Family:		Anacardiaceae						
Taxon:		Mangifera casturi						
Synonym:		NA Common Name: Kalimantan mango kasturi				0		
Questionair		e :	current 20090513	Assessor:	Assessor	Designation: I		
Status:			Assessor Approved	Data Entry Person: Assessor		WRA Score -2		
101	Is the sp	ecies hig	hly domesticated?			y=-3, n=0	n	
102	Has the	species b	ecome naturalized where grow	'n?		y=1, n=-1		
103	Does the	species l	have weedy races?			y=1, n=-1		
201	Species s substitut	suited to te "wet ti	tropical or subtropical climate ropical'' for ''tropical or subtro	(s) - If island is primaril opical''	y wet habitat, then	(0-low; 1-intermediate; 2- high) (See Appendix 2)	High	
202	Quality	of climat	e match data			(0-low; 1-intermediate; 2- high) (See Appendix 2)	High	
203	Broad cl	imate su	itability (environmental versat	ility)		y=1, n=0	n	
204	Native o	r natural	lized in regions with tropical or	r subtropical climates		y=1, n=0	у	
205	Does the	species l	have a history of repeated intro	oductions outside its nat	ural range?	y=-2, ?=-1, n=0	n	
301	Naturali	zed beyo	nd native range			y = 1*multiplier (see Appendix 2), n= question 205	n	
302	Garden/	amenity/	disturbance weed			n=0, y = 1*multiplier (see Appendix 2)	n	
303	Agricult	ural/fore	estry/horticultural weed			n=0, y = 2*multiplier (see Appendix 2)	n	
304	Environ	mental w	veed			n=0, y = 2*multiplier (see Appendix 2)	n	
305	Congene	eric weed	l			n=0, y = 1*multiplier (see Appendix 2)	у	
401	Produce	s spines,	thorns or burrs			y=1, n=0	n	
402	Allelopa	thic				y=1, n=0		
403	Parasitio	:				y=1, n=0	n	
404	Unpalat	able to g	razing animals			y=1, n=-1	n	
405	Toxic to	animals				y=1, n=0	n	
406	Host for	recogniz	ed pests and pathogens			y=1, n=0	n	
407	Causes a	allergies o	or is otherwise toxic to humans	3		y=1, n=0		
408	Creates	a fire haz	zard in natural ecosystems			y=1, n=0	n	
409	Is a shad	le tolerar	nt plant at some stage of its life	cycle		y=1, n=0	n	
410	Tolerate	s a wide	range of soil conditions (or lim	estone conditions if not	a volcanic island)	y=1, n=0		
411	Climbin	g or smo	thering growth habit			y=1, n=0	n	

412	Forms dense thickets	y=1, n=0	n
501	Aquatic	y=5, n=0	n
502	Grass	y=1, n=0	n
503	Nitrogen fixing woody plant	y=1, n=0	n
504	Geophyte (herbaceous with underground storage organs bulbs, corms, or tubers)	y=1, n=0	n
601	Evidence of substantial reproductive failure in native habitat	y=1, n=0	
602	Produces viable seed	y=1, n=-1	у
603	Hybridizes naturally	y=1, n=-1	
604	Self-compatible or apomictic	y=1, n=-1	у
605	Requires specialist pollinators	y=-1, n=0	n
606	Reproduction by vegetative fragmentation	y=1, n=-1	n
607	Minimum generative time (years)	1 year = 1, 2 or 3 years = 0, 4+ years = -1	>3
701	Propagules likely to be dispersed unintentionally (plants growing in heavily trafficked areas)	y=1, n=-1	n
702	Propagules dispersed intentionally by people	y=1, n=-1	у
703	Propagules likely to disperse as a produce contaminant	y=1, n=-1	n
704	Propagules adapted to wind dispersal	y=1, n=-1	n
705	Propagules water dispersed	y=1, n=-1	n
706	Propagules bird dispersed	y=1, n=-1	
707	Propagules dispersed by other animals (externally)	y=1, n=-1	
708	Propagules survive passage through the gut	y=1, n=-1	У
801	Prolific seed production (>1000/m2)	y=1, n=-1	n
802	Evidence that a persistent propagule bank is formed (>1 yr)	y=1, n=-1	n
803	Well controlled by herbicides	y=-1, n=1	
804	Tolerates, or benefits from, mutilation, cultivation, or fire	y=1, n=-1	
805	Effective natural enemies present locally (e.g. introduced biocontrol agents)	y=-1, n=1	
	Designation: L	WRA Score -2	

