Bambusa balcooa FLORIDA		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 FL 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)	У	1
2.04	Native or naturalized in regions with an average of 11-60 inches of annual precipitation	У	1
2.05	Does the species have a history of repeated introductions outside its natural range?	У	
3.01	Naturalized beyond native range	У	2
3.02	Garden/amenity/disturbance weed	У	2
3.03	Weed of agriculture	n	0
3.04	Environmental weed	n	0
3.05	Congeneric weed	У	2
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		
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	3	
4.10	Grows on infertile soils (oligotrophic, limerock, or excessively draining soils). North &	?	
	Central Zones: infertile soils; South Zone: shallow limerock or Histisols.		
4.11	Climbing or smothering growth habit	n	0
4.12	Forms dense thickets		
5.01	Aquatic	n	0
5.02	Grass	У	1
5.03	Nitrogen fixing woody plant	n	0
5.04	Geophyte	n	0
6.01	Evidence of substantial reproductive failure in native habitat	n	0
6.02	Produces viable seed	n	-1
6.03	Hybridizes naturally		
6.04	Self-compatible or apomictic		
6.05	Requires specialist pollinators		
6.06	Reproduction by vegetative propagation	?	
6.07	Minimum generative time (years)	55	-1
7.01	Propagules likely to be dispersed unintentionally (plants growing in heavily trafficked areas)	n	-1
7.02	Propagules dispersed intentionally by people	у	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	n	-1
7.07	Propagules dispersed by other animals (externally)	n	-1
7.08	Propagules dispersed by other animals (internally)	n	-1

8.01	Prolific seed production	n	-1
8.02	Evidence that a persistent propagule bank is formed (>1 yr)	n	-1
8.03	Well controlled by herbicides		
8.04	Tolerates, or benefits from, mutilation or cultivation		
8.05	Effective natural enemies present in U.S.		
	Total Score		-1
	Implemented Pacific Second Screening		No
	Risk Assessment Results	Lov	v Risk
	Section	Number o	f Satisfy
			minimum?

Section	Number of Satisfy questions minimum? answered
А	11 yes
В	4 yes
С	17 yes
Total	32 yes

	Reference	Source data
1.01	1 Alexa M.K. 1005 Developes belong a Doub Hetomosti Decord	4. Deschare heleges is greatly because from sultimation. It is
1.01	(Plant Resources of South-East Asia) Foundation, Bogor, Indonesia. http://www.proseanet.org. Accessed from Internet: 27 January 2014. 2. Negi, D & S Saxena. 2011. Micropropagation	Bambusa balcooa is mostly known from cultivation. It is thought to originate from northern India and Bangladesh where it is widely cultivated. Occasionally it is cultivated outside this region, e.g. in Java, Australia, and in many botanic gardens. This species has been identified as one of the priority bamboos by the National Bamboo Mission.
1.02		skip to 2.01
1.03		skip to 2.01
2.01	1. PERAL NAPPFAST Global Plant Hardiness (http://www.nappfast.org/Plant_hardiness/NAPPFAST%20Global %20zones/10-year%20climate/PLANT_HARDINESS_10YR%20lgnd.tif). 2. USDA, ARS, National Genetic Resources Program. Germplasm Resources Information Network - (GRIN) [Online Database]. National Germplasm Resources Laboratory, Beltsville, Maryland. http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (22 January 2014). 3. Clayton, W.D., Vorontsova, M.S., Harman, K.T. and Williamson, H. (2006 onwards). GrassBase - The Online World Grass Flora. http://www.kew.org/data/grasses-db.html. [accessed 23 January 2014; 1:47 PM (EST)].	2. Native to Bangladesh; India (Assam, Bihar, West Bengal); Nepal. 3. Distribution: Africa: south; Asia-tropical: India and Indo-
2.02		No computer analysis was performed. Native range is well known; refer to 2.01 source data.
2.03	1. Köppen-Geiger climate map (http://www.hydrol-earth-syst-sci.net/11/1633/2007/hess-11-1633-2007.pdf). 2. Negi, D & S Saxena. 2011. Micropropagation of Bambusa balcooa Roxb. through axillary shoot proliferation. In Vitro Cellular & Developmental Biology - Plant, 47(5): 604-610. 3. Alam, M.K., 1995. Bambusa balcooa Roxb.[Internet] Record from Proseabase. Dransfield, S. & Widjaja, E.A. (Editors). PROSEA (Plant Resources of South-East Asia) Foundation, Bogor, Indonesia. http://www.proseanet.org. Accessed from Internet: 27 January 2014.	Distribution in the native range occurs in at least 3 climatic groups. 2. Distributed in different parts of India up to an altitude of 600 m. 3. Bambusa balcooa is grown at altitudes up to 600 m, in a tropical monsoon climate.
