TAXON : Wallaceodend celebicum Koord.	ron SCORE: -1.	0 RATING:Low Risk
Taxon: Wallaceodendron celeb Common Name(s): banuy		
Assessor: No Assessor WRA Score: -1.0	Status: Assessor Approved Designation: L	End Date: 3 Jun 2018 Rating: Low Risk

Keywords: Tropical Tree, Unarmed, Shade-Intolerant, Timber, Wind-Dispersed

Qsn #	Question	Answer Option	Answer
101	Is the species highly domesticated?	y=-3, n=0	n
102	Has the species become naturalized where grown?		
103	Does the species have weedy races?		
201	Species suited to tropical or subtropical climate(s) - If island is primarily wet habitat, then substitute "wet tropical" for "tropical or subtropical"	(0-low; 1-intermediate; 2-high) (See Appendix 2)	High
202	Quality of climate match data	(0-low; 1-intermediate; 2-high) (See Appendix 2)	High
203	Broad climate suitability (environmental versatility)	y=1, n=0	n
204	Native or naturalized in regions with tropical or subtropical climates	y=1, n=0	У
205	Does the species have a history of repeated introductions outside its natural range?	y=-2, ?=-1, n=0	?
301	Naturalized beyond 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	Agricultural/forestry/horticultural weed	n=0, y = 2*multiplier (see Appendix 2)	n
304	Environmental weed	n=0, y = 2*multiplier (see Appendix 2)	n
305	Congeneric weed	n=0, y = 1*multiplier (see Appendix 2)	n
401	Produces spines, thorns or burrs	y=1, n=0	n
402	Allelopathic		
403	Parasitic	y=1, n=0	n
404	Unpalatable to grazing animals		
405	Toxic to animals	y=1, n=0	n
406	Host for recognized pests and pathogens		
407	Causes allergies or is otherwise toxic to humans	y=1, n=0	n
408	Creates a fire hazard in natural ecosystems	y=1, n=0	n
409	Is a shade tolerant plant at some stage of its life cycle	y=1, n=0	n
410	Tolerates a wide range of soil conditions (or limestone conditions if not a volcanic island)		

SCORE: -1.0

Qsn #	Question	Answer Option	Answer
411	Climbing or smothering 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	У
504	Geophyte (herbaceous with underground storage organs bulbs, corms, or tubers)	γ=1, n=0	n
601	Evidence of substantial reproductive failure in native habitat		
602	Produces viable seed	y=1, n=-1	У
603	Hybridizes naturally	y=1, n=-1	n
604	Self-compatible or apomictic		
605	Requires specialist pollinators	y=-1, n=0	n
606	Reproduction by vegetative fragmentation		
607	Minimum generative time (years)		
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	У
705	Propagules water dispersed		
706	Propagules bird dispersed	y=1, n=-1	n
707	Propagules dispersed by other animals (externally)	y=1, n=-1	n
708	Propagules survive passage through the gut		
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	У
803	Well controlled by herbicides		
804	Tolerates, or benefits from, mutilation, cultivation, or fire		
805	Effective natural enemies present locally (e.g. introduced biocontrol agents)		

Supporting Data:

Qsn #	Question	Answer
101	Is the species highly domesticated?	n
	Source(s)	Notes
	Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora	[No evidence of domestication] "Uses. According to Foxworthy (I.e.), the wood is moderately hard and heavy, specific gravity 0.525, golden brown, with a fine grain similar to that of Albizia acle. Used for furniture, light construction, flooring, telegraph poles. Sometimes planted."

102	Has the species become naturalized where grown?	
	Source(s)	Notes
	WRA Specialist. 2018. Personal Communication	NA

103	Does the species have weedy races?	
	Source(s)	Notes
	WRA Specialist. 2018. Personal Communication	NA

201	Species suited to tropical or subtropical climate(s) - If island is primarily wet habitat, then substitute "wet tropical" for "tropical or subtropical"	High
	Source(s)	Notes
	USDA, ARS, Germplasm Resources Information Network. 2018. National Plant Germplasm System [Online Database]. http://www.ars-grin.gov/npgs/index.html. [Accessed 1 Jun 2018]	"Native Asia-Tropical MALESIA: Indonesia, [Celebes (n.)] Philippines"
	Andam, C. P., & Parker, M. A. (2008). Origins of Bradyrhizobium nodule symbionts from two legume trees in the Philippines. Journal of Biogeography, 35(6), 1030- 1039	"Wallaceodendron is endemic to the Malesian region, its range extending from North Sulawesi to the Philippine archipelago."

