

NSW Weed Risk Management assessment: *Ulex europaeus*

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		<i>Ulex</i>		
		<i>europaeus</i>		
		Gorse/Furze		
		Fabaceae		
	Area considered	Blue Mountains		
	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	1	0.0	Richardsdon and Hill (1998), pg. 276 and 279.
Q2	score	3	0.0	Virtue (2004) Native landuse WRM assessment
Q3	a	1	0.0	Virtue (2004) Native landuse WRM assessment
	b	2	0.0	Richardsdon and Hill (1998), pg. 275.
	c	0	0.0	Richardsdon and Hill (1998), pg. 276.
	total	3		
Q3	score	2		
Q4	a	1	0.0	Richardsdon and Hill (1998), pg. 275.
	b	1	0.0	Richardsdon and Hill (1998), pg. 275.
	c	1	0.0	Richardsdon and Hill (1998), pg. 275.
	d	1	0.0	Richardsdon and Hill (1998), pg. 275.
	total	4		
Q4	score	2		
Q5	a	0	0.0	Richardsdon and Hill (1998), pg. 275.
	b	1	0.0	Richardsdon and Hill (1998), pg. 275.
	c	0	0.0	Richardsdon and Hill (1998), pg. 275.
	d	0	0.0	Richardsdon and Hill (1998), pg. 275.
	total	1		
Q5	score	1		
Invasiveness score		9		
Impacts				
Q1	score	3	0.0	Richardsdon and Hill (1998), pg. 272 and 279.
Q2	score	4	0.0	Richardsdon and Hill (1998), pg. 279.
Q3	score	2	0.0	Virtue (2004) Native landuse WRM assessment
Q4	score	3	0.0	S. Johnson pers. comm.
Q5	score	0	0.0	Virtue (2004) Native landuse WRM assessment
Q6	a	1	0.0	Virtue (2004) Native landuse WRM assessment
	b	1	0.0	Virtue (2004) Native landuse WRM assessment
	c	1	0.0	Richardsdon and Hill (1998), pg. 277.
	d	0	0.0	Richardsdon and Hill (1998), no mention
	e	0	0.0	Richardsdon and Hill (1998), no mention
	f	0	0.0	Richardsdon and Hill (1998), no mention
	total	3		

Ulex europaeus (cont.)

Q6	score	2		
Impacts score		14		
Potential distribution				
	score	4	0.0	Estimate of 20-40%
Comparative weed risk and Uncertainty scores				
Corrected Invasiveness		6.0		
Corrected Impacts		7.4		
Corrected Potential distribution		4.0		
Comparative Weed Risk		177		
		High		
Uncertainty Invasiveness		0.0		
Uncertainty Impacts		0.0		
Uncertainty Invasiveness		Potential Distribution	0.0	
Control costs				
Q1	a	1	0.0	S. Johnson pers. comm.
	b	1	0.0	Richardsdon and Hill (1998), pg. 273.
	c	1	0.0	S. Johnson pers. comm. and Richardsdon and Hill (1998), pg. 269.
	d	2	0.0	Virtue (2004) Native landuse WRM assessment
	total	5		
Q1	score	2		
Q2	score	1	0.0	S. Johnson pers. comm.
Q3	a	3	0.0	Gouldthorpe (2006).
	b	4	0.0	Gouldthorpe (2006).
	c	1	0.0	S. Johnson pers. comm. physical and herbicide control of individual plants.
	total	8		
Q3	score	4		
Q4	score	1	0.0	S. Johnson pers. comm.
Control costs score		8		
Persistence				
Q1	score	1.5	1.5	Do not know.
Q2	score	1	0.0	Gouldthorpe (2006).
Q3	score	2	0.0	Richardsdon and Hill (1998), pg. 275.
Q4	a	0	0.0	Richardsdon and Hill (1998), pg. 275.
	b	1	0.0	Richardsdon and Hill (1998), pg. 275.
	total	1		
Q4	score	1	0.0	

Ulex europaeus (cont.)

Persistence score		5.5		
Current Distribution				
Q1	score	0.1	0.0	Gouldthorpe (2006)
Q2	score	0	0.0	Gouldthorpe (2006) restricted distribution.
Current Distribution score		0.1		
Comparative Feasibility of Coordinated Control and Uncertainty scores				
Corrected Control costs		6.7		
Corrected Persistence		5.0		
Corrected Current distribution		0.1		
Comparative Feasibility of Coordinated Control		3		
		Very high		
Uncertainty Control costs		0.0		
Uncertainty Persistence		25.0		
Uncertainty Current distribution		0.0		
Overall Uncertainty score		4		
Positive impacts		Previously commonly planted as a hedge plant in pasture situations.		
Other comments		Soil acidity in upper layers of soil Richardson and Hill (1998), pg. 279.		

Determining priorities

Weed risk is High

Feasibility of Coordinated control is Very high

On the Management action matrix the weed falls into 'Destroy infestations' on the lower right of the matrix

Suggested Management actions of 'Destroy infestations'

Aims to significantly reduce the extent of the weed species in the geographic area being considered

- Detailed surveillance and mapping to locate all infestations.
- Destruction of all infestations, aiming at local eradication where feasible.
- Prevention of entry to geographic area, and movement and sale within.
- Must not grow.
- Monitor progress towards reduction.

References

Richardson, R. G. and Hill, R. L. (1998). *Ulex europaeus*. In *Biology of Australian Weeds*, Volume 2. Editors F. D. Panetta, R. H. Groves and R. C. H. Shepherd. R. G. and F. J. Richardson, Melbourne. pp. 269-290.

Virtue, J. (2004). 'Native landuse' sheet. Weed Risk Assessment Microsoft Excel spreadsheet. Online at http://www.dwlbc.sa.gov.au/assets/files/wra_2004.xls Access date 27 June 2008.

Gouldthorpe, J. (2006). *Gorse National Best Management Manual*. Tasmanian Department of Primary Industries and Water. New Town, Tasmania. pg. 12, 14 and 48.