2.04	1. World Climate Maps. http://www.climate-charts.com/World-Climate-Maps.html. Accessed 23 January 2014. 2. Alam, M.K., 1995. Bambusa balcooa Roxb.[Internet] Record from Proseabase. Dransfield, S. & Widjaja, E.A. (Editors). PROSEA (Plant Resources of South-East Asia) Foundation, Bogor, Indonesia. http://www.proseanet.org. Accessed from Internet: 27 January 2014.	1. Native areas: 725 mm-4974+ mm (28.6"-195.9+"). 2. Annual rainfall of 2500—3000 mm and a dry season of up to 6 months.
2.05	1.a-c. Australia's Virtual Herbarium (AVH). http://avh.chah.org.au/. Accessed 30 January 2014. 2. Gillis, K et al. 2007. Somatic embryogenesis from mature Bambusa balcooa Roxburgh as basis for mass production of elite forestry bamboos. Plant Cell, Tissue and Organ Culture, 91(2): 115-123.	1.a. Queensland, AU, McEwens Beach, Mackay: (marine) beach ridges, littoral margin herbland; stoloniferous bamboo, growing in large clumps; occasional. 1.b. Queensland, AU, Central Mackay Coast: (terrestrial) roadside, naturalised; bamboo grass; occasional. 1.c. Queensland, AU, Mazlin Creek, just north of Atherton on the road to Mareeba: (terrestrial) mown grassy area to west of the road; tall, dense clump with canes to 10m tall. 2. Bambusa balcooa is only known in cultivation, but is found throughout the tropics in Asia and Africa.

3.01	1. Australia's Virtual Herbarium (AVH). http://avh.chah.org.au/. Accessed 30 January 2014. 2. Gillis, K et al. 2007. Somatic	1. Queensland, AU, Central Mackay Coast: (terrestrial) roadside, naturalised; bamboo grass; occasional. 2. It is naturalized in
	embryogenesis from mature Bambusa balcooa Roxburgh as basis	=
	for mass production of elite forestry bamboos. Plant Cell, Tissue	(Ohrnberger 1999).
	and Organ Culture, 91(2): 115-123.	
3.02	1.a-c. Australia's Virtual Herbarium (AVH).	1.a. Queensland, AU, McEwens Beach, Mackay: (marine) beach
	http://avh.chah.org.au/. Accessed 30 January 2014. 2. Gillis, K et	• • • • • • • • • • • • • • • • • • • •
	al. 2007. Somatic embryogenesis from mature Bambusa balcooa	in large clumps; occasional. 1.b. Queensland, AU, Central Mackay
	Roxburgh as basis for mass production of elite forestry bamboos.	Coast: (terrestrial) roadside, naturalised; bamboo grass;
	Plant Cell, Tissue and Organ Culture, 91(2): 115-123.	occasional. 1.c. Queensland, AU, Mazlin Creek, just north of
		Atherton on the road to Mareeba: (terrestrial) mown grassy area
		to west of the road; tall, dense clump with canes to 10m tall. 2.
		Bambusa balcooa is only known in cultivation, but is found
		throughout the tropics in Asia and Africa.
3.03		No evidence found.
3.04		No evidence found.
3.05	1. Holm, L. et al. A Geographical Atlas of World Weeds. New	1. Bambusa vulgaris is listed as being present as a weed in
	York: John Wiley & Sons, 1979. Print. 2. Global Invasive Species	Jamaica. 2. Bambusa vulgaris is the most widespread member of
	Database, 2005. Bambusa vulgaris. Available from:	its genus, and has long been cultivated across the tropics and
		subtropics. It prefers lowland humid habitats, but tolerates a
	1&sts=sss⟨=EN [Accessed 3 February 2014].	wide range of climatic conditions and soil types. It commonly
		naturalizes, forming monospecific stands along river banks,
4.01		roadsides and open ground.
4.01		These structures are not included in the description of this
4.02		species. No evidence found.
