

# Southern Pine 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 includes the Southern Pine softwood plantations extending over 148,000 plantable hectares (365,715 acres).

## SPECIES

Southern Pine collectively refers to improved varieties derived from species native to southern USA and central America. These include slash pine (*Pinus elliottii* var. *elliottii*), Caribbean pine (*Pinus caribaea* var. *hondurensis*) and hybrids between these species. The hybrid combines the best attributes of both species, including slash pine's excellent straightness, high wood density and tolerance of wetter sites and Caribbean pine's fast growth, fine branching and evenly textured wood. Windfirm varieties are being established in areas prone to cyclones.

## SOUTHERN PINE PRODUCTION

Southern Pines are mainly grown for a minimum of 28 years 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.

## SOUTHERN PINE PRODUCTS

Southern Pine is well respected for its strength and versatility. Southern Pines typically yield higher proportions of higher structural timber grade (i.e. MGP 10, 12 and 15) in comparison to *Pinus radiata*.

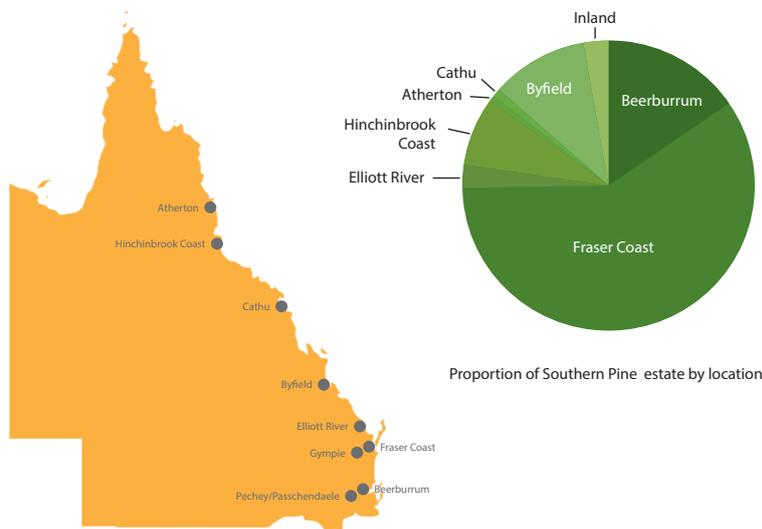
## SOUTHERN PINE PROPERTIES

<b>High grade solid sawn timber</b> Furniture and joinery	<b>Veneers and engineered wood</b> Plywood, cladding, particleboard, beams
<b>Structural timber</b> Framing, flooring and decking, poles	<b>Landscaping</b> Fencing rails and posts, rounds and sleepers
<b>Mouldings</b> Architrave and skirting boards	<b>Secondary product</b> Pallets, crates, wood chip and paper

## (IN COMPARISON TO OTHER SPECIES\*)

PROPERTY	SOUTHERN PINE	ARAUCARIA	RADIATA PINE
Bending Strength (MPa) Modulus of Rupture	92-112	90	79-86
Stiffness (GPa) Modulus of Elasticity	12-14	13	8-10
Density (kg/m <sup>3</sup> ) at 12% MC	410-480	560	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 Southern Pine plantations are mainly in four areas of the state:

- South East Queensland at Beerburrum, Fraser Coast (Tuan and Wongi near Maryborough and Toolara near Gympie) and Elliott River (near Bundaberg)
- Inland from the south-east coast at Passchendaale and Gambubal (near Warwick), Pechey (near Crows Nest) and Esk
- Central Queensland at Byfield (near Yeppoon) and Cathu (near Mackay)
- North Queensland on the Hinchinbrook Coast (near Ingham and Cardwell) and Atherton.

## FURTHER INFORMATION

[www.hqplantations.com.au](http://www.hqplantations.com.au)

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