

hardest woods

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Zone 6 and colder

Wood Species	Janka Hardness (lbf)	Janka Hardness (N)	USDA Hardiness Zone
Osage Orange (<i>Maclura pomifera</i>)	2,760	12,280	5–97
Hickory (<i>Carya</i> spp.)	1,820	8,100	4–81
Sugar Maple (<i>Acer saccharum</i>)	1,450	6,450	3–81
Black Locust (<i>Robinia pseudoacacia</i>)	1,700	7,560	4–81
American Hornbeam (<i>Carpinus caroliniana</i>)	1,860	8,270	3–9

comparison mentally

Wood Species	Janka Hardness (lbf)	Janka Hardness (N)	USDA Hardiness Zone
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Eastern White Pine	380	1,690	3–8
Sugar (Hard) Maple	1,450	6,450	3–8
Red Oak	1,220	5,430	3–8
White Oak	1,360	6,050	3–9
Poplar (Yellow)	540	2,400	4–9
Douglas Fir	710	3,160	4–6
Cherry	950	4,230	4–8
Black Walnut	1,010	4,490	4–9
Hickory	1,820	8,100	4–8
Ash (White)	1,320	5,870	4–9

hardest

all tropical

- add lifespan

Wood Species	Janka Hardness (lbf)	Janka Hardness (N)	USDA Hardiness Zone*
Quebracho (Schinopsis spp.)	4,570	20,340	10–12 (tropical/subtropical)
Lignum Vitae (Guaiacum officinale)	4,390	19,510	10–12 (tropical/subtropical)
Gidgee (Acacia cambagei)	4,270	18,990	9–11 (warm, arid subtropical)
Snakewood (Brosimum guianensis)	3,800	16,900	10–12 (tropical)
Verawood (Bulnesia arborea)	3,710	16,520	10–12 (tropical/subtropical)

Merged Segment (.review/organized/H/Hardest Woods.md)

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