



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

SE 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

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