upporting Data:				
101	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Is the species highly domesticated? No] "There exist several forms with distinctive fruits."		
102	2013. WRA Specialist. Personal Communication.	NA		
103	2013. WRA Specialist. Personal Communication.	NA		
201	1998. World Conservation Monitoring Centre. Mangifera casturi. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. www.iucnredlist.org [Accessed 07 Sep 2013]	[Species suited to tropical or subtropical climate(s) 2-High] "Endemic to Kalimantan, mostly in the south. The species was native to the wet climate area around Banjarmasin, Indonesia."		
202	1998. World Conservation Monitoring Centre. Mangifera casturi. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. www.iucnredlist.org [Accessed 07 Sep 2013]	[Quality of climate match data 2-High]		
203	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Broad climate suitability (environmental versatility)? No] "An excellent fruit, fit for ever wet climates."		
204	1998. World Conservation Monitoring Centre. Mangifera casturi. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. www.iucnredlist.org [Accessed 07 Sep 2013]	[Native or naturalized in regions with tropical or subtropical climates? Yes] "Endemic to Kalimantan, mostly in the south. The species was native to the wet climate area around Banjarmasin, Indonesia."		
205	2005. Imada, C.T./Staples, G.W./Herbst, D.R Annotated Checklist of Cultivated Plants of Hawai'i. The Bishop Museum, http://www2.bishopmuseum.org/HBS/botany/cultiv atedplants/	[Does the species have a history of repeated introductions outside its natural range? No] "Locations: Waimea Arboretum & Botanical Garden"		
205	2009. Botanix. Kalimantan Mango, Kasturi (Mangifera casturi). http://www.botanix.kpr.eu/en/index.php?text=8- kalimantan-mango-kasturi-mangifera-casturi [Accessed 09 Sep 2013]	[Does the species have a history of repeated introductions outside its natural range? No] "Unlike the fast growing tropical fruit trees, the Kalimantan Mango is not planted in large plantations in Indonesia due to its slow growing process. Kalimantan Mango plantations could only be found in the Mataraman area in the Banjar district (the Banjar district is not the same as the Banjarmasin district)."		
301	1998. World Conservation Monitoring Centre. Mangifera casturi. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. www.iucnredlist.org [Accessed 07 Sep 2013]	[Naturalized beyond native range? No] "It is now known only from cultivation."		
302	1998. World Conservation Monitoring Centre. Mangifera casturi. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. www.iucnredlist.org [Accessed 07 Sep 2013]	[Garden/amenity/disturbance weed? No] "It is now known only from cultivation."		
303	1998. World Conservation Monitoring Centre. Mangifera casturi. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. www.iucnredlist.org [Accessed 07 Sep 2013]	[Agricultural/forestry/horticultural weed? No] "It is now known only from cultivation."		
304	1998. World Conservation Monitoring Centre. Mangifera casturi. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. www.iucnredlist.org [Accessed 07 Sep 2013]	[Environmental weed? No] "It is now known only from cultivation."		
305	2012. Randall, R.P A Global Compendium of Weeds. 2nd Edition. Department of Agriculture and Food, Western Australia	[Congeneric weed? Yes] Mangifera indica		
305	2013. WRA Specialist. Personal Communication.	[Congeneric weed? Yes] In addition to being valued as a fruit tree, Mangifera indica is sometimes regarded as a weed in various locations around the world		
401	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Produces spines, thorns or burrs? No] "Tree, up to 25 m tall with up to 15 m clear bole of up to 40-115 cm diam." [No evidence]		

