

Common Name	Botanical Name
Acacia	<i>Acacia spp.</i>
trident maple	<i>Acer buergerianum</i>
big leaf maple	<i>Acer macrophyllum</i>
Box elder	<i>Acer negundo</i>
Japanese maple	<i>Acer palmatum</i>
evergreen maple	<i>Acer paxii</i>
mimosa	<i>Albizia julibrissin</i>
White Alder	<i>Alnus rhambifolia</i>
Red Flowering Gum	<i>Eucalyptus ficifolia</i>
Chinese holly	<i>Ilex cornuta</i>
Liquidambar	<i>Liquidambar styraciflua</i>
avocado	<i>Persea americana</i>
Cal Sycamore	<i>Platanus racemosa</i>
London plane	<i>Platanus x acerifolia</i>
cork oak	<i>Quercus suber</i>
coast live oak	<i>Quercus agrifolia</i>
Engelmann Oak	<i>Quercus engelmannii</i>
Valley oak	<i>Quercus lobata</i>
English oak	<i>Quercus robur</i>
Weeping willow	<i>Salix babylonica</i>
red willow	<i>Salix laevigata</i>
Titoki	<i>Alectryon excelsus</i>
Camelia	<i>Camellia semiserrata</i>
Moreton Bay Chestnut	<i>Castanospermum australe</i>
Brea	<i>Cercidium sonora</i>
Mesquite	<i>Prosopis articulata</i>
castor bean	<i>Ricinus communis</i>
Blue palo verde	<i>Cercidium floridum</i>
Coral tree	<i>Erythrina corallodendron</i>
Palo verde	<i>Parkinsonia aculeata</i>
Cottonwood	<i>Populus fremontii</i>

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UFEI > SelecTree > Tree Detail Record - *Acacia baileyana*

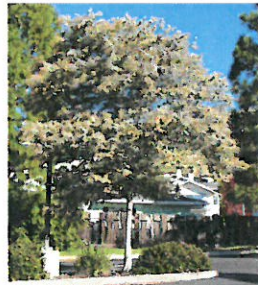
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BAILEY ACACIA *Acacia baileyana*

General Notes

Bailey acacia grows best in light, well-drained, fertile soil. Acacia is an attractive low water use shrub or small tree, which has a showy spring flowering quality, as well as its distinctive, evergreen, feathery foliage. Its roots may be invasive in residential garden settings, but is effective as a soil stabilizer. It may require regularly scheduled light top-trimming (but not necessarily shearing) of vigorous top shoots to maintain its height below 25'. Has fragrant flower. Native to New South Wales, Australia.

An *Acacia baileyana* in Gilroy is registered as a California Big Tree. It measures 46 feet high, with a trunk circumference of 115 inches and a crown spread of 65 feet.

List all [Fabaceae](#) | [Acacia](#)

Acacia baileyana - [Fabaceae](#)

Synonyms:

Common Names: Bailey Acacia, Cootamundra Wattle, Golden Mimosa Tree

Native To: New South Wales, Australia

Habit: Compact and Erect or Spreading with a Low Canopy. Has Evergreen foliage.

Shape: Rounded

Sunset Zones: 7 - 9 and 13 - 24

USDA Hardiness Zones: 8 - 10

Exposure: Full Sun to Partial Shade

Water Needs: Moist to Dry and Well Drained Soil. Drought tolerant.

Soil Type: Clay, Loam or Sand

Soil pH: Slightly Acidic to Highly Alkaline

Salinity Tolerance: Good Inland

Seaside Tolerance: Good in Mild Zone

Height: 20 - 30 feet

Canopy Width: 20 - 40 feet

Growth Rate: Over 36 inches per Season

Landscape Use: Screen

Longevity: Less than 50 years

Leaves: Bipinnately Compound Blue Green. Evergreen.

Flowers: Showy, Fragrant, Yellow. Flowers in Spring or Winter. Has perfect flowers (male and female parts in each flower).

Fruit: Brown Pod, Large (1.50 - 3.00 inches), fruiting in Fall, Winter or Summer.

Bark: Dark Gray or Light Gray, Furrowed or Smooth

Pest & Disease: Susceptible to Thrip, Phytophthora

Shading Capacity: Rated as Moderate in Leaf

Branch Strength: Rated as Weak

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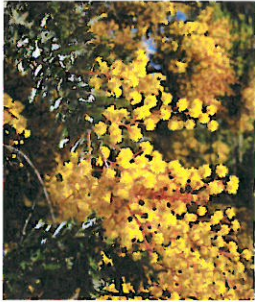
- Attributes Defined
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Litter Issue: Dry Fruit
Root Damage Potential: Rated as Moderate
Health Hazard: Allergy
Biogenic Emissions: Moderate

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SelecTree. "Acacia baileyana Tree Record." 1995-2014. Sep 16, 2014.
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UFEI > SelecTree > Tree Detail Record - *Acer buergerianum*

SelecTree - Tree Detail Record

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TRIDENT MAPLE *Acer buergerianum*

General Notes

Utility friendly tree. Trident Maple is a very attractive small maple, effective as a lawn specimen, patio or shade tree. It has interesting flaky bark, and has a neat appearance, except for the hanging seeds in the winter. It tolerates most soils, with light to moderate moisture, and is quite dependable once established. It may require regularly scheduled light top-trimming (but not necessarily shearing) of vigorous top shoots to maintain its height below 25'. Native to China and Japan.

[List all Sapindaceae | Acer](#)

Acer buergerianum - Sapindaceae

Synonyms: *Acer buergeranum*

Previously listed in the *Aceraceae* family.

Common Names: Trident Maple, Three-Toothed Maple

Native To: China and Japan

Habit: Spreading with a Low Canopy.
Has Deciduous foliage.

Shape: Oval or Rounded

Sunset Zones: 2 - 9, 14 - 17 and 20, 21

USDA Hardiness Zones: 5 - 10

Exposure: Full Sun to Full Shade

Water Needs: Moist Soil

Soil Type: Clay, Loam or Sand

Soil pH: Highly Acidic to Highly Alkaline

Seaside Tolerance: Good in Mild Zone

Height: 20 - 25 feet

Canopy Width: 20 - 25 feet

Growth Rate: 36 Inches per Season

Landscape Use: Screen, Bonsai

Longevity: 50 to 150 years

Leaves: Lobed and Palmate Medium to Light Green. Gold or Red in Fall. Deciduous.

Flowers: Yellow. Flowers in Spring. Has separate male and female flowers on the same tree (monoecious).

Fruit: Brown or Yellow Winged Seed, Medium (0.50 - 1.50 inches), fruiting in Summer.

Bark: Light Green or Light Gray, Exfoliating

Pest & Disease: Susceptible to Aphids, Root Rot and Verticillium

Shading Capacity: Rated as Moderate in Leaf and Moderate out of Leaf.

Branch Strength: Rated as Medium

Litter Issue: Dry Fruit

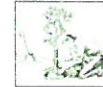
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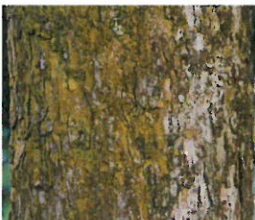
Root Damage Potential: Rated as Low

Health Hazard: None Known

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UFEI > SelecTree > Tree Detail Record - *Acer macrophyllum*

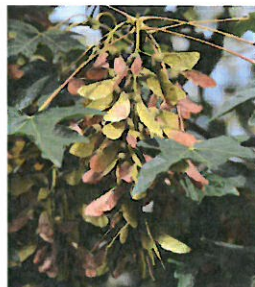
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BIGLEAF MAPLE *Acer macrophyllum*

General Notes

Resistant to oak root fungus. Susceptible to powdery mildew. Some forms are quite drought tolerant. Sudden Oak Death manifested as leaf spot. Has fragrant flower. Native to Western Coast United States.

An *Acer macrophyllum* in Los Altos Hills is registered as a California Big Tree. It measures 61 feet high, with a trunk circumference of 174 inches and a crown spread of 76 feet.

List all *Sapindaceae* | *Acer*

Acer macrophyllum - *Sapindaceae*

Synonyms:

Previously listed in the *Aceraceae* family.
Common Names: Bigleaf Maple, Oregon Maple
Native To: Western Coast United States

Habit: Erect or Spreading and requires ample growing space.
Has Deciduous foliage.

Shape: Oval or Rounded

Sunset Zones: 2 - 9 and 14 - 24

USDA Hardiness Zones: 5 - 9

Exposure: Full Sun to Full Shade

Water Needs: Moist Soil. Drought tolerant.

Soil Type: Loam or Sand

Soil pH: Highly Acidic to Slightly Alkaline

Seaside Tolerance: Good in Mild Zone

Height: 30 - 75 feet

Canopy Width: 30 - 50 feet

Growth Rate: 36 Inches per Season

Landscape Use: Riparian

Longevity: Greater than 150 years

Leaves: Palmate Medium Green. Gold in Fall. Deciduous.

Flowers: Inconspicuous, Fragrant, Yellow. Flowers in Spring. Has separate male and female flowers on the same tree (monoecious).

Fruit: Brown or Mostly Green Winged Seed, Large (1.50 - 3.00 inches), fruiting in Winter or Summer.

Bark: Red Brown, Fissured

Pest & Disease: Resistant to Oak Root Fungus. Susceptible to Beetle Borers, California Flathead Borer and Caterpillars, Sudden Oak Death, Root Rot, Oak Root Rot, Annosus Root Disease, White Mottled Rot, Leaf Spot and Verticillium [More information ...](#)

Shading Capacity: Rated as Dense in Leaf and Moderate out of Leaf.

Branch Strength: Rated as Medium

Litter Issue: Dry Fruit

Root Damage Potential: Rated as High

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Health Hazard: Allergy
Biogenic Emissions: Moderate
Fire Resistance: Favorable

Cite This Page:

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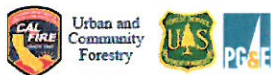
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[Urban Tree Key](#)

[ForesTree](#)

[Big Trees](#)

[Urban Wood](#)

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SelecTree - Tree Detail Record

Tree Selection Starts Here

- Search Results
- Tree Photos
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BOX ELDER *Acer negundo*

General Notes

Grows best in fairly rich, moist, well-drained loam. Tolerates smog. Suckers and reseeds profusely. *A. negundo* subsp. *californicum* has larger, velvety leaves than the main species. Has fragrant bark. Native to California. Trees may be referred to as male or female.

An *Acer negundo* in Oak Glen is registered as a California Big Tree. It measures 49 feet high, with a trunk circumference of 228 inches and a crown spread of 74 feet.

List all *Sapindaceae* | *Acer*



Acer negundo - *Sapindaceae*

Native To: California

Habit: Erect or Spreading and requires ample growing space. Has Deciduous foliage.

Shape: Rounded or Umbrella

Sunset Zones: 1 - 10 and 12 - 24

USDA Hardiness Zones: 5 - 8

Exposure: Full Sun to Partial Shade

Water Needs: Wet to Moist and Well Drained Soil

Soil Type: Loam or Sand

Soil pH: Highly Acidic to Highly Alkaline

Seaside Tolerance: Good in Mild Zone

Height: May reach 60 feet

Canopy Width: 50 feet

Growth Rate: Over 36 Inches per Season

Landscape Use: Riparian

Longevity: 50 to 150 years

Leaves: Pinnately Compound Odd Light Green. Gold in Fall. Deciduous.

