

Australia/New Zealand Weed Risk Assessment adapted for United States.

Data used for analysis published in: Gordon, D.R. and C.A. Gantz. 2008. Potential impacts on the horticultural industry of screening new plants for invasiveness. Conservation Letters 1: 227-235. Available at: <http://www3.interscience.wiley.com/cgi-bin/fulltext/121448369/PDFSTART>

<i>Disporopsis jinfushanensis</i>			
Question number	Question	Answer	Score
1.01	Is the species highly domesticated?	n	0
1.02	Has the species become naturalised where grown?		
1.03	Does the species have weedy races?		
2.01	Species suited to U.S. climates (USDA hardiness 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 regions with an average of 11-60 inches of annual precipitation	y	1
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		
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		
4.09	Is a shade tolerant plant at some stage of its life cycle		
4.1	Grows on one or more of the following soil types: alfisols, entisols, or mollisols	y	1
4.11	Climbing or smothering growth habit	n	0
4.12	Forms dense thickets	?	

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	n	0
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	y	1
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		
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)	?	
8.01	Prolific seed production		
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 U.S.		
<b>Total Score</b>			<b>0</b>

<b>Outcome</b>	<b>Accept</b>
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section	# questions answered	satisfy minimum?
A	11	Yes
B	6	Yes
C	10	Yes
total	27	yes

Data collected 2008

Question number	Reference	Source data
1.01		used horticulturally, but no evidence of significant modification
1.02		
1.03		
2.01	1. PERAL NAPPFAST Global Plant Hardiness ( <a href="http://www.nappfast.org/Plant_hardiness/NAPPFAST%20Global%20zones/10-year%20climate/PLANT_HARDINESS_10YR%20Igcd.tif">http://www.nappfast.org/Plant_hardiness/NAPPFAST%20Global%20zones/10-year%20climate/PLANT_HARDINESS_10YR%20Igcd.tif</a> ). 2. Liu, ZY (1987) <i>Liliaceae</i> in Wu, ZY and Raven, PH (editors), Flora of China, Vol. 24, p. 233. Science Press, Beijing, & Missouri Botanical Garden Press, St. Louis. Accessed online at <a href="http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210">http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210</a> .	1. Global hardiness zones 5-9. 2. SE Sichuan (Nanchuan Xian)
2.02		
2.03	1. Köppen-Geiger climate map ( <a href="http://www.hydrol-earth-syst-sci.net/11/1633/2007/hess-11-1633-2007.pdf">http://www.hydrol-earth-syst-sci.net/11/1633/2007/hess-11-1633-2007.pdf</a> ). 2. Liu, ZY (1987) <i>Liliaceae</i> in Wu, ZY and Raven, PH (editors), Flora of China, Vol. 24, p. 233. Science Press, Beijing, & Missouri Botanical Garden Press, St. Louis. Accessed online at <a href="http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210">http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210</a> .	1. One to possibly two climatic regions. 2. SE Sichuan (Nanchuan Xian)
2.04	Climate Source ( <a href="http://www.climatesource.com/cn/fact_sheets/chinapt_xl.jpg">http://www.climatesource.com/cn/fact_sheets/chinapt_xl.jpg</a> ).	For Sichuan Province, the average annual precipitation is 19.7 in/yr -- 78.7 in/yr.
2.05	<a href="http://www.mon-jardin-ma-passion.be/d.htm">http://www.mon-jardin-ma-passion.be/d.htm</a>	Cultivated in Belgium.
3.01		no evidence
3.02		no evidence
3.03		no evidence
3.04		no evidence
3.05		no evidence
4.01	Liu, ZY (1987) <i>Liliaceae</i> in Wu, ZY and Raven, PH (editors), Flora of China, Vol. 24, p. 233. Science Press, Beijing, & Missouri Botanical Garden Press, St. Louis. Accessed online at <a href="http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210">http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210</a>	no description of these traits

