

Tree factsheet

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***Carapa guianensis* Aubl.**

Leo Goudzwaard

taxonomy	
author, year	Aubl.,
synonym	
family	Meliaceae
Eng. Name	crabwood
other names	andiroba (Brazil, Paraguay, Peru), carapa (French Gaiana), cedro macho (Costa Rica), mazabalo (Colombia), krappa (Surinam)
Dutch name	
subspecies	
varieties	
hybrids	
references	CAB International. 2005. The Forestry Compendium. www.cabicompendium.org/fc
	USDA Forest Service www2.fpl.fs.fed.us/techsheets/Chudnoff/TropAmerican/html_files/carapa1new.html
	Tropical Plant Databse www.rain-tree.com/andiroba.htm
	Fournier, L.A. 2003. <i>Carapa guianensis</i> . Escuela de Biología, Universidad de Costa Rica www.rngr.net/Publications/tism/Folder.2003-07-11.4726/PDF.2003-12-03.2328/filetropix.cirad.fr/america/andiroba.pdf
	Wiselius, I. 2000. Hout vademecum. Ten Hagen Stam
morphology	
crown habit	
max. height (m)	45-60
max. dbh (cm)	100-200
actual sizes –location, country - oldest tree –location-	
leaf length (cm)	30-40; leaflets 16
leaf petiole (cm)	0,8
leaf colour upper surface	green
leaf colour under surface	green
leaves arrangement	opposite leaflets
flowering	January to March (April, August, September)
flowering plant	monoecious, both sexes in the same inflorescence, with unisexual flowers
flower	
flower diameter pollen cones (cm)	
inflorescence description, length	auxiliary or subterminal, mach branched, 20-80
pollination	
fruit description	quadrangular, capsule
fruiting period	May-August
fruit; length (cm)	9-16
fruit petiole; length (cm)	2
seed; length (cm)	
seed-wing length (cm)	
weight of 1000 seeds (kg)	
seeds ripen	
seed dispersal	
seed longevity, dormancy	
habitat	

natural distribution	Cuba to Trinidad, Honduras to Central America, Brazil, Colombia, Peru, Venezuela
introduced countries	same area
area natural habitat (ha)	
soil type	light, medium and heavy
water	annual rainfall 1900-3200 mm; tolerates seasonal waterlogging
pH-KCl	
soil fertility	fertile
light	light demanding for rapid growth; tolerates shade
temperature	tropical
"optimum natural development"	tropical lowland rainforest, marsh edges, swamp forests, alluvial riverbanks and periodically flooded plains
remarks	
management	
status natural range	abundant
status introduced range	
application	timber tree
propagation	seed
regeneration	planting, natural regeneration
optimal gap size for regeneration	
resprouting after cutting	good
growth rate	
diseases	
insects	<i>Hypsipyla grandella</i> mahogany shoot borer
ecology	
plant communities / associations	
associated trees	
wood	
trade name	Andiroba, Carapa, Crabwood, Andiroba, Demera mahogany, Krappa (Sur., NL), Brazilian or Bastard mahogany
wood structures key characteristics	
density heartwood (kg/m ³)	570 - 740 (at 12% moisture content)
elastic modulus (N/mm ²)	13700
total above ground biomass	
fungi class durability heartwood	3-4; durable
heartwood colour	reddish brown
sapwood colour	
contents	
products	construction, veneer, flooring, high quality furniture, ship building, etc.
market	substitute for Mahogany
non-timber products	
oil from nuts	andiroba oil, used against insects and for treatment of skin problems



flower of Andiroba © Mauroguanand, Wikipedia



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