4.02	USDA, ARS, National Genetic Resources Program. Germplasm	Family: Poaceae (not a parasitic family).
4.03	Resources Information Network - (GRIN) [Online Database].	11. Family. Foaceae (not a parasitic family).
	National Germplasm Resources Laboratory, Beltsville, Maryland.	
	http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (22	
	January 2014).	
4.04	, ,	No evidence found.
4.05		No evidence found.
4.06	1. Alam, M.K., 1995. Bambusa balcooa Roxb.[Internet] Record	1. In Bangladesh a serious disease of Bambusa balcooa is bamboo
	from Proseabase. Dransfield, S. & Widjaja, E.A. (Editors). PROSEA	blight, attacking young bamboos during or soon after the
	(Plant Resources of South-East Asia) Foundation, Bogor,	elongation growth and resulting in dieback; only in B. vulgaris are
	Indonesia. http://www.proseanet.org. Accessed from Internet:	clumps killed outright (Boa & Brady 1987). Sarocladium oryzae
	27 January 2014 AND: Boa, ER & BL Brady. Sarocladium oryzae	(=Acremonium strictum) is the main fungus associated with
	associated with blight of Bambusa species in Bangladesh.	blight symptoms, but the causal agent is not yet known. 2.
	Transactions of the British Mycological Society, 89(2): 161-166.	Distribution of S. oryzae is considered widespread; however only
	2. Farr, D.F., & Rossman, A.Y. Fungal Databases, Systematic	one account of the fungus Acrocylindrium oryzae(=Sarocladium
	Mycology and Microbiology Laboratory, ARS, USDA. Retrieved 3	oryzae, Acremonium strictum) was recorded in 1977 in Louisiana
	February 2014, from http://nt.ars-grin.gov/fungaldatabases/.	affecting Oryza sativa.
4.07	1. Negi, D & S Saxena. 2011. Micropropagation of Bambusa	1. Young shoots are edible and bitter in taste.
	balcooa Roxb. through axillary shoot proliferation. In Vitro	
4.00	Cellular & Developmental Biology - Plant, 47(5): 604-610.	No second
4.08		No evidence found.
4.09		Many nursery sites indicate grows in full sun to partial shade, but
		no definitive evidence of shade tolerance. 1. It grows in any type of soil but prefers heavy textured soils
4 10	11 Alam M/V 100E Dambuca balcada Davb Ustaradt Dacced	11. IL BIOWS III AIIV LYDE OF SOII DUL DEELEES NEAVV TEXTUEGO SOIIS 🔠 📗
4.10	1. Alam, M.K., 1995. Bambusa balcooa Roxb.[Internet] Record	
4.10	from Proseabase. Dransfield, S. & Widjaja, E.A. (Editors). PROSEA	
4.10		

4.44	4 UCDA ABC National Countie Bernard Burnard Counties	14. Familia Barrara 2. Color and the same delegation
4.11	1. USDA, ARS, National Genetic Resources Program. Germplasm	1. Family: Poaceae. 2. Culm erect with pendulous tip,
	Resources Information Network - (GRIN) [Online Database].	(5—)17.5(—30) m tall.
	National Germplasm Resources Laboratory, Beltsville, Maryland.	
	http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (22	
	January 2014). 2. Alam, M.K., 1995. Bambusa balcooa	
	Roxb.[Internet] Record from Proseabase. Dransfield, S. &	
	Widjaja, E.A. (Editors). PROSEA (Plant Resources of South-East	
	Asia) Foundation, Bogor, Indonesia. http://www.proseanet.org.	
	Accessed from Internet: 27 January 2014.	
4.12		No evidence found.
5.01	1. USDA, ARS, National Genetic Resources Program. Germplasm	1. Family: Poaceae.
	Resources Information Network - (GRIN) [Online Database].	
	National Germplasm Resources Laboratory, Beltsville, Maryland.	
	http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (22	
	January 2014).	
5.02	1. USDA, ARS, National Genetic Resources Program. Germplasm	1. Family: Poaceae. 2. Culm erect with pendulous tip,
	Resources Information Network - (GRIN) [Online Database].	(5—)17.5(—30) m tall.
	National Germplasm Resources Laboratory, Beltsville, Maryland.	
	http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (22	
	January 2014). 2. Alam, M.K., 1995. Bambusa balcooa	
	Roxb.[Internet] Record from Proseabase. Dransfield, S. &	
	Widjaja, E.A. (Editors). PROSEA (Plant Resources of South-East	
	Asia) Foundation, Bogor, Indonesia. http://www.proseanet.org.	