Flowers: Inconspicuous, Green. Flowers in Spring. Has either male or female flowers (dioecious). Trees may be sold as male or female.

Fruit: Prolific, Beige or Red Winged Seed, Medium (0.50 - 1.50 inches), fruiting in Summer.

Bark: Black or Dark Gray, Blocky or Furrowed

Pest & Disease: Susceptible to Aphids and Beetle Borers, Branch Blight, Fusarium, Powdery Mildew, Root Rot and Verticillium [More information ...](#)

Shading Capacity: Rated as Dense in Leaf and Moderate out of Leaf.

Branch Strength: Rated as Weak

Litter Issue: Dry Fruit and Twigs

Root Damage Potential: Rated as Moderate

Health Hazard: Allergy and Irritant

Biogenic Emissions: Moderate

Fire Resistance: Favorable

Tree Standards & Specs

[About SelecTree](#)

[News Listings](#)

[Contact Info](#)

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NAVIGATION

Explore UFB:

UFEI Home

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Select Trees by Attribute

Right Tree Right Place

All Trees List

Urban Tree Key

Forest Tree

Big Trees

Urban Wood

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Search Results:*

(10) matching trees

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UFEI > SelecTree > Tree Detail Record - *Acer palmatum*

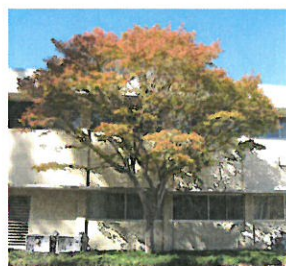
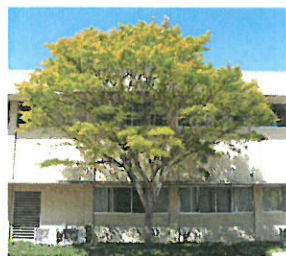
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JAPANESE MAPLE

Acer palmatum

General Notes

Utility friendly tree. Japanese Maple is a commonly used accent tree in lawns or moderately moist settings, beneath an overstory of taller shade trees, and as a residential patio tree. It prefers a moist, well-drained loam with plenty of added humus. It is resistant to oak root fungus and green- leaf varieties can tolerate more sun. There are a multitude of hybrids, including variegated, laceleaf, miniature and purple-leaved varieties. Varieties 'Atropurpureum' and 'Bloodgood' may eventually require regularly scheduled light top-trimming (but not necessarily shearing) of vigorous top shoots to maintain heights below 25'. Native to Japan and Korea.

An *Acer palmatum* in Cap. Park is registered as a California Big Tree. It measures 37 feet high, with a trunk circumference of 74 inches and a crown spread of 46 feet.

List all *Sapindaceae* | *Acer*

Acer palmatum - *Sapindaceae*

Native To: Japan and Korea

Habit: Erect or Spreading with a Low Canopy. Has Deciduous foliage.

Shape: Rounded, Umbrella or Vase

Sunset Zones: 2 - 10, 12 and 14 - 24

USDA Hardiness Zones: 6 - 8

Exposure: Partial Shade to Full Shade

Water Needs: Moist but Well Drained Soil

Soil Type: Clay, Loam or Sand

Soil pH: Highly Acidic to Slightly Alkaline

Seaside Tolerance: Good in Mild Zone

Height: 25 feet

Canopy Width: 30 feet

Growth Rate: 12 to 24 Inches per Season

Landscape Use: Screen, Bonsai

Longevity: 50 to 150 years

Leaves: Palmate Light to Medium Green, Bronze or Purple. Red, Gold, Orange or Multicolored in Fall. Deciduous.

Flowers: Inconspicuous, Purple. Flowers in Spring. Has separate male and female flowers on the same tree (monoecious).

Fruit: Brown Winged Seed, Medium (0.50 - 1.50 inches), fruiting in Summer.

Bark: Green, Light Green, Light Gray or Red Brown, Furrowed or Smooth

Pest & Disease: Resistant to Oak Root Fungus. Susceptible to Aphids, Root Rot and Verticillium

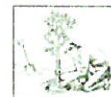
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[News Listings](#)

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- Search Help

UFEI - SelecTree - Tree Detail Record - *Acer palmatum*



Shading Capacity: Rated as Low to Moderately Dense in Leaf and Low out of Leaf.

Branch Strength: Rated as Medium

Litter Issue: Dry Fruit

Root Damage Potential: Rated as Low

Health Hazard: Allergy

Biogenic Emissions: Moderate

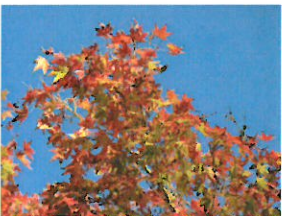
Fire Resistance: Favorable



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Search Results:*

(1) matching tree

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UFEI > SelecTree > Tree Detail Record - *Acer paxii*

SelecTree - Tree Detail Record

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EVERGREEN MAPLE *Acer paxii*

General Notes

One of the few evergreen maples grown in California. Native to Southwestern China.

[List all Sapindaceae | Acer](#)

Acer paxii - Sapindaceae

Native To: Southwestern China

Habit: Erect or Spreading with a Low Canopy.
Has Evergreen foliage.

Shape: Rounded

Sunset Zones: 8, 9 and 14 - 24

USDA Hardiness Zones: 8

Exposure: Partial Shade

Water Needs: Moist Soil

Soil Type: Loam

Soil pH: Highly Acidic to Highly Alkaline

Seaside Tolerance: Good in Mild Zone

Height: 35 feet

Growth Rate: 12 Inches per Season

Landscape Use: Screen

Longevity: 50 to 150 years

Leaves: Lobed and Palmate Medium to Light Green. Evergreen.

Flowers: Inconspicuous. Flowers in Spring. Has separate male and female flowers on the same tree (monoecious).

Fruit: Purple Winged Seed, Medium (0.50 - 1.50 inches), fruiting in Summer.

Bark: Dark Gray or Light Gray, Furrowed or Smooth

Pest & Disease: Susceptible to Aphids, Root Rot and Verticillium

Shading Capacity: Rated as Dense in Leaf

Branch Strength: Rated as Medium

Litter Issue: Dry Fruit

Root Damage Potential: Rated as Low

Health Hazard: Allergy

Cite This Page:

SelecTree. "*Acer paxii* Tree Record." 1995-2014. Sep 16, 2014.

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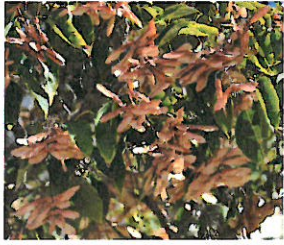
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All Trees List

Urban Tree Key

Forest Tree

Big Trees

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(3) matching trees

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UFEI > SelecTree > Tree Detail Record - *Albizia julibrissin*

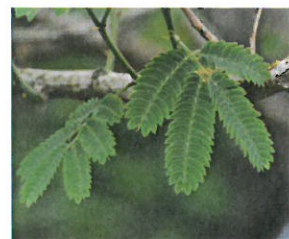
SelecTree - Tree Detail Record

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SILK TREE *Albizia julibrissin*

General Notes

Fast growing, but messy because of fruit and flower litter. Caterpillars are more of a problem back east than in California. Shade tree tolerant of a variety of conditions. Native to Southwestern and Eastern Asia.

An *Albizia julibrissin* in Bakersfield is registered as a California Big Tree. It measures 43 feet high, with a trunk circumference of 80 inches and a crown spread of 48 feet.

List all *Fabaceae* | *Albizia*

Albizia julibrissin - *Fabaceae*

Synonyms:

Common Names: Silk Tree, Mimosa Tree, Pink Siris, Persian Silk Tree

Native To: Southwestern and Eastern Asia

Habit: Spreading with a Low Canopy. Has Deciduous foliage.

Shape: Rounded, Umbrella or Vase

Sunset Zones: 4 - 23

USDA Hardiness Zones: 6 - 9

Exposure: Full Sun to Partial Shade

Water Needs: Moist to Dry Soil

Soil Type: Clay, Loam or Sand

Soil pH: Highly Acidic to Highly Alkaline

Seaside Tolerance: Good in Mild Zone

Height: 20 - 35 feet

Canopy Width: 20 feet

Growth Rate: 36 Inches per Season

Landscape Use: Shade Tree, Street Tree or Screen

Longevity: Less than 50 years

Leaves: Bipinnately Compound Light Green. Bronze or Gold in Fall. Deciduous.

Flowers: Showy, Pink or Rose. Flowers in Spring or Summer. Has perfect flowers (male and female parts in each flower).

Fruit: Prolific, Brown Pod, Very Large (Over 3.00 inches), fruiting in Fall, Winter or Summer.

Bark: Dark Gray, Smooth

Pest & Disease: Susceptible to Caterpillars, Fusarium and Root Rot

Shading Capacity: Rated as Low to Moderately Dense in Leaf and Low out of Leaf.

Branch Strength: Rated as Medium Weak

Litter Issue: Flowers and Dry Fruit

Root Damage Potential: Rated as Moderate

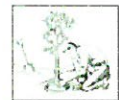
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News Listings

Contact Info

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- Attributes Defined
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Health Hazard: Allergy
Biogenic Emissions: Moderate

Cite This Page:

SelecTree. "Albizia julibrissin Tree Record." 1995-2014. Sep 16, 2014.

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All Trees List

Urban Tree Key

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Urban Wood

Tree Attribute Info

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- Add or Edit Attributes

Search Results:*

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UFBI > SelecTree > Tree Detail Record - *Alnus rhombifolia*

SelecTree - Tree Detail Record

Tree Selection Starts Here

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WHITE ALDER *Alnus rhombifolia*

General Notes

Relatively tolerant of heat and wind in landscaped areas. Native to California, Western North America from the Sierra Nevada to Montana.

An *Alnus rhombifolia* in Springville (SCICON) is registered as a California Big Tree. It measures 75 feet high, with a trunk circumference of 111 inches and a crown spread of 36 feet.

List all *Betulaceae* | *Alnus*

Alnus rhombifolia - *Betulaceae*

Native To: California, Western North America from the Sierra Nevada to Montana

Habit: Erect or Spreading and requires ample growing space. Has Deciduous foliage.

Shape: Conical

Sunset Zones: 1 - 10 and 14 - 21

USDA Hardiness Zones: 8 - 11

Exposure: Full Sun to Partial Shade

Water Needs: Wet to Moist Soil

Soil Type: Clay, Loam or Sand

Soil pH: Highly Acidic to Slightly Alkaline

Seaside Tolerance: Good in Mild Zone

Height: 50 - 90 feet

Canopy Width: 40 - 70 feet

Growth Rate: Over 36 Inches per Season

Landscape Use: Riparian

Longevity: 40 to 150 years

Leaves: Rhomboidal Medium to Dark Green. Bronze or No Change in Fall. Deciduous.

Flowers: Inconspicuous, Green or Yellow. Flowers in Spring. Has separate male and female flowers on the same tree (monoecious).

Cone: Prolific, Brown or Orange Medium (0.50 - 1.50 inches), fruiting in Fall, Winter or Summer.

