TREE SPECIES (SCIENTIFIC NAME)

Richeria grandis

TREE FAMILY

PHYLLANTHACEAE

AVERAGE LEAF SIZE (CM)

16.56CM × 8.21CM

Length Width

DISTRIBUTION

NATIVE TO PERU

NATIVE TO

Region: Americas
Latin America: Bolivia, Brazil, Colombia, Costa Rica, Ecuador, Guyana, Panama, Peru, Venezuela

ELEVATIONAL RANGE (M)

850–1500M

TREE HEIGHT

SMALL (10–20M)

COFFEE AGROFORESTRY INFORMATION

COFFEE SYSTEM

ARABICA

COFFEE IMPACT

BENEFICIAL TO COFFEE

CULTIVATION

PLANTED
NATURAL

TREE MANAGEMENT

Planted by seeds and cuttings in nursery. Plant fresh seeds in a partially shaded nursery. A germination rate of more than 50% can be expected, and the seeds sprout within 100-120 days. The species is an aluminum accumulator and is capable of accumulating 15,000 ppm of aluminum. The plant was able to tolerate potentially toxic levels of aluminum primarily by depositing the metal on its leaf walls. It has a low incidence of pests.

PREVALENCE

Not Common in Coffee Agroforestry

TREE BENEFITS AND USES

FARMER USES

Lumber, **Medicinal**
Used locally to make items such as broom handles, boxes and small artifacts.

FARM SERVICES

Coffee Shade, **Soil Improvement**
Coffee Shade: provides sparse to medium shade
Soil Improvement: the species is an aluminum accumulator and is capable of tolerating potentially toxic levels of aluminum

BIODIVERSITY BENEFITS

YES

It houses insects in leaves and bark that are consumed by insectivorous bird species.

Last Updated: August 15, 2023

Tropical Plants Database, Ken Fern. tropical.theferns.info. 2022-06-23. tropical.theferns.info/viewtropical.php?id=Richeria+grandis;
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;
Murillo-A., J. 2022-7-12. Richeria grandis Vahl En Bernal, R., S.R. Gradstein & M. Celis (eds.). 2015.;
Catálogo de plantas y líquenes de Colombia. Instituto de Ciencias Naturales, Universidad Nacional de Colombia, Bogotá. http://catalogoplantasdecolombia.unal.edu.co;
Mendoza, A. L. M., & Guerrero, M. H. (2010). Catálogo de los árboles y afines de la Selva Central del Perú. Arnaldoa, 17, 203-242.