



TREE SPECIES (SCIENTIFIC NAME)

Inga ruiziana

PERU COMMON NAME

Shimbillo

TREE FAMILY

FABACEAE

AVERAGE LEAF SIZE (CM)

16.5cm * **7.5cm**
Length Width

DISTRIBUTION



NATIVE TO PERU

ELEVATIONAL RANGE (M)

0–2150m

TREE HEIGHT

SMALL (10–20M)



COFFEE AGROFORESTRY INFORMATION

COFFEE SYSTEM



ARABICA

COFFEE IMPACT



BENEFICIAL TO COFFEE

CULTIVATION



PLANTED



NATURAL

TREE MANAGEMENT

The natural regeneration potential of the species is enormous, and seed propagation is highly successful. Trees grow quickly, respond well to drastic pruning, and are therefore easy to keep within the required size and shade levels. The trees of this species have great potential to produce honey plant in farms dedicated to beekeeping.

PREVALENCE

Unknown

TREE BENEFITS AND USES

FARMER USES

**Food, Firewood, Lumber, Medicinal**

It is used for firewood, boxes, flooring and fence posts. The white seed covering has a cottony and sweet consistency and is consumed fresh. The seeds contain a sweet, edible-tasting pulp that surrounds the seeds. The fruit is harvested from the wild for local use and is sometimes sold in local markets.

FARM SERVICES

**Coffee Shade, Soil Improvement, Erosion Control, Nitrogen Fixation**

Coffee Shade: often planted to provide shade in coffee and cocoa plantations

BIODIVERSITY BENEFITS



YES

The flowers are visited by bees, butterflies and other insects. There are red ants that collect secretions from its glands and defend the plant from herbivores.

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Image: 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, Nique-Alvarez M, Engedal T, Bruun TB (2020). Carbon stocks and the use of shade trees in different coffee growing systems in the Peruvian Amazon. The Journal of Agricultural Science 1–11. <https://doi.org/10.1017/S002185962000074X>;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>; Smithsonian Tropical Research Institute: Inga ruiziana (G. Don). Accessed 13 Oct 2022. Published on the Internet: <https://panamabiota.org/stri/taxa/index.php?taxon=Inga+ruiziana&forms-submit=Search+Terms>;Tropical Plants Database, Ken Fern. tropical.theferns.info/viewtropical.php?id=Inga+ruiziana;Inga ruiziana G. Don in GBIF Secretariat (2021). GBIF Backbone Taxonomy. Accessed on 2022-10-13. Checklist dataset <https://doi.org/10.15468/39omej>;

Reynel, C., & Albán, J. (4). 4 Especies Forestales con Potencialidad alimenticia en la amazonía peruana: Etnobotánica y Germinación (Artículo especial). Revista Forestal del Perú, 13(1), 1-24.