

NSW Weed Risk Management assessment: *Phyla canescens*

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		<i>Phyla</i>		
		<i>canescens</i>		
		Lippia		
		Verbenaceae		
	Area considered:	Western NSW (North West Slopes, Central West Slopes, South West Slopes, North West Plains, South West Plains, North Far West Plains, South Far West Plains)		
	Land use:	Grazing modified pastures (dryland agriculture)		
	Density:	High density in landuse		
		Standard management is limited. Pasture management for competitive pastures and varying stocking rates most common. Fire is used in some instances. Fertiliser application is relatively uncommon. Very little use of broadscale herbicide application due to expense. Cultivation and resowing of some areas occurs.		
	Invasiveness		Do not know	
Q1	score	1	0.0	P. Welchman pers. obs.
Q2	score	3	0.0	Pers. obs.
Q3	a	2	0.0	Leigh and Walton (2004).
	b	1	0.0	Leigh and Walton (2004).
	c	2	0.0	Leigh and Walton (2004).
	<i>total</i>	5		
Q3	score	3		
Q4	a	0	0.0	Leigh and Walton (2004).
	b	0	0.0	Leigh and Walton (2004).
	c	2	0.0	Leigh and Walton (2004).
	d	0	0.0	Leigh and Walton (2004).
	<i>total</i>	2		
Q4	score	1		
Q5	a	1	0.0	Leigh and Walton (2004).
	b	1	0.0	Leigh and Walton (2004).
	c	1	0.0	Leigh and Walton (2004).
	d	1	0.0	Leigh and Walton (2004).
	<i>total</i>	4		
Q5	score	2		
	Invasiveness score	10		

Phyla canescens (cont.)

Impacts				
Q1	score	3	0.0	Leigh and Walton (2004).
Q2	score	4	0.0	Leigh and Walton (2004).
Q3	score	2	0.0	Leigh and Walton (2004).
Q4	score	0	0.0	Leigh and Walton (2004).
Q5	score	1	0.0	Leigh and Walton (2004).
Q6	<i>a</i>	0	0.0	Leigh and Walton (2004).
	<i>b</i>	0	0.0	Leigh and Walton (2004).
	<i>c</i>	0.5	0.5	'Do not know'
	<i>d</i>	0.5	0.5	'Do not know'
	<i>e</i>	1	0.0	Leigh and Walton (2004).
	<i>f</i>	1	0.0	Leigh and Walton (2004).
	<i>total</i>	3		
Q6	score	2		
Impacts score		12		
Potential distribution				
	score	10	0.0	Estimate.
Comparative weed risk and Uncertainty scores				
Corrected Invasiveness		6.7		
Corrected Impacts		6.3		
Corrected Potential distribution		10.0		
Comparative Weed Risk		421		
		<i>Very high</i>		
Uncertainty Invasiveness		0.0		
Uncertainty Impacts		9.1		
Uncertainty Potential Distribution		0.0		
Control costs				

Phyla canescens (cont.)

Q1	<i>a</i>	0	0.0	Leigh and Walton (2004).
	<i>b</i>	0	0.0	Leigh and Walton (2004).
	<i>c</i>	2	0.0	Leigh and Walton (2004).
	<i>d</i>	2	0.0	Leigh and Walton (2004).
	<i>total</i>	4		
Q1	score	2		
Q2	score	0	0.0	Leigh and Walton (2004).
Q3	<i>a</i>	1	0.0	Leigh and Walton (2004).
	<i>b</i>	2	0.0	Leigh and Walton (2004).
	<i>c</i>	1	0.0	Leigh and Walton (2004).
	<i>total</i>	4		
Q3	score	2		
Q4	score	3	0.0	Leigh and Walton (2004).
Control costs score		7		
Persistence				
Q1	score	3	0.0	Leigh and Walton (2004).
Q2	score	3	0.0	Leigh and Walton (2004).
Q3	score	1	1.0	L. Tanner pers. comm.
Q4	<i>a</i>	2	0.0	Leigh and Walton (2004).
	<i>b</i>	1	0.0	Leigh and Walton (2004).
	<i>total</i>	3		
Q4	score	2	0.0	
Persistence score		9		
Current Distribution				
Q1	score	8	0.0	Estimate.
Q2	score	2	0.0	Pers. obs.
Current Distribution score		10		
Comparative Feasibility of Coordinated Control and Uncertainty scores				

Phyla canescens (cont.)

Corrected Control costs	5.8		
Corrected Persistence	8.2		
Corrected Current distribution	8.3		
Comparative Feasibility of Coordinated Control	398		
	Negligible		
Uncertainty Control costs	0.0		
Uncertainty Persistence	16.7		
Uncertainty Current distribution	0.0		
Overall Uncertainty score	4		
Positive impacts	Supposedly Reduced fire risk - Forestry, Broad leaf lawn - NGIA, Honey Production - Apiarists and Grazing value- NSW Farmers		
Comments	None		

Determining priorities

Weed risk is VERY HIGH

Feasibility of Coordinated control is NEGLIGIBLE

On the Management action matrix the weed falls into 'Manage weed' on the lower left of the matrix

Suggested Management actions of 'Manage weeds'

Aims to reduce the overall economic, environmental and/or social impacts of the weed species through targeted management

Research and develop Integrated Weed Management (IWM) packages for the species, including herbicides and biological control where feasible.

Promote IWM packages to landholders.

Monitor decrease in weed impacts with improved management.

Identify key sites/assets in the geographic area and ensure adequate resourcing to manage the weed species.

Reference

Leigh, C. and Walton, C. S. (2004). *Lippia (Phyla canescens)* in Queensland. Queensland Department of Natural Resources and Mines, Brisbane. 34 pp.