

HSC 2002 – Industrial Technology

Computer Applications

Band 4/5

Demonstrates a range of computer applications, most of which are appropriate to the development of the major project.



Research



Grain and Texture: Growth rings are not prominent, giving the wood a rather grainless appearance. Texture is very fine and even.

Density: Air dry density is around 530kg/m³

Stability: Hoop Pine remains quite stable in service, due to its low shrinkage.

Durability: The heartwood is non-durable. Although the sapwood is not susceptible to attack from the Lyctus borer, the Hoop Pine borer may attack it in subtropical and tropical regions. Care in drying is needed to avoid blue stain.

Working properties: Hoop Pine is a soft and light timber of moderate strength. It is easily worked with hand and machine tools, with little blunting effect. Screw holding ability and nailing is good. Gluing presents no problems. It is not suitable for steam bending. It can be worked to a clean, smooth surface, and takes most finishes well. Hoop Pine is used in plywood and particleboard manufacture, interior joinery, flooring, boxes and paneling.

Brushbox

Other Common Names: Northern Brushbox

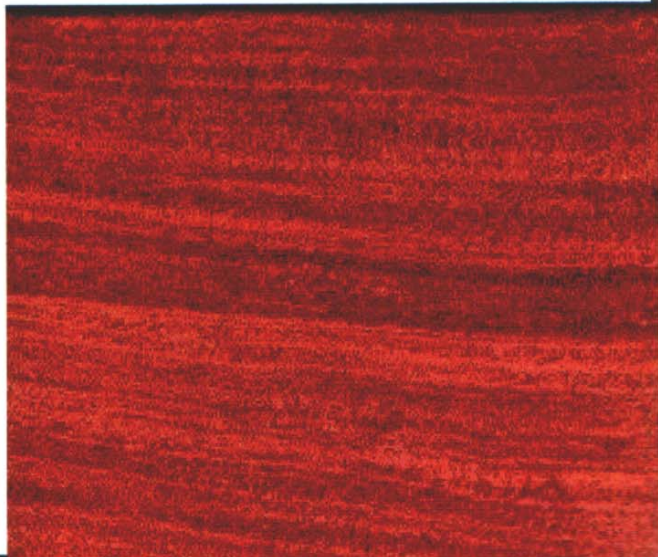
Botanical Name: *Tristania*

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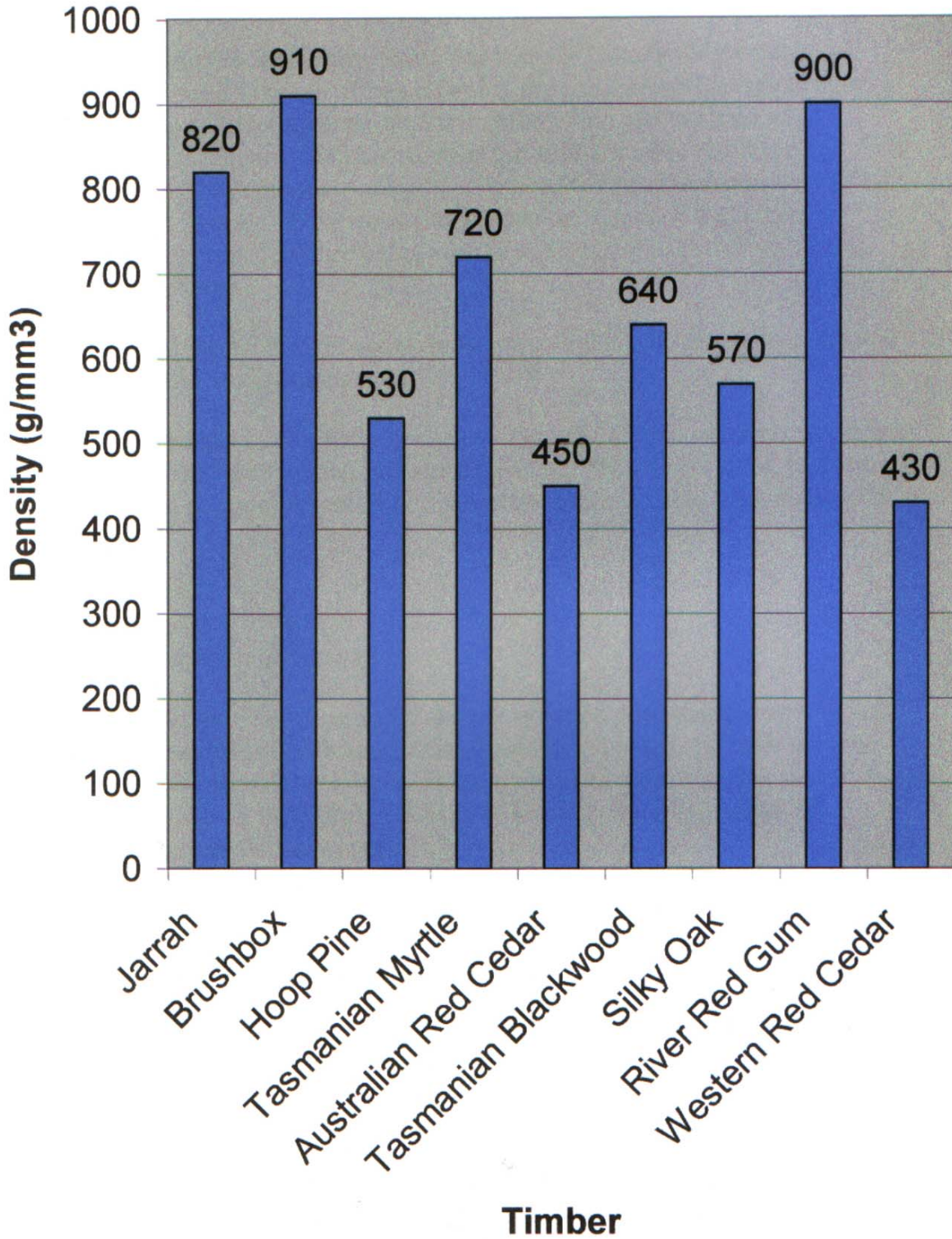
Grows In: Australia & neighbouring through Indonesia & Malaysia.