	Accessed from Internet: 27 January 2014.	
5.03	USDA, ARS, National Genetic Resources Program. Germplasm	1. Family: Poaceae.
3.03	Resources Information Network - (GRIN) [Online Database].	1. Failing. Foaceae.
	National Germplasm Resources Laboratory, Beltsville, Maryland.	
	http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (22	
F 04	January 2014).	4. Familia Danasa 2. Calar anast with a saddle satis
5.04	1. USDA, ARS, National Genetic Resources Program. Germplasm	1. Family: Poaceae. 2. Culm erect with pendulous tip,
	Resources Information Network - (GRIN) [Online Database].	(5—)17.5(—30) m tall.
	National Germplasm Resources Laboratory, Beltsville, Maryland.	
	http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (22	
	January 2014). 2. Alam, M.K., 1995. Bambusa balcooa	
	Roxb.[Internet] Record from Proseabase. Dransfield, S. &	
	Widjaja, E.A. (Editors). PROSEA (Plant Resources of South-East	
	Asia) Foundation, Bogor, Indonesia. http://www.proseanet.org.	
	Accessed from Internet: 27 January 2014.	
6.01		No evidence to support this as B. balcooa is known mostly in
		cultivation only.
6.02	1. Negi, D & S Saxena. 2011. Micropropagation of Bambusa	1. After flowering, B. balcooa clump dies without setting seeds
	balcooa Roxb. through axillary shoot proliferation. In Vitro	(Tewari 1992); it can only be propagated through asexual means.
	Cellular & Developmental Biology - Plant, 47(5): 604-610.	
6.03		No evidence found.
6.04		No evidence found.
6.05		No evidence found.
6.06	1. Negi, D & S Saxena. 2011. Micropropagation of Bambusa	1. Vegetative propagation through culm cuttings, branch
	balcooa Roxb. through axillary shoot proliferation. In Vitro	cuttings, or rhizomes is difficult on account of few and bulky
	Cellular & Developmental Biology - Plant, 47(5): 604-610.	propagules, season specificity, and low rooting ability of the culm
	<u></u> · · · ·	and branch cuttings. Because of low success rates with
		vegetative propagation it is unsuitable for largescale propagation
		of this species. In contrast, in vitro propagation techniques allow
		mass proliferation of this species within a relatively short period
		of time.
		0

6.07	1. Negi, D & S Saxena. 2011. Micropropagation of Bambusa	1. B. balcooa has a long flowering cycle of 55–60 yr, after which
0.07	balcooa Roxb. through axillary shoot proliferation. In Vitro	the clump dies without setting seeds (Tewari 1992).
	Cellular & Developmental Biology - Plant, 47(5): 604-610.	the clump dies without setting seeds (rewait 1992).
7.01	1. Negi, D & S Saxena. 2011. Micropropagation of Bambusa	Vegetative propagation through culm cuttings, branch
/.01	balcooa Roxb. through axillary shoot proliferation. In Vitro	cuttings, or rhizomes is difficult on account of few and bulky
	Cellular & Developmental Biology - Plant, 47(5): 604-610.	propagules, season specificity, and low rooting ability of the culm
	Central & Developmental Biology - Plant, 47(3), 604-610.	
		and branch cuttings. Also, B. balcooa clump dies after flowering
		without setting seeds (Tewari 1992); it can only be propagated
		through asexual means.
7.02	1. USDA, ARS, National Genetic Resources Program. Germplasm	1. Economic importance: materials (cane, fiber). 2. Bambusa
	Resources Information Network - (GRIN) [Online Database].	balcooa is only cultivated on a small scale, in home gardens or
	National Germplasm Resources Laboratory, Beltsville, Maryland.	village groves. 3. There is an ever increasing demand for B.
	http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (22	balcooa by the pulp and paper, wood chip, building, and
	January 2014). 2. Alam, M.K., 1995. Bambusa balcooa	construction industries
	Roxb.[Internet] Record from Proseabase. Dransfield, S. &	
	Widjaja, E.A. (Editors). PROSEA (Plant Resources of South-East	
	Asia) Foundation, Bogor, Indonesia. http://www.proseanet.org.	
	Accessed from Internet: 27 January 2014. 3. Negi, D & S Saxena.	