Bark: Light Gray, Fissured

Pest & Disease: Susceptible to Aphids, Beetle Borers, Caterpillars and Spider Mites, Powdery Mildew **More information ...**

Shading Capacity: Rated as Dense in Leaf and Moderate to Dense out of Leaf.

Branch Strength: Rated as Medium

Litter Issue: Dry Fruit

Root Damage Potential: Rated as High

Health Hazard: Allergy

Fire Resistance: Favorable

Tree Standards & Specs

About SelecTree

News Listings

Contact Info

Right Tree Right Place



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 Search Help



Cite This Page:

SelectTree. "*Alnus rhombifolia* Tree Record." 1995-2014. Sep 16, 2014.

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[SelectTree](#)

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[All Trees List](#)

[Urban Tree Key](#)

[Forest Tree](#)

[Big Trees](#)

[Urban Wood](#)

Tree Attribute Info

- [Attributes Defined](#)
- [Add or Edit Attributes](#)

Search Results:*

(1) matching tree

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UFEI > SelectTree > Tree Detail Record - *Corymbia ficifolia*

SelectTree - Tree Detail Record

Tree Selection Starts Here

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RED FLOWERING GUM *Corymbia ficifolia*

General Notes

Red flowering gum is very desirable as a flowering accent tree, with its profusion of bright flower clusters in late summer, and sporadically throughout the year. It prefers temperate coastal conditions, where it tolerates dryness and salt spray. It is drought and smog tolerant. Hardiness estimate : 25-30 degrees F. Leaves have no dot glands when held up to the light (see photo). Has fragrant leaf. Native to Western Australia.

List all *Myrtaceae* | *Corymbia*

Corymbia ficifolia - Myrtaceae

Synonyms: *Eucalyptus ficifolia*

Common Names: Red Flowering Gum, Scarlet Gum

Native To: Western Australia

Habit: Erect or Spreading with a Low Canopy.
Has Evergreen foliage.

Shape: Rounded

Sunset Zones: 5 - 6 and 8 - 24

USDA Hardiness Zones: 9 - 10

Exposure: Full Sun to Partial Shade

Water Needs: Moist to Dry Soil. Drought tolerant.

Soil Type: Loam or Sand

Soil pH: Slightly Acidic to Highly Alkaline

Salinity Tolerance: Moderate on Coast

Seaside Tolerance: Good in Moderate Zone

Height: 35 feet

Growth Rate: 24 Inches per Season

Landscape Use: Screen

Longevity: 50 to 150 years

Leaves: Ovate Dark Green. Evergreen.

Flowers: Showy, Orange, Pink, Red or Rose. Flowers in Fall, Winter, Spring or Summer. Has perfect flowers (male and female parts in each flower).

Fruit: Brown Capsule, Medium (0.50 - 1.50 inches), fruiting in Spring, Summer or Fall. Wildlife use it.

Bark: Light Gray or Red Brown, Exfoliating or Furrowed

Pest & Disease: Resistant to Texas Root Rot and Verticillium. Susceptible to Beetle Borers and Thrip, Oak Root Rot, Phytophthora and Root Rot

Shading Capacity: Rated as Dense in Leaf

Branch Strength: Rated as Medium

Tree Standards & Specs

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[News Listings](#)

[Contact Info](#)

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Attributes Defined
 Search Help



Litter Issue: Dry Fruit

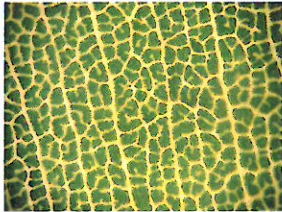
Root Damage Potential: Rated as Moderate

Health Hazard: None Known

Cite This Page:

SelecTree. "*Corymbia ficifolia* Tree Record." 1995-2014, Sep 16, 2014.

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- [Attributes Defined](#)
- [Add or Edit Attributes](#)

Search Results:*

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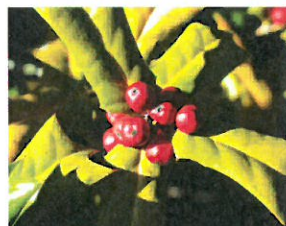
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UFEI > SelecTree > Tree Detail Record - *Ilex cornuta*

SelecTree - Tree Detail Record

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Photo Credits:

W. Mark and J. Reimer

Photo Locations:

The National Arboretum - Washington, DC

CHINESE HOLLY *Ilex cornuta*

General Notes

Utility friendly tree. Needs long, warm growing season to develop fruit. Some dwarf varieties require pollinator to produce berries. Has thorns. Native to China and Korea. Trees may be referred to as male or female.

 [List all *Aquifoliaceae* | *Ilex*](#)
Ilex cornuta - *Aquifoliaceae*

Native To: China and Korea

Habit: Compact and Erect
Has Evergreen foliage.

Shape: Oval or Rounded**Sunset Zones:** 3 - 24**USDA Hardiness Zones:** 7 - 9**Exposure:** Full Sun to Partial Shade**Water Needs:** Moist Soil**Soil Type:** Clay, Loam or Sand**Soil pH:** Slightly Acidic to Slightly Alkaline**Seaside Tolerance:** Not Suited**Height:** 20 feet**Growth Rate:** 24 Inches per Season**Landscape Use:** Screen, Hedged or Topiary**Longevity:** 50 to 150 years**Leaves:** Rectangular Glossy Medium Green. Evergreen.

Flowers: Inconspicuous, White. Flowers in Spring. Has either male or female flowers (dioecious). Trees may be sold as male or female.

Fruit: Prolific, Red Drupe, Small (0.25 - 0.50 inches), fruiting in Fall or Winter. Wildlife use it.

Bark: Dark Gray, Light Gray or Light Green, Smooth

Pest & Disease: Resistant to Verticillium. Susceptible to Leaf Miner, Mealy Bugs and Scales, Sooty Mold

Shading Capacity: Rated as Dense in Leaf**Branch Strength:** Rated as Medium**Litter Issue:** Wet Fruit**Root Damage Potential:** Rated as Low**Health Hazard:** Allergy

Cite This Page:

SelecTree. "*Ilex cornuta* Tree Record." 1995-2014. Sep 16, 2014.< <http://selectree.calpoly.edu/treedetail.lasso?rid=724> >
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Right Place**


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- [Attributes Defined](#)
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[All Trees List](#)

[Urban Tree Key](#)

[ForesTree](#)

[Big Trees](#)

[Urban Wood](#)

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- [Attributes Defined](#)
- [Add or Edit Attributes](#)

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UFEI > SelecTree > Tree Detail Record - *Liquidambar styraciflua*

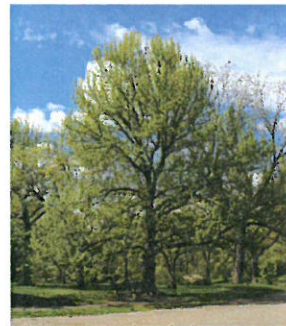
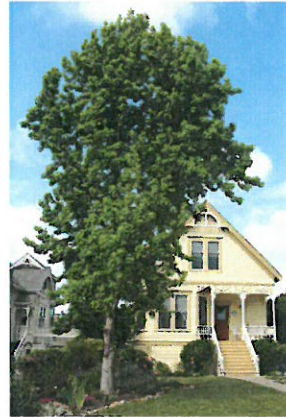
SelecTree - Tree Detail Record

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AMERICAN SWEETGUM *Liquidambar styraciflua*

General Notes

Resistant to oak root fungus. Native to Eastern United States.

A *Liquidambar styraciflua* in Sacramento is registered as a California Big Tree. It measures 100 feet high, with a trunk circumference of 172 inches and a crown spread of 68 feet.

List all *Hamamelidaceae* | *Liquidambar*

Liquidambar styraciflua - *Hamamelidaceae*

Synonyms:

Common Names: American Sweetgum, Liquidambar

Native To: Eastern United States

Habit: Erect or Spreading and requires ample growing space. Has Deciduous foliage.

Shape: Conical

Sunset Zones: 3 - 9 and 14 - 24

USDA Hardiness Zones: 5 - 10

Exposure: Full Sun to Partial Shade

Water Needs: Wet to Dry Soil

Soil Type: Clay, Loam or Sand

Soil pH: Highly Acidic to Slightly Alkaline

Seaside Tolerance: Good in Mild Zone

Height: 80 feet

Canopy Width: 40 feet

Growth Rate: 24 to 36 Inches per Season

Landscape Use: Riparian

Longevity: Greater than 150 years

Leaves: Lobed and Palmate Dark Green. Red, Gold, Purple or Multicolored in Fall. Deciduous.

Flowers: Inconspicuous. Flowers in Spring. Has separate male and female flowers on the same tree (monoecious).

Fruit: Prolific, Brown, Beige or Mostly Green Capsule with Winged Seeds, Large (1.50 - 3.00 inches), fruiting in Fall. Wildlife use it.

Bark: Light Green or Light Gray, Furrowed

Pest & Disease: Resistant to Oak Root Fungus and Verticillium. Susceptible to Aphids, Caterpillars, Scales and Spider Mites, Anthracnose, Chlorosis and Sooty Mold

Shading Capacity: Rated as Moderate in Leaf and Moderate out of Leaf.

Branch Strength: Rated as Medium

Litter Issue: Dry Fruit

Root Damage Potential: Rated as High

Health Hazard: None Known

Biogenic Emissions: High

Tree Standards & Specs

[About SelecTree](#)

[News Listings](#)

[Contact Info](#)

Right Tree Right Place



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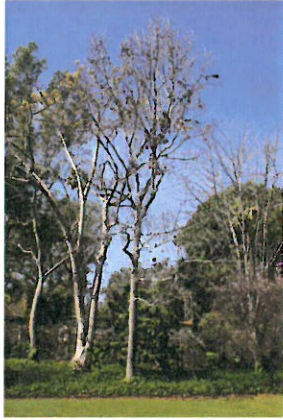
Fire Resistance: Favorable



Cite This Page:

SelecTree. "*Liquidambar styraciflua* Tree Record." 1995-2014. Sep 16, 2014.

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[Right Tree Right Place](#)

[All Trees List](#)

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[ForesTree](#)

[Big Trees](#)

[Urban Wood](#)

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- [Attributes Defined](#)
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Search Results:*

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***Based on last search**

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UFEI > SelecTree > Tree Detail Record - *Persea americana*

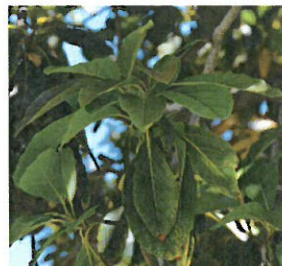
SelecTree - Tree Detail Record

Tree Selection Starts Here

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AVOCADO *Persea americana*

General Notes

Branches don't droop but are susceptible to breakage. Native to Central Mexico.

A *Persea americana* in San Juan Capistrano is registered as a California Big Tree. It measures 72 feet high, with a trunk circumference of 185 inches and a crown spread of 59 feet.

[List all Lauraceae | Persea](#)

Persea americana - Lauraceae

Synonyms:

Common Names: Avocado, Mexican Avocado

Native To: Central Mexico

Habit:

Has Evergreen foliage.

