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Regenerative Food and Farming: Survival and Revival

Analysis by Ronnie Cummins

March 12, 2022

STORY AT-A-GLANCE

- Either we move beyond merely treating the symptoms of our planetary degeneration — and build instead a new system based upon regenerative food, farming and land use, coupled with renewable energy practices and global cooperation instead of superpower competition and belligerence — or we will soon pass the point of no return
- Humans have put too much CO2 and other greenhouse gases into the atmosphere (from burning fossil fuels and destructive land use), trapping the sun's heat from radiating back into space and heating up the planet
- This mega-crisis cannot be resolved by piecemeal reforms or minor adjustments such as slightly cutting our current levels of fossil fuel use, reducing global deforestation, soil degradation or military spending
- Healthy soil, healthy plants, healthy animals, healthy people, healthy climate, healthy societies — our physical and economic health, our very survival as a species, are directly connected to the soil, biodiversity and the health and fertility of our food and farming systems
- Regenerative organic farming and land use can move us back into balance, back to a stable climate and a life-supporting environment

> *"Regenerative agriculture provides answers to the soil crisis, the food crisis, the climate crisis, and the crisis of democracy."* ~ Dr. Vandana Shiva, Co-Founder Regeneration International

Regenerative agriculture and holistic livestock management represent the next, crucial stage of organic food and farming, not only avoiding toxic pesticides, fertilizers, sewage sludge, GMO seeds and excessive greenhouse gas emissions, but regenerating soil fertility, water retention, carbon sequestration and rural livelihoods as well.

Regeneration has now become the hottest topic in the natural and organic food sector. At the same time, climate activists regularly discuss the role of organic and regenerative practices in reducing agricultural greenhouse gas emissions and sequestering excess atmospheric carbon dioxide in soils and agricultural landscapes.

Inside Regeneration International, which now includes 400 affiliates in more than 60 countries, our primary focus is moving beyond the basics of Regeneration to identifying regenerative and organic "best practices" around the globe and figuring out how to utilize farmer innovation, marketplace demand, policy reform and public and private investing to qualitatively spread and scale up these best practices so that organic and regenerative becomes the norm, rather than just the alternative, for the planet's now degenerative multitrillion-dollar food, farming and land use system.

Either we move beyond merely treating the symptoms of our planetary degeneration and build instead a new system based upon regenerative food, farming and land use, coupled with renewable energy practices and global cooperation instead of superpower competition and belligerence, or we will soon pass the point of no return.

In 2010 Olaf Christen stated, "Regenerative agriculture is an approach in agriculture that rejects pesticides and synthetic fertilizers and is intended to improve the regeneration of the topsoil, biodiversity and the water cycle."[1] This corresponds almost exactly with the stated principles of the International Federation of Organic Agriculture Movements (IFOAM) or Organics International.

Since 2014, the Rodale Institute, IFOAM, Dr. Bronner's, Dr. Mercola, Patagonia, the Real Organic Project, the Biodynamic Movement, the Organic Consumers Association, Regeneration International, Navdanya and others have also been discussing and implementing organic standards, practices and certification, which incorporate regenerative principles.

Changing the Conversation: Regenerative Food and Farming

In September 2014 a group of food, natural health and climate activists, including Vandana Shiva, Andre Leu, Will Allen, Steve Rye, Alexis Baden-Meyer and staff from Dr. Bronner's, Dr. Mercola, Organic Consumers Association and the Rodale Institute, organized a press conference at the massive climate march in New York City to announce the formation of Regeneration International and to set for ourselves a simple, but what seemed like then, ambitious, goal.

We all pledged to change the conversation on the climate crisis in the U.S. and around the world — then narrowly focused on renewable energy and energy conservation — so as to incorporate regenerative and organic food, farming and land use as a major solution, given its proven ability to drawdown and sequester massive amounts of excess carbon dioxide from the atmosphere and store it in the soil, trees, and plants.

Now, seven years later, it appears that our growing Regeneration Movement has achieved this goal. Regeneration is now the hottest topic in the natural and organic food and farming sector, while climate activists including the Sunrise Movement and Extinction Rebellion regularly talk about the role of organic and regenerative practices in reducing agricultural greenhouse gas emissions.

More and more people now understand that we can achieve, through enhanced photosynthesis and drawdown, "Net Zero" emissions by 2030, a figure that will be necessary if we are to avoid climate catastrophe.

Identifying Regenerative and Organic 'Best Practices'

Inside Regeneration International, which now includes 400 affiliates[2] in more than 60 countries, our conversation has shifted from promoting a basic discussion about organic and regenerative food, farming and land-use to identifying regenerative and organic "best practices" around the globe.

Our discussions and strategizing are not just an academic exercise. As most of us now realize, our very survival as a civilization and a species is threatened by a systemic crisis that has degraded climate stability, our food and our environment, along with every major aspect of modern life.

This mega-crisis cannot be resolved by piecemeal reforms or minor adjustments such as slightly cutting our current levels of fossil fuel use, reducing global deforestation and soil degradation or by reducing military spending.