	2011. Micropropagation of Bambusa balcooa Roxb. through	
	axillary shoot proliferation. In Vitro Cellular & Developmental	
	Biology - Plant, 47(5): 604-610.	
7.03	1. Negi, D & S Saxena. 2011. Micropropagation of Bambusa	1. Vegetative propagation through culm cuttings, branch
	balcooa Roxb. through axillary shoot proliferation. In Vitro	cuttings, or rhizomes is difficult on account of few and bulky
	Cellular & Developmental Biology - Plant, 47(5): 604-610.	propagules, season specificity, and low rooting ability of the culm
		and branch cuttings. Also, B. balcooa clump dies after flowering
		without setting seeds (Tewari 1992); it can only be propagated
		through asexual means.
7.04	1. Negi, D & S Saxena. 2011. Micropropagation of Bambusa	1. Vegetative propagation through culm cuttings, branch
	balcooa Roxb. through axillary shoot proliferation. In Vitro	cuttings, or rhizomes is difficult on account of few and bulky
	Cellular & Developmental Biology - Plant, 47(5): 604-610.	propagules, season specificity, and low rooting ability of the culm
		and branch cuttings. Also, B. balcooa clump dies after flowering
		without setting seeds (Tewari 1992); it can only be propagated
		through asexual means.
7.05	1. Negi, D & S Saxena. 2011. Micropropagation of Bambusa	Vegetative propagation through culm cuttings, branch
	balcooa Roxb. through axillary shoot proliferation. In Vitro	cuttings, or rhizomes is difficult on account of few and bulky
	Cellular & Developmental Biology - Plant, 47(5): 604-610.	propagules, season specificity, and low rooting ability of the culm
		and branch cuttings. Also, B. balcooa clump dies after flowering
		without setting seeds (Tewari 1992); it can only be propagated
		through asexual means.
7.06	1. Negi, D & S Saxena. 2011. Micropropagation of Bambusa	1. After flowering, B. balcooa clump dies without setting seeds
	balcooa Roxb. through axillary shoot proliferation. In Vitro	(Tewari 1992); it can only be propagated through asexual means.
	Cellular & Developmental Biology - Plant, 47(5): 604-610.	_
7.07	1. Negi, D & S Saxena. 2011. Micropropagation of Bambusa	After flowering, B. balcooa clump dies without setting seeds
	balcooa Roxb. through axillary shoot proliferation. In Vitro	(Tewari 1992); it can only be propagated through asexual means.
	Cellular & Developmental Biology - Plant, 47(5): 604-610.	
7.08	1. Negi, D & S Saxena. 2011. Micropropagation of Bambusa	After flowering, B. balcooa clump dies without setting seeds
	balcooa Roxb. through axillary shoot proliferation. In Vitro	(Tewari 1992); it can only be propagated through asexual means.
I	, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,
	Cellular & Developmental Biology - Plant, 47(5): 604-610.	l .
8.01	Cellular & Developmental Biology - Plant, 47(5): 604-610. 1. Negi, D & S Saxena, 2011, Micropropagation of Bambusa	1. B. balcooa clump dies after flowering without setting seeds
8.01	1. Negi, D & S Saxena. 2011. Micropropagation of Bambusa	B. balcooa clump dies after flowering without setting seeds (Tewari 1992).
8.01	1. Negi, D & S Saxena. 2011. Micropropagation of Bambusa balcooa Roxb. through axillary shoot proliferation. In Vitro	B. balcooa clump dies after flowering without setting seeds (Tewari 1992).
	1. Negi, D & S Saxena. 2011. Micropropagation of Bambusa balcooa Roxb. through axillary shoot proliferation. In Vitro Cellular & Developmental Biology - Plant, 47(5): 604-610.	(Tewari 1992).
8.01	Negi, D & S Saxena. 2011. Micropropagation of Bambusa balcooa Roxb. through axillary shoot proliferation. In Vitro Cellular & Developmental Biology - Plant, 47(5): 604-610. Negi, D & S Saxena. 2011. Micropropagation of Bambusa	(Tewari 1992). 1. B. balcooa clump dies after flowering without setting seeds
	1. Negi, D & S Saxena. 2011. Micropropagation of Bambusa balcooa Roxb. through axillary shoot proliferation. In Vitro Cellular & Developmental Biology - Plant, 47(5): 604-610.	(Tewari 1992).

8.03	No evidence found.
8.04	No evidence found.
8.05	No evidence found.