Shape: Oval

USDA Hardiness Zones: 10 - 11

Exposure: Full Sun to Partial Shade

Water Needs: Well Drained Soil

Soil Type: Clay, Loam or Sand

Soil pH: Acidic to Alkaline

Height: 50 feet

Growth Rate: 24 or More Inches per Season

Landscape Use: Specimen or Shade Tree

Leaves: Green. No Change in Fall. Evergreen.

Flowers: Showy, Green. Flowers in Spring or Winter. Has perfect flowers (male and female parts in each flower).

Fruit: Persistent, Green or Purple Edible.

Pest & Disease: Susceptible to Mites and Scales, Root Rot and Leaf Spot

Shading Capacity: Rated as Low to Moderately Low in Leaf

Litter Issue: Fruit and Leaves

Root Damage Potential: Rated as Low

Biogenic Emissions: Low

Wildlife Notes:

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SelecTree. "*Persea americana* Tree Record." 1995-2014. Sep 16, 2014.

< <http://selectree.calpoly.edu/treedetail.lasso?rid=995> >

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[News Listings](#)

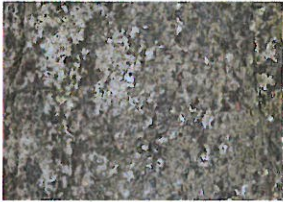
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Photo Locations:

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CA, Los Angeles County
Arboretum - Arcadia, CA and
Kula Botanical Garden - HI

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Urban Wood

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Search Results:*

(2) matching trees

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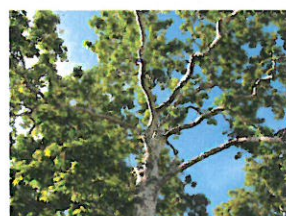
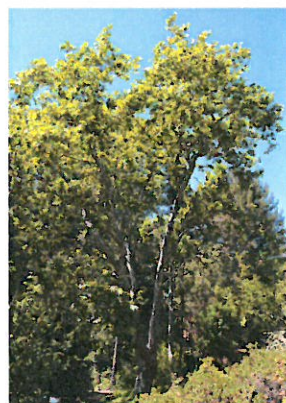
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UFEI > SelecTree > Tree Detail Record - *Platanus racemosa*

SelecTree - Tree Detail Record

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 Search Results
 Tree Photos
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CALIFORNIA SYCAMORE

Platanus racemosa

General Notes

A California native riparian tree; tolerates extreme heat and wind. Native to California.

A *Platanus racemosa* in Goleta, CA is registered as a California Big Tree. It measures 94 feet high, with a trunk circumference of 626 inches and a crown spread of 95.5 feet.

 List all *Platanaceae* | *Platanus*
Platanus racemosa - *Platanaceae*

Native To: California

Habit: Erect or Spreading and requires ample growing space. Has Deciduous foliage.

Shape: Oval, Rounded or Umbrella**Sunset Zones:** 4 - 24**USDA Hardiness Zones:** 7 - 10**Exposure:** Full Sun to Partial Shade**Water Needs:** Moist to Dry Soil**Soil Type:** Clay, Loam or Sand**Soil pH:** Highly Acidic to Highly Alkaline**Salinity Tolerance:** Good Inland**Seaside Tolerance:** Good in Mild Zone**Height:** 30 - 80 feet**Canopy Width:** 20 - 50 feet**Growth Rate:** 36 Inches per Season**Landscape Use:** Riparian**Longevity:** Greater than 150 years**Leaves:** Palmate Light Green. Bronze in Fall. Deciduous.

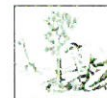
Flowers: Inconspicuous. Flowers in Spring. Has separate male and female flowers on the same tree (monoecious).

Fruit: Prolific, Brown or Mostly Green Achene, Medium (0.50 - 1.50 inches), fruiting in Summer or Fall.

Bark: Striking, Cream or Light Green, Exfoliating, Furrowed or Smooth

Pest & Disease: Resistant to Verticillium. Susceptible to Leaf Miner, Scales and Spider Mites, Anthracnose, Oak Root Rot, Phytophthora, Mistletoe, Apignomonina venata and Root Rot [More information ...](#)

Shading Capacity: Rated as Dense in Leaf and Moderate out of Leaf.

Branch Strength: Rated as Medium**Litter Issue:** Dry Fruit, Leaves, Twigs and Bark**Root Damage Potential:** Rated as Moderate**Health Hazard:** Allergy
Tree Standards & Specs
About SelecTree
News Listings
Contact Info
**Right Tree
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Avoid Utilities, Fire Hazards, and Root Damage

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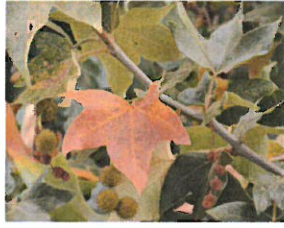


Biogenic Emissions: High
Fire Resistance: Favorable

Cite This Page:

SelecTree. "*Platanus racemosa* Tree Record." 1995-2014. Sep 16, 2014.

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Tree Attribute Info

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Search Results:*

(5) matching trees

*Based on last search

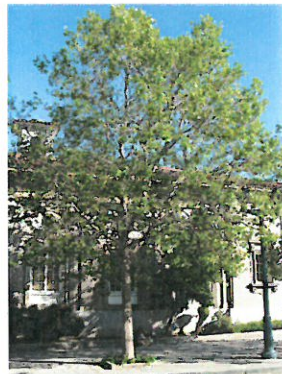
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UFEI > SelecTree > Tree Detail Record - *Platanus × hispanica*

SelecTree - Tree Detail Record

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 Search Results
 Tree Photos
 Search Again

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LONDON PLANE TREE

Platanus × hispanica

General Notes

A hybrid between *Platanus occidentalis* × *Platanus orientalis*. A tough, durable tree; can tolerate severe pruning and smog. Native to Spain.

 List all *Platanaceae* | *Platanus*
Platanus × hispanica - *Platanaceae*Synonyms: *Platanus × acerifolia*

Native To: Spain

Habit: Erect or Spreading and requires ample growing space.
Has Deciduous foliage.

Shape: Oval, Rounded or Umbrella**Sunset Zones:** 2 - 24**USDA Hardiness Zones:** 5 - 8**Exposure:** Full Sun to Partial Shade**Water Needs:** Wet to Dry Soil**Soil Type:** Clay, Loam or Sand**Soil pH:** Highly Acidic to Highly Alkaline**Seaside Tolerance:** Good in Mild Zone**Height:** 65 feet**Growth Rate:** 36 Inches per Season**Longevity:** Greater than 150 years

Leaves: Palmate Medium Green. Bronze or Gold in Fall.
Deciduous.

Flowers: Inconspicuous. Flowers in Spring or Winter. Has separate male and female flowers on the same tree (monoecious).

Fruit: Prolific, Brown or Mostly Green Achene, Medium (0.50 - 1.50 inches), fruiting in Summer.

Bark: Cream, Light Green, Light Gray or Multicolored, Exfoliating or Smooth

Pest & Disease: Resistant to Verticillium. Susceptible to Scales and Spider Mites, Anthracnose and Powdery Mildew

Shading Capacity: Rated as Dense in Leaf and Moderately Low out of Leaf.

Branch Strength: Rated as Strong**Litter Issue:** Dry Fruit, Twigs and Bark**Root Damage Potential:** Rated as High**Health Hazard:** Allergy**Biogenic Emissions:** High**Fire Resistance:** Favorable

Tree Standards & Specs

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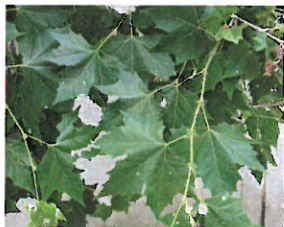
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[SelecTree](#)
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[Right Tree Right Place](#)
[All Trees List](#)
[Urban Tree Key](#)
[ForecTree](#)
[Big Trees](#)
[Urban Wood](#)
Tree Attribute Info

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Search Results:*

(1) matching tree

***Based on last search**

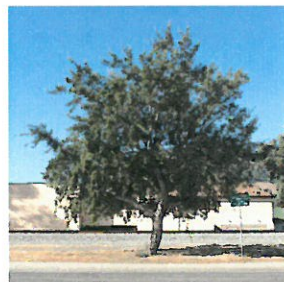
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[UFBI](#) > [SelecTree](#) > [Tree Detail Record - Quercus suber](#)

SelecTree - Tree Detail Record

Tree Selection Starts Here

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CORK OAK *Quercus suber*

General Notes

Underside of leaf is light gray. Leaf drop in spring may seem abnormal, but is typical pattern for the tree. Bark is the source of commercial cork. Native to Western Mediterranean and North Africa.

A *Quercus suber* in Napa is registered as a California Big Tree. It measures 70 feet high, with a trunk circumference of 229 inches and a crown spread of 100 feet.

 [List all *Fagaceae* | *Quercus*](#)
***Quercus suber* - Fagaceae**
Native To: Western Mediterranean and North Africa

Habit: Erect or Spreading and requires ample growing space. Has Evergreen foliage.

Shape: Oval, Rounded or Umbrella

Sunset Zones: 5 - 16 and 18 - 24

USDA Hardiness Zones: 8 - 10

Exposure: Full Sun to Partial Shade

Water Needs: Moist to Dry Soil. Drought tolerant.

Soil Type: Clay, Loam or Sand

Soil pH: Highly Acidic to Slightly Alkaline

Seaside Tolerance: Medium in Mild Zone

Height: 70 feet

Canopy Width: 70 feet

Growth Rate: 24 to 36 Inches per Season

Longevity: Greater than 150 years

Leaves: Oblong to Ovate Glossy Dark Green. Evergreen.

Flowers: Inconspicuous. Flowers in Spring. Has separate male and female flowers on the same tree (monoecious).

Fruit: Prolific, Brown Acorn, Medium (0.50 - 1.50 inches), fruiting in Fall or Winter.

Bark: Light Green or Light Gray, Fissured

Pest & Disease: Resistant to Verticillium. Susceptible to Phytophthora and Root Rot

Shading Capacity: Rated as Moderate to Dense in Leaf

Branch Strength: Rated as Strong

Litter Issue: Dry Fruit

Root Damage Potential: Rated as Moderate

Health Hazard: Allergy and Poisonous

Biogenic Emissions: High

Fire Resistance: Favorable

Tree Standards & Specs
[About SelecTree](#)
[News Listings](#)
[Contact Info](#)
**Right Tree
Right Place**


Avoid Utilities, Fire Hazards, and Root Damage

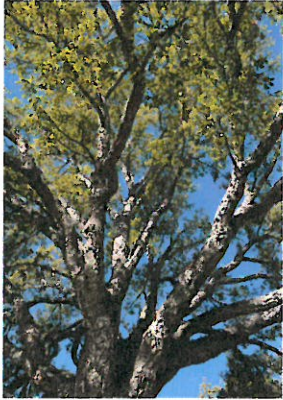
 [Attributes Defined](#)
 [Search Help](#)



Cite This Page:

SelectTree. "Quercus suber Tree Record." 1995-2014. Sep 16, 2014.

