

References and Resources for Identifying Plants in the Pacific Northwest (regional guides for our area)

Regional picture guide books

Jolley, R. 1988. A Comprehensive Field Guide: Wildflowers of the Columbia Gorge. Oregon Historical Society Press, Portland.

Kozloff, E.N. 1976. Plants and Animals of the Pacific Northwest: An Illustrated Guide to the Natural History of Western Oregon, Washington, and British Columbia. University of Washington Press, Seattle.

Kreigh, LeeAnn. 2020. The Nature of Portland: A Fun, Friendly Guide to Portland-Area Plants & Animals. Tempo Press, Bend. Available at <https://natureofbooks.com/>

Mathews, D. 1999. Cascade Olympic Natural History: A Trailside Reference. Timber Press, Portland.

Pojar, J. and A. MacKinnon. 1994. Plants of the Pacific Northwest Coast: Washington, Oregon, British Columbia & Alaska. Lone Pine Publishing, Redmond.

Turner, M. and P. Gustafson. 2006. Wildflowers of the Pacific Northwest. Timber Press, Portland.

Turner, M. and E. Kuhlmann. 2014. Trees & Shrubs of the Pacific Northwest. Timber Press, Portland.

Regional floras

Gilkey, H.M. and L.R.J. Dennis. 2001. Handbook of Northwestern Plants, revised edition. Oregon State University Press, Corvallis.

Hitchcock, C.L. and A. Cronquist. 2018. Flora of the Pacific Northwest, 2nd edition. University of Washington Press, Seattle.

Jepson Flora Project (eds.) 2023. *Jepson eFlora*, <https://ucjeps.berkeley.edu/eflora/>

Meyers, S.C. et al. (eds.). 2015 & 2020. Flora of Oregon. Volume 1: Pteridophytes, Gymnosperms, and Monocots. Volume 2: Dicots A-F. Oregon State University and Botanical Research Institute of Texas Press, Fort Worth.

Univ. of Washington/Burke Museum Plant Identification Keys – great for narrowing-down your plant choices! Really good for natives and naturalized exotics, not so great for street trees or other ornamentals (from elsewhere).

All plants:

<https://burkeherbarium.org/imagecollection/keys.php?Key=1>

Winter twigs:

<https://burkeherbarium.org/imagecollection/keys.php?Key=2>

Useful identification references

Harrington, H.D. and L.W. Durrell. 1985. How to Identify Plants. Swallow Press.

Harris, J.G. and M.W. Harris. 2001. Plant Identification Terminology: An Illustrated Glossary, 2nd edition. Spring Lake Publishing.

References and Resources for Identifying Plants from Elsewhere

Note: At the Hoyt Arboretum, we have over 2,300 species from around the world. To verify their species identity, we use a variety of sources, preferring keying the plant using its native flora, other references with keys, and/or by comparison to online herbarium specimens. We also often use taxon-specific references (journal articles, books, etc.); not listed here.

Floras We Often Use

Flora of China (available online at http://www.efloras.org/flora_page.aspx?flora_id=2)

Ohwi, Jisaburo, et al. 1953. Flora of Japan. Smithsonian Institute, Washington.

Stace, C. 2010. New Flora of the British Isles, 3rd ed. Cambridge University Press, Cambridge.

Tutin, T.G., Heywood, V.H., Burges, N.A., Moore, D.M., Valentine, D.H., Salter, S. M. and D.A. Webb (eds). 1968. Flora Europaea (Volumes 1-6). Cambridge University Press, Cambridge.

Ornamentals/Landscape Plants/Street Trees

Bailey, L.H. 1949. Manual of Cultivated Plants. Macmillan, New York

Coombs, A.J. 2002. Smithsonian handbooks: Trees. Dorling Kindersley, London.

Dirr, M.A. 1998. Manual of Woody Landscape Plants, 5th Ed., 1187 p., Stipes Publishing Co., Champaign, Ill.

Farjon, A. 2010. A Handbook of the World's Conifers, Volumes 1 & 2. Brill-Leiden, Boston.

Krüssmann, G. 1976. Manual of Cultivated Broad-Leaved Trees & Shrubs, Vol.I, II, & III, Timber Press, Portland, Ore.

Rehder, A. 1940. Manual of Cultivated Trees and Shrubs, Hardy in North America. MacMillan Company, New York.

Useful Websites for Photos, Distribution Maps, to Check/Update Synonymy (up-to-date names), etc.

CalFlora – great photos, maps, etc.

<http://calflora.org/>

Consortium of Pacific Northwest Herbaria – Maps of documented occurrences, images of herbarium specimens

<http://www.pnwherbaria.org/>

Flora of North America

<http://floranorthamerica.org/>

Global Biodiversity Information Facility – up to date names, distributions, photos of living plants and herbarium specimens

<https://www.gbif.org/>

Integrated Taxonomic Information Systems (within North America)

<https://itis.gov/>

Jepson Manual (California Flora) – online eflora for California

<http://ucjeps.berkeley.edu/eflora/>

Oregon Flora Project – includes a photo gallery, link to the Oregon plant checklist, Oregon atlas, etc.

<http://www.oregonflora.org/>

OSU Landscape Plants – great photos of commonly-used landscape plants; good info on identification
<https://landscapeplants.oregonstate.edu/>

Plants of the World Online/Kew
<https://powo.science.kew.org/>

Frequently Used Online Resources to Compare Herbarium Specimens

Consortium of Pacific Northwest Herbaria
<http://www.pnwherbaria.org/>

Kew Herbarium
http://apps.kew.org/herbcat/navigator.do?&_ga=2.154506992.991391379.1499717588-249895529.1473698684

NYBG Herbarium
<http://sweetgum.nybg.org/science/vh/>

Harvard University Herbarium (Arnold Arboretum)
https://kiki.huh.harvard.edu/databases/specimen_index.html

Smithsonian/US National Herbarium
<https://collections.nmnh.si.edu/search/botany/>