Thysanolaena latifolia (Melica latifolia, Agrostis maxima, T. maxima)-Tiger		Answer	Score
	grass		
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 US 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 with mean annual precipitation of 11-60 inches.		
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	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	n	-1
4.05	Toxic to animals	n	0
4.06	Host for recognised pests and pathogens	у	1
4.07	Causes allergies or is otherwise toxic to humans.	?	
4.08	Creates a fire hazard in natural ecosystems	?	
4.09	Is a shade tolerant plant at some stage of its life cycle	У	1
4.10	Grows on any soil order representing >5% cover in the US.	y	1
4.11	Climbing or smothering growth habit	ľ	
4.12	Forms dense thickets	n	0
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	v	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)	1	1
7.01	Propagules likely to be dispersed unintentionally (plants growing in heavily trafficked	1	
7.01	areas)		
7.02	Propagules dispersed intentionally by people	у	1
7.03	Propagules likely to disperse as a produce contaminant	?	
7.04	Propagules adapted to wind dispersal	У	1
7.05	Propagules water dispersed	у	1
7.06	Propagules bird dispersed	?	
7.07	Propagules dispersed by other animals (externally)	?	
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 the contiguous US and Alaska	
	Total Score	11
	Implemented Pacific Second Screening	No
	Risk Assessment Results	High Risk

	Reference	Source data
1.01		No Evidence
1.02		
1.03		
2.01	1. USDA/ARS-GRIN [Online Database]. National Germplasm Resources Laboratory, Beltsville, Maryland. http://www.ars-grin.gov/cgi-bin/npgs/html/taxgenform.pl?language=en (25 Nov 2013). 2. PERAL NAPPFAST Global Plant Hardiness (http://www.nappfast.org/Plant_hardiness/NAPPFAST%20Global %20zones/10-year%20climate/PLANT_HARDINESS_10YR%20lgnd.tif). 3. Clayton et al. (2006) Grassbase-the online world grass Flora. http://www.kew.org/data/grasses_db.html (accessed 25 Nov 2013). 4. Dave's Garden. http://davesgarden.com/guides/pf/go/139650/ (accessed 25 nov 2013).	No computer analysis performed. 1. Native to Asia-temperate and Asia-tropical climate. 2. Global Plant Hardiness zones 6-13. 3. Africa: west tropical, east tropical, and western Indian ocean, Asia temperate:China and eastern Asia, Asia tropical: India, Indo-China, Malesia, and Papuasia, Pacific: North-central. 4. USDA Zone 10a-11
2.02	Refer to all references in 2.01.	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. Encyclopedia of Life http://eol.org/pages/1115210/overview (25 Nov 2013). Distribution map.	No computer analysis was performed. Present in more than 3 climatic zones including Cfa, Csa, Csb, Cfa, Cfb, Af. Native range is well known; refer to 2.01 source data.
2.04		
2.05	1. USDA/ARS-GRIN [Online Database]. National Germplasm Resources Laboratory, Beltsville, Maryland. http://www.ars-grin.gov/cgi-bin/npgs/html/taxgenform.pl?language=en (25 Nov 2013). 2. The Grass Manual on the Web. Utah State University, Logan, Utah http://herbarium.usu.edu/webmanual/ (accessed 25 Nov 2013).	1. Cultivated. 2. Grown in the US as an ornamental plant
3.01	1. Holm, L. et al. (1979) A Geographical Atlas of World Weeds. John Wiley and Sons, New York. 2. Weed Watch bulletin TechnigroNerang, BC, QLD, Australia. 3. USDA Plants Database www.http://plants.usda.gov (accessed 25 Nove 2013). 4. Imada (2012) Hawaiin native and Naturalized Vascular Plants Checklist. Hawaii Biological Survey, Bishop Museum, Honolulu, HI	1.Common weed in Vietnam. 2. Starting to spread from cultivation in Queensland and is now thought to be a potential environmental weed. 3. Present in California although the invasion status is unknown. 4. Present on island of O'ahu but status is listed as '?'.
3.02		No Evidence
3.03		No Evidence
3.04		No Evidence
3.05		No Evidence
4.01		No Evidence
4.02		No Evidence
4.03		No Evidence

4.04	1. Saikia et al. (1992) Paper from Thysanolaena maxima.	1. The leaves and tips are used as fodder. 2. a multiuse species of
	BioresourceTech 40:245-248. 2. Sah & Palni (2008) Promotion	high fodder value, nutricious. 3. Animal food/forage. 4. used to
	and cultivation of T. maxima (Roxb.) Kuntze: a multiuse species in	I - I
	Uttarakhand. PNAS India sectionB 78:169-173. 3. USDA/ARS-	rabbits it was concluded that it can be fed to rabbits. 6. Since it is
	GRIN [Online Database]. National Germplasm Resources	heavily browsed, it is naturally found on rocky slopes where
	Laboratory, Beltsville, Maryland. http://www.ars-grin.gov/cgi-	herbivores cannot reach.
	bin/npgs/html/taxgenform.pl?language=en (25 Nov 2013). 4.	
