
Q3	a	1	0.0	Estimate.
	b	1	0.0	Estimate.
	c	1	0.0	Estimate.

Lantana montevidensis (cont.)

	<i>total</i>	3		
Q3	score	2		
Q4	score	1	0.0	pers. obs.
Control costs score		6		
Persistence				
Q1	score	2	0.0	Johnson (2008) pg. 32-36.
Q2	score	1	0.0	Johnson (2008) pg. 17 Plants do not flower in first season.
Q3	score	1	0.0	Johnson (2008) pg. 18.
Q4	<i>a</i>	2	0.0	Johnson (2008) pg. 19-20.
	<i>b</i>	0	0.0	Johnson (2008) pg. 19-20.
	<i>total</i>	2		
Q4	score	2	0.0	
Persistence score		6		
Current Distribution				
Q1	score	0.1	0.0	pers. obs.
Q2	score	0	0.0	pers. obs.
Current Distribution score		0.1		
Comparative Feasibility of Coordinated Control and Uncertainty scores				
Corrected Control costs		5.0		
Corrected Persistence		5.5		
Corrected Current distribution		0.1		
Comparative Feasibility of Coordinated Control		2		
		Very high		
Uncertainty Control costs		0.0		
Uncertainty Persistence		0.0		
Uncertainty Current distribution		0.0		
Overall Uncertainty score		5		
Positive impacts		Johnson (2008) pg 29-31 incl. ornamental and erosion.		
Other comments		None		

Lantana montevidensis (cont.)

Determining priorities

Weed risk is LOW

Feasibility of Coordinated control is VERY HIGH

On the Management action matrix the weed falls into the 'Monitor' and 'Protect Priority sites' in the upper right of the matrix

Suggested Management actions of 'Monitor' and 'Protect Priority sites'

Aims to detect any significant changes in the species' weed risk

Monitor the spread of the species and review any perceived changes in weediness.

Aims to prevent the spread of the weed species to key sites/assets of high economic, environmental and/or social value

Weed may be of limited current distribution but only threatens limited industries/habitats (lower weed risk), or the weed may be more widespread but is yet to invade/impact upon many key industries/habitats (higher weed risk).

Surveillance and mapping to locate all infested areas.

Identification of key sites/assets in the geographic area.

Control of infestations in close proximity to key sites/assets, aiming for a significant reduction in weed density.

Limits on movement and sale of species within geographic area.

Must not allow to spread from cultivated plants (if grown) in close proximity to key sites/assets.

Monitor change in current distribution within and in close proximity to key site/assets.

References

Johnson, S. B. (2008). Review of the declaration of *Lantana* species in New South Wales. New South Wales Department of Primary Industries, Orange. 63 pp.