



## *Hamamelis virginiana*

Family: Hamamelidaceae

### Witch Hazel

The genus *Hamamelis* is composed of 6 species native to: North America [3] and temperate east Asia [3].

*Hamamelis virginiana*-Common Witch Hazel, Snapping Hazel, Southern Witch Hazel, Spotted Alder, Winter Bloom

#### Distribution

North America, from Nova Scotia, New Brunswick, Maine and Quebec, west to Ontario, Michigan and Minnesota, south to Iowa, Arkansas, Oklahoma and Texas, and east to Florida.

#### The Tree

Witch Hazel is a fall to winter flowering tree or shrub. It has a thin scaly light brown, bark and small branches which grow in a zigzag manner. The flowers are bisexual with prominent, yellow ribbon like petals. The fruits are small, paired and horned. The tree attains heights of 30 feet and diameters of 1 foot. Witch Hazel grows at forest edges and along streams as an understory species. It grows best in deep, rich soils.

#### The Wood

##### General

The sapwood of Witch Hazel is light brown, with a pinkish hue, while the heartwood is dark brown. The luster is medium and has no odor or taste. It has a medium density, fine texture and straight grain.

##### Mechanical Properties (2-inch standard)

	Specific gravity	MOE x10 <sup>6</sup> lbf/in <sup>2</sup>	MOR lbf/in <sup>2</sup>	Compression		WML <sup>a</sup> in-lbf/in <sup>3</sup>	Hardness lbf	Shear lbf/in <sup>2</sup>
				Parallel lbf/in <sup>2</sup>	Perpendicular lbf/in <sup>2</sup>			
Green	0.56	1.11	8,300	3,400	620	19.5	980	1,120
Dry	0.61	1.46	15,200	6,740	1,370	21.0	1,530	–

<sup>a</sup>WML = Work to maximum load.  
<sup>b</sup>Reference (59).

##### Drying and Shrinkage

Type of shrinkage	Percentage of shrinkage (green to final moisture content)		
	0% MC	6% MC	20% MC
Tangential	–	–	–
Radial	–	–	–
Volumetric	18.8	–	–
Reference (59)			

**Working Properties:** Rather easily worked.

**Durability:** Low

**Preservation:** No information available at this time.

**Uses:** Branches for divining rods, oil from leaves, twigs and bark used for liniments and medicines.

**Toxicity:** No information available at this time.

**Additional Reading and References Cited (in parentheses)**

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- Harry A. Alden, 1994