< <http://selectree.calpoly.edu/treedetail.lasso?rid=1263> >



NAVIGATION

Explore UFEI:

UFEI Home

SelecTree

Select Trees by Attribute

Right Tree Right Place

All Trees List

Urban Tree Key

ForesTree

Big Trees

Urban Wood

Tree Attribute Info

- Attributes Defined
- Add or Edit Attributes

Search Results:*

(1) matching tree

***Based on last search**

Note: We recommend selecting three or four attributes for an initial search. - [Search Help](#)

UFEI > SelecTree > Tree Detail Record - *Quercus agrifolia*

SelecTree - Tree Detail Record

Tree Selection Starts Here

 Search Results Tree Photos Search Again

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COAST LIVE OAK *Quercus agrifolia*

General Notes

Susceptible to oak moth. Sudden Oak Death manifested as a canker. Native to Central and Southern California.

A *Quercus agrifolia* in Julian is registered as a California Big Tree. It measures 58 feet high, with a trunk circumference of 338 inches and a crown spread of 75 feet.

 List all *Fagaceae* | *Quercus*
Quercus agrifolia - *Fagaceae*

Native To: Central and Southern California

Habit: Spreading and requires ample growing space.
Has Evergreen foliage.

Shape: Rounded or Umbrella

Sunset Zones: 5, 7 - 10, 12 and 14 - 24

USDA Hardiness Zones: 9 - 10

Exposure: Full Sun to Partial Shade

Water Needs: Moist to Dry Soil

Soil Type: Clay, Loam or Sand

Soil pH: Highly Acidic to Slightly Alkaline

Seaside Tolerance: Good in Moderate Zone

Height: 65 feet

Growth Rate: 24 Inches per Season

Longevity: Greater than 150 years

Leaves: Elliptic and Hollylike Glossy Dark Green. Evergreen.

Flowers: Inconspicuous. Flowers in Spring. Has separate male and female flowers on the same tree (monoecious).

Fruit: Prolific, Brown Acorn, Large (1.50 - 3.00 inches), fruiting in Fall or Winter.

Bark: Dark Gray, Furrowed or Smooth

Pest & Disease: Resistant to Verticillium. Susceptible to Goldspotted Oak Borer, Aphids, Beetle Borers, Beetle Grubs, Caterpillars, Coddling Moths, Insect Galls, Scales and White Fly, Sudden Oak Death, Crown Rot, Mistletoe, Oak Root Rot, Phytophthora, Powdery Mildew, Root Rot and Sooty Mold [More information ...](#)

Shading Capacity: Rated as Moderately Dense in Leaf

Branch Strength: Rated as Strong

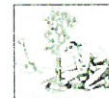
Litter Issue: Dry Fruit

Root Damage Potential: Rated as Moderate / High

Health Hazard: Allergy and Poisonous

Biogenic Emissions: High

Fire Resistance: Favorable

Tree Standards & Specs
About SelecTree
News Listings
Contact Info
**Right Tree
Right Place**


Avoid Utilities, Fire Hazards, and Root Damage

- Attributes Defined
- Search Help



Cite This Page:

SelectTree. "*Quercus agrifolia* Tree Record." 1995-2014. Sep 16, 2014.

< <http://selectree.calpoly.edu/treedetail.lasso?rid=1227> >



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Explore UFB:
[UFEI Home](#)
[SelecTree](#)
[Select Trees by Attribute](#)
[Right Tree Right Place](#)
[All Trees List](#)
[Urban Tree Key](#)
[ForesTree](#)
[Big Trees](#)
[Urban Wood](#)
Tree Attribute Info

- [Attributes Defined](#)
- [Add or Edit Attributes](#)

Search Results:*

(1) matching tree

***Based on last search**

Note: We recommend selecting three or four attributes for an initial search. - [Search Help](#)

[UFB](#) > [SelecTree](#) > [Tree Detail Record - Quercus engelmannii](#)

SelecTree - Tree Detail Record

Tree Selection Starts Here

[Search Results](#) [Tree Photos](#) [Search Again](#)

 [View Full Size Images - \(15\)](#)


ENGELMANN OAK *Quercus engelmannii*

General Notes

This native tree is wide-spreading.

Native to Southern California to Baja.

A *Quercus engelmannii* in Pasadena is registered as a California Big Tree. It measures 74 feet high, with a trunk circumference of 151 inches and a crown spread of 109 feet.

 [List all *Fagaceae* | *Quercus*](#)

Quercus engelmannii - *Fagaceae*

Synonyms:

Common Names: Engelmann Oak, Mesa Oak, Pasadena Oak

Native To: Southern California to Baja

Habit: Erect or Spreading with a High Canopy.
Has Deciduous foliage.

Shape: Oval, Rounded or Umbrella

Sunset Zones: 7 - 9 and 14 - 21

Exposure: Full Sun to Partial Shade

Water Needs: Moist to Dry Soil

Soil Type: Clay, Loam or Sand

Soil pH: Slightly Acidic to Slightly Alkaline

Seaside Tolerance: Good in South Coast

Height: 50 - 65 feet

Growth Rate: 12 to 24 Inches per Season

Longevity: Greater than 150 years

Leaves: Oblong to Ovate Medium Green. Bronze or Gold in Fall.
Deciduous.

Flowers: Inconspicuous. Flowers in Spring. Has separate male and female flowers on the same tree (monoecious).

Cone: Brown Medium (0.50 - 1.50 inches), fruiting in Fall or Winter.
Wildlife use it.

Bark: Light Gray, Furrowed, Ridged or Scaly

Pest & Disease: Resistant to Verticillium. Susceptible to Coddling Moths, Insect Galls and Scales, Crown Rot, Mistletoe and Root Rot
[More information ...](#)

Shading Capacity: Rated as Moderate in Leaf and Moderate out of Leaf.

Branch Strength: Rated as Strong

Litter Issue: Dry Fruit

Root Damage Potential: Rated as Moderate

Health Hazard: Allergy and Poisonous

Biogenic Emissions: High

Tree Standards & Specs
About SelecTree
News Listings
Contact Info
**Right Tree
Right Place**


Avoid Utilities, Fire Hazards, and Root Damage

- [Attributes Defined](#)
- [Search Help](#)

Fire Resistance: Favorable



Cite This Page:

SelecTree. "*Quercus engelmannii* Tree Record." 1995-2014. Sep 16, 2014.

< <http://selectree.calpoly.edu/treedetail.lasso?rid=1238> >

NAVIGATION

Explore UFEI:

[UFEI Home](#)[SelecTree](#)[Select Trees by Attribute](#)[Right Tree Right Place](#)[All Trees List](#)[Urban Tree Key](#)[ForesTree](#)[Big Trees](#)[Urban Wood](#)

Tree Attribute Info

- [Attributes Defined](#)
- [Add or Edit Attributes](#)

Search Results:*

(1) matching tree

*Based on last search

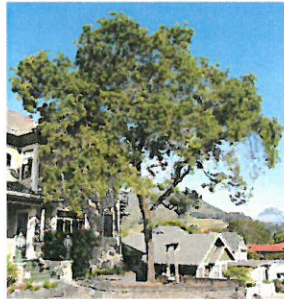
Note: We recommend selecting three or four attributes for an initial search. - [Search Help](#)

UFEI > SelecTree > Tree Detail Record - *Quercus lobata*

SelecTree - Tree Detail Record

Tree Selection Starts Here

 Search Results
 Tree Photos
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 [View Full Size Images - \(15\)](#)


VALLEY OAK

Quercus lobata

General Notes

A massive but graceful tree. Native to California.

A *Quercus lobata* in South of Covelo is registered as a California Big Tree. It measures 153 feet high, with a trunk circumference of 339 inches and a crown spread of 99 feet.

 [List all *Fagaceae* | *Quercus*](#)
Quercus lobata - *Fagaceae*

Synonyms:

Common Names: Valley Oak, California White Oak

Native To: California

Habit: Erect, Spreading or Weeping and requires ample growing space.

Has Deciduous foliage.

Shape: Oval, Rounded or Umbrella

Sunset Zones: 3 - 9 and 12 - 24

USDA Hardiness Zones: 7 - 9

Exposure: Full Sun to Partial Shade

Water Needs: Moist to Dry Soil

Soil Type: Loam or Sand

Soil pH: Slightly Acidic to Highly Alkaline

Salinity Tolerance: Moderate Inland

Seaside Tolerance: Not Suited

Height: 50 - 70 feet

Canopy Width: 50 feet

Growth Rate: 24 to 36 Inches per Season

Landscape Use: Riparian

Longevity: Greater than 150 years

Leaves: Obovate and Lobed Medium to Dark Green. Bronze or Gold in Fall. Deciduous.

Flowers: Inconspicuous. Flowers in Spring. Has separate male and female flowers on the same tree (monoecious).

Fruit: Prolific, Brown Acorn, Medium (0.50 - 1.50 inches), fruiting in Fall or Winter.

Bark: Dark Brown, Light Gray or Light Green, Blocky or Furrowed

Pest & Disease: Resistant to Oak Root Fungus and Verticillium. Susceptible to Beetle Borers, Caterpillars, Insect Galls and Scales, Crown Rot, Mistletoe and Root Rot

Shading Capacity: Rated as Moderate in Leaf and Moderate out of Leaf.

Branch Strength: Rated as Medium to Medium Strong

Litter Issue: Dry Fruit

Root Damage Potential: Rated as Moderate

Tree Standards & Specs

About SelecTree

News Listings

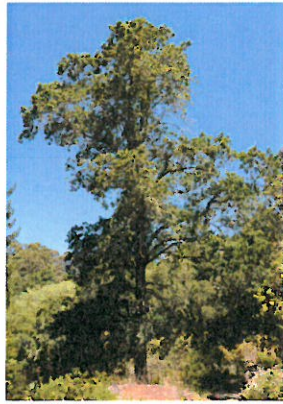
Contact Info

Right Tree Right Place



Avoid Utilities, Fire Hazards, and Root Damage

 [Attributes Defined](#)
 [Search Help](#)



Health Hazard: Allergy and Poisonous

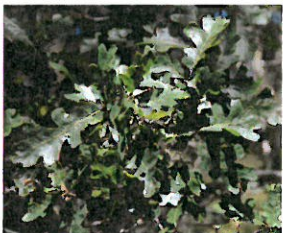
Biogenic Emissions: Moderate

Fire Resistance: Favorable

Cite This Page:

SelectTree. "*Quercus lobata* Tree Record." 1995-2014. Sep 16, 2014.

< <http://selectree.calpoly.edu/treedetail.lasso?rid=1246> >



NAVIGATION

Explore UFEI:

UFEI Home

SelecTree

Select Trees by Attribute

Right Tree Right Place

All Trees List

Urban Tree Key

ForesTree

Big Trees

Urban Wood

Tree Attribute Info

- Attributes Defined
- Add or Edit Attributes

Search Results:*

(4) matching trees

*Based on last search
 Note: We recommend selecting three or four attributes for an initial search. - Search Help

UFEI > SelecTree > Tree Detail Record - *Quercus robur*

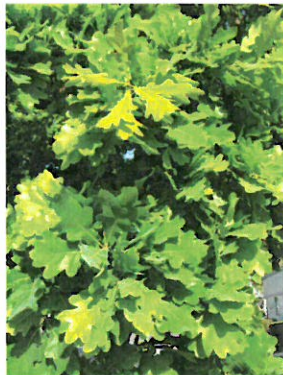
SelecTree - Tree Detail Record

Tree Selection Starts Here

Search Results Tree Photos Search Again



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ENGLISH OAK *Quercus robur*

General Notes

Similar to valley oak but not native to California. Requires a moderate amount of water. Hardy to 10 degrees F. Native to Europe, Northern Africa, and Western Asia.

