

TIMBER FACTS

TEAK (*Tectona grandis*)



16 years old Teak at Anatafa, West Kwara'ae, Malaita Province

Uses

Furniture making
Construction
Boat building

Basic density (plantation growth):
650 - 750 kg/m³

Rotation age: 25 - 35 years

Propagation: Easy to grow from seed or obtain cuttings from nursery.

Silviculture: Plant 833 stems/ha (4mx3m), reduce to 400 s/ha at canopy closure and in 100 s/ha increments. Thinning will produce useful timber. Pruning improves quality but not necessary (branches shed naturally).

DEGLUPTA (*Eucalyptus*), kamarere



20 months old Deglupta at Riki Riki Community Forest, Roviana Lagoon, Western Province

Uses

Furniture
Construction

Basic density (plantation growth):
450 - 550 kg/m

Rotation age: 12 - 20 years

Propagation: Quite difficult to raise from seed. Obtain from local nursery.

Silviculture: Plant 800 stems/ha (5mx2.5m) reduce to 400 s/ha at canopy closure and to 200 s/ha at when branches begin to touch. Pruning improves quality but not necessary (many branches shed naturally).

MAHOGANY (*Swietenia macrophylla*), Swim



16 years old Mahogany at Saunaua near Auki, Malaita Province

Uses

Furniture making
Construction

Basic density (plantation growth):
450 - 550 kg/m

Rotation age: 25 - 30 years

Propagation: Easy to raise from seed in the nursery. Direct sowing in the final location is also possible.

Silviculture: Plant 500 stems/ha (10mx2m), reduce to 250 s/ha when the leaves of the branches of neighbouring rows begin to touch. Pruning may be necessary to improve shape after insect attack. Can also be planted in shade so useful for improving natural forest.

ACACIA (*Acacia* spp)



16 years old Acacia mangium at Saenaua near Auki, Malaita Province

Uses

Firewood
Construction

Basic density (plantation growth):
500 - 600 kg/m

Rotation age: 6 - 12 years

Propagation: Easy to grow from seed.

Silviculture: For firewood, plant at close spacing, 2mx2m (2500 trees/ha). Trees can be cut for firewood as soon as the leaves begin to touch. Work through the area removing every 4th tree on an annual basis. Will produce at least 20m³ per hectare per annum.

Ministry of Forests & Research
P.O. Box G24, Honiara Solomon Islands

Proudly sponsored by the Forests Development & Reforestation Division

