

Tree factsheet

image at page 3

***Musanga cecropioides* Tedlie**

editor of this page: Leo Goudzwaard

taxonomy	
author, year	Tedlie
synonym	<i>Musanga smithii</i> R. Br.
family	Cecropiaceae
Eng. Name	African Corkwood Tree, Umbrella tree, Aga umbrella tree
other names	Odwuma (Ghana), Parasolier (France, Ivory Coast, N'Govoge (Sierra Leone), Doe, Govwi (Liberia)
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
	Hawthorne, W. and C. Jongkind. 2006. Woody plants of Western African Forests. Kew Publishing.
morphology	
crown habit	dome shaped
max. height (m)	21-30
max. dbh (cm)	50-
actual sizes –location, country - oldest tree –location-	short lived, around 15-20 years (Taylor, 1960)
leaf length (cm)	45
leaf petiole (cm)	45
leaf colour upper surface	green
leaf colour under surface	green
leaves arrangement	compound,
flowering	
flowering plant	monoecious, male and fecal inflorescens, with unisexual flowers
flower	
flower diameter pollen cones (cm)	
inflorescence description, length	male much branched, 20-80; female flowers in cigar like shapes, 13 cm
pollination	
fruit description	
fruiting period	throughout the year
fruit; length (cm)	
fruit petiole; length (cm)	
seed; length (cm)	
seed-wing length (cm)	
weight of 1000 seeds (kg)	
seeds ripen	
seed dispersal	birds, bats
seed longevity, dormancy	
habitat	
natural distribution	Central and East Africa
introduced countries	

area natural habitat (ha)	
soil type	light and medium
water	?annual rainfall 1900-3200 mm; tolerates seasonal waterlogging
pH-KCl	acid, neutral, alkaline
soil fertility	fertile
light	strong light demanding
temperature	annual average 25-30 C
"optimum natural development"	high tropical rain forest; disturbed areas, rainfall 2000-5000 mm/year
remarks	
management	
status natural range	common
status introduced range	invasive
application	nurse plant, soil improvement
propagation	seed
regeneration	natural regeneration, arial runners
optimal gap size for regeneration	
resprouting after cutting	
growth rate	very fast, 24 m in 9 years; (Swaine and Hall, 1983)
diseases	
insects	
ecology	
plant communities / associations	
associated trees	
wood	
trade name	corkwood, Odwuma
wood structures key characteristics	
density heartwood (kg/m ³) (at 12% moisture content)
elastic modulus (N/mm ²)	
total above ground biomass	
fungi class durability heartwood	
heartwood colour	pale yellow, pale brown or pinkish
sapwood colour	id.
contents	
products	rafts, floaters, paddles, light construction building timbers, paper
market	
non-timber products	
fruits	edible
bark	medicinal purposes



Musanga cecropioides in Ivory Coast, ©L. Poorter, Wageningen University