

47. *Hymenaea courbaril* L. - loksi
var. *courbaril*
47a. *Hymenaea oblongifolia* Huber
var. *davisii* (Sandw. Lee & Langenh.)

Synonym (47) : *Hymenaea davisii* **Sandw.**

Family : Leguminosae (Caesalpinioideae)

Vernacular names

Suriname : Rediloksi / Rode lokus
 Guyana : Locust / Kawanari / Moire / Stinking toe
 French Guiana : Courbaril / Loka
 Bolivia : Algarbobo
 Brazil : Jatoba / Copal / Copinol / Jutai
 Colombia : Algarrobo
 Venezuela : Jatahv / Algarrobo
 Peru : Azucar-huayo

International trade name : Courbaril, Jatoba

Occurrence : Suriname, Guianas, Brazil, Venezuela, Colombia, Central America

Tree description

Bole length : bole 18 - 24 m: tree height 30 - 45 m
 Diameter : 0.50 – 1.50 m
 Log shape : straight, cylindrical; tree base swollen or buttressed

Wood description

Sapwood : distinct, whitish to cream white
 Heartwood : orange brown with dark veins or light brown to purplish brown
 Grain : generally straight, sometimes interlocked
 Texture : fine to moderately coarse

Technological characteristics

Physical properties (47)

	<i>H. courbaril</i>	
Green density	(g/cm ³):	1.10
Air dry density at 12% MC	(g/cm ³):	0.87
Total tangential shrinkage	(%) :	8.5
Total radial shrinkage	(%) :	4.4
Total volumetric shrinkage	(%) :	12.6

Mechanical properties (47)

	<i>H. courbaril</i>	
Bending strength at 12% MC	(N/mm ²):	173
Modulus of elasticity (MOE) at 12% MC	(N/mm ²):	19800
Crushing strength at 12% MC	(N/mm ²):	98

Processing

Sawing	: difficult, power required; blunting effect: moderate
Drying	: slow drying recommended; difficult to air-season; US Kiln schedule T3 – C2 for 25-38 mm and T3 – C1 for 50 mm stock
Machining	: special tools recommended
Gluing	: good in dry and interior condition
Nailing	: pre-boring necessary
Finishing	: good
Veneering	: slices well; peeling difficult due to hardness

Natural durability

Decay fungi	: moderate to very good
Termites	: very good
Marine borers	: moderate

Treatability (heartwood) : poor

End uses : exterior and interior joinery, marine constructions, high grade furniture and cabinet work, flooring, stairs, decorative veneer and fittings, turnery, arched articles.



Log shape

Loksi - *Hymenaea courbaril* L. var. *courbaril*