A *Quercus robur* in Pleasanton is registered as a California Big Tree. It measures 92 feet high, with a trunk circumference of 146 inches and a crown spread of 94 feet.

List all *Fagaceae* | *Quercus*

Quercus robur - *Fagaceae*

Synonyms:

Common Names: English Oak, Pedunculate Oak

Native To: Europe, Northern Africa, and Western Asia

Habit: Erect or Spreading and requires ample growing space. Has Deciduous foliage.

Shape: Oval, Rounded or Umbrella

Sunset Zones: 1 - 12 and 14 - 21

USDA Hardiness Zones: 5 - 8

Exposure: Full Sun to Partial Shade

Water Needs: Moist to Dry Soil

Soil Type: Loam or Sand

Soil pH: Highly Acidic to Slightly Alkaline

Salinity Tolerance: Moderate on Coast

Seaside Tolerance: Good in Mild Zone

Height: 60 - 120 feet

Canopy Width: 30 - 80 feet

Growth Rate: 36 Inches per Season

Longevity: Greater than 150 years

Leaves: Ovate or Oblong and Lobed Medium to Dark Green. Bronze, Gold or No Change in Fall. Deciduous.

Flowers: Inconspicuous. Flowers in Spring. Has separate male and female flowers on the same tree (monoecious).

Fruit: Brown Acorn, Medium (0.50 - 1.50 inches), fruiting in Fall or Winter.

Bark: Dark Brown or Dark Gray, Fissured

Pest & Disease: Resistant to Verticillium. Susceptible to Insect Galls, Powdery Mildew

Shading Capacity: Rated as Moderate in Leaf and Moderate out of Leaf.

Branch Strength: Rated as Strong

Litter Issue: Dry Fruit

Root Damage Potential: Rated as Moderate

Health Hazard: Allergy and Poisonous

Tree Standards & Specs

About SelecTree

News Listings

Contact Info

Right Tree Right Place



Avoid Utilities, Fire Hazards, and Root Damage

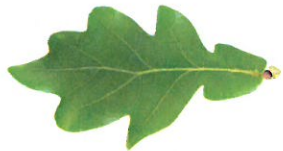
- Attributes Defined
- Search Help

Biogenic Emissions: High

Cite This Page:

SelecTree. "*Quercus robur* Tree Record." 1995-2014. Sep 16, 2014.

< <http://selectree.calpoly.edu/treedetail.lasso?rid=1256> >



NAVIGATION

Explore UFEI:

[UFEI Home](#)

[SelecTree](#)

[Select Trees by Attribute](#)

[Right Tree Right Place](#)

[All Trees List](#)

[Urban Tree Key](#)

[ForecTree](#)

[Big Trees](#)

[Urban Wood](#)

Tree Attribute Info

- [Attributes Defined](#)
- [Add or Edit Attributes](#)

Search Results:*

(3) matching trees

*Based on last search

Note: We recommend selecting three or four attributes for an initial search. - [Search Help](#)

UFEI > SelecTree > Tree Detail Record - *Salix babylonica*

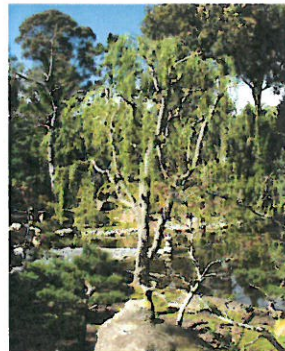
SelecTree - Tree Detail Record

Tree Selection Starts Here

[Search Results](#) [Tree Photos](#) [Search Again](#)



[View Full Size Images - \(9\)](#)



WEeping WILLOW *Salix babylonica*

General Notes

Needs ample water. Native to China. Trees may be referred to as male or female.

A *Salix babylonica* in Porterville is registered as a California Big Tree. It measures 45 feet high, with a trunk circumference of 150 inches and a crown spread of 73 feet.

[List all Salicaceae](#) | [Salix](#)

Salix babylonica - *Salicaceae*

Native To: China

Habit: Erect, Spreading or Weeping with a High Canopy. Has Deciduous foliage.

Shape: Oval, Rounded or Umbrella

Sunset Zones: 1 - 24

USDA Hardiness Zones: 6 - 9

Exposure: Full Sun to Partial Shade

Water Needs: Wet to Moist Soil

Soil Type: Clay, Loam or Sand

Soil pH: Highly Acidic to Highly Alkaline

Seaside Tolerance: Good in Mild Zone

Height: 50 feet

Growth Rate: 36 or More Inches per Season

Landscape Use: Riparian

Longevity: Less than 50 years

Leaves: Lanceolate to Linear Medium Green. Gold in Fall. Deciduous.

Flowers: Inconspicuous. Flowers in Spring. Has either male or female flowers (dioecious). Trees may be sold as male or female.

Fruit: Brown Capsule, Very Small (Under 0.25 inches), , fruiting in Summer.

Bark: Dark Brown, Fissured

Pest & Disease: Resistant to Verticillium. Susceptible to Aphids, Beetle Borers, Caterpillars and Spider Mites, Anthracnose, Branch Blight, Oak Root Rot, Phytophthora, Root Rot, Rust and Sooty Mold

Shading Capacity: Rated as Dense in Leaf and Moderately Dense out of Leaf.

Branch Strength: Rated as Weak

Litter Issue: Dry Fruit and Twigs

Root Damage Potential: Rated as High

Health Hazard: Allergy

Biogenic Emissions: High

Tree Standards & Specs

[About SelecTree](#)

[News Listings](#)

[Contact Info](#)

**Right Tree
Right Place**



Avoid Utilities, Fire Hazards, and Root Damage

[Attributes Defined](#)

[Search Help](#)



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Photo Credits:

M. Ritter, W. Mark and J.
Reimer

Photo Locations:

Stanford, CA, Lotusland -
Santa Barbara, CA, Los
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Francisco, CA

NAVIGATION

Explore UFEI:

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SelecTree

Select Trees by Attribute

Right Tree Right Place

All Trees List

Urban Tree Key

ForesTree

Big Trees

Urban Wood

Tree Attribute Info

- Attributes Defined
- Add or Edit Attributes

Search Results:*

(5) matching trees

*Based on last search

Note: We recommend selecting three or four attributes for an initial search. - Search Help

UFEI > SelecTree > Tree Detail Record - *Camellia oleifera*

SelecTree - Tree Detail Record

Tree Selection Starts Here

Search Results Tree Photos Search Again



View Full Size Images - (7)



TEA-OIL CAMELLIA *Camellia oleifera*

General Notes

Utility friendly tree. Branches droop but resist breakage. Trainable as Standard. Native to China.

List all *Theaceae* | *Camellia*



Camellia oleifera - *Theaceae*

Native To: China

Habit:
Has Evergreen foliage.

Shape: Rounded or Vase

Sunset Zones: 4 - 9, 12, and 14 - 24

USDA Hardiness Zones: 6 - 9

Exposure: Full Sun to Partial Shade

Water Needs: Well Drained Soil

Soil Type: Clay, Loam or Sand

Soil pH: Acidic

Height: 10 - 20 feet

Canopy Width: 6 - 12 feet

Growth Rate: 12 to 24 Inches per Season

Landscape Use: Specimen, Buffer Strip, Container, Screen or Street Tree, Bonsai or Hedged

Leaves: Green. No Change in Fall. Evergreen.

Flowers: Showy, White. Flowers in Winter. Has perfect flowers (male and female parts in each flower).

Fruit:

Pest & Disease: Susceptible to Scales

Shading Capacity: Rated as Dense to Very Dense in Leaf

Root Damage Potential: Rated as Low

Fire Resistance: Favorable

Wildlife Notes:

Cite This Page:

SelecTree. "*Camellia oleifera* Tree Record." 1995-2014. Sep 16, 2014.

< <http://selectree.calpoly.edu/treedetail.lasso?rid=247> >

Tree Standards & Specs

About SelecTree

News Listings

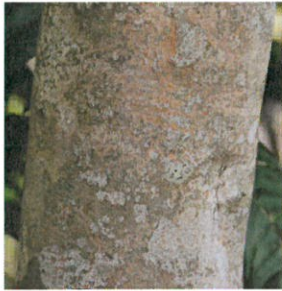
Contact Info

**Right Tree
Right Place**



Avoid Utilities, Fire Hazards, and Root Damage

Attributes Defined
 Search Help



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Photo Credits:

W. Mark and J. Reimer

Photo Locations:

The National Arboretum -
Washington, DC and
Mendocino Coast Botanical
Gardens - Fort Bragg, CA

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California Polytechnic State University
San Luis Obispo, CA 93407
ufe@calpoly.edu

Last Update: 1/10/2012

NAVIGATION

Explore UFEI:

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SelecTree

Select Trees by Attribute

Right Tree Right Place

All Trees List

Urban Tree Key

ForesTree

Big Trees

Urban Wood

Tree Attribute Info

- Attributes Defined
- Add or Edit Attributes

Search Results:*

(1) matching tree

*Based on last search

Note: We recommend selecting three or four attributes for an initial search. - Search Help

UFEI > SelecTree > Tree Detail Record - *Castanospermum australe*

SelecTree - Tree Detail Record

Tree Selection Starts Here

Search Results Tree Photos Search Again



View Full Size Images - (13)



MORETON BAY CHESTNUT *Castanospermum australe*

General Notes

Seeds are Poisonous. Wood is valued for lumber.

Has fragrant flower. Native to Eastern Coast of Australia in Queensland and New South Wales.

List all *Fabaceae* | *Castanospermum*

Castanospermum australe - *Fabaceae*

Native To: Eastern Coast of Australia in Queensland and New South Wales

Habit: Spreading and requires ample growing space.
Has Evergreen foliage.

Shape: Oval or Rounded

Sunset Zones: 18 - 22

USDA Hardiness Zones: 10 - 12

Exposure: Full Sun to Partial Shade

Water Needs: Moist Soil

Soil Type: Clay, Loam or Sand

Soil pH: Neutral to Highly Alkaline

Seaside Tolerance: Not Suited

Height: 65 feet

Growth Rate: 24 Inches per Season

Longevity: 50 to 150 years

Leaves: Pinnately Compound Odd Glossy Dark Green. Evergreen.

Flowers: Showy, Fragrant, Orange, Red or Yellow. Flowers in Summer. Has perfect flowers (male and female parts in each flower).

Fruit: Brown Pod, Very Large (Over 3.00 inches), fruiting in Fall. Edible.

