

Publications that used data from the Garden of Eden study: (updated by Jianwei Zhang on June 1, 2022)

1. Besyk, N.R. 2015. Predicting Phosphorus Retention in Two Haplohumult Forest Soils of Northern California. M.S. Thesis, Humboldt State Univ., 77 p. ([pdf](#))
2. Busse, M.D.; Ratcliff, A.W.; Shestak, C.J.; Powers, R.F. 2000. Non-target effects of glyphosate on soil microbes. In: Proceedings, California Weed Sci. Soc. 52: 146-150. ([pdf](#))
3. Busse, M.; Rappaport, N.G.; Powers, R.F. 2000. Tolerance of soil organisms to herbicide applications in ponderosa pine plantations: Initial findings. In: Proceedings of the 21st Annual Forest Vegetation Management Conference, January 18-20, Redding, California, p. 33-38. ([pdf](#))
4. Busse, M.D.; Ratcliff, A.W.; Shestak, C.J.; Powers, R.F. 2001. Glyphosate toxicity and the effects of long-term vegetation control on soil microbial communities. *Soil Biology and Biochemistry* 33: 1777-1789. ([pdf](#))
5. Busse, M.D.; Rappaport, N.G.; Powers, R.F. 2001. Hexazinone effects on soil biota and processes: initial findings. p. 66-72. In: Cooper, S.L. (comp.) *Proceedings*, 22nd Ann. Forest Vegetation Management Conf. Univ. California Cooperative Exten., Redding, CA. ([pdf](#))
6. Busse, M.D.; Fiddler, G.O.; Ratcliff, A.W. 2004. Ectomycorrhizal formation in herbicide-treated soils of differing clay and organic matter content. *Water, Air, and Soil Pollution* 152: 23-34. ([pdf](#))
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8. Hayes, J.P.; Schoenholtz, S.H.; Hartley, M.J.; Murphy, G.; Powers, R.F.; Berg, D.; Radosevich, S.R. 2005. Environmental consequences of intensively managed forest plantations in the Pacific Northwest. *Journal of Forestry* 103 (2): 83-87. ([pdf](#))
9. Liles, G.C.; Silva, L.C.R.; Zhang, J.W.; Horwath, W.R. 2019. Two decades of experimental manipulation reveal potential for enhanced biomass accumulation in ponderosa pine plantations across climate gradients. *Journal of Geophysical Research – Biogeosciences* 124. <https://doi.org/10.1029/2019JG005183> ([pdf](#))
10. Looney, C.E.; Zhang, J.W. 2022. Site quality and intensive early stand management practices affect growth dominance, structural complexity, and tree growth in ponderosa pine plantations. *Forest Ecology and Management* 519, 120318 <https://doi.org/10.1016/j.foreco.2022.120318>; ([pdf](#)).
11. Mahoney, R.L.; Powers, R.F. 2005. Silvicultural decisions X: Is there a future for growing and processing timber in the Inland Northwest? *Woodland Notes* 15 (2): 2, 4 University of Idaho, Moscow. pp. 2, 4.
12. McFarlane, K.J. 2008. Belowground carbon storage and soil organic matter quality following herbicide and fertilizer applications in ponderosa pine plantations along a site-quality gradient in Northern California. Ph.D. Dissertation, Oregon State Univ., 179 p.

13. McFarlane, K.J.; Schoenholtz, S.H.; Powers, R.F. 2009. Plantation management intensity affects belowground carbon and nitrogen storage in Northern California. *Soil Science Society of America Journal* 73: 1020-1032. ([pdf](#))
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15. Norlander, D.W.D. 2008. Effect of Site and Silvicultural Treatment on Insect Pests and Diseases of Young Ponderosa Pine. M.S. Thesis, Oregon State Univ., 71 p. ([pdf](#))
16. Powers, R.F.; Ferrell, G.T.; Koerber, T.W. 1992. The Garden of Eden experiment: four-year growth of ponderosa pine plantations. p. 46-63. In: Proceedings, Thirteenth Annual Forest Vegetation Management Conference. Eureka, CA. January 1992. Forest Vegetation Management Conf., Redding, CA. ([pdf](#))
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34. Wei, L.; Marshall, J.D.; Zhang, J.W.; Zhou, H.; Powers, R.F. 2014. 3-PG simulations of young ponderosa pine plantations under varied management intensity: why do they grow so differently? *Forest Ecology and Management* 313:69-82; <http://dx.doi.org/10.1016/j.foreco.2013.10.035>. ([pdf](#))
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37. Zhang, J.W.; Oliver, W.W.; Powers, R.F. 2013. Reevaluating the self-thinning boundary line for ponderosa pine (*Pinus ponderosa*) forests. **Can. J. For. Res.** 43:963-971; <https://doi.org/10.1139/cjfr-2013-0133>. (pdf)
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39. Zhang, J.W.; Fiddler, G.O.; Young, D.H.; Shestak, C.; Carlson, R. 2021. Allometry of tree biomass and carbon partitioning in ponderosa pine plantations grown under diverse conditions. **Forest Ecology and Management**. <https://doi.org/10.1016/j.foreco.2021.119526>. (pdf)
40. Zhang, J.W.; Finley, K.A.; Young, D.H.; Fiddler, G.O.; Looney, C.E. 2022. Growth response of ponderosa pine to intensive cultural treatments varies with site quality and plantation age. **Forest Science** 68(2): 214-227. <https://doi.org/10.1093/forsci/xfab065>. (pdf)
Manuscripts under preparation:
41. Zhang et al. Water use and water-use efficiency of ponderosa pine plantations vary among silvicultural treatments in California. - Target to **Agricultural and Forest Meteorology** or **Tree Physiology**.
42. Zhang et al. Carryover effect of herbicide and fertilization in the 1st rotation on growth of ponderosa pine in the 2nd rotation – Target to **Forest Ecology and Management**.