

NSW Weed Risk Management assessment: *Lantana camara*

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		<i>Lantana camara</i>		
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		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	1	0.0	Johnson (2008) pg. 26 and 25 - implied.
Q2	score	3	0.0	pers. obs.
Q3	a	1	0.0	Johnson (2008) pg. 17.
	b	2	0.0	Johnson (2008) pg. 18.
	c	1	0.0	Johnson (2008) pg. 18, 20.
	total	4		
Q3	score	2		
Q4	a	2	0.0	Johnson (2008) pg. 19.
	b	2	0.0	Johnson (2008) pg. 19.
	c	1	0.0	Johnson (2008) pg. 20.
	d	0	0.0	pers. obs.
	total	5		
Q4	score	2		
Q5	a	0	0.0	Sale has ceased.
	b	1	0.0	Johnson (2008) pg. 20.
	c	0	0.0	pers. obs.
	d	2	0.0	Johnson (2008) pg. 19.
	total	3		
Q5	score	2		
Invasiveness score		10		
Impacts				

Lantana camara (cont.)

Q1	score	1	0.0	Johnson (2008) pg. 25 low density.
Q2	score	1	0.0	Johnson (2008) pg. 25 low density.
Q3	score	0	0.0	Johnson (2008) pg. 25.
Q4	score	2	0.0	pers. obs.
Q5	score	2	0.0	Johnson (2008) pg. 25 Pink lantana is common and poisonings of existing (not new) cattle are not common.
Q6	a	-1	0.0	Johnson (2008) pg. 29.
	b	1	0.0	Johnson (2008) pg. 27 implied from.
	c	-1	0.0	Johnson (2008) pg. 29.
	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	-2		
Q6	score	0		
Impacts score		6		
Potential distribution				
	score	4	0.0	Johnson (2008) pg. 23 and estimate.
Comparative weed risk and Uncertainty scores				
Corrected Invasiveness		6.7		
Corrected Impacts		3.2		
Corrected Potential distribution		4.0		
Comparative Weed Risk		84		
		Medium		
Uncertainty Invasiveness		0.0		
Uncertainty Impacts		0.0		
Uncertainty Potential Distribution		0.0		
Control costs				
Q1	a	0	0.0	pers. obs.
	b	0	0.0	Johnson (2008) pg. 19 perennial and flower/set fruit year round.
	c	1	0.0	Johnson (2008) pg. 5.

Lantana camara (cont.)

	<i>d</i>	0	0.0	pers. obs. Grasses and herbs.
	<i>total</i>	1		
Q1	score	1		
Q2	score	1	0.0	pers. obs.
Q3	<i>a</i>	1	0.0	Estimate.
	<i>b</i>	1	0.0	Estimate.
	<i>c</i>	1	0.0	Estimate.
	<i>total</i>	3		
Q3	score	2		
Q4	score	1	0.0	pers. obs.
Control costs score		5		
Persistence				
Q1	score	1	0.0	Johnson (2008) pg. 32-36 Herbicides 95%+ effective.
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		5		
Current Distribution				
Q1	score	2	0.0	Estimate.
Q2	score	2	0.0	pers. obs.
Current Distribution score		4		
Comparative Feasibility of Coordinated Control and Uncertainty scores				
Corrected Control costs		4.2		
Corrected Persistence		4.5		
Corrected Current distribution		3.3		

Lantana camara (cont.)

Comparative Feasibility of Coordinated Control	63		
	Low		
Uncertainty Control costs	0.0		
Uncertainty Persistence	0.0		
Uncertainty Current distribution	0.0		
Overall Uncertainty score	0		
Positive impacts	Johnson (2008) pg 29-31 incl. ornamental, oils, habitat, erosion, nutrients and interim buffers.		
Other comments	None		

Determining priorities

Weed risk is MEDIUM

Feasibility of Coordinated control is LOW

On the Management action matrix the weed falls into the 'Manage sites' area in the middle left of the matrix

Suggested Management actions of 'Manage sites'

Aims to maintain overall economic, environmental and/or social value of key sites/assets through improved general weed management

Promote general IWM principles to landholders, including range of control techniques, maintaining competitive pastures, hygiene and property management plans.

Identify key sites/assets in the area and ensure adequate resourcing to manage these to maintain their value.

Broaden focus beyond weeds to all threatening processes.

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.