



TREE SPECIES (SCIENTIFIC NAME)

Persea americana

ENGLISH COMMON NAME

Avocado

INDONESIAN COMMON NAME

Alpukat

TREE FAMILY

LAURACEAE

AVERAGE LEAF SIZE (CM)

8-30cm × **3.5-19cm**
Length Width

ELEVATIONAL RANGE (M)

0-2500M

TREE HEIGHT

SMALL (10-20M)



DISTRIBUTION



EXOTIC IN INDONESIA

NATIVE TO

Region: Americas

EXOTIC IN

SE Asia: Laos, Vietnam

Indonesia: Java, Lesser Sunda Islands, Sulawesi, Sumatra

COFFEE AGROFORESTRY INFORMATION

COFFEE SYSTEM

ROBUSTA **ARABICA**

COFFEE IMPACT

BENEFICIAL TO COFFEE

REGENERATION

REQUIRES PROPAGATION

CULTIVATION

PLANTED

PREVALENCE

COMMON IN COFFEE AGROFORESTRY

TREE MANAGEMENT

Propagated by budding, grafting, and seed. Can be pre-germinated in sand or sawdust then transferred to containers to be grafted and grown to a suitable size for planting. With intensive care can each grafting age within 2-3 months from sowing. Fruit for seed should be picked directly from the tree and should use well-drained pasteurized or sterilized potting media and water from a protected source or disinfected. Only extract seeds from mature trees free of sun-blotch viroid as it is seed-transmitted. Seed loses viability quickly and should be sown within 7 days. To prolong for several months dust seed with a copper fungicide and store in damp sawdust or peat in polythene bags at 4-6 C. Plant 2-3 seeds per site if sowing directly. Select strongest seedling for field grafting. Before planting 10 liters manure and 300 g of phosphorus should be incorporated to 50 cm depth at each planting area and lime or dolomite should be used to raise pH to 5.0-5.8 if necessary. Plant at 6-12 m on the square in planting pattern that allows for thinning to accommodate full-grown trees (i.e. 9 m x 6 m thinned to 12 m x 9 m). Close spacings improve yields for the first 6-8 years but thinning becomes necessary after this period. Long lived species

TREE BENEFITS AND USES

FARMER USES



Food, Livestock Forage, Fuelwood, Lumber, Medicinal

Fruit, vegetable, beverage, and oil used and consumed. It is used for shade and preferred as coffee plant shade. The flesh is used for medicine and the fruit can be sold locally and commercially.

FARM SERVICES



Coffee Shade

BIODIVERSITY BENEFITS

Unknown

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Image: Dulanser Siburian