

TREE SPECIES (SCIENTIFIC NAME)

Mangifera indica

TREE FAMILY

ANACARDIACEAE

COFFEE SYSTEM

ARABICA

PLANTED

NATURAL

ELEVATIONAL RANGE (M)

0-1200м



COFFEE IMPACT

BENEFICIAL TO COFFEE

COFFEE AGROFORESTRY INFORMATION

AVERAGE LEAF SIZE (CM)

19.5см × 4.5см Length Width

TREE MANAGEMENT

Propagated by seed, sprout and grafting. Cuttings can also produce roots. It withstands dry periods and poor soils. During the first years after planting, watering promotes redness and suppresses flowering, so the size of the tree increases rapidly, and also widens the margin for intercropping with other crops. Stopping watering leads to flowering. Green fruits have a resinous oil that is irritating and caustic, which can cause strong irritation on contact with the skin. Long-lived tree.

PREVALENCE

CULTIVATION

Unknown

TREE BENEFITS AND USES

FARMER USES

X 🔺 🕂

Food, Livestock Forage, Firewood, Lumber, Medicinal, Product It is strong and heavy, in many places pieces of the trunk are used to cut meats in butcher shops. Wood must be treated with preservatives when used in construction and outdoor applications. It is a species cultivated for the nutritional value of its fruits which can be eaten, made into a drink, and can be sold in local markets. The pulp of ripe fruits is edible and is used to prepare jellies, preserves and juices. The tree produces tannins. The leaves, flowers and resin are used in traditional medicine. The dried flowers and bark extracts are used as astringents, and extracts of unripe fruits, bark, stems and leaves are used as antibiotics. It produces excellent charcoal and is used for burning due to its less toxic smoke. It is also used to grow mushrooms.

FARM SERVICES



Coffee Shade

BIODIVERSITY BENEFITS

No

Last Updated: August 15, 2023

Image: Mangifera indica flowers; Mangifera indica trees: Andrew McRobb, © RBG Kew http://creativecommons.org/licenses/by/3.0/ Mangifera indica herbarium 1; Mangifera indica herbarium 2: Herbarium Catalogue Specimens Digital Image © Board of Trustees, RBG Kew http://creativecommons.org/licenses/by/3.0/

Solis R, Vallejos-Torres G, Arévalo L, Marín-Díaz J, Ñigue-Alvarez M, Engedal T, Bruun TB (2020). Carbon stocks and the use of shade trees in different coffee arowing systems in the Peruvian Amazon. The Journal of Agricultural Science 1-11. https://doi.org/10.1017/S002185962000074X;

Smithsonian Tropical Research Institute: Mangifera indica (L.). Accessed 5 Oct 2022. Published on the Internet: https://panamabiota.org/stri/taxa/index.php? taxon=Mangifera+indica&formsubmit=Search+Terms#

Plants of the World Online POWO (2022). "Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. Published on the Internet http://www.plantsoftheworldonline.org; Shade Catalog | Indonesia. Shade Catalog, Conservation International, Smithsonian Migratory Bird Center and World Coffee Research. Retrieved October 5, 2022, from https://www.shadecoffee.org/en/catalog/indonesia

EXOTIC IN PERU NATIVE TO

DISTRIBUTION

Region: Americas Latin America: Belize

EXOTIC IN

Latin America: Brazil, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Paraguay, Peru, Venezuela

ENGLISH COMMON NAME

PERU COMMON NAME

Mango

Mango