



TREE SPECIES (SCIENTIFIC NAME)

# Tectona grandis

ENGLISH COMMON NAME

Teak

INDONESIAN COMMON NAME

Jati

TREE FAMILY

**LAMIACEAE**

AVERAGE LEAF SIZE (CM)

**13-75cm** × **10-40cm**

Length Width

ELEVATIONAL RANGE (M)

**0-1200m**

TREE HEIGHT

**LARGE (> 35M)**



DISTRIBUTION



**EXOTIC IN INDONESIA**

NATIVE TO

**Region:** Asia

**SE Asia:** Cambodia, Laos, Myanmar, Thailand, Vietnam

EXOTIC IN

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

**Indonesia:** Java, Lesser Sunda Islands, Sulawesi, Sumatra

## COFFEE AGROFORESTRY INFORMATION

COFFEE SYSTEM

**ROBUSTA** **ARABICA**

COFFEE IMPACT

**BENEFICIAL TO COFFEE**

REGENERATION

Unknown

CULTIVATION

**PLANTED**

TREE MANAGEMENT

Propagated by seed, cuttings, suckers, and grafting. Weeding and protection from grazing animals is recommended. Intolerant of crown friction and full sunlight optimum for growth. Initial growth is rapid with height of 13 m and 10 cm dbh at 5 years, 16.5 m and 15 cm at 10 years, and 21.5 m and 23.5 cm at 20 years. Growth slows at 15-20 years. In stands of 80 year old trees max height is 45 m with a max diameter of 75 cm. Thinning recommended at 5, 10, 18, and 28 year intervals after planting and rotation period is approximately 80 years

PREVALENCE

**COMMON IN COFFEE AGROFORESTRY**

## TREE BENEFITS AND USES

FARMER USES



**Fuelwood, Lumber, Medicinal, Product**

The seed is used as a diuretic and to promote growth of hair, the flower is used as a diuretic and to treat digestive issues, bronchitis, and urinary disorder, the leaf is used to treat tuberculosis, and the bark is used to treat bronchitis. Its wood has high economic value in the domestic and international markets and the tree is used for shade, produces tannin, is used to make crafts, and the leaves are used for wrapping and packing fresh meat and fish, thatching huts, and for making medium-strong boards through processing.

FARM SERVICES



**Erosion Control**

*Erosion control:* when planted at high density due to extensive root system

BIODIVERSITY BENEFITS

Unknown

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Image: Adi Nugroho