Either we move beyond merely treating the symptoms of our planetary degeneration and build instead a new system based upon regenerative food, farming and land use, coupled with renewable energy practices and global cooperation instead of belligerence, or we will soon (likely within 25 years) pass the point of no return.

A big challenge is how do we describe the problem in such a way that everyday people understand the problem and grasp the solution that we're proposing, i.e., renewable energy and regenerative food, farming and land use?

Enhanced Photosynthesis Is All-Important

The bottom line is that humans have put too much CO2 and other greenhouse gases (especially methane and nitrous oxide) into the atmosphere (from burning fossil fuels and destructive land use), trapping the sun's heat from radiating back into space and heating up the planet.

And, unfortunately, because of the destructive food, farming and forestry practices that have degraded a major portion of the Earth's landscape, we're not drawing down enough of these CO2 emissions through plant photosynthesis, soil carbon sequestration, and perennial above ground carbon storage in biomass (forest, grass, and plants) to cool things off.

In a word, there's too much CO2 and greenhouse gas pollution blanketing the sky (and saturating the oceans) and not enough life-giving carbon in the ground and in our living plants, trees, pastures and rangelands.

Increasing plant and forest photosynthesis (accomplished via enhanced soil fertility and biological life, as well as an adequate amount of water and minerals) is the only practical way that we can draw down a significant amount of the excess CO2 and greenhouse gases in our atmosphere that are heating up the Earth and disrupting our climate.

Through photosynthesis, plants and trees utilize solar energy to break down CO2 from the atmosphere, release oxygen and transform the remaining carbon into plant biomass and liquid carbon.

Photosynthesis basically enables plants to grow above ground and produce biomass, but also stimulates growth below ground as plants transfer a portion of the liquid carbon they produce through photosynthesis into their root systems to feed the soil microorganisms that in turn feed the plant.

From the standpoint of drawing down enough CO2 and greenhouse gases from the atmosphere and sequestering them in our soils and biota, qualitatively enhanced photosynthesis is all-important.

Agave Power: Greening the Desert

As RI, OCA, and our Mexico affiliate Via Organica's contribution to the global expansion of regenerative and organic food and farming practices, we have spent the last several years working with Mexican farmers and ranchers, the Hudson Carbon Project, consumer organizations, elected political officials (mainly at the local and state level), and socially and environmentally-concerned "impact investors."

Our goal is to develop a native agave agroforestry and livestock management system that we believe can be a game-changer for much of the 40% of the world's pasturelands and rangelands that are arid and semi-arid, areas where it is now nearly impossible to grow food crops without irrigation, and where the land is too overgrazed and degraded for proper livestock grazing.

We call this Mexico-based agave and agroforestry/livestock management system Agave Power: Greening the Desert, and are happy to report that its ideas and practices are now starting to spread from the high desert plateau of Guanajuato across much of arid and semi-arid Mexico.

We now are receiving inquiries and requests for information about this agave-based, polyculture/perennial system from desert and semi-desert areas all over the world, including Central America, the Southwestern U.S., Argentina, Chile, Zimbabwe, South Africa, Australia, Lebanon, and Oman.

You can learn more about this Agave Power system on the websites of Regeneration International and the Organic Consumers Association.[3]

Primary Drivers of Regeneration and Degeneration

What I and others have learned "on the ground" trying to expand and scale-up regenerative and organic best practices is that there are four basic drivers of regenerative (or conversely degenerative) food, farming and land use.

The first driver is consumer awareness and market demand. Without an army of conscious consumers and widespread market demand, regenerative practices are unlikely to reach critical mass. The second driver is farmer, rancher and land stewardship innovation, including the development of value-added products and ecosystem restoration services.

The third driver is policy change, starting at the local and regional level. And last, but not least is regenerative finance — large-scale investing on the part of the public and private sector, what is now commonly known as "impact investing."

In order to qualitatively expand organic and regenerative best practices and achieve critical mass sufficient to transform our currently degenerative systems, we need all four of these drivers to be activated and working in synergy.

Four Contemporary Drivers of Degeneration

Let's look now at four contemporary drivers of degeneration, degenerative food, farming and land use, in order to understand what the forces or drivers are that are holding us back from moving forward to regeneration.

1. **Degenerated Grassroots Consciousness and Morale —** When literally billions of people, a critical mass of the 99%, are hungry, malnourished, and/or stuffed and supersized with ultraprocessed foods and empty calories, revolution is all but impossible.

   When billions are scared and divided, struggling to survive with justice and dignity… when the majority of the global body politic are threatened and assaulted by a toxic environment and food system; when hundreds of millions are overwhelmed by economic stress due to low wages and the high cost of living; when hundreds of millions are weakened by chronic health problems, or battered by floods, droughts and weather extremes, regenerative change — Big Change — will not come easily.

   Neither will it happen if we continue to allow endless wars and land grabs for water, land and strategic resources to spiral out of control, or fail to organize and resist on a mass scale while indentured politicians, corporations, Big Tech and the mass media manipulate crises such as COVID-19 to stamp out freedom of expression and participatory democracy in order to force a "Business-as-Usual" or "Great Reset" paradigm down our throats.

