



Northern Silky Oak

SCIENTIFIC: *Cardwellia sublimis*

A.K.A: Qld Silky Oak, Oak, bull oak, silky oak

The glorious heartwood is pale pink to pinkish-brown. Sapwood is usually almost white. With moderately coarse textured and variable grain. Quarter sawn timber shows the decorative oak grain to best effect. The medullary rays that show in quarter sawn timber display the beauty for which this species is renowned. The incredible figured patterns that become evident where there is a slight directional change result in a deep lustrous finish.

HARDNESS

Soft (rated 5 on a 6 class scale) in relation to indentation and ease of working with hand tools.

MACHINING

Machines and turns well to a smooth surface.

FIXING

No difficulty has been experienced with the use of standard fittings and fastenings.

GLUING

Can be satisfactorily bonded using standard procedures.

FINISHING

Will readily accept paint, stain and polish. Because of the open grain in this species, filling may be required before the timber is polished.

CONSTRUCTION

Once used extensively in North Queensland in general house framing, cladding, lining, moulding, joinery (particularly windows) and flooring. Now confined more to joinery applications.

DECORATIVE

Plywood, furniture, outdoor furnishings, joinery, shop and office fittings, turnery, carving, inlay work.

OTHER USES

Has been used for boat building (light), brushware, gunstocks, cooperage, vehicle and coach building.



DENSITY (kg/m ³ dry)	560
MODULUS OF RUPTURE (MPa dry)	65.7
MODULUS OF ELASTICITY (GPa dry)	8.92
RADIAL SHRINKAGE%	1.6
TANGENTIAL SHRINKAGE%	4.7
HARDNESS (Janka)(kN)	6
STABILITY	GOOD
NATURAL DURABILITY. IN/ABOVE GROUND	4/4
SAPWOOD LYCTIDSUSCEPTIBLE	YES
MACHINING	GOOD
RESISTANCE TO SPLIT IN NAILING	GOOD
RESISTANCE TO SPLIT IN SCREWING	GOOD
GLUING	GOOD
GROWING REGION	QLD

