



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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