402	2006. Yan G/Zhu C/Luo Y/Yang Y/Wei J Potential allelopathic effects of Piper nigrum, Mangifera indica and Clausena lansium. Ying Yong Sheng Tai Xue Bao. 17(9): 1633-1636.	[Allelopathic? Unknown] "With Piper nigrum, Mangifera indica and Clausena lansium as the donators, this paper studied their potential allelopathic effects on the germination and growth of Zea mays, Glycine max, Cucurbita moschata, Arachis hypogaea, Raphanus sativus, Echinochloa crusgalli, Digitaria sanguinalis and Stylosanthes guianensis. The results showed that the aqueous extracts of these donators could inhibit the germination and growth of Z. mays, G. max, C. moschata, E. crus-galli and D. sanguinalis at high concentration, but stimulate them at low concentration. In rhizosphere soil of P. nigrum and M. indica, the germination and growth of Z. mays L was stimulated, while A. hypogaea was inhibited. The aqueous extracts of the donators were extracted by ethyl acetate and n butanol, respectively, and the inhibitory activity of both aqueous and n- butanol fractions from P. nigrum and M. indica on Z. mays, R. sativus and S. guianensis was stronger than that of ethyl acetate fraction, indicating that P. nigrum and M. indica contained the allelochemicals with high polarity." [Paper in Chinese. Mangifera indica demonstrates allelopathic potential under lab conditions]
403	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Parasitic? No] "Tree, up to 25 m tall with up to 15 m clear bole of up to 40-115 cm diam." [Anacardiaceae]
404	2013. Evergreen Nursery. Mangifera casturi - Kalimantan Mango. http://www.egnursery.com/mangifera-casturi- kalimantan-mango [Accessed 09 Sep 2013]	[Unpalatable to grazing animals? No] "In India, the leaves from the tree were often fed to the cattle for its rich source of fiber."
405	2009. Litz, R.E. (ed.). The Mango: Botany, Production and Uses. CABI, Wallingford, UK	[Toxic to animals? No evidence] "The genus Mangifera is one of the 73 genera (c.850 species) belonging to the family of Anacardiaceae, in the order of Sapindales." "It is also a family well known for the dermal irritation produced by some of its members, such as the poison ivies and oaks (Rhus spp.) in North America, rengas (Gluta spp.) in Southeast Asia and other species including some Mangifera species whose resinous sap may induce a mild to strong allergic reaction." [No evidence of toxicity to animals in genus, but sap may cause allergic reactions in animals and/or humans]
406	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Host for recognized pests and pathogens? No] "Seems not to suffer from anthracnose and the fruit is not (or rarely) attacked by beetles."
407	1998. World Conservation Monitoring Centre. Mangifera casturi. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. www.iucnredlist.org [Accessed 07 Sep 2013]	[Causes allergies or is otherwise toxic to humans? No evidence] "This tree produces delicious purple-black mango like fruits with very sweet, excellent flavored dark orange pulp."
407	2009. Litz, R.E. (ed.). The Mango: Botany, Production and Uses. CABI, Wallingford, UK	[Causes allergies or is otherwise toxic to humans? Unknown] "The genus Mangifera is one of the 73 genera (c.850 species) belonging to the family of Anacardiaceae, in the order of Sapindales." "It is also a family well known for the dermal irritation produced by some of its members, such as the poison ivies and oaks (Rhus spp.) in North America, rengas (Gluta spp.) in Southeast Asia and other species including some Mangifera species whose resinous sap may induce a mild to strong allergic reaction." [No evidence of toxicity to animals in genus, but sap may cause allergic reactions in animals and/or humans]
408	1998. World Conservation Monitoring Centre. Mangifera casturi. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. www.iucnredlist.org [Accessed 07 Sep 2013]	[Creates a fire hazard in natural ecosystems? No] "Endemic to Kalimantan, mostly in the south. The species was native to the wet climate area around Banjarmasin, Indonesia."
408	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Creates a fire hazard in natural ecosystems? No] "An excellent fruit, fit for ever wet climates."
409	2013. Evergreen Nursery. Mangifera casturi - Kalimantan Mango. http://www.egnursery.com/mangifera-casturi- kalimantan-mango [Accessed 09 Sep 2013]	[Is a shade tolerant plant at some stage of its life cycle? No] "Exposure : Full Sun"
410	2011. Flora Fauna World. Mangifera casturi - Mascot of South Kalimantan. http://08hachi.blogspot.com/2011/08/mangifera- casturi-mascot-of-south.html [Accessed 09 Sep 2013]	[Tolerates a wide range of soil conditions? Unknown] "Kasturi can grow well in lowlands on alluvial soil and adequate water lateral."
411	2013. Sub-Tropical Fruit Club of Qld. Kasturi Mango - Mangifera casturi. http://stfc.org.au/kasturi-mango-mangifera-casturi [Accessed 06 Sep 2013]	[Climbing or smothering growth habit? No] "Kalimantan Mango (Mangifera casturi) or locally known as Kasturi is a tropical fruit tree about 10–30 m tall which is endemic to very small area around Banjarmasin in Southern Borneo (Indonesia). "