Bark: Dark Brown or Dark Gray, Rough

Shading Capacity: Rated as Moderately Dense in Leaf

Litter Issue: Wet Fruit

Root Damage Potential: Rated as Low

Health Hazard: Poisonous

Tree Standards & Specs

About SelecTree

News Listings

Contact Info

**Right Tree
Right Place**



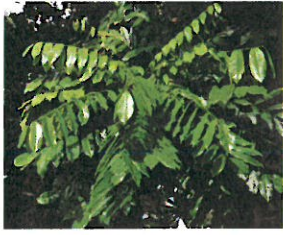
Avoid Utilities, Fire Hazards, and Root Damage

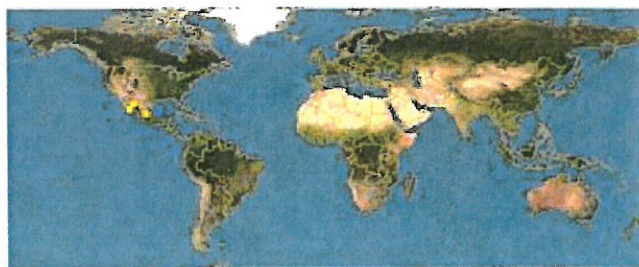
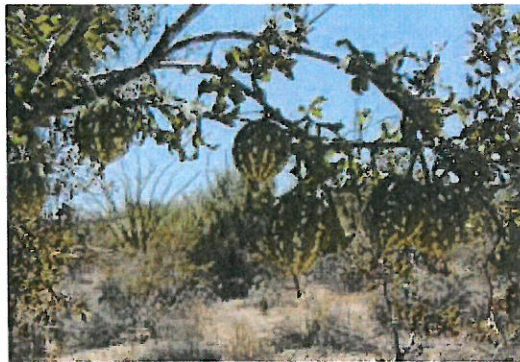
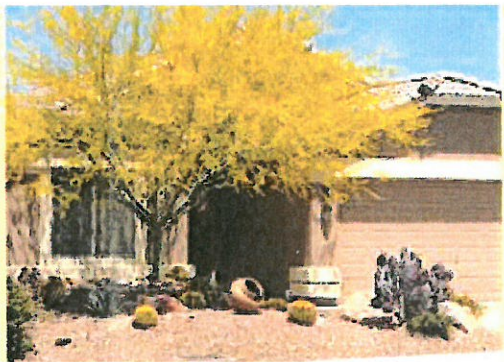
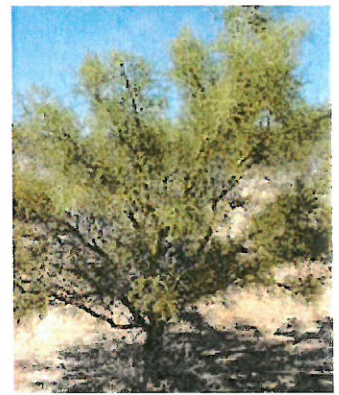
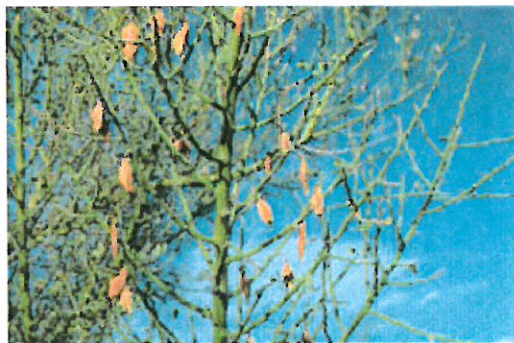
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 Search Help

Cite This Page:

SelecTree. "*Castanospermum australe* Tree Record." 1995-2014. Sep 16, 2014.

< <http://selectree.calpoly.edu/treedetail.lasso?rid=274> >





NAVIGATION

Explore UFEI:

[UFEI Home](#)

[SelecTree](#)

[Select Trees by Attribute](#)

[Right Tree Right Place](#)

[All Trees List](#)

[Urban Tree Key](#)

[ForesTree](#)

[Big Trees](#)

[Urban Wood](#)

Tree Attribute Info

- [Attributes Defined](#)
- [Add or Edit Attributes](#)

Search Results:*

(5) matching trees

*Based on last search

Note: We recommend selecting three or four attributes for an initial search. - [Search Help](#)

UFEI > SelecTree > Tree Detail Record - *Prosopis glandulosa* var. *torreyana*

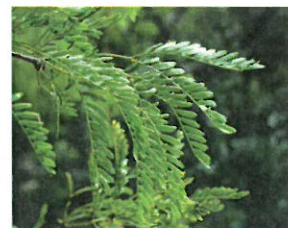
SelecTree - Tree Detail Record

Tree Selection Starts Here

[Search Results](#) [Tree Photos](#) [Search Again](#)



[View Full Size Images - \(10\)](#)



MESQUITE

Prosopis glandulosa var. *torreyana*

General Notes

Utility friendly tree.

This deciduous tree, can be a handsome desert shade tree with proper pruning and age. Found in the Mohave and Colorado deserts.

Has fragrant flower. Has thorns. Native to Southwestern United States and Northern Mexico.

A *Prosopis glandulosa* in Tulare is registered as a California Big Tree. It measures 34 feet high, with a trunk circumference of 106 inches and a crown spread of 82 feet.

[List all Fabaceae | Prosopis](#)

Prosopis glandulosa var. *torreyana* - Fabaceae

Native To: Southwestern United States and Northern Mexico

Habit: Spreading or Weeping with a Low Canopy.
Has Deciduous foliage.

Shape: Rounded, Umbrella or Vase

Sunset Zones: 10 - 13 and 18 - 24

USDA Hardiness Zones: 7 - 9

Exposure: Full Sun

Water Needs: Moist to Dry Soil. Drought tolerant.

Soil Type: Loam or Sand

Soil pH: Neutral to Highly Alkaline

Salinity Tolerance: Good Inland

Seaside Tolerance: Not Suited

Height: 25 feet

Growth Rate: 12 to 24 Inches per Season

Landscape Use: Screen

Longevity: 50 to 150 years

Leaves: Bipinnately Compound Medium Green. Gold in Fall. Deciduous.

Flowers: Fragrant, Yellow. Flowers in Spring. Has perfect flowers (male and female parts in each flower).

Fruit: Brown Pod, Very Large (Over 3.00 inches), fruiting in Summer. Edible.

Bark: Dark Brown, Red Brown or Dark Gray, Exfoliating, Furrowed or Scaly

Pest & Disease: Resistant to Texas Root Rot.

Shading Capacity: Rated as Moderate in Leaf and Low out of Leaf.

Branch Strength: Rated as Medium

Litter Issue: Dry Fruit

Root Damage Potential: Rated as Low

Tree Standards & Specs

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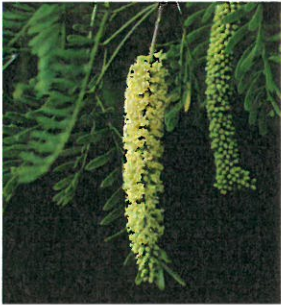


Health Hazard: Allergy

Cite This Page:

SelecTree. "*Prosopis glandulosa* var. *torreyana* Tree Record." 1995-2014. Sep 16, 2014.

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T. Plumb, W. Mark, J. Reimer
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Photo Locations:

Santa Barbara Botanic Garden
- Santa Barbara, CA, Quail
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Desert, CA

Veterinary Medicine Library

Castor Bean (*Ricinus communis*)

[| Description](#) | [| Distribution](#) | [| Conditions of poisoning](#) | [| Control](#) | [| Toxic principle](#) | [| Clinical signs](#) | [| References](#)



Description

Castor bean is a herbaceous annual which can reach to nearly 15 feet tall when growing in open spaces in warm climates. Large leaves are alternate, palmately lobed with 5-11 toothed lobes. Leaves are glossy and often red or bronze tinted when young. Flowers appear in clusters at the end of the main stem in late summer. The fruit consists of an oblong spiny pod which contains three seeds on average. Seeds are oval and light brown, mottled or streaked with light and dark brown and resemble a pinto bean. The plant itself is fast growing, but the seeds require a long frost-free season in order to mature.



Early growth



In mid-summer



stalk and flower bud



flowers

Distribution

Castor bean is native to the tropics (Africa) but is planted as a garden plant throughout the U.S. for its large, striking appearance. It is now commercially grown in the U.S. in Illinois, Missouri, Kansas, Oklahoma, Oregon and California. As a result, it is naturalized in the south where winters are mild and most often is found near streambeds, dumping grounds, barnyards or along roadsides.

Conditions of poisoning

All parts of the plants are toxic, but most dangerous are the seeds. The most susceptible animal species include cattle, horses, sheep, pigs, fowl, rabbits and other small animals. Seeds ingested at 0.2% of body weight have caused toxicosis in cattle and 0.01% of body weight was toxic to horses.

Toxic principle

The principle toxin of castor bean is ricin which is a lectin, also termed a toxalbumin. Ricin may comprise up to 3% of the seed weight. Toxalbumins are very toxic plant-derived compounds that combine carbohydrate and protein moieties or components. Ricin is water soluble and is not present in castor oil. Taken orally, ricin is readily absorbed from the stomach and intestine. Another phytotoxin in castor bean, ricinine, is reportedly goitrogenic, but the significance of this compound is not clearly established.

Clinical signs

Signs appear after a characteristic lag period of a few hours to days, usually between 12 hours and 48 hours. Signs support nausea and include evidence of abdominal pain, bloody diarrhea, tenesmus, and dehydration. Additional signs may be anorexia, cessation of rumination, excessive thirst, weakness, muscle twitching, dullness of vision, convulsions, dyspnea, opisthotonus and coma. At postmortem severe inflammation of the stomach and intestine are evident.

Sometimes convulsions and decreased tendon reflexes are observed. After convulsions, death may result from paralysis of the respiratory center. Artificial respiration may not preserve life for long because of rapid onset of concurrent vasomotor paralysis.

In ducks, there is an ascending paralysis which may be confused with botulism. Sometimes thousands of ducks as well as geese are poisoned.

For horses, signs include trembling, sweating, dyspnea, incoordination, vigorous heart contractions, shivering, cold extremities, depression, increased body temperature, weak pulse, constipation or diarrhea, and convulsions.

Cattle may have diarrhea stained with blood.

Pigs have frequent vomiting.

Poultry show signs of depression, roughened feathers, droopy wings, greyish wattles and combs, and emaciation. Egg production ceases and premature moulting may begin.

Other References:

Caster bean entry in [Wikipedia](#)

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Explore UFEI:
[UFEI Home](#)
[SelecTree](#)
[Select Trees by Attribute](#)
[Right Tree Right Place](#)
[All Trees List](#)
[Urban Tree Key](#)
[ForesTree](#)
[Big Trees](#)
[Urban Wood](#)
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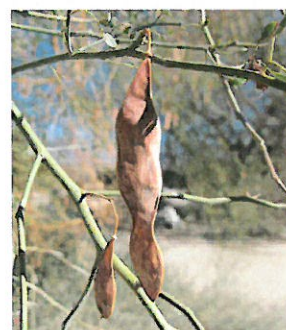
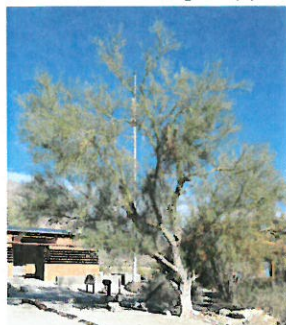
Note: We recommend selecting three or four attributes for an initial search. - [Search Help](#)

[UFEI](#) > [SelecTree](#) > [Tree Detail Record - *Cercidium floridum* subsp. *floridum*](#)

SelecTree - Tree Detail Record

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BLUE PALO VERDE *Cercidium floridum* subsp. *floridum*

General Notes

Has thorns. Native to Southern California.

