

Weed (Scientific name)	Pueraria montana var. lobata - Fabaceae		
Region	South West Sydney		
Management Area	Wollondilly Shire LGA		
Landuse	1. CONSERVATION AND NATURAL ENVIRONMENTS		
Assumptions			
<i>Invasiveness</i>	Score	Total	
Q1. What is the ability of the weed to establish amongst existing plants?		2.0	Seedlings establish within open vegetation or weeds Q1
Q2. What is the weed's tolerance to average weed management practices in the land use?		2.0	Between 50 and 95% of weeds survive Q2
Q3. What is the reproductive ability of the weed in the land use?		2.0	
(a) Time to seeding	0.0		>3 yrs/never Q3
(b) Annual seed production	2.0		High
(c) Vegetative reproduction	2.0		Frequent
Q4. How likely is long-distance dispersal (>100m) by natural means?		1.0	
(a) Flying animals	0.0		Unlikely Q4
(b) Other wild animals	1.0		Occasional
(c) Water	0.0		Unlikely
(d) Wind	0.0		Unlikely
Q5. How likely is long-distance dispersal (>100 m) by human means?		3.0	
(a) Deliberate spread by people	2.0		Common Q5
(b) Accidentally by people and vehicles	1.0		Occasional
(c) Contaminated produce	2.0		Common
(d) Domestic/farm animals	1.0		Occasional
Total		6.7	

Impacts	Score	Total	
Q1. Does the weed reduce the establishment of desired plants?		3.0	> 50% reduction Q1
Q2. Does the weed reduce the yield or amount of desired vegetation?		4.0	> 50% reduction Q2
Q3. Does the weed reduce the quality of products, diversity or services available from the land use?		3.0	High Q3
Q4. What is the weed's potential to restrict the physical movement of people, animals, vehicles, machinery and/or water?		3.0	High Q4
Q5. What is the weed's potential to negatively affect the health of animals and/or people?		1.0	Low Q5
Q6. Does the weed have major positive or negative effects on environmental health?		2.0	Q6
(a) food/shelter	1.0		Major negative effect
(b) fire regime	?		Do not know
(c) altered nutrient levels	1.0		Major negative effect
(d) soil salinity	?		Do not know
(e) soil stability	-1.0		Major positive effect
(f) soil water table	?		Do not know
Total		8.4	
Potential Distribution			
Q1. Within the geographic area being considered, what is the percentage area of land use that is suitable for the weed?		2.0	10-20% of land use Q1
Comparative weed risk score		112	
Weed risk category		High	

Control Costs		Score	Total	
Q1. How detectable is the weed?			2	Q1
(a) Distinguishing features	1			
(b) Period of year shoot growth visible	1			
(c) Height at maturity	0			
(d) Pre-reproductive height in relation to other vegetation	2			
Q2. What is the general accessibility of known infestations at the optimum time of treatment?			1	Q2
Q3. How expensive is management of the weed in the first year of targeted control?			4	Q3
(a) Chemical costs/ha	3			
(b) Labour costs/ha	2			
(c) Equipment costs	2			
Q4. What is the likely level of participation from landholders/volunteers within the land use at risk?			1.0	Q4
Total			6.7	
Persistence		Score	Total	
Q1. How effective are targeted management treatments applied to infestations of the weed?			?	Q1
Q2. What is the minimum time period for reproduction of sexual or vegetative propagules?			?	Q2
Q3. What is the maximum longevity of sexual or vegetative propagules?			2	Q3
Q4. How likely are new propagules to continue to arrive at control sites, or to start new infestations?			3.0	Q4
(a) Long-distance (>100m) dispersal by natural means	2			
(b) Long-distance (>100m) dispersal by human means	2			
Total			7.3	
Current distribution				
Q1. What percentage area of the land use in the geographical area is currently infested by the weed?			0.0	Q1
Q2. What is the number of infestations, and weed distribution within the geographic area being considered?			0.0	Q2
Total			0.0	
Comparative feasibility of coordinated control score			0	
Feasibility of coordinated control category			Very High	

<p style="text-align: center;">Management priority category</p> <p style="text-align: center;">Calculation of overall uncertainty score</p> <p style="text-align: center;">Response</p>	<p>Destroy infestations</p> <p>11%</p> <p>Submit Assessment</p>
<p style="text-align: center;">Positive Impacts</p>	
<p>References/Other comments</p>	

Source and comments

http://www.dpi.qld.gov.au/documents/Biosecurity_EnvironmentalPests/IPA-Kudzu-Risk-Assessment.pdf

http://www.dpi.qld.gov.au/documents/Biosecurity_EnvironmentalPests/IPA-Kudzu-Risk-Assessment.pdf

http://www.dpi.qld.gov.au/documents/Biosecurity_EnvironmentalPests/IPA-Kudzu-Risk-Assessment.pdf

http://www.dpi.qld.gov.au/documents/Biosecurity_EnvironmentalPests/IPA-Kudzu-Risk-Assessment.pdf

http://www.dpi.qld.gov.au/4790_8709.htm

http://www.dpi.qld.gov.au/4790_8709.htm

http://www.dpi.qld.gov.au/4790_8709.htm

http://www.dpi.qld.gov.au/4790_8709.htm

Nitrogen fixer. Tubers can reach depth of 5m.

http://www.dpi.qld.gov.au/documents/Biosecurity_EnvironmentalPests/IPA-Kudzu-Risk-Assessment.pdf Has been used for erosion control. <http://en.wikipedia.org/wiki/Kudzu>

Leaves dropped in winter. http://www.dpi.qld.gov.au/4790_8709.htm

Seed viability extremely low.
http://www.dpi.qld.gov.au/documents/Biosecurity_EnvironmentalPests/IPA-Kudzu-Risk-Assessment.pdf Seeds may not germinate

http://www.dpi.qld.gov.au/documents/Biosecurity_EnvironmentalPests/IPA-Kudzu-Risk-Assessment.pdf
