



TREE SPECIES (SCIENTIFIC NAME)

# Garcinia mangostana

ENGLISH COMMON NAME

Mangosteen

INDONESIAN COMMON NAME

Manggis

TREE FAMILY

**CLUSIACEAE**

AVERAGE LEAF SIZE (CM)

**20cm** × **10cm**  
Length Width

DISTRIBUTION

**EXOTIC IN INDONESIA**

ELEVATIONAL RANGE (M)

**0-1000M**

TREE HEIGHT

**MEDIUM (20-35M)**



NATIVE TO

**Region:** Asia  
Malaysia, Singapore

EXOTIC IN

**SE Asia:** Cambodia, Laos, Philippines, Vietnam  
**Indonesia:** Borneo, Java, Lesser Sunda Islands, Maluku Islands, Sumatra

## COFFEE AGROFORESTRY INFORMATION

COFFEE SYSTEM

**ROBUSTA** **ARABICA**

COFFEE IMPACT

**BENEFICIAL TO COFFEE**

REGENERATION

**REGENERATES NATURALLY**

CULTIVATION

**PLANTED**

TREE MANAGEMENT

Propagated by spontaneously growing seedlings under mother tree or by seed (if seeds they should be pre-germinated and potted). Seedling growth is slow but gradually picks up under favorable conditions (a 60 cm tall seedling with one or two pairs of branches can be raised in about 2 years). Nursery conditions should include a freely draining growing medium with high moisture retention (mixtures including shredded coconut fiber, peat, sphagnum or pine bark) and high humidity and shade (cover the nursery beds with colored polythene tunnels). Plant young trees carefully to avoid root injury water heavily. Wide spacing is recommended as dense canopy may cause sunlight competition that impacts coffee. Fertilizer accelerates seedling growth. Trees should be irrigated almost daily during the dry season. Partial shading needed for 3-5 years. Can be regularly fertilized with "well-rotted" manure (45-90 kg) and peanut meal (4.5-6.8 kg/year). The most productive trees grow on the banks of streams, lakes, ponds or canals but before blooming and during flowering, dry weather induces a good fruit set.

PREVALENCE

**COMMON IN COFFEE AGROFORESTRY**

## TREE BENEFITS AND USES

FARMER USES



**Food, Fuelwood, Lumber, Medicinal, Product**

The fruit is consumed and the rind can be used to stop vomiting and the latex is used to treat skin cancer. The fruit rind is also used to tan leather and as a black dye. The dark red wood is heavy, coarse, very strong, when available used in carpentry and to make rice pounders, and is a highly marketable product.

FARM SERVICES

Unknown

BIODIVERSITY BENEFITS

**YES**

Vegetation attract birds searching for food and nesting material

Last Updated: April 26, 2021

Image: Joanna Durant, © Digital Image © Board of Trustees, RBG Kew <http://creativecommons.org/licenses/by/3.0/>