202	Quality of climate match data	High
	Source(s)	Notes
	USDA, ARS, Germplasm Resources Information Network. 2018. National Plant Germplasm System [Online Database]. http://www.ars-grin.gov/npgs/index.html. [Accessed 1 Jun 2018]	

203	Broad climate suitability (environmental versatility)	n
	Source(s)	Notes

SCORE: -1.0

Qsn #	Question	Answer
S (1 N	Nielsen, I.C. 1992. Flora Malesiana. Series I - Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana. Rijksherbarium / Hortus Botanicus, Leiden University, The Netherlands	"Habitat & Ecology - Primary rain forest, inland and near the sea- shore; altitude 0-850 m."
	Merrill, E.D. 1923. An Enumeration of Philippine Flowering Plants. Volume 2. Bureau of Science, Manila	"In forests at low and medium altitudes."
	Lewis, G., Schrire, B., Mackinger, B. & Lock, M. (eds.). 2005. Legumes of the World. The Royal Botanic Gardens, Kew	"tropical coastal and inland rain forest, 0-850 m"

204	Native or naturalized in regions with tropical or subtropical climates	Ŷ
	Source(s)	Notes
	Nielsen, I.C. 1992. Flora Malesiana. Series I - Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana. Rijksherbarium / Hortus Botanicus, Leiden University, The Netherlands	"Distribution - Malesia N Celebes, Philippines."
	USDA, ARS, Germplasm Resources Information Network. 2018. National Plant Germplasm System [Online Database]. http://www.ars-grin.gov/npgs/index.html. [Accessed 3 Jun 2018]	"Native Asia-Tropical MALESIA: Indonesia, [Celebes (n.)] Philippines"

205	Does the species have a history of repeated introductions outside its natural range?	?
	Source(s)	Notes
	Nielsen, I.C. 1992. Flora Malesiana. Series I - Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana. Rijksherbarium / Hortus Botanicus, Leiden University, The Netherlands	Sometimes planted. [apparently not outside botanical gardens]
	Imada, C.T., Staples, G.W. & Herbst, D.R. 2005. Annotated Checklist of Cultivated Plants of Hawai'i. http://www2.bishopmuseum.org/HBS/botany/cultivatedp lants/. [Accessed 3 Jun 2018]	Harold L. Lyon Arboretum

301	Naturalized beyond native range	n
	Source(s)	Notes
	Randall, R.P. (2017). A Global Compendium of Weeds. 3rd Edition. Perth, Western Australia. R.P. Randall	No evidence

SCORE: -1.0

RATING:Low Risk

Qsn #QuestionAnswerWagner, W.L., Herbst, D.R.& Lorence, D.H. 2018. Flora of
the Hawaiian Islands. Smithsonian Institution,
Washington, D.C. http://botany.si.edu/. [Accessed 3 Jun
2018]No evidence to date

302	Garden/amenity/disturbance weed	n
	Source(s)	Notes
	Randall, R.P. (2017). A Global Compendium of Weeds. 3rd Edition. Perth, Western Australia. R.P. Randall	No evidence to date

303	Agricultural/forestry/horticultural weed	n
	Source(s)	Notes
	Randall, R.P. (2017). A Global Compendium of Weeds. 3rd Edition. Perth, Western Australia. R.P. Randall	No evidence to date

304	Environmental weed	n
	Source(s)	Notes
	Randall, R.P. (2017). A Global Compendium of Weeds. 3rd Edition. Perth, Western Australia. R.P. Randall	No evidence to date

305	Congeneric weed	n
	Source(s)	Notes
	Nielsen, I.C. 1992. Flora Malesiana. Series I - Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana. Rijksherbarium / Hortus Botanicus, Leiden University, The Netherlands	"Distribution— Monotypic, endemic to Malesia (Philippines, N Celebes)."
	Andam, C. P., & Parker, M. A. (2008). Origins of Bradyrhizobium nodule symbionts from two legume trees in the Philippines. Journal of Biogeography, 35(6), 1030- 1039	"With only a single species, the genus Wallaceodendron is endemic to the Malesian region, its range extending from North Sulawesi to the Philippine archipelago." [monotypic genus]

401	Produces spines, thorns or burrs	n
	Source(s)	Notes
	Nielsen, I.C. 1992. Flora Malesiana. Series I - Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana. Rijksherbarium / Hortus Botanicus, Leiden University, The Netherlands	"Unarmed tree. Stipules not seen. Leaves bipinnate, rachis and pinnae with extrafloral nectaries; leaflets opposite."

