

Savanna of Belize Melastomataceae



Zoë Goodwin, Sam Bridgewater & David Harris

Photos by Z. A. Goodwin, S. Bridgewater & D. J. Harris. Produced by: Z. A. Goodwin, work supported by the Darwin Initiative. Version 2011/03/29



1 *Pterolepis stenophylla*
(Flower)



2 *Pterolepis stenophylla*
(Lf upper surface)



3 *Acisanthera quadrata*
(Flower)



4 *Acisanthera quadrata*
(Lf lower surface)



5 *Acisanthera crassipes*
(Flower)



6 *Acisanthera crassipes*
(Glandular hairs)



7 *Acisanthera crassipes*
(Stem & leaves)



8 *Acisanthera bivalvis*
(Flower)



9 *Acisanthera bivalvis*
(Stem)



10 *Acisanthera bivalvis*
(Stem & leaves)



11 *Acisanthera bivalvis*
(Base of stem)



12 *Tibouchina aspera*
(Flower)



13 *Tibouchina aspera*
(Bracts)



14 *Tibouchina aspera*
(Lf upper surface)



15 *Tibouchina aspera*
(Lf lower surface)



16 *Tibouchina aspera*
(Stem)



17 *Clidemia sericea*
(Flower)



18 *Clidemia sericea*
(Lf upper surface)



19 *Clidemia sericea*
(Lf lower surface)



20 *Clidemia sericea*
(Habit)

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21 *Conostegia icosandra*
(Flower)



22 *Conostegia icosandra*
(Immature fruit)



23 *Conostegia icosandra*
(Calyptra)



24 *Conostegia icosandra*
(Lf upper surface)



25 *Conostegia icosandra*
(Lf lower surface)



26 *Pachyanthus lundellianus*
(Flower)



27 *Pachyanthus lundellianus*
(Inflorescence)



28 *Pachyanthus lundellianus*
(Fruit & appendages)



29 *Pachyanthus lundellianus*
(Lf upper surface)



30 *Pachyanthus lundellianus*
(Lf lower surface)



31 *Tococa guianensis*
(Flower)



32 *Tococa guianensis*
(Inflorescence)



33 *Tococa guianensis*
(Formicaria)



34 *Tococa guianensis*
(Lf upper surface)



35 *Miconia albicans*
(Flower)



36 *Miconia albicans*
(Inflorescence)



37 *Miconia albicans*
(Inflorescence)



38 *Miconia albicans*
(Lf upper surface)



39 *Miconia albicans*
(Lf lower surface)



40 *M. albicans* (left)
M. stenostachya (right)

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41 *Miconia stenostachya*
(Inflorescence)



42 *Miconia stenostachya*
(Flower)



43 *Miconia stenostachya*
(Lf upper surface)



44 *Miconia stenostachya*
(Lf lower surface)



45 *Miconia chamissois*
(Inflorescence)



46 *Miconia chamissois*
(Flower)



47 *Miconia chamissois*
(Lf upper surface)



48 *Miconia chamissois*
(Lf lower surface)



49 *Miconia ciliata*
(Flower)



50 *Miconia ciliata*
(Fruit)



51 *Miconia ciliata*
(Lf detail)



52 *Miconia ciliata*
(Lf upper surface)



53 *Miconia ciliata*
(Lf lower surface)



54 *Conostegia xalapensis*
(Inflorescence)



55 *Conostegia xalapensis*
(Fruit)



56 *Conostegia xalapensis*
(Calyptra)



57 *Conostegia xalapensis*
(Lf upper surface)



58 *Conostegia xalapensis*
(Lf lower surface)



59 *Clidemia strigillosa*
(Inflorescence)



60 *Clidemia strigillosa*
(Flower)

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61 *Clidemia strigillosa*
(Fruit)



62 *Clidemia strigillosa*
(Lf upper surface)



63 *Clidemia strigillosa*
(Lf lower surface)



64 *Clidemia capitellata* var.
capitellata (Flower)



65 *C. capitellata* var. *capitellata*
(Inflorescence)



66 *C. capitellata* var. *capitellata*
(Lf upper surface)



67 *C. capitellata* var. *capitellata*
(Lf lower surface)



68 *C. capitellata* var. *capitellata*
(Stem)



69 *Clidemia capitellata* var.
neglecta (Habit)



70 *C. capitellata* var. *neglecta*
(Inflorescence)



71 *Miconia lacera*
(Flower)



72 *Miconia lacera*
(Fruit)



73 *Miconia lacera*
(Inflorescence)



74 *Miconia lacera*
(Detail)



75 *Miconia lacera*
(Lf upper surface)



76 *Miconia lacera*
(Lf lower surface)

For further information please visit: www.eeo.ed.ac.uk/sea-belize

This guide has been produced as part of Darwin Initiative Project 17-022 Conservation of the Lowland Savannas of Belize

This photoguide covers only the most common species of Melastomataceae found in the lowland savannas of Belize, there are additional species that are common in the Mountain Pine Ridge savannas.

Additional notes on Habit & Identification: *Acisanthera crassipes* (5-7) & *A. bivalvis* (8-11) are normally found October – February in open, damp grassland. *A. crassipes* is tiny (-10 cm) with a basal rosette of leaves. *Miconia albicans* (35-39; very common, petiole <1 cm, lvs glossy dark above & tan below) & *M. stenostachya* (41-44; rare, petiole >2 cm, lvs matt light above & white-tan below) are easily confused. *Clidemia nomvennervia* may be the correct name for *C. strigillosa*, these are very difficult to differentiate. *C. strigillosa* & *C. capitellata* var. *neglecta* lvs are sticky to touch. *C. capitellata* var. *neglecta* is more common in dry savanna (such as MPR) & *C. capitellata* var. *capitellata* prefers damp forest edges. *Tibouchina aspera* (12-16) is only found in the savannas of Southern Stann Creek, *Pachyanthus lundellianus* (26-30) is only found in savannas in North Stann Creek – SE Belize. Both *Conostegia* spp. (21-25 & 54-58) are easily identified by the calyptra, they are more difficult to identify sterile.

