

Australia/New Zealand Weed Risk Assessment adapted for Florida.

Data used for analysis published in: Gordon, D.R., D.A. Onderdonk, A.M. Fox, R.K. Stocker, and C. Gantz. 2008. Predicting Invasive Plants in Florida using the Australian Weed Risk Assessment. Invasive Plant Science and Management 1: 178-195.

<i>Serissa foetida (snow rose)</i>			
Question number	Question	Answer	Score
1.01	Is the species highly domesticated?	?	
1.02	Has the species become naturalised where grown?		
1.03	Does the species have weedy races?		
2.01	Species suited to Florida's USDA climate zones (0-low; 1-intermediate; 2-high)	2	
2.02	Quality of climate match data (0-low; 1-intermediate; 2-high)	2	
2.03	Broad climate suitability (environmental versatility)	n	0
2.04	Native or naturalized in habitats with periodic inundation		
2.05	Does the species have a history of repeated introductions outside its natural range?	y	
3.01	Naturalized beyond native range	n	-2
3.02	Garden/amenity/disturbance weed	n	0
3.03	Weed of agriculture	n	0
3.04	Environmental weed	n	0
3.05	Congeneric weed	n	0
4.01	Produces spines, thorns or burrs	n	0
4.02	Allelopathic	n	0
4.03	Parasitic	n	0
4.04	Unpalatable to grazing animals		
4.05	Toxic to animals	n	0
4.06	Host for recognised pests and pathogens		
4.07	Causes allergies or is otherwise toxic to humans	n	0
4.08	Creates a fire hazard in natural ecosystems	n	0
4.09	Is a shade tolerant plant at some stage of its life cycle	?	
4.1	Grows on infertile soils (oligotrophic, limerock, or excessively draining soils)	n	0
4.11	Climbing or smothering growth habit	n	0
4.12	Forms dense thickets	n	0
5.01	Aquatic	n	0

5.02	Grass	n	0
5.03	Nitrogen fixing woody plant	n	0
5.04	Geophyte		
6.01	Evidence of substantial reproductive failure in native habitat		
6.02	Produces viable seed	?	
6.03	Hybridizes naturally		
6.04	Self-compatible or apomictic		
6.05	Requires specialist pollinators		
6.06	Reproduction by vegetative fragmentation		
6.07	Minimum generative time (years)		
7.01	Propagules likely to be dispersed unintentionally (plants growing in heavily trafficked areas)		
7.02	Propagules dispersed intentionally by people	y	1
7.03	Propagules likely to disperse as a produce contaminant	n	-1
7.04	Propagules adapted to wind dispersal	n	-1
7.05	Propagules water dispersed	n	-1
7.06	Propagules bird dispersed	y	1
7.07	Propagules dispersed by other animals (externally)	n	-1
7.08	Propagules dispersed by other animals (internally)	y	1
8.01	Prolific seed production	n	-1
8.02	Evidence that a persistent propagule bank is formed (>1 yr)		
8.03	Well controlled by herbicides		
8.04	Tolerates, or benefits from, mutilation or cultivation		
8.05	Effective natural enemies present in Florida, or east of the continental divide		
Total Score			-4

Outcome	Accept*
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*Used secondary screen from: Daehler, C. C., J.L. Denslow, S. Ansari, and H. Kuo. 2004. A risk assessment system for screening out harmful invasive pest plants from Hawaii's and other Pacific islands. *Conserv. Biol.* 18: 360-368.

section	# questions answered	satisfy minimum?
A	6	yes
B	9	yes
C	11	yes
total	26	yes

Data collected 2006-2007

Question number	Reference	Source data
1.01		used horticulturally - no mention of reproduction by seed in cultivation
1.02		
1.03		
2.01		
2.02		
2.03	Puff and Chamchumroon (2003) Non-indigenous Rubiaceae grown in Thailand. Thai Forest Bulletin (Botany) 31: 75-94.	native to southeastern China [and no evidence of naturalization elsewhere]
2.04		
2.05	Huxley (1992) The New Royal Horticultural Society Dictionary of Gardening. The MacMillan Press, London.	used horticulturally - " <i>S. japonica</i> [synonym] is a much-branched shrub grown for its tubular white flowers carried in profusion from spring to autumn amongst the small lustrous evergreen leaves"
3.01		no evidence
3.02		no evidence
3.03		no evidence
3.04		no evidence
3.05	Huxley (1992) The New Royal Horticultural Society Dictionary of Gardening. The MacMillan Press, London.	genus is monotypic
4.01	Huxley (1992) The New Royal Horticultural Society Dictionary of Gardening. The MacMillan Press, London.	no description of these traits
4.02		no evidence
4.03	Huxley (1992) The New Royal Horticultural Society Dictionary of Gardening. The MacMillan Press, London.	no description of this
4.04		
4.05	Crescent Bloom (http://www.crescentbloom.com/Plants/Specimen/SE/Serissa%20foetida.htm).	livestock poison: no
4.06		
4.07		no mention of toxicity in horticultural or toxicity references

4.08		no evidence
4.09	1. Watkins, Sheehan, and Black (2005) Florida Landscape Plants: Native and Exotic. University Press of Florida. 2. Hortocopia 4.0	1. partial shade 2. partial shade or partial sun to full sun
4.1	Watkins, Sheehan, and Black (2005) Florida Landscape Plants: Native and Exotic. University Press of Florida.	"A fertile, moisture-retentive soil is recommended...Plant in fertile soil"
4.11	USDA, NRCS. 2005. The PLANTS Database, Version 3.5 (http://plants.usda.gov). Data compiled from various sources by Mark W. Skinner. National Plant Data Center, Baton Rouge, LA 70874-4490 USA.	growth habit: shrub
4.12		no evidence
5.01		terrestrial
5.02	USDA, NRCS. 2005. The PLANTS Database, Version 3.5 (http://plants.usda.gov). Data compiled from various sources by Mark W. Skinner. National Plant Data Center, Baton Rouge, LA 70874-4490 USA.	Rubiaceae
5.03	USDA, NRCS. 2005. The PLANTS Database, Version 3.5 (http://plants.usda.gov). Data compiled from various sources by Mark W. Skinner. National Plant Data Center, Baton Rouge, LA 70874-4490 USA.	Rubiaceae
5.04		
6.01		
6.02		no mention of reproduction by seed in cultivation
6.03		
6.04		
6.05		
6.06		
6.07	1. Puff and Chamchumroon (2003) Non-indigenous Rubiaceae grown in Thailand. Thai Forest Bulletin (Botany) 31: 75-94. 2. Hortocopia 4.0	1. fast-growing 2. slow growth rate
7.01		
7.02	Huxley (1992) The New Royal Horticultural Society Dictionary of Gardening. The MacMillan Press, London.	used horticulturally - " <i>S. japonica</i> [synonym] is a much-branched shrub grown for its tubular white flowers carried in profusion from spring to autumn amongst the small lustrous evergreen leaves"
7.03		no evidence
7.04	Huxley (1992) The New Royal Horticultural Society Dictionary of Gardening. The MacMillan Press, London.	fruit a berry, 2-seeded, succulent
7.05		no evidence
7.06		fleshy fruit
7.07		no evidence of any means of attachment
7.08		fleshy fruit
8.01	1. Huxley (1992) The New Royal Horticultural Society Dictionary of Gardening. The MacMillan Press, London.	unlikely - 2 seeds per fruit (1), and no mention of reproduction by seed in cultivation
8.02		
8.03		

8.04		
8.05		