SCORE: -1.0

RATING:Low Risk

Qsn # Question Answer 402 Allelopathic 402 Source(s) Notes WRA Specialist. 2018. Personal Communication Unknown. No information found

403	Parasitic	n
	Source(s)	Notes
	$1/1 = \alpha (1) m (1) = \alpha (1) m (1) m (1) m (1) = \alpha (1) m (1) $	"Tree to 45 m high, bole to 31 m high and to 160 cm in diameter, sometimes buttressed at the base." [Fabaceae. No evidence]

404	Unpalatable to grazing animals	
	Source(s)	Notes
	Nielsen, I.C. 1992. Flora Malesiana. Series I -	[Unknown. No mention of use as fodder] "Uses. According to
	Spermatophyta. Volume 11 - part 1 Mimosaceae	Foxworthy (I.e.) , the wood is moderately hard and heavy, specific
		gravity 0.525, golden brown, with a fine grain similar 10 that of
	Malesiana. Rijksherbarium / Hortus Botanicus, Leiden	Albizia acle. Used for furniture, light construction, flooring, telegraph
	University, The Netherlands	poles. Sometimes planted."

405	Toxic to animals	n
	Source(s)	Notes
	Quattrocchi, U. 2012. CRC World Dictionary of Medicinal and Poisonous Plants: Common Names, Scientific Names, Eponyms, Synonyms, and Etymology. CRC Press, Boca Raton, FL	No evidence
	Wagstaff, D.J. 2008. International poisonous plants checklist: an evidence-based reference. CRC Press, Boca Raton, FL	No evidence

406	Host for recognized pests and pathogens	
	Source(s)	Notes
	Howard, F.W., Pemberton, R.W., Hodges, G.S., Steinberg, B., McLean, D. & Liu, H. 2006. Host Plant Range of Lobate Lac Scale, Paratachardina lobata, in Florida. Proceedings of the Florida State Horticultural Society 119: 398-408	"Table 1. (Continued) The host range of lobate lac scale, Paratachardina lobata, in southern Florida, species based on observations during 2002-2006, arranged in alphabetical order." [Includes Wallaceodendron celebicum. Importance at alternate host unknown]
	WRA Specialist. 2018. Personal Communication	Unknown

407	Causes allergies or is otherwise toxic to humans	n
	Source(s)	Notes

SCORE: -1.0

RATING:Low Risk

TAXON: Wallaceodendron celebicum Koord.

Qsn #	Question	Answer
	Quattrocchi, U. 2012. CRC World Dictionary of Medicinal and Poisonous Plants: Common Names, Scientific Names, Eponyms, Synonyms, and Etymology. CRC Press, Boca Raton, FL	No evidence
	Wagstaff, D.J. 2008. International poisonous plants checklist: an evidence-based reference. CRC Press, Boca Raton, FL	No evidence

408	Creates a fire hazard in natural ecosystems	n
	Source(s)	Notes
	Gascon, C. N., Gascon, A. F., & Takahashi, K. (2006). Agroforestry Systems in the Philippines: Experiences and Lessons Learned in Mt. Banahaw, Hanunuo Mangyan, and some Community-based Forestry Projects. Southern Luzon Polytechnic College University of the Philippines, Los Baños	"These include the heritable characteristics of the species like acid tolerance, drought tolerance, fire tolerance, diameter size, rotation age, yield potentials and rate of growth among others. For example, in the rehabilitation of grassland areas, we should use acid tolerant, drought and fire tolerant species like ipil-ipil (Leucaena leucocephala), narra (Pterocarpus indicus) and banuyo (Wallaceodendron celebicum)." [No indication that this species carried fire]
	Nielsen, I.C. 1992. Flora Malesiana. Series I - Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana. Rijksherbarium / Hortus Botanicus, Leiden University, The Netherlands	[Rainforest habitat. No evidence that this species is from fire prone ecosystems, or contributes to fire risk] "Habitat & Ecology - Primary rain forest, inland and near the sea-shore; altitude 0-850 m."