	Manidool (1992) Thysanolaena maxima (Roxb. ex Hornem.)	
	Honda [Internet] Record from Proseabase. Mmannetje, L.and	
	Jones RM (Eds.).PROSEA Foundation, Bogor, Indonesia.	
	http.www.proseanet.org. 5. Rohilla and Bujarbaruah (2000)	
	Effect of feeding broom grass (t. maxima) to rabbits. Indian J	
	Animal Nutrition 17:87-89. 6. eFlora of India	
	https://sites.google.com/site/efloraofindia/species (accessed 25	
	Nov 2013).	
4.05	1. Food and Agriculture Organization of the United Nations	1. Toxicity: None reported. 2.See source data 4.04.
	(author Mannetje) www.fao.org (asscessed 25 Nov 2013). 2. See	
	source data 4.04	
4.06	1. Bhilabutra et al. (2010) Fungi on the grasses, Thysanolaena	conclusions indicate that several fungi have been found
	latifolia and Saccharum spontaneum, in northern Thailand.	associated with T. latifolia and S. spontaneum and it has not
	Mycosphere 1:http://mycosphere.org/vol-1-issue4.php. 2. Wang	been confirmed if these fungi are host specific. 2. The culms of
	et al. (2000). Ommatomyces, with one new species and one new	T. maxima also serve as host to a new species of fungi,
	combination. Fungal Divers 4:125-131. 3. Fetalvero (2012) Tiger	Ommatomyces terrestris and 3. a bacteria called Xanthomonas
	Grass (Thysanolaena Maxima): Review of Its Biology and Uses.	axonopodis pv. vasculorum 3.A leaf spot was observed and
	http://www.scribd.com/doc/105368991/Tiger-Grass-	characterized morphologically and molecularly as
	Thysanolaena-Maxima-Review-of-Its-Biology-and-Uses(accessed	Exserohilum rostratum. This newly discovered disease could
	5 Dec 2013) 4. Brunings et al. (2009) Exserohilum leaf spot on	potentially have a dramaticeffect on the aesthetic quality and
	tiger grass. Plant Health Progress , Online. Plant Health Progress	salability of T. maxima (latifolia) as a landscape ornamental.
	doi:10.1094/PHP-2009-1215-01-RS (accessed 6 Dec 2013).	
4.07		No Evidence
4.08		No Evidence
4.09	1. Food and Agriculture Organization of the United Nations	1. In light shade seedlings grow slowly at first, but then are able
	(author Mannetje) www.fao.org (asscessed 25 Nov 2013). 2.	to compete with other low growing plants. 2. Tiger grass grows
	Manidool (1992) Thysanolaena maxima (Roxb. ex Hornem.)	on lightly shaded slopes. 3. Sun exposure listed as sun, oart
	Honda [Internet] Record from Proseabase. Mmannetje, L.and	sun/part shade, and light shade by Dave's Garden.
	Jones RM (Eds.).PROSEA Foundation, Bogor, Indonesia.	
	http.www.proseanet.org. 3. Dave's Garden. http://davesgarden.com/guides/pf/go/139650/ (accessed 25 nov	
	2013).	
4.10	1. Lin et al. (2006) Nonconstituent species in soil seed banks as	1. Listed on site in China characterized with the soil order Oxisols
1	indicators of anthropogenic disturbance in forest fragments. Can	
	J For Res 36:2300-2316. 2. Bhatt et al. (2010) Rehabilitation of	included T. latifolia and results indicated it was quite productive.
	shifting cultivation areas through agroforestry: a case study in	and results in and quite productive.
	eastern Himalaya, India. J Trop For Sci 22:13-20.	
4.11		No Evidence
4.12	1. Manidool (1992) Thysanolaena maxima (Roxb. ex Hornem.)	Grows solitarily or in small clusters. 2. "It has yet to appear in
	Honda [Internet] Record from Proseabase. Mmannetje, L.and	dense stands"
	Jones RM (Eds.).PROSEA Foundation, Bogor, Indonesia.	
	http.www.proseanet.org. 2. Weed Watch bulletin	
	TechnigroNerang, BC, QLD, Australia.	
