Plant Data Sheet

Species (common name, Latin name)
Oregon white oak or Garry oak, Quercus garryana, Dougl. ex Hook.



m British Columbia, along the Pacific Coast, south to the Coast Ranges and Sierra Nevada of California. (FEIS Database; Silvics of North America)

Climate, elevation
Oregon white oak grows from sea level to 5,000 feet (1,524 m) in elevation in highly variable climatic regimes. It is found in cool, humid conditions near the coast and in hot, dry environments of inland valleys and foothill secodands and can endure temperature extremes from 30 to 166 degrees (-34 to 47 deg C). Average annual precipitation ranges from 262 cm (103.5 inches) to 30 cm (10.6 inches), FEB database, and the conditions are the coast and in hot, dry environments of inland valleys and foothill secodands and can endure temperature extremes from -30 to 166 degrees (-34 to 47 deg C). Average annual precipitation ranges from 262 cm (103.5 inches) to 30 cm (10.6 inches), FEB database, and the condition of the condition of

Local occurrence
Locally, Oregon white coak sources in coak savarmass or woodlands and mixed forests on dry sites such as inland valleys and foothils, south slopes, unglaciated and glaciated nody ridges. Because it can tolerate both drought and lengthy flooding, Oregon white coak also occurs along riparian comistors in association with Frazinus latifolia. (Skins of North America)

Plant strategy type/successional stage Stress tolerator. (Silvics of North America)

Associated species

Diabbetion on both wetl and dry sizes leads to a diverse list of associated species including Pseudosaga menziesii, Prius ponderosa, Abies amabilis, Tsuga hebrophylla, Thuja pilcate, Quercus sop., Arbutus menziesii, Betula occidentalis, Acer macrophyllum, Arctisstaphylos sop., Ceanothus sop., Rubus parviflorus, Vaccinius Phaedel Interest, and tarray more. (FES database, Faelin and Dynama 1973)

May be collected as: Acorns

Collection restrictions or guidelines
Accents ripen from late August to November. This is a masting species that only produces heavy acom crops periodically. Seeds must be kept moist between collection and sowing to ensure viability. (Slake of North America)

Seed germination
Seeds are not dormant and will germinate as soon as they are exposed to warm, moist conditions. (Silvice of North America)

Seed life
Oak seeds generally do not store well and should be planted soon after maturity (Wilson and Burglaw 2000). However, Accoms can be stored for short periods if high moisture content (30 % or more) and low temperatures are maintained in the storage facility, (Bivics of North Ann

Recommended seed storage conditions
Store with high acorn moisture content (30 % or more) at cool, regulated temperatures. (Silvics of North America)

Propagation recommendations

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Contained products or contained products or contained products or produced by planting seeds into one-gallon containers of well-drained potting soil with a slow release fertilizer. Seeds should be planted 1-2 inches deep and the soil should be legat moist and aeraled. (With, and Surghu-2000

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Soil or medium requirements (inoculum necessary?) See propagation section above.

Installation form (florm, potential for successful outcomes, cost)
Direct seeding with protection from seed predators and herbivores for the accrns and seedings at the beginning of winter or container grown seedings planted in spring (after the first leaves open and become firm). (Salva of Nom Anwice, PLANTS database)

Recommended planting density 300 to 800 trees per acre. (PLANTS database)

Care requirements after installed (water weekly, water once etc.)
Watering every 2-3 weeks during the first growing season and weeding young plants until they are 6-10 inches tall are recommended (Wikew and Burgher 2000). Some form of protection from seed predators and/or herbitores is recommended (Bikks of North America). Normal rate of growth or spread; lifespam initial growth is concentrated on development of a taproct. Shoot development is slow; seedlings may take 10 years or more to attain 1 m (3.3 feet) in height. Growth from roct and colar sprouts of mature trees following fire is vigorous. (FEB at a feet) in height.

Franklin, J.F. and C. T. Dyrness. 1973. Natural Vegetation of Oregon and Washington. Oregon State University Press, Corvallis

PLANTS database: http://plants.usda.gov/. Accessed 5/2/2003

Silvics of North America: <a href="http://www.na.fs.fed.ustop.foju.barshivcs">http://www.na.fs.fed.ustop.foju.barshivcs</a> manual/volume</a> <a href="http://www.na.fs.fed.ustop.foju.barshivcs">http://www.na.fs.fed.ustop.foju.barshivcs</a> <a href="http://www.na.fs.fed.ustop.foju.barshivcs">http://wwww.na.fs.fed.ustop.foju.barshivcs</a> <a href="http://www.na.fs.fed.ustop.foju.

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