40	09	Is a shade tolerant plant at some stage of its life cycle	n
		Source(s)	Notes
		Whitford, H. N. (1911). The Forests of the Philippines. Part 1. Forest Types and Products. Bulletin No. 10. Department of the Interior Bureau of Forestry, Manila	"Banuyois intolerant of shade and seems to thrive best in dry places."

410	Tolerates a wide range of soil conditions (or limestone conditions if not a volcanic island)	
	Source(s)	Notes
	Nielsen, I.C. 1992. Flora Malesiana. Series I - Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana. Rijksherbarium / Hortus Botanicus, Leiden University, The Netherlands	Unknown [grows in primary rain forest of Sulawesi, but no information on tolerance to various soil types]

411	Climbing or smothering growth habit	n
	Source(s)	Notes
	I Wood Technical Fact Sheet - Wallaceodendron celebicum	"A large tree with a short clear trunk to 30 to 40 ft; diameters 4 to 6 ft."

412	Forms dense thickets	n

SCORE: -1.0

RATING:Low Risk

Qsn # Question Answer Source(s) Notes Gillett, H., & Sinovas, P. (eds.). (2008). Strategies for the "W. celebicum was reported to be very rare in northern Sulawesi, sustainable use and management of timber tree species and no information on trade in the species was available from the subject to international trade: south east Asia. UNEP area (ID participants, 2007)." [apparently not forming dense thickets] World Conservation Monitoring Centre, Cambridge, UK Whitford, H. N. (1911). The Forests of the Philippines. Part [Scattered distribution] "Banuyo is a medium to large sized tree with 1. Forest Types and Products. Bulletin No. 10. Department a short, often irregular bole and an open crown. It is scattered of the Interior Bureau of Forestry, Manila throughout the molave type of .forest on the dry coastal hills."

501	Aquatic	n
	Source(s)	Notes
	Nielsen, I.C. 1992. Flora Malesiana. Series I - Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana. Rijksherbarium / Hortus Botanicus, Leiden University, The Netherlands	[Terrestrial] "Habitat & Ecology - Primary rain forest, inland and near the sea-shore; altitude 0-850 m."

502	Grass	n
	Source(s)	Notes
	2018. National Plant Germplasm System [Unline Database] http://www.ars-grin.gov/npgs/index.html	Family: Fabaceae (alt.Leguminosae) Subfamily: Caesalpinioideae Tribe: Ingeae

503	Nitrogen fixing woody plant	У
	Source(s)	Notes
	Andam, C. P., & Parker, M. A. (2008). Origins of Bradyrhizobium nodule symbionts from two legume trees in the Philippines. Journal of Biogeography, 35(6), 1030- 1039	"Geographic affinities were analysed for nodule bacteria (Bradyrhizobium sp. Jordan) associated with two legume trees indigenous to the Philippines: Pterocarpus indicus (Papilionoideae) and Wallaceodendron celebicum (Mimosoideae)." "Although Pterocarpus and Wallaceodendron are members of divergent legume subfamilies, it appears that both can form symbiotic interactions with multiple Bradyrhizobium strains."
	USDA, ARS, Germplasm Resources Information Network. 2018. National Plant Germplasm System [Online Database]. http://www.ars-grin.gov/npgs/index.html. [Accessed 1 Jun 2018]	Family: Fabaceae (alt.Leguminosae) Subfamily: Caesalpinioideae Tribe: Ingeae

Qsn #	Question	Answer
504	Geophyte (herbaceous with underground storage organs bulbs, corms, or tubers)	n
	Source(s)	Notes
	$1(1 \Delta \sigma_1) m_1 n_0 c_2 \Delta = 1/(1 m_0 c_0) d_2 \Delta \Delta = 1 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 +$	"Tree to 45 m high, bole to 31 m high and to 160 cm in diameter, sometimes buttressed at the base. Branchlets terete, brownish, in the ultimate parts tomentose, glabrescent, dotted by numerous light brown lenticels."

