

4 Per 1000 Initiative: Soil Health Emerges as Global Priority to Address Climate Change

Representatives at the 2015 Paris Climate Conference, led by the French Agriculture Ministry, recently opened the door for farmers and ranchers to lead climate change mitigation efforts through an innovative soil carbon sequestration effort, the [4 per 1000 Initiative: Soils for Food Security and Climate](#) (“the Initiative”).

<http://sustainableagriculture.net/blog/4per1000/>

Regenerative Ranching in North Dakota - Video

Outside Bismarck, ND is a ranch that exemplifies a quiet revolution in commercial agriculture. While more and more consumers learn about the overwhelming benefits of eating healthfully (preferably local, organic food), a growing number of farmers and ranchers are weaning themselves from the grip of a small cartel of extremely powerful chemical “pharming” corporations. They are returning to a style of farming that had always existed before. Gabe & Paul Brown are a father and son who are not shy about showing off their beautiful land and visibly happy livestock. They practice what they call “Regenerative Farming” - a set of practices that encourage biodiversity and the natural enrichment of untilled soils. Improving soil health is a priority and no-till farming has been practiced since 1993. A diverse cropping strategy, which includes cover and companion crops are used. They have eliminated the use of synthetic fertilizers, fungicides, and pesticides and use no GMO crops. The result? Incredibly good food they produce for less than half the cost of chemical farming. Yep. Better food for less money with less damage to us and the planet. Win, win and win.

<https://www.youtube.com/watch?v=RkoCY4E0Fj4&feature=youtu.be&app=desktop>

Cover Crops, a Farming Revolution With Deep Roots in the Past

http://www.nytimes.com/2016/02/07/business/cover-crops-a-farming-revolution-with-deep-roots-in-the-past.html?_r=0

A Truly Regenerative Agriculture

At Anne and Eric Nordell's Beech Grove Farm in north-central Pennsylvania, horses, cover crops, and reduced tillage add up to "bio-extensive market gardening."

<http://www.newfarm.org/features/1204/nordell/>

The Amish Farmers Reinventing Organic Agriculture

By studying the immune systems of plants, they've developed a technique that eliminates the need for chemicals.

<http://www.theatlantic.com/health/archive/2014/10/the-amish-farmer-replacing-pesticides-with-nutrition/380825/>

Acres USA: Farm Scale Permaculture in Action

As biotechnology companies tinker with the DNA of our germplasm heritage to fix perceived deficiencies in crop yields and resistance to pests, more and more farmers are looking toward natural solutions and systems of farming that not only increase productivity, but also increase the health of the land and all the creatures that inhabit it.

<http://ecologicaldesign.land/images/DecACRES2015.pdf>

Regenerative Agriculture Case Studies in Australia

<http://www.soilsforlife.org.au/case-studies.html>

Rodale Institute: Regenerative Organic Agriculture and Climate Change A Down-to-Earth Solution to Global Warming

http://rodaleinstitute.org/assets/RegenOrgAgricultureAndClimateChange_20140418.pdf

Regenerative Agriculture: Annotated Bibliography

This compilation of resources reflects the latest and best information on organic regenerative agriculture and land use practices, especially as they relate to carbon sequestration and climate change.

<https://www.organicconsumers.org/news/regenerative-agriculture-annotated-bibliography>

The 9 Most Important Techniques in Regenerative Agriculture

These are some of the most effective and important Regenerative Agriculture techniques. They can dramatically improve most farming and ranching operations. Most of them can increase profits, if applied correctly. And they are almost all guaranteed to regenerate land.

<http://sheldonfrith.com/2015/12/15/a-brief-introduction-to-most-important-techniques-in-regenerative-agriculture/>

Regeneration International - Resources for Agriculturalists

Providing resources and information to advance research and methodology in organic, regenerative agriculture to feed the world, sequester carbon and reverse climate change.

<http://regenerationinternational.org/resources/>

Carbon Sequestration Potential on Agricultural Lands: A Review of Current Science and Available Practices

Carbon sequestration on agricultural lands is possible through a range of soil management strategies and could be substantial with widespread implementation.

http://sustainableagriculture.net/wp-content/uploads/2015/12/Soil_C_review_Kane_Dec_4-final-v4.pdf

California Action and Climate Network

Many of California's most innovative sustainable and organic farmers and ranchers are using climate-friendly practices that reduce their greenhouse gas emissions and sequester carbon. These practices often also provide other health and environmental benefits such as water conservation, improved air and water quality, and enhanced wildlife habitat and biodiversity. Here are some of their stories.

<http://calclimateag.org/farmer-stories/>

Soil4Climate

Soil4Climate is an excellent resource on Facebook that shares current news, resources and case studies in regenerative agriculture.

<https://www.facebook.com/groups/Soil4Climate/>

GMO Myths & Truths: GM has had little impact on the adoption of no-till farming, and no-till with GM herbicide-tolerant crops is not environmentally friendly

<http://earthopensource.org/gmomysandtruths/sample-page/5-gm-crops-impacts-farm-environment/5-5-myth-gm-enabled-adoption-environmentally-friendly-till-farming/>

National and International Regenerative Agriculture Advocacy Groups Announce Support for Vermont Regenerative Farm Certification Bill

Vermont Bill Would Establish the Nation's First Program for Certifying Regenerative Farms.

<http://www.kisstheground.com/2016/02/10/national-and-international-regenerative-agriculture-advocacy-groups-announce-support-for-vermont-regenerative-farm-certification-bill/>

Ruminants and methane: Not the fault of the animals

<https://www.greenleft.org.au/node/60865>

Oregon farmers suffering financial losses because of GE crop contamination

According to an article by [Tracy Loew in the Statesman Journal](#), Oregon farmers reported to a Legislative committee that they are suffering real financial losses because of contamination from nearby genetically engineered crops.

<http://globaljusticeecology.org/oregon-farmers-suffering-financial-losses-because-of-ge-crop-contamination/>

Hawaii Coffee Farmers Sue Monsanto for Hiding Cancer-Causing Impact of Glyphosate

<http://ecowatch.com/2016/02/09/monsanto-sued-coffee-farmers/>

From Gluten Intolerance to Autism: Research Documents Clear Health and Environmental Risks Associated with GMOs

<http://www.compassnaturalmarketing.com/2013/11/29/research-documents-clear-health-and-environmental-risks-associated-with-gmos/>

The One Straw Revolution by Masanobu Fukuoka

"The One Straw Revolution," (New York Book Reviews), a classic memoir and guide. You'll learn about his philosophy and the Four Principles of Natural Farming: no cultivation; no chemical fertilizer or prepare compost; no weeding by tillage and herbicides; and no dependence on chemicals. Even though his methods require less labor, it can result in higher yields for your farm or garden. To learn more, visit

www.onestrawrevolution.net.

<https://www.youtube.com/watch?v=XSKSxLHMv9k>