



## Species Profile (Quercus garryana)

USDA Zone: 6-9 Deciduous: yes

Native range: Oregon, Washington, California and western British Columbia

Light requirements: Full sun

Soil: Well drained to poor drainage, slightly acidic pH of 4.8-5.9

Form/Size: de-current, 70-100 feet

Age: 300-500 years

**Associated flora:** Oregon white ash, ponderosa pine, snowberry, Oregon grape, hawthorn, fescue, cammas,

## Considerations:

Larger mature trees can have stem and/or large branch failure during summer

Conditions, known as summer limb drop. **Recommendation:** Weight reduction pruning

Wet conditions can lead to Armillaria Root Rot and cause whole tree failure.

Recommendation: Reduce or eliminate irrigation





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Crown Retrenchment and Crown Succession

1910 1920s c. 1950 1981 2009

Fig 2: The Arthur Clough Oak Boars Hill, Nr. Oxford
A hundred years of aging, sequence shows limitations in our ability to foresee tree's growth natural responses to its environment and events. Photos courtesy of Philip Stewart)

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