601	Evidence of substantial reproductive failure in native habitat	
	Source(s)	Notes
	Gillett, H., & Sinovas, P. (eds.). (2008). Strategies for the sustainable use and management of timber tree species subject to international trade: south east Asia. UNEP World Conservation Monitoring Centre, Cambridge, UK	[Reasons for rarity unspecified. Possibly due to overharvesting, or land clearing] "W. celebicum was reported to be very rare in northern Sulawesi, and no information on trade in the species was available from the area (ID participants, 2007). It is listed in the Red List of the Philippines, where it was regarded as endangered (PH participants, 2007)."

602	Produces viable seed	y y
	Source(s)	Notes
		"Seeds brown, suborbicular, flat, c. 13 mm in diameter, to 2 mm thick; areole c. 10 mm in diameter, pleurogram parallel to the margins, open towards the hilum, funicle thin, c. 15 mm."

603	Hybridizes naturally	n
	Source(s)	Notes
	Bradyrnizobium nodule symbionts from two legume trees	"With only a single species, the genus Wallaceodendron is endemic to the Malesian region, its range extending from North Sulawesi to the Philippine archipelago." [monotypic genus]

604	Self-compatible or apomictic	
	Source(s)	Notes
	Nielsen, I.C. 1992. Flora Malesiana. Series I - Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana. Rijksherbarium / Hortus Botanicus, Leiden University, The Netherlands	[Unknown] "Flowers uniform, pentamerous, bisexual."

605	Requires specialist pollinators	n
	Source(s)	Notes

TAXON: Wallaceodendron

SCORE: -1.0

RATING:Low Risk

celebicum Koord.

Qsn #	Question	Answer
	Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana, Bijksberbarium / Hortus Botanicus, Leiden	"Probably most species are bee- and/or butterfly-pollinated" [description of Mimosaceae"Flowers uniform, pentamerous, bisexual. Calyx connate, valvate. Corolla connate, valvate."[Floral morphology suggests generalist insect pollination]

606	Reproduction by vegetative fragmentation	
	Source(s)	Notes
	WRA Specialist. 2018. Personal Communication	Unknown. No information found

607	Minimum generative time (years)	
	Source(s)	Notes
	some Community-based Forestry Projects. Southern	"When the planted trees were assessed of their quarterly height growths (Table 1) the fast growers were narra, banuyo, earpod and kalumpit" [banuyo, or W. celebicum, has a fast growth rate, but age of reproductive maturity unknown]

701	Propagules likely to be dispersed unintentionally (plants growing in heavily trafficked areas)	n
	Source(s)	Notes
	Nielsen, I.C. 1992. Flora Malesiana. Series I - Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana. Rijksherbarium / Hortus Botanicus, Leiden University, The Netherlands	"Seeds brown, suborbicular, flat. C. 13 mm in diameter." [No evidence, no means of external attachment and relatively large seeds unlikely to be accidentally dispersed]

702	Propagules dispersed intentionally by people	Ŷ
	Source(s)	Notes
	Nielsen, I.C. 1992. Flora Malesiana. Series I - Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana. Rijksherbarium / Hortus Botanicus, Leiden University, The Netherlands	"Used for furniture, light construction, flooring, telegraph poles. Sometimes planted."

703	Propagules likely to disperse as a produce contaminant	n
	Source(s)	Notes
	(Leguminosae - Mimosoideae). Foundation Flora	"Seeds brown, suborbicular, flat. C. 13 mm in diameter." [No evidence, and relatively large seeds unlikely to be accidentally dispersed]

704	Propagules adapted to wind dispe	rsal		У		
Creatio	n Date: 3 Jun 2018		eodendron m Koord.)		Page 10 of 13	

SCORE: -1.0

RATING:Low Risk

Qsn #QuestionAnswerSource(s)NotesNielsen, I.C. 1992. Flora Malesiana. Series I -
Spermatophyta. Volume 11 - part 1 Mimosaceae
(Leguminosae - Mimosoideae). Foundation Flora
Malesiana. Rijksherbarium / Hortus Botanicus, Leiden
University, The Netherlands"In Wallaceodendron the one-seeded endocarp segments are
adapted to wind-dispersal (Augspurger 1989)."

