

TREE SPECIES (SCIENTIFIC NAME)

PERU COMMON NAME

Copal, Incienso

Protium tenuifolium

TREE FAMILY

BURSERACEAE

AVERAGE LEAF SIZE (CM)

10.35cm × 4.01cm

Length Width

ELEVATIONAL RANGE (M)

400-1100_M

TREE HEIGHT

MEDIUM (20-35M)









DISTRIBUTION



NATIVE TO PERU

NATIVE TO

Region: Americas

Latin America: Brazil, Colombia, Costa Rica, Ecuador, Guyana, Honduras,

Nicaragua, Panama, Peru, Suriname, Venezuela

COFFEE AGROFORESTRY INFORMATION

COFFEE SYSTEM





COFFEE IMPACT

BENEFICIAL TO COFFEE



PLANTED



NATURAL

PREVALENCE

Not Common in Coffee Agroforestry

TREE BENEFITS AND USES

FARMER USES







Firewood, Lumber, Medicinal, Product

Harvested from the wild and used for carpentry, construction, joinery, cabinetry, furniture, flooring, household utensils. The resin obtained from the bark is used to light fires. The resin is an astringent.

TREE MANAGEMENT

Planted by seeds and seeds are dispersed by large birds and various mammals. It has ripe reddish fruits which contains the seed and are relatively easy to collect with sticks. The fruits are left to open in the sun and the pulp covering the seeds is removed under water. Without pregermination treatment, an average of 7% germination is obtained, which occurs between 25 and 46 days after planting. Seeds stored at 20°C lose viability in less than 1 month. Growth in nursery is slow. Seedlings can reach 25-30 cm in height in a time of 8 months. They require partial shade during their initial development. Trees of this species maintain their foliage permanently. It has a low incidence of pests.

FARM SERVICES



Coffee Shade, Soil Improvement

Coffee Shade: generates medium shade coverage Soil Improvement: drops its leaves in dry season by up to 70 percent, which facilitates the recycling of nutrients and incorporates nutrients into the soil

BIODIVERSITY BENEFITS



The biggest consumers of its fruits are toucans, toucans and saltators. Also frequently visited by tanagers, euphonias, chlorophonias, violet magpies and insectivorous birds such as greenlets, vireos and cabezons. The seeds are dispersed by large birds and various mammals.

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 $Tropical Plants \, Database, Ken \, Fern. \, tropical. the {\it ferns.info}. \, 2022-06-23. \, \underline{tropical. the {\it ferns.info}/view tropical.php? id=Protium+tenuifolium}; \, Let a the {\it ferns.info}/view tropical Protium+tenuifolium; the {\it ferns.info}/view tropical.php? id=Protium+tenuifolium; the {\it ferns.info}/view tropical.php. id=Protium+tenuifolium+tenuifolium+tenuifolium+tenuifolium+tenuifolium+tenuifolium+tenuifolium+tenuifolium+$ Román, Francisco, et al. Guía para la propagación de 120 especies de árboles nativos de Panamá y el neotrópico. 2012.