	on_id=240001210.	
4.02		
4.03	Liu, ZY (1987) <i>Liliaceae</i> in Wu, ZY and Raven, PH (editors), Flora of China, Vol. 24, p. 233. Science Press, Beijing, & Missouri Botanical Garden Press, St. Louis. Accessed online at <a href="http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210">http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210</a> .	no description of parasitism
4.04		
4.05	Liu, ZY (1987) <i>Liliaceae</i> in Wu, ZY and Raven, PH (editors), Flora of China, Vol. 24, p. 233. Science Press, Beijing, & Missouri Botanical Garden Press, St. Louis. Accessed online at <a href="http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210">http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210</a> .	no evidence
4.06		
4.07	Liu, ZY (1987) <i>Liliaceae</i> in Wu, ZY and Raven, PH (editors), Flora of China, Vol. 24, p. 233. Science Press, Beijing, & Missouri Botanical Garden Press, St. Louis. Accessed online at <a href="http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210">http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210</a> .	no evidence
4.08		
4.09		
4.1	USDA, National Resources Conservation Services (NRCS), Soil Survey Division, World Soil Resources ( <a href="http://soils.usda.gov/use/worldsoils/mapindex/order.html">http://soils.usda.gov/use/worldsoils/mapindex/order.html</a> ).	Entisols are present in this region.
4.11	Liu, ZY (1987) <i>Liliaceae</i> in Wu, ZY and Raven, PH (editors), Flora of China, Vol. 24, p. 233. Science Press, Beijing, & Missouri Botanical Garden Press, St. Louis. Accessed online at <a href="http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210">http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210</a> .	"Stem erect...6-10 cm."
4.12	Liu, ZY (1987) <i>Liliaceae</i> in Wu, ZY and Raven, PH (editors), Flora of China, Vol. 24, p. 233. Science Press, Beijing, & Missouri Botanical Garden Press, St. Louis. Accessed online at <a href="http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210">http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210</a> .	"Stem erect...6-10 cm."
5.01		terrestrial
5.02		Liliaceae

5.03		Liliaceae
5.04	Liu, ZY (1987) <i>Liliaceae</i> in Wu, ZY and Raven, PH (editors), Flora of China, Vol. 24, p. 233. Science Press, Beijing, & Missouri Botanical Garden Press, St. Louis. Accessed online at <a href="http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210">http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210</a> .	"Rhizome terete, 3-5 mm thick".
6.01		no evidence
6.02		
6.03		
6.04		
6.05		
6.06	Liu, ZY (1987) <i>Liliaceae</i> in Wu, ZY and Raven, PH (editors), Flora of China, Vol. 24, p. 233. Science Press, Beijing, & Missouri Botanical Garden Press, St. Louis. Accessed online at <a href="http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210">http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210</a> .	"Rhizome terete, 3-5 mm thick".
6.07		
7.01		
7.02	<a href="http://www.mon-jardin-ma-passion.be/d.htm">http://www.mon-jardin-ma-passion.be/d.htm</a>	Cultivated in Belgium.
7.03		
7.04	Liu, ZY (1987) <i>Liliaceae</i> in Wu, ZY and Raven, PH (editors), Flora of China, Vol. 24, p. 233. Science Press, Beijing, & Missouri Botanical Garden Press, St. Louis. Accessed online at <a href="http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210">http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210</a> .	"Berries brown-purple at maturity, subglobose, 7-8 mm in diam., 2-4 seeded". [no evidence of adaptations to wind dispersal]
7.05		
7.06	Liu, ZY (1987) <i>Liliaceae</i> in Wu, ZY and Raven, PH (editors), Flora of China, Vol. 24, p. 233. Science Press, Beijing, & Missouri Botanical Garden Press, St. Louis. Accessed online at <a href="http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210">http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210</a> .	"Berries brown-purple at maturity, subglobose, 7-8 mm in diam., 2-4 seeded".
7.07	Liu, ZY (1987) <i>Liliaceae</i> in Wu, ZY and Raven, PH (editors), Flora of China, Vol. 24, p. 233. Science Press, Beijing, & Missouri Botanical Garden Press, St. Louis. Accessed online at <a href="http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210">http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210</a> .	"Berries brown-purple at maturity, subglobose, 7-8 mm in diam., 2-4 seeded". [no evidence of adaptations to external dispersal]
7.08	Liu, ZY (1987) <i>Liliaceae</i> in Wu, ZY and Raven, PH (editors), Flora of China, Vol. 24, p. 233. Science	"Berries brown-purple at maturity, subglobose, 7-8 mm in diam., 2-4

	Press, Beijing, & Missouri Botanical Garden Press, St. Louis. Accessed online at <a href="http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210">http://www.efloras.org/florataxon.aspx?flora_id=2&amp;taxon_id=240001210</a> .	seeded".
8.01		
8.02		
8.03		
8.04		
8.05		