

The Shumard Oak

~*Quercus shumardii*~

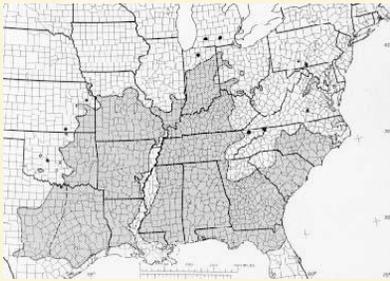
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BOT 155

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9/12/2011

Geographic Range



Found in the Atlantic coast plain to northern Florida, to the western part of Texas. Also found in Mississippi, Oklahoma, Kansas, Missouri, Illinois, Indiana, Ohio, Kentucky, and Tennessee. [2]



Size:

80 ft.-125 ft. tall [1]

Broad open crown [1]

Interesting Fact

The largest Shumard Oak lives in Overton Park Forest, Memphis Tennessee, 190ft. tall, 88ft. wide, and 249in. in circumference. [3]



Life history

The Shumard Oak is native to North America and has been used as a building material and various other uses for years. Although it is susceptible to many fungi and diseases, the Shumard Oak thrives today in western and Central America.

Shumard Oak



Fruit: Acorn; leathery/nut, outer shell called a paricarp.

Leaf Characteristics: Dicot, simple, pinnate venation, bristle-tip, pinnately incised, square base, orbicular shape.
Stem: Alternate, sinuses are very long and deeply U-shaped. [4]



Flower: Zygomorphic, golden color [3], incomplete, monoecious, imperfect, corymbs inflorescence

. Economic Importance . Insects/Fungal Pest . Multiple choice questions .

Economic Importance: The Shumard oak is a key element in construction in housing or for house furniture. Not only that but it is a major food source for many wild animals such as mammals like squirrels and deer or many different birds like turkeys. [1]

Insects/Fungal Pest: Oak wilt- A serious and incurable disease that prevents water and nutrients from spreading throughout the tree. It's the most common disease amongst oaks, [6] Powdery Mildew- Fungi that attacks the leaves, and sometimes the fruit, of plants. Some other diseases are canker diseases, shoestring root, and various other fungi. [5] Some troubling insects for the Shumard oak are leaf miners- Insects that burrow in the leaf of the plant, destroying the venation of the

leaf and therefore preventing nutrients from entering the leaves, and boring insects- insects that burrow in the trunk of the tree. [6]

Multiple Choice Questions:

What is the fruit of the Shumard oak?

- a. Berries
- b. Acorn
- c. Drupe

What is the most common disease of the Shumard oak?

- a. Oak wilt
- b. Leaf miners

References:

- 1: http://www.sfrc.ufl.edu/4h/Shumard_oak/shumaoak.htm
- 2: http://www.na.fs.fed.us/pubs/silvics_manual/volume_2/quercus/shumardii.htm
- 3: http://volusia.org/arboretum/Trees/shumard_oak.htm
- 4: The Illustrated Book of Trees
- 5: http://en.wikipedia.org/wiki/Quercus_shumardii
- 6: http://www.ehow.com/info_8680502_problems-brown-leaves-shumard-oak.html