

Araucaria

Fact Sheet



OVERVIEW

HQPlantations sustainably manages 340,000 hectares of forest throughout the state of Queensland including plantations totalling over 209,000 plantable hectares (ha) (516,000 acres). Our plantation estate include native softwood Araucaria plantations over 44,300 ha (109,500 acres).

SPECIES

Known commonly as hoop pine and commercially as Araucaria, *Araucaria cunninghamii* is one of the few endemic rainforest species that has been successfully domesticated for timber production. Over 50 years of genetic improvement in combination with silvicultural regimes (high stocking and pruning) combine to result in knot free and high strength timber. It is drought and pest and disease resistant, but is susceptible to fire.

ARAUCARIA PRODUCTION

Araucaria is generally grown for 45 years or longer and HQPlantations manages the harvest and processing of the trees into a range of log products that gives the best value recovery from each tree. The various log grades are then sorted and distributed from the forest to our various customers.

ARAUCARIA USES

Araucaria is a versatile and beautiful product, ideal for appearance grade applications. It has fine grain and texture, even colour and is easily painted or stained.

Araucaria has exceptional structural properties such as superior strength to weight ratios and dimensional stability.

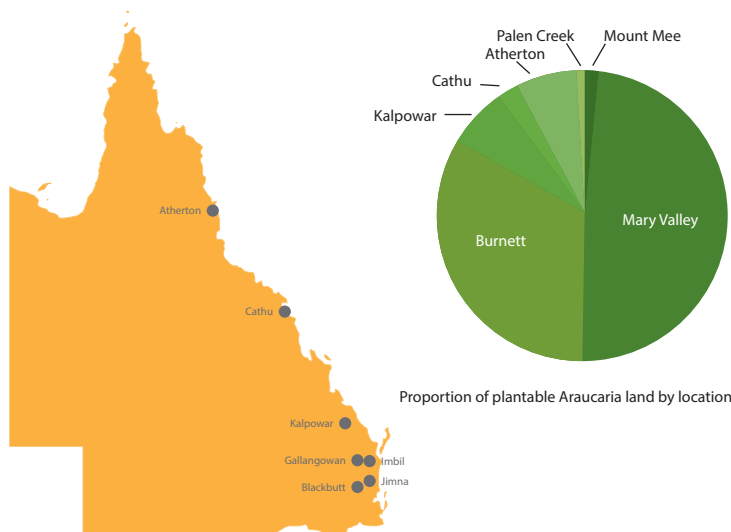
Araucaria is also a food grade timber, with no odour, saps or resins.

High grade solid sawn clearwood Floorboards, joinery and furniture	Veneers and engineered wood Plywood
Structural timber Framing and internal and external beams	Food grade products Ice-cream sticks, toys and baby cots
Mouldings Architrave and skirting boards	Speciality products Musical instruments and boat manufacture

ARAUCARIA PROPERTIES (IN COMPARISON TO OTHER SPECIES*)

PROPERTY	ARAUCARIA	SOUTHERN PINE	RADIATA PINE
Bending Strength (MPa) Modulus of Rupture	90	92-112	79-86
Stiffness (GPa) Modulus of Elasticity	13	12-14	8-10
Density (kg/m ³) at 12% MC	560	410-480	390-420

*Harding et al. 2010, FWPA



FOREST CERTIFICATION

Our forest management practices are independently certified to internationally recognised standards, Responsible Wood (RW/1-21-3) and Forest Stewardship Council® (FSC-C107541), providing customers, stakeholders, neighbours and other forest visitors with the assurance that our forest estate is managed sustainably.

LOCATIONS

Our Araucaria plantations are located in:

- South East Queensland in Mary Valley and Brisbane Valley (around Imbil, Jimna, Gallangowan and Blackbutt)
- Central Queensland at Kalpowar (near Monto) and Cathu (near Mackay)
- North Queensland near Atherton.

FURTHER INFORMATION

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