



Description

Name: Pakoeli

Family: Guttifereae / Clusiaceae

Botanical name: *Platonia guianensis*, *P. insignis*, *Rheedia* sp.

Common local name: Pakoeli

Common trade name: Bacuri, Wadara

Botanical characteristics

Mature trees can reach a height up to 30 m with stem diameters to 60 – 80 cm. The boles are cylindrical. The leaves are opposite and clustered at branch ends. The flowers are pink-white and they have 5 petals. The fruit is a golden yellow berry that tastes sour-sweet. The bark is dark grey, dead bark varies between 5 and 25 mm and living bark is between 6 and 20 mm thick.

Distribution

Widely distributed in tropical America.

Wood characteristics

The heartwood is dark yellow brown, grayish or pinkish brown merging gradually into the sapwood. The wood has a straight to irregular grain with a medium to coarse texture.

Processing

Sawing difficult due to high silica level.

Drying has risk of distortion.

Durability

Species in Suriname rated durable to attack by decay fungi and fairly resistant to dry-wood termites.

Availability

The production in 2014 was 3,255 m³

Known uses

Furniture, flooring (quarter sawn), heavy construction, and general carpentry. Interior and exterior joinery, flooring, stairs, marine construction.

Technical Information

Name	
Botanical name	<i>Platonia guianensis</i> , <i>P. insignis</i> , <i>Rheedia</i> sp.
Trade name	Bacuri, Wadara
Local name	Pakoelie
The wood	
Color	Dark yellow brown, grayish-or pinkish-brown
Grain	Straight to irregular
Texture	medium to coarse
Green density (kg/m³)	1100
Specific gravity (at 12% MC)	720
Volumetric shrinkage (from green to moisture content of 12%)	16.6% (TS = 10% RS = 5.4%)
Mechanical properties (at a m.c. of 12%)	
Static bending (N/mm²)	147
Compression strength (N/mm²)	73 (sd = 3)
Janka - Hardness (N)	No data (Monnin hardness: 6.2 (sd = 1.8))
Processing properties (1 = poor , 2 = fair , 3 = good , 4 = very good , 5 = excellent)	
Sawing	4
Drying	3
Nailing	4
Gluing	5
Finishing	5
Natural durability	Species in Suriname rated durable to attack by decay fungi and fairly resistant to dry-wood termites
Known uses	Furniture, flooring (quarter sawn), heavy construction, and general carpentry.

TS= Tangential shrinkage / RS= Radial Shrinkage / SD= Standard deviation /
MC=Moisture Content



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