705	Propagules water dispersed	
	Source(s)	Notes
	Nielsen, I.C. 1992. Flora Malesiana. Series I - Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana. Rijksherbarium / Hortus Botanicus, Leiden University, The Netherlands	"The peculiar envelopes of the seed, formed by the endocarp, suggest that it possibly is dispersed locally by wind or water." [Large seed pods or seeds envelopes could possibly float]

706	Propagules bird dispersed	n
	Source(s)	Notes
	Nielsen, I.C. 1992. Flora Malesiana. Series I - Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana. Rijksherbarium / Hortus Botanicus, Leiden University, The Netherlands	"Seedswithout aril" [no adaptations for bird dispersal]

707	Propagules dispersed by other animals (externally)	n
	Source(s)	Notes
	I (Leguminosae - Mimosoideae) Foundation Flora	"Seeds brown, suborbicular, flat. C. 13 mm in diameter." [No means of external attachment]

708	Propagules survive passage through the gut	
	Source(s)	Notes
	WRA Specialist. 2018. Personal Communication	[No adaptations for zoochory, & pods unlikely to be consumed] "Pods woody, flat, straight or slightly curved, tardily dehiscent, not segmented, not reddish inside; endocarp chartaceous, loosening, and at dehiscence forming small, closed envelopes around each seed. Seeds circular, flattened, unwinged, with pleurogram, without aril, testa thick, crustaceous; endosperm absent; cotyledons large." "The peculiar envelopes of the seed, formed by the endocarp, suggest that it possibly is dispersed locally by wind or water. The genus is unique by its pod characters."

801	Prolific seed production (>1000/m2)	n

SCORE: -1.0

Qsn #	Question	Answer
	Source(s)	Notes
	Nielsen, I.C. 1992. Flora Malesiana. Series I - Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana. Rijksherbarium / Hortus Botanicus, Leiden University, The Netherlands	"Pod9.5-20 by 2.5-4 cmSeedsc. 13 mm in diameter" [large pod and seed size highly unlikely to produce seed densities >1000/m2]

802	Evidence that a persistent propagule bank is formed (>1 yr)	У
	Source(s)	Notes
	Nielsen, I.C. 1992. Flora Malesiana. Series I - Spermatophyta. Volume 11 - part 1 Mimosaceae (Leguminosae - Mimosoideae). Foundation Flora Malesiana. Rijksherbarium / Hortus Botanicus, Leiden University, The Netherlands	"These seeds also have a pleurogram on the outer surface. The seeds of this group have a very long dormancy, the hard seed coat protecting the embryo against desiccation, physical damage and damage by predatorsIn Malesia the following genera of tribe Ingeae have a hard seed coat with pleurogram: Albizia, Cathormion, Parachidendron, Paraserianthes, Samanea, Serianthes, and Wallaceodendron." [although no specific longevity information is given, this reference suggests long seed viability]

803	Well controlled by herbicides	
	Source(s)	Notes
	IWRA Specialist 2018 Personal Communication	Unknown. No information on herbicide efficacy or chemical control of this species

804	Tolerates, or benefits from, mutilation, cultivation, or fire	
	Source(s)	Notes
	Agroforestry Systems in the Philippines: Experiences and	"These include the heritable characteristics of the species like acid tolerance, drought tolerance, fire tolerance, diameter size, rotation age, yield potentials and rate of growth among others. For example, in the rehabilitation of grassland areas, we should use acid tolerant, drought and fire tolerant species like ipil-ipil (Leucaena leucocephala), narra (Pterocarpus indicus) and banuyo (Wallaceodendron celebicum)." [possibly fire tolerant, but unknown which trait or traits refer to Wallaceodendron]

805	Effective natural enemies present locally (e.g. introduced biocontrol agents)	
	Source(s)	Notes
	WRA Specialist. 2018. Personal Communication	Unknown

celebicum Koord.

Summary of Risk Traits:

High Risk / Undesirable Traits

- Thrives in tropical climates
- Reproduces by seeds
- Seeds dispersed by wind, possibly water & intentionally by people
- Seeds may form a persistent seed bank
- Limited ecological information may reduce accuracy of risk prediction

Low Risk Traits

- No reports of invasiveness or naturalization, but limited evidence of widespread introduction outside native range
- Unarmed (no spines, thorns, or burrs)
- Valued timber tree
- Shade-intolerant