Grain and Texture: Brushbox is a very lustrous wood with a fair amount of understated flame/curl figure present.

Description: There are two main specie groups being



Density of Timbers Compared



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No.	Description	Qty	L	W	T	Material
	Centre Section of Top	2	2404	489	18	Particleboard
	Centre Section of Top	1	2404	489	16	Particleboard
	Top Veneer	1	2404	489	8	Tasmanian Myrtle
	Underside of Top	1	2404	489	6	Plywood with Maple Crown Veneer
	Top Edgings	9	1800	64	25	Hoop Pine
	Final Side Edgings	1	2477	89	25	Tasmanian Myrtle
	Top and Side Edgings	3	2404	89	25	Tasmanian Myrtle
	Shoulder Vice Beam	1	711	89	73	Silky oak
	Front Edging	1	793	89	25	Tasmanian Myrtle
	Shoulder Vice Jaw	1	336	89	61	Silky oak
	Shoulder Block	6	311	89	54	Silky oak
	End Spline	1	1041	13	25	Marine Plywood
	Spline for Block	2	273	13	25	Marine Plywood
	End Cap Spline	1	527	13	25	Marine Plywood
	Mortises	4	635	64	64	Brushbox
	Mortises	4	550	64	64	Brushbox
	Tenons	6	756	92	44	Brushbox
	Sides of Boxes	4	635	64	18	MarinePlywood
	Top and Bottom of Box	2	870	565	18	Marine Plywood
	Back of Box	1	870	679	18	Marine Plywood
	Back of Box 2	1	690	679	18	Marine Plywood
	Top and Bottom of Box 2	2	870	565	18	Marine Plywood
	Sides of Drawer 1	2	565	73	18	Marine Plywood
	Front of Drawer 1	1	870	73	19	Tasmanian Myrtle
	Back of Drawer 1	1	870	73	18	Marine Plywood
	Front of Drawer 2	1	870	87	19	Tasmanian Myrtle
	Back of Drawer 2	1	870	87	18	Marine Plywood
	Sides of Drawer 2	2	565	87	18	Marine Plywood
	Front of Drawer 3	1	870	101	19	Tasmanian Myrtle
	Back of Drawer 3	1	870	101	18	Marine Plywood
	Sides of Drawer 3	2	565	101	18	Marine Plywood
	Front of Drawer 4	1	870	115	19	Tasmanian Myrtle
	Back of Drawer 4	1	870	115	18	Marine Plywood
	Sides of Drawer 4	2	565	115	18	Marine Plywood
	Front of Drawer 5	1	870	129	19	Tasmanian Myrtle