



Las Flores Learning Gardens Soil & Climate Change References July 30, 2022

1. Video from Kiss the Ground “The Soil Story” simple summary of how the soil can mitigate Climate Change (4 minutes)
<https://kisstheground.com/playmedia/the-soil-story/>
2. YouTube “Put Carbon Back Where It Belongs,” Christine Jones, Elaine Ingham (6 min.) Good overview of carbon and plants
3. YouTube, “Five Ways to Save Our Soil” Gabe Brown –farmer advocate for regenerative farming (4 minutes)
https://www.youtube.com/watch?v=N_NtNyvOyRM&t=8s
4. “Hope in a Changing Climate” - John D. Liu– (YouTube 7 minutes)
<https://www.youtube.com/watch?v=yl-MFfVhTuM>
5. Adrian Ayres Fisher, Master Gardener, Sustainability Coordinator, “Carbon Gardening: A Natural Climate Solution That Can Help Reduce CO2 Emissions While Restoring Biodiversity,” Jan. 27, 2020
<https://www.resilience.org/stories/2020-01-27/carbon-gardening-a-natural-climate-solution-that-can-help-reduce-co2-emissions-while-restoring-biodiversity/>
6. “Soil Health for the Common good” UCANR (about CA Agriculture short read)
<https://ucanr.edu/blogs/blogcore/postdetail.cfm?postnum=41219>

Soil Biome:

1. YouTube “The Soil Food Web” Dr. Elaine Ingham (6 minute video)
<https://www.youtube.com/watch?v=uAMniWJm2vo&t=2s>
2. “Microbial Activity in Dry Soils” Helmholtz Center for Environmental Research, June 2017 (short read about the importance of keeping moisture in the soil)
<http://www.ahabc.de/microbial-activity-in-dry-soils-fungi-awake-bacteria-from-their-slumber/>
3. YouTube “The Slake Test” Ray Archuleta, (7 min.) This video shows how soil aggregates stay intact in water and is in our video workshops and is background for how to talk about this demonstration
https://www.youtube.com/watch?v=CEOyC_tGH64

Home Gardening Practices:

1. Adrian Ayres Fisher, "Healthy Soil, Native Planting, and Backyard Carbon Sequestration" Ecological Gardening, Nov. 20, 2015
<https://www.ecologicalgardening.net/2015/10/backyard-carbon-sequestration-what-does.html>
2. "Soil Organic Matter" Cornell University Coop Extension, Fact Sheet
<http://franklin.cce.cornell.edu/resources/soil-organic-matter-fact-sheet>
3. "Why It's Time to Stop Punishing Our Soils with Fertilizer" Yale School of the Environment, May 3, 2017 (article of an interview)
<https://e360.yale.edu/features/why-its-time-to-stop-punishing-our-soils-with-fertilizers-and-chemicals>
4. "Soil Organic Matter –Why it is important" - Noble Research Institute, (5 min. article)
<https://www.noble.org/news/publications/ag-news-and-views/2001/august/what-does-organic-matter-do-in-soil/>
5. "Soil Health," UCANR (short summary article about good soil practices, formation of aggregates)
https://ucanr.edu/sites/Nutrient_Management_Solutions/stateofscience/Soil_Health_894/
6. "One Gardener CAN make a Difference" by David Layland, Jan. 12, 2018
<https://napamg.ucanr.edu/?blogpost=26064&blogasset=72961>
7. "Soil for the Common Good," by Jeff Mitchell, UCANR, April 22, 2020,
<https://ucanr.edu/blogs/blogcore/postdetail.cfm?postnum=41219>
8. "Caring for the Soil," by Suzanne von Rosenberg, Mar. 13, 2020,
<https://napamg.ucanr.edu/?blogpost=39616&blogasset=72961>
9. "Roots," by Penny Pawl, April 17, 2020
<https://napamg.ucanr.edu/?blogpost=41168&blogasset=72961>
10. "Sustainable Gardening- Building Healthy Soil," UC master Gardening program of Contra Costa; <https://ccmg.ucanr.edu/files/141617.pdf>

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