5.01		

5.02	1. USDA/ARS-GRIN [Online Database]. National Germplasm	Poaceae family
	Resources Laboratory, Beltsville, Maryland. http://www.ars-	
	grin.gov/cgi-bin/npgs/html/taxgenform.pl?language=en (25 Nov	
	2013).2. Kew Seed Information	
	Databasehttp://data.kew.org/sid/sidsearch.html (25 Nov 2013)	
5.03		
5.04		
6.01		No Evidence
6.02	1. Kew Seed Information	1. 94% germination success. 2. regenrates through seeds under
	Databasehttp://data.kew.org/sid/sidsearch.html (25 Nov 2013).	natural condition.
	2. Bisht and Ahlawat Broom Grass. SFRI Information Bulletin No.	
	6.Itanagar, India. Accessed 25 Nov 2013.	
6.03		No Evidence
6.04		No Evidence
6.05		No Evidence
6.06	1. Food and Agriculture Organization of the United Nations	1. Tiger grass can be propogated by rhizhomes, rooted culms, or
	(author Mannetje) www.fao.org (asscessed 25 Nov 2013). 2.	seeds. 2. Can be propogated by planting rhizhomes
	Bisht and Ahlawat Broom Grass. SFRI Information Bulletin No.	1 1 0 71 0
	6.Itanagar, India. Accessed 25 Nov 2013.	
6.07	1. Clayton et al. (2006) Grassbase-the online world grass Flora.	1. Perennial 2. Seeds mature usually from February to March.
	http://www.kew.org/data/grasses_db.html (accessed 25 Nov	
	2013). 2. Fetalvero (2012) Tiger Grass (Thysanolaena Maxima):	
	Review of Its Biology and Uses.	
	http://www.scribd.com/doc/105368991/Tiger-Grass-	
	Thysanolaena-Maxima-Review-of-Its-Biology-and-Uses (accessed	
	5 Dec 2013).	
7.01	Weed Watch bulletin TechnigroNerang, BC, QLD, Australia.	1. They may also be dispersed by water, vehicles, mowing
	The vector state and recoming stretching, so, qes, rustrand.	equipment and in contaminated soil.
7.02	1. The Grass Manual on the Web. Utah State University, Logan,	1. Planted as ornamental in the US.
	Utah http://herbarium.usu.edu/webmanual/ (accessed 25 Nov	
	2013).	
7.03	1. Clayton et al. (2006) Grassbase-the online world grass Flora.	Caryopsis
	http://www.kew.org/data/grasses db.html (accessed 25 Nov	
	2013).	
7.04	1. Clayton et al. (2006) Grassbase-the online world grass Flora.	1. Caryopsis 2. Mature seeds disseminate by wind to long
	http://www.kew.org/data/grasses_db.html (accessed 25 Nov	distances due to their light weight. 3. Because of
	2013). 2. Bisht and Ahlawat Broom Grass. SFRI Information	their small and feathery nature, they are easily spread about by
	Bulletin No. 6.Itanagar, India. Accessed 25 Nov 2013. 3. Weed	the wind.
	Watch bulletin TechnigroNerang, BC, QLD, Australia.	
7.05	1. Clayton et al. (2006) Grassbase-the online world grass Flora.	Caryopsis 2. Seed dispersal is also affected by water in some
	http://www.kew.org/data/grasses_db.html (accessed 25 Nov	areas. 3. They may also be
	2013). 2. Bisht and Ahlawat Broom Grass. SFRI Information	dispersed by water, vehicles, mowing equipment and in
	Bulletin No. 6.Itanagar, India. Accessed 25 Nov 2013. 3. Weed	contaminated soil.
	Watch bulletin TechnigroNerang, BC, QLD, Australia.	contaminated som
7.06	water same in realing offering, 50, QES, Nastrana.	No Evidence
	1. Lin et al. (2006) Nonconstituent species in soil seed banks as	Dispersal method listed as zoochory, but does not indicate if
,		this is internal or external.
	J For Res 36:2300-2316.	chio is internal of external.
7.08	1. Lin et al. (2006) Nonconstituent species in soil seed banks as	Dispersal method listed as zoochory, but does not indicate if
1,.00		this is internal or external.
	J For Res 36:2300-2316.	cano is internal of external.
8.01	7 TOT NCS 30.2300 2310.	No Evidence
0.01		INO EVIDENCE

8.02	1. Chen et al. (2013) Soil seed banks in plantations and tropical	1. Present in seed banks of rainforests, secondary forests, and
	seasonal rainforests of Xi Shuangbanna, southwest China. J Trop	various plantations in it's native range in SW China. No
	For Sci 25:375-386. 2. Lin et al. (2006) Nonconstituent species in	information provided about persistence. 2. Dominace of T.
	soil seed banks as indicators of anthropogenic disturbance in	maxima (latifolia) in secondary grasslandsin China explained by
	forest fragments. Can J For Res 36:2300-2316.	size of seed bank in former primary forests.
8.03		No Evidence
8.04		No Evidence
8.05		No Evidence