A *Cercidium floridum* in Salton City is registered as a California Big Tree. It measures 53 feet high, with a trunk circumference of 86 inches and a crown spread of 42 feet.

 [List all *Fabaceae* | *Cercidium*](#)
Cercidium floridum subsp. *floridum* - *Fabaceae*
Synonyms: *Cercidium floridum*
Parkinsonia florida
Native To: Southern California

Habit: Erect with a Low Canopy.

Has Deciduous foliage.

Shape: Rounded

Sunset Zones: 8 - 14 and 18 - 20

USDA Hardiness Zones: 8 - 9

Exposure: Full Sun

Water Needs: Moist to Dry Soil. Drought tolerant.

Soil Type: Loam or Sand

Soil pH: Neutral to Highly Alkaline

Seaside Tolerance: Not Suited

Height: 35 feet

Growth Rate: 36 Inches per Season

Landscape Use: Screen

Longevity: 50 to 150 years

Leaves: Pinnately Compound Odd Blue Green. Deciduous.

Flowers: Showy, Yellow. Flowers in Spring or Summer. Has perfect flowers (male and female parts in each flower).

Fruit: Brown or Mostly Green Pod, Very Large (Over 3.00 inches), fruiting in Fall, Winter or Summer. Wildlife use it.

Bark: Green or Red Brown, Exfoliating or Smooth

Shading Capacity: Rated as Moderately Low in Leaf and Low out of Leaf.

Branch Strength: Rated as Medium

Litter Issue: Dry Fruit

Root Damage Potential: Rated as Low

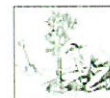
Health Hazard: None Known

Biogenic Emissions: Moderate

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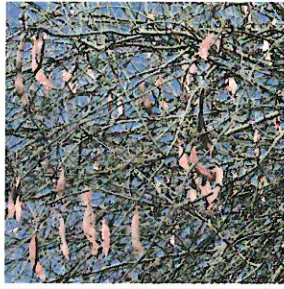
Sep 16, 2014.

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About SelecTree
News Listings
Contact Info
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Photo Locations:

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- Attributes Defined
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UFB > SelecTree > Tree Detail Record - *Erythrina americana*

SelecTree - Tree Detail Record

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W. Mark and J. Reimer

 **AMERICAN CORAL TREE**
Erythrina americana
General Notes

Utility friendly tree. Showy flowers, thorny. Seeds are poisonous. Has thorns. Native to Mexico.

A *Erythrina americana* in Newport Beach is registered as a California Big Tree. It measures 42 feet high, with a trunk circumference of 169 inches and a crown spread of 58 feet.

 List all *Fabaceae* | *Erythrina**Erythrina americana* - *Fabaceae*

Native To: Mexico

Habit: Erect or Spreading with a Low Canopy.
Has Deciduous foliage.

Shape: Rounded, Umbrella or Vase**Sunset Zones:** 12 - 13 and 19 - 24**Exposure:** Full Sun**Water Needs:** Moist to Dry Soil**Soil Type:** Clay, Loam or Sand**Soil pH:** Neutral to Highly Alkaline**Seaside Tolerance:** Good in South Coast**Height:** 25 feet**Growth Rate:** 24 Inches per Season**Landscape Use:** Screen**Longevity:** 40 to 150 years**Leaves:** Trifoliate Medium Green. Gold in Fall. Deciduous.

Flowers: Showy, Red. Flowers in Spring. Has perfect flowers (male and female parts in each flower).

Fruit: Brown Pod, , fruiting in Summer.**Pest & Disease:** Susceptible to Aphids**Shading Capacity:** Rated as Moderate in Leaf and Low out of Leaf.**Branch Strength:** Rated as Medium Weak**Litter Issue:** Dry Fruit**Root Damage Potential:** Rated as Moderate**Health Hazard:** Poisonous

Cite This Page:

SelecTree. "Erythrina americana Tree Record." 1995-2014. Sep 16, 2014.

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- Search Help



Urban and
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UFEI > SelecTree > Tree Detail Record - *Parkinsonia aculeata*

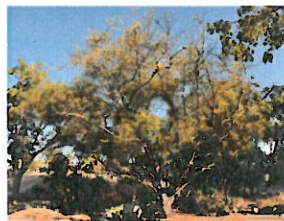
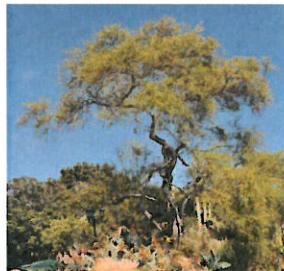
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JERUSALEM THORN *Parkinsonia aculeata*

General Notes

Mexican Palo Verde has unusually airy, light-textured foliage, and makes a stunning specimen when it is in bloom. Standard single trunk trees are effective as landscape specimens or shade trees. It tolerates heat and dryness, and looks best in full sun, with occasional deep watering to the roots. Once established, it is quite durable, and pest free. Popular in subtropical climates.

Cal-IPC (California Invasive Plant Council) lists this plant but notes that it hasn't escaped enough into wildland areas to cause impacts. Has fragrant flower. Has thorns. Native to Southwestern United States and Mexico.

[List all Fabaceae | Parkinsonia](#)

Parkinsonia aculeata - *Fabaceae*

Synonyms:

Common Names: Jerusalem Thorn, Mexican Palo Verde

Native To: Southwestern United States and Mexico

Habit: Spreading or Weeping with a Low Canopy.
Has Deciduous foliage.

Shape: Rounded, Umbrella or Vase

Sunset Zones: 8 - 24

USDA Hardiness Zones: 8 - 11

Exposure: Full Sun

Water Needs: Moist to Dry Soil. Drought tolerant.

Soil Type: Clay, Loam or Sand

Soil pH: Neutral to Highly Alkaline

Salinity Tolerance: Good to Moderate Inland

Seaside Tolerance: Good in Mild Zone

Height: 25 feet

Growth Rate: 24 to 36 Inches per Season

Landscape Use: Screen

Longevity: 40 to 150 years

Leaves: Bipinnately Compound Medium Green. Deciduous.

Flowers: Showy, Fragrant, Yellow. Flowers in Spring or Summer. Has perfect flowers (male and female parts in each flower).

Fruit: Brown Pod, Very Large (Over 3.00 inches), fruiting in Fall.

Bark: Green or Red Brown, Scaly or Smooth

Pest & Disease: Resistant to Texas Root Rot.

Shading Capacity: Rated as Moderately Low to Moderate in Leaf and Moderately Low out of Leaf.

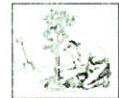
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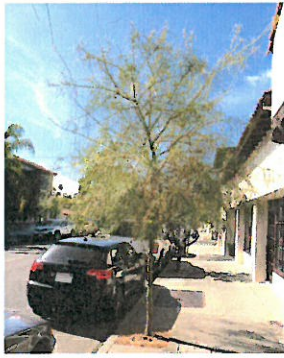
[Contact Info](#)

**Right Tree
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Avoid Utilities, Fire Hazards, and Root Damage

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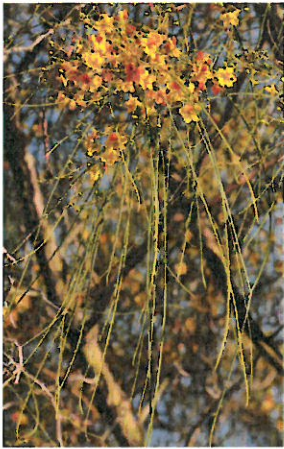


Branch Strength: Rated as Medium
Litter Issue: Dry Fruit
Root Damage Potential: Rated as Low
Health Hazard: None Known
Biogenic Emissions: Moderate
Fire Resistance: Favorable

Cite This Page:

SelectTree. "Parkinsonia aculeata Tree Record." 1995-2014. Sep 16, 2014.

< <http://selectree.calpoly.edu/treedetail.Jasso?rid=986> >



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SelectTree

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ForestTree

Big Trees

Urban Wood

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Search Results:*

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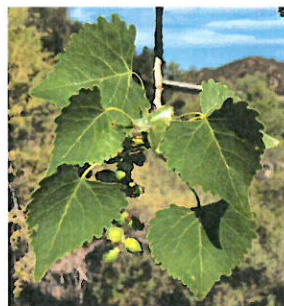
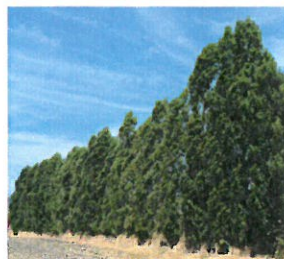
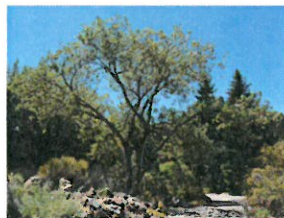
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UFEI > SelectTree > Tree Detail Record - *Populus fremontii*

SelectTree - Tree Detail Record

Tree Selection Starts Here

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FREMONT COTTONWOOD *Populus fremontii*

General Notes

A California native riparian tree. Native to Southwestern United States. Trees may be referred to as male or female.

A *Populus fremontii* in Riverdale is registered as a California Big Tree. It measures 84 feet high, with a trunk circumference of 360 inches and a crown spread of 67 feet.

 List all *Salicaceae* | *Populus*
Populus fremontii - *Salicaceae*
Synonyms:

Common Names: Western Cottonwood, Fremont Cottonwood, Gila Cottonwood

Native To: Southwestern United States

Habit: Erect or Spreading and requires ample growing space. Has Deciduous foliage.

Shape: Oval, Rounded or Umbrella

Sunset Zones: 1 - 12 and 14 - 21

USDA Hardiness Zones: 3 - 9

Exposure: Full Sun

Water Needs: Wet to Dry Soil

Soil Type: Loam or Sand

Soil pH: Highly Acidic to Highly Alkaline

Salinity Tolerance: Good Inland

Seaside Tolerance: Good in Mild Zone

Height: 40 - 80 feet

Canopy Width: 30 - 50 feet

Growth Rate: 36 Inches per Season

Landscape Use: Riparian

Longevity: 40 to 150 years

Leaves: Deltoid Light Green. Gold in Fall. Deciduous.

Flowers: Inconspicuous. Flowers in Spring or Winter. Has either male or female flowers (dioecious). Trees may be sold as male or female.

Fruit: Brown Capsule, Small (0.25 - 0.50 inches), fruiting in Summer.

Bark: Light Green or Light Gray, Furrowed or Smooth

Pest & Disease: Susceptible to Aphids, Beetle Borers, Beetle Leaves and Caterpillars, Anthracnose, Canker, Crown Rot, Mistletoe and Sooty Mold [More information ...](#)

Shading Capacity: Rated as Moderately Dense in Leaf and Moderate out of Leaf.

Branch Strength: Rated as Weak

Litter Issue: Dry Fruit and Twigs

Tree Standards & Specs
About SelectTree
News Listings
Contact Info
**Right Tree
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- Attributes Defined
- Search Help



Root Damage Potential: Rated as High

Health Hazard: Allergy

Biogenic Emissions: High

Fire Resistance: Favorable

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SelecTree. "Populus fremontii Tree Record." 1995-2014. Sep 16, 2014.

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