



Scientific Name

Acacia mangium

Common Name

Black wattle, Hickory wattle, Mangium

Family

Fabaceae(Leguminosae)
Subfamily- Mimosae

Plant Description

On favourable sites in its natural habitat *A. mangium* grows into a tree 25-35 m tall with a straight bowl dominant for a greater part of tree height. More commonly it is a tree of 8-20 m, and rarely a shrub 3-5 m, heavily branched and with a short bole. The bark is grey or brown, sometimes blackened at the base, smooth in young trees, becoming rough and longitudinally fissured with age. The phyllodes of the foliage are falcate, 8-20 cm long and 1.0-4.5 cm wide, glabrous, greyish-green and thinly textured. There are three prominent longitudinal veins running together towards the lower margin or in

the middle near the base, with many fine, crowded secondary veins, and a distinct gland at the base of the phyllode. The inflorescence is an axillary, somewhat interrupted spike to 8.5 cm long in pairs in the upper axils. Flowers are light-yellow in colour, 5-merous, bisexual, tiny, sessile, fragrant; calyx tubular, up to 0.1 cm long, shortly lobed, glabrous; corolla to 0.2 cm long; stamens many, about 0.3 cm long; ovary densely pubescent. The pods are strongly curved to form an open coil, flat, flexible but hard, rather woody, glaucous, transversely veined with undulate margins and are about 6.5 cm long by 1.5 cm wide. They are initially straight or curved, but on maturity become twisted and irregularly coiled. The shiny black seeds, held transversely in the pod, are broadly ovate to elliptical, 0.4-0.6 cm long by 0.3-0.4 cm wide, and each is encircled by a long red, yellow or orange funicle; areole large, almost enclosed.

Distribution

A. mangium are native to Queensland in Australia, Papua New Guinea and the eastern Maluku Islands

Uses

It exhibits widely used in commercial plantations with a range of benefits such as pulp, charcoal, construction material, fuelwood, Erosion control, Shade, Shelter, Amenity, Timber and other Industrial products, Nitrogen fixing, Ornamental purposes..

Flowering and Fruiting Time

Flowering and Fruiting time: March to December but more in September to October.