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## Soil Education Course Additional Resources & Readings

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### Chapter 1 Resources

**Interactive Soil Degradation Map**, where you can toggle individual map pieces and layers, specifically in your area of the world.

“Global Soil Degradation Severity: Maps: Data Basin.” *Global Soil Degradation Severity* | Maps | Data Basin, 2020,  
[www.databasin.org/maps/58940a97a23341db8233844a2be14319/active](http://www.databasin.org/maps/58940a97a23341db8233844a2be14319/active).

#### **Natural Disaster Relief/Recovery Assistance and Information**

“Natural Resources Conservation Service.” *Fire Recovery Assistance from the U.S. Department of Agriculture | NRCS California*, 4 Nov. 2019,  
[www.nrcs.usda.gov/wps/portal/nrcs/detail/ca/newsroom/features/?cid=nrcseprd407898](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/ca/newsroom/features/?cid=nrcseprd407898).

“Resources for Farmers Affected by the Midwest Floods.” *Farm Aid*, 9 June 2020,  
[www.farmaid.org/blog/resources-for-farmers-affected-by-the-midwest-floods/](http://www.farmaid.org/blog/resources-for-farmers-affected-by-the-midwest-floods/)

“Top Five Tips to Help Farmers Prepare for a Natural Disaster.” *AgAmerica*, 26 Aug. 2019,  
[www.agamerica.com/tips-to-prepare-farm-for-natural-disaster/](http://www.agamerica.com/tips-to-prepare-farm-for-natural-disaster/).

#### **Scientific Research Journals and Studies**

Williams, Joshua E., and Stanley V. Gregory. “Fish Occurrence in a Seasonally Inundated Floodplain of the Willamette River, Oregon.” *Northwest Science*, Northwest Scientific Association, 2018,  
[bioone.org/journals/northwest-science/volume-92/issue-3/046.092.0306/Fish-Occurrence-in-a-Seasonally-Inundated-Floodplain-of-the-Willamette/10.3955/046.092.0306.short](http://bioone.org/journals/northwest-science/volume-92/issue-3/046.092.0306/Fish-Occurrence-in-a-Seasonally-Inundated-Floodplain-of-the-Willamette/10.3955/046.092.0306.short).

“Oregon Farmers Surprised to Find Fish in Fields.” *PBS*, Public Broadcasting Service, 8 Mar. 2012, [www.pbs.org/newshour/show/oregon-farmers-surprised-to-find-fish-in-fields](http://www.pbs.org/newshour/show/oregon-farmers-surprised-to-find-fish-in-fields).

Smith, Ford. “Balancing Biology to Avoid Promoting Weeds.” *Regenerative Land Solutions*, Home, 8 Aug. 2020, [www.regenerativelandsolutions.com/blog/2020/8/8/balancing-biology-to-avoid-promoting-weeds](http://www.regenerativelandsolutions.com/blog/2020/8/8/balancing-biology-to-avoid-promoting-weeds).

## Chapter 1 Recommended Readings

**Soil Microbiology, Ecology, and Biochemistry** Edited by Eldor Paul. A scientific journal based textbook, great for referencing as you work on your soil projects. (The “Bible” for this course.)

[https://www.amazon.com/Soil-Microbiology-Ecology-Biochemistry-Eldor-ebook/dp/B00O6GP2B4/ref=sr\\_1\\_1?dchild=1&keywords=Soil+Microbiology%2C+Ecology%2C+and+Biochemistry&qid=1588791840&sr=8-1](https://www.amazon.com/Soil-Microbiology-Ecology-Biochemistry-Eldor-ebook/dp/B00O6GP2B4/ref=sr_1_1?dchild=1&keywords=Soil+Microbiology%2C+Ecology%2C+and+Biochemistry&qid=1588791840&sr=8-1)

PAUL, ELDOR A. *Soil Microbiology, Ecology and Biochemistry*. ELSEVIER ACADEMIC Press, 2017.

**The Nature and Properties of Soils** (15th Edition) by Ray Weil, Nyle Brady

[https://www.amazon.com/Nature-Properties-Soils-15th/dp/0133254488/ref=sr\\_1\\_1?crid=3AM3US2KN5B1V&dchild=1&keywords=the+nature+and+properties+of+soils+15th+edition&qid=1592252297&sprefix=the+nature+%2B+prop%2Caps%2C246&sr=8-1](https://www.amazon.com/Nature-Properties-Soils-15th/dp/0133254488/ref=sr_1_1?crid=3AM3US2KN5B1V&dchild=1&keywords=the+nature+and+properties+of+soils+15th+edition&qid=1592252297&sprefix=the+nature+%2B+prop%2Caps%2C246&sr=8-1)

Brady, Nyle C., and Ray R. Weil. *The Nature and Properties of Soils*. Pearson, 2017.

**Soil Biology Primer**, published by the USDA and is easily accessible. It outlines soil science concepts in a very succinct way.

<https://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/biology/>

Ingham, Elaine, et al. *Soil Biology Primer*. Soil and Water Conservation Society, in Cooperation with the USDA Natural Resources Conservation Service, 2000.

**Walden by Henry David Thoreau** A new edition of Henry David Thoreau’s 1854 classic work, *Walden*, a reflection on the simplicity and beauty of a life in nature. *Walden* recounts Thoreau’s experiences over a two year, two month, and two day period in which he lived by himself in a cabin he built near Walden Pond, located in an isolated stretch of woodland outside Concord, Massachusetts.

Thoreau, Henry David, and Will H. Dircks. *Walden*. W. Scott, 1886.

## Earthfort Resources

### Our Available Testing Kits & Pricing Information:

<https://www.earthfort.com/biology-soil-testing-packages/>

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<https://www.linkedin.com/company/earth-fortification-supplies-company>