



TREE SPECIES (SCIENTIFIC NAME)

# Acacia mangium

ENGLISH COMMON NAME

Brown salwood

INDONESIAN COMMON NAME

Akasia, Tongke Hutan

TREE FAMILY

**FABACEAE**

AVERAGE LEAF SIZE (CM)

**25cm** × **6.75cm**  
Length Width

ELEVATIONAL RANGE (M)

**0-800m**

TREE HEIGHT

**MEDIUM (20-35M)**



DISTRIBUTION

**NATIVE TO INDONESIA**

NATIVE TO

**Region:** Asia, Oceania

Papua New Guinea

**Indonesia:** Maluku Islands, New Guinea, Sumatra

EXOTIC IN

**SE Asia:** Malaysia, Philippines, Singapore, Vietnam

**Indonesia:** Borneo, Lesser Sunda Islands

## COFFEE AGROFORESTRY INFORMATION

COFFEE SYSTEM

**ROBUSTA** **ARABICA**

COFFEE IMPACT

**BENEFICIAL TO COFFEE**

REGENERATION

**REGENERATES NATURALLY**

CULTIVATION

**PLANTED**

PREVALENCE

**COMMON IN COFFEE AGROFORESTRY**

## TREE BENEFITS AND USES

FARMER USES



**Livestock Forage, Fuelwood, Lumber, Ornamental**

Wood is used for construction, boat building, furniture and cabinet-making, veneer, and particle board. The pulp is readily bleached to high brightness levels and is excellent for paper making. This species is used for soil improvement, as a firebreak, and the leaves may serve as forage for cattle.

TREE MANAGEMENT

Propagated by seed (direct sowing or nursery), air layering, cuttings, grafting and tissue culture. Regenerates naturally in clear-cut and burned areas. Plant at spacing of 2 m x 2m to 2.5 m x 2.5 m. Prune twice to a height of 6 m and prune persistent branches if objective is to produce quality timber. Pruning branches with a diameter of >2 cm makes the tree susceptible to infections (especially heart rot). Thinning for pulpwood production is aimed at achieving a final stock of 600-700 stems/ha from the 1250 trees/ha planted and is done after 18 months. Grows rapidly (~3 m in first year), but growth declines rapidly after 7 or 8 years. Requires high amounts of water and nutrition resources. Has allelopathic effects which may negatively impact coffee growth. Highly invasive outside native range.

FARM SERVICES



**Windbreak, Soil Improvement, Erosion Control, Nitrogen Fixation**

BIODIVERSITY BENEFITS

Unknown

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