_

412	1998. World Conservation Monitoring Centre. Mangifera casturi. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. www.iucnredlist.org [Accessed 07 Sep 2013]	[Forms dense thickets? No] "It is now known only from cultivation."
501	1998. World Conservation Monitoring Centre. Mangifera casturi. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. www.iucnredlist.org [Accessed 07 Sep 2013]	[Aquatic? No] "Systems: Terrestrial"
502	2013. USDA ARS National Genetic Resources Program. Germplasm Resources Information Network - (GRIN). http://www.ars-grin.gov/cgi- bin/npgs/html/index.pl	[Grass? No] Anacardiaceae
503	2013. USDA ARS National Genetic Resources Program. Germplasm Resources Information Network - (GRIN). http://www.ars-grin.gov/cgi- bin/npgs/html/index.pl	[Nitrogen fixing woody plant? No] Anacardiaceae
504	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Geophyte (herbaceous with underground storage organs bulbs, corms, or tubers)? No] "Tree, up to 25 m tall with up to 15 m clear bole of up to 40-115 cm diam." [Anacardiaceae]
601	1998. World Conservation Monitoring Centre. Mangifera casturi. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. www.iucnredlist.org [Accessed 07 Sep 2013]	[Evidence of substantial reproductive failure in native habitat? Unknown] "It is now known only from cultivation."
602	2013. Sub-Tropical Fruit Club of Qld. Kasturi Mango - Mangifera casturi. http://stfc.org.au/kasturi-mango-mangifera-casturi [Accessed 06 Sep 2013]	[Produces viable seed? Yes] "You should sow freshly harvested seeds to get the best germination results. Soak the seeds in water with a temperature of around 20–25 °C for about 2–6 hours. After soaking, sow the seeds in the soil (light, sandy soil) and keep the temperature of the pot at a temperature of at least 20–25 °C. Seeds sprout within 1–3 weeks. Young seedlings should be kept in a moderate sunny position."
603	2009. Litz, R.E. (ed.). The Mango: Botany, Production and Uses. CABI, Wallingford, UK	[Hybridizes naturally? Unknown] "From our observations in Borneo, natural interspecifi c hybridization involving various cultivated Mangifera species can occasionally occur." [No hybrids of M. casturi have been reported]
603	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Hybridizes naturally? Unknown. Hybridization documented in genus, but no reports of hybrids with M. casturi]
604	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Self-compatible or apomictic? Yes] "Flowers are self-compatible." [Genus description]
605	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Requires specialist pollinators? No] "Pollinators are mainly house flies, but also bats, wasps, butterflies, beetles, ants, thrips, etc., In addition to self-pollination."
606	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Reproduction by vegetative fragmentation? No] "Propagation - Mostly by seed in traditional farming conditions." "Vegetative propagation by cuttings, layering and marcotting is not very successful."
607	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Minimum generative time (years)? 10] "A tree, planted from seed in the Bogor Botanic Gardens was bearing frit after 10 years and is now regularly doing so twice a year."
607	2013. Sub-Tropical Fruit Club of Qld. Kasturi Mango - Mangifera casturi. http://stfc.org.au/kasturi-mango-mangifera-casturi [Accessed 06 Sep 2013]	[Minimum generative time (years)? 4+] "Dwight in Guatemala says that his seedlings of Mangifera casturi started to bear in four or five years. This is the most consistent bearer of mango fruit under rainy conditions that I have found."
701	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Propagules likely to be dispersed unintentionally (plants growing in heavily trafficked areas)? No] "Ripe fruit like a small mango, little compressed, c. 6 x 4.5-5 x 3.5-4.2 cm, nose slight but distinct, rarely a point; skin thin, smooth, glossy green with dark spots which multiply and at maturity make a fruit completely or partly black. Pulp dark orange, very sweet and palatable, juicy. Stone c. 5 x 4.5 x 3 cm; endocarp rather hard with rather few, short (up to 2 cm) thin fibres." [Fruits and stones relatively large and unlikely to be inadvertently dispersed]
702	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Propagules dispersed intentionally by people? Yes] "An excellent fruit, fit for ever wet climates,:

703	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Propagules likely to disperse as a produce contaminant? No] "Ripe fruit like a small mango, little compressed, c. 6 x 4.5-5 x 3.5-4.2 cm, nose slight but distinct, rarely a point; skin thin, smooth, glossy green with dark spots which multiply and at maturity make a fruit completely or partly black. Pulp dark orange, very sweet and palatable, juicy. Stone c. 5 x 4.5 x 3 cm; endocarp rather hard with rather few, short (up to 2 cm) thin fibres." [Fruit and stones large and unlikely to be inadvertently dispersed]
704	1998. World Conservation Monitoring Centre. Mangifera casturi. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. www.iucnredlist.org [Accessed 07 Sep 2013]	[Propagules adapted to wind dispersal? No] "This tree produces delicious purple- black mango like fruits with very sweet, excellent flavored dark orange pulp."
705	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Propagules water dispersed? No] "Ripe fruit like a small mango, little compressed, c. $6 \times 4.5-5 \times 3.5-4.2$ cm, nose slight but distinct, rarely a point; skin thin, smooth, glossy green with dark spots which multiply and at maturity make a fruit completely or partly black. Pulp dark orange, very sweet and palatable, juicy. Stone c. $5 \times 4.5 \times 3$ cm; endocarp rather hard with rather few, short (up to 2 cm) thin fibres." [Although fruit may float for short distances, they are relatively large and this is not likely to be an important mechanism of dispersal]
706	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Propagules bird dispersed? Possibly Yes] "Ripe fruit like a small mango, little compressed, c. 6 x 4.5-5 x 3.5-4.2 cm, nose slight but distinct, rarely a point; skin thin, smooth, glossy green with dark spots which multiply and at maturity make a fruit completely or partly black. Pulp dark orange, very sweet and palatable, juicy. Stone c. 5 x 4.5 x 3 cm; endocarp rather hard with rather few, short (up to 2 cm) thin fibres." [Fleshy-fruited, and presumably adapted for bird or mammal dispersal, but birds in the Hawaiian Islands, with the exception of game birds, are unlikely to transport the seeds. Game birds may secondarily disperse seeds of fruit that have fallen from trees.]
707	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Propagules dispersed by other animals (externally)? No] "Ripe fruit like a small mango, little compressed, c. 6 x 4.5-5 x 3.5-4.2 cm, nose slight but distinct, rarely a point; skin thin, smooth, glossy green with dark spots which multiply and at maturity make a fruit completely or partly black. Pulp dark orange, very sweet and palatable, juicy. Stone c. 5 x 4.5 x 3 cm; endocarp rather hard with rather few, short (up to 2 cm) thin fibres." [Fleshy-fruited, and presumably adapted for bird or mammal dispersal, but birds in the Hawaiian Islands, with the exception of game birds, are unlikely to transport the seeds. Frugivorous animals may carry fruit to consume pulp without ingesting relatively large seeds, or spit out seeds while consuming pulp]
708	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Propagules survive passage through the gut? Presumably Yes] "Ripe fruit like a small mango, little compressed, c. $6 \times 4.5-5 \times 3.5-4.2$ cm, nose slight but distinct, rarely a point; skin thin, smooth, glossy green with dark spots which multiply and at maturity make a fruit completely or partly black. Pulp dark orange, very sweet and palatable, juicy. Stone c. $5 \times 4.5 \times 3$ cm; endocarp rather hard with rather few, short (up to 2 cm) thin fibres." [Feral pigs could consume fruit and transport seeds]
801	2012. Kostermans, A.J.G.H The Mangoes: Their Botany, Nomenclature, Horticulture and Utilization. Academic Press, London, UK	[Prolific seed production (>1000/m2)? No] "Ripe fruit like a small mango, little compressed, c. $6 \times 4.5-5 \times 3.5-4.2$ cm, nose slight but distinct, rarely a point; skin thin, smooth, glossy green with dark spots which multiply and at maturity make a fruit completely or partly black. Pulp dark orange, very sweet and palatable, juicy. Stone c. $5 \times 4.5 \times 3$ cm; endocarp rather hard with rather few, short (up to 2 cm) thin fibres." [Seeds relatively large and unlikely to be produced in such high densities]
802	2009. Litz, R.E. (ed.). The Mango: Botany, Production and Uses. CABI, Wallingford, UK	[Evidence that a persistent propagule bank is formed (>1 yr)? No] "Mango seeds are considered to be recalcitrant, and cannot survive for more than a few days or weeks at ambient temperatures (Parisot, 1988). This important characteristic of mango seeds would have inhibited the long distance dispersal of mango by seed until recent times." [Genus description]
803	2013. WRA Specialist. Personal Communication.	[Well controlled by herbicides? Unknown] No information on herbicide efficacy or chemical control of this species
804	2013. WRA Specialist. Personal Communication.	[Tolerates, or benefits from, mutilation, cultivation, or fire? Unknown]
805	2013. WRA Specialist. Personal Communication.	[Effective natural enemies present locally (e.g. introduced biocontrol agents)? Unknown]

Summary of Risk Traits

High Risk / Undesirable Traits

- Thrives in tropical climates
- Self-compatible
- Fleshy fruited, and seeds may possibly be dispersed by birds and mammals

Low Risk Traits

- No reports of naturalization or invasiveness of this species
- Unarmed
- Produces edible fruit
- Reaches maturity in 4+ years
- Does not spread vegetatively
- Large fruit and seeds unlikely to be inadvertently dispersed