   Disempowered, exploited people, overwhelmed by the challenges of everyday survival, usually don't have the luxury of connecting the dots between the issues that are pressing down on them and focusing on the Big Picture.

   It's the job of regenerators to connect the dots between the climate crisis, COVID-19, elite control and people's everyday concerns including food, natural health, jobs and economic justice, to globalize awareness, political mobilization and, most of all, to globalize hope.

   It's the job of regenerators to make the connections between personal and public health and planetary health, to expose the truth about the origins, nature, prevention and treatment of COVID-19 and chronic disease, and to mobilize the public to reject a so-called Great Reset disguised as fundamental reform, but actually a Trojan Horse for a 21st Century Technocracy that is profoundly antidemocratic and authoritarian.

   Regenerators have to be able to make the connections between different issues and concerns, identify and support best practitioners and policies and build synergy between social forces, effectively lobby governments (starting at the local level), businesses and investors for change, all the while educating and organizing grassroots alliances and campaigns across communities, constituencies and even national borders.

   But of course this long-overdue Regeneration Revolution will not be easy, nor will it take place overnight.

   Our profoundly destructive, degenerative, climate-destabilizing food and farming system, primarily based upon industrial agriculture inputs and practices, is held together by a multibillion-dollar system of marketing and advertising that has misled or literally brainwashed a global army of consumers into believing that cheap, ultraprocessed, artificially flavored, "fast food" is not only acceptable, but "normal" and "natural."

After decades of consuming sugar, salt, carbohydrate-rich and "bad fat"-laden foods from industrial farms, animal factories and chemical manufacturing plants, many consumers have literally become addicted to the artificial flavors and aromas that make super-processed foods and "food-like substances" so popular.

2. **Degenerate 'Conventional' Farms and Livestock Management —** Compounding the lack of nutritional education, choice, poverty, inertia and apathy of a large segment of consumers, other major factors driving our degenerative food and farming system include the routine and deeply institutionalized practices of industrial and chemical-intensive farming and land use (monocropping, heavy plowing, pesticides, chemical fertilizers, GMOs, factory farms, deforestation, wetlands destruction) today.

   These soil-, climate-, health- and environmentally-destructive practices are especially prevalent on the world's 50 million large farms, which, in part, are kept in place by global government subsidies totaling $500 billion a year.

   Meanwhile, there are few or no subsidies for organic or regenerative farmers, especially small farmers (80% of the world's farmers are small farmers), nor for farmers and ranchers who seek to make this transition.

   Reinforcing these multibillion-dollar subsidies for bad farming practices are a global network of chemical- and agribusiness-controlled agricultural research and teaching institutions, focused on producing cheap food and beverages (no matter what the cost to the environment, climate and public health) and agro-export agricultural commodities (often pesticide-intensive GMO grains).

   What we need instead are subsidies for organic and regenerative practices, research and technical assistance for farmers and ranchers to produce healthy, organic and regenerative food for local, regional and domestic markets, rewarding farmers with a fair price for producing healthy food and being a steward, rather than a destroyer, of the environment.

3. **Monopoly Control —** Another driver of degeneration, holding back farmer adoption of regenerative practices and determining the type of food and crops that are produced, is the monopoly or near-monopoly control by giant agribusiness corporations over much of the food system, especially in industrialized countries, as well as the monopoly or near-monopoly control by giant retail chains such as Walmart and internet giants like Amazon.

   The out-of-control "Foodopoly" that dominates our food system is designed to maximize short-term profits and exports for the large transnational corporations, preserve patents and monopoly control over seeds, and uphold international trade agreements (NAFTA, WTO) that favor corporate agribusiness and large farms over small farms; factory farms over traditional grazing and animal husbandry; and agro- exports instead of production for local and regional markets.

   Food and farming is the largest industry in the world with consumers spending an estimated $7.5 trillion a year on food. In addition, the largely unacknowledged social, environmental and health costs (i.e., collateral damage) of the industrial food chain amounts to an additional $4.8 trillion a year.[4]

4. **Degenerate Public Policy and Public and Private Investments —** Agriculture is the largest employer in the world with 570 million farmers and farm laborers supporting 3.5 billion people in rural households and communities.[5] In addition to workers on the farm, food chain workers in processing, distribution and retail make up hundreds of millions of other jobs in the world, with over 20 million food chain workers in the U.S. alone (17.5% of the total workforce).

   This makes public policy relating to food, farming and land use very important. Unfortunately, thousands of laws and regulations are passed every year, in every country and locality, that basically prop up conventional (i.e., industrial, factory farm, export-oriented, GMO) food and farming, while there is very little legislation passed or resources geared toward promoting organic and regenerative food and farming.

   Trillions of dollars have been, and continue to be, invested in the so-called "conventional" food and farming sector, including trillions from the savings and pension funds of many conscious consumers, who would no doubt prefer their savings to be invested in a different manner, if they knew how to do this.

   Unfortunately, only a tiny percentage of public or private investment is currently going toward organic, grass fed, free-range and other healthy foods produced by small and medium-sized farms and ranches for local and regional consumption.

Healthy soil, healthy plants, healthy animals, healthy people, healthy climate, healthy societies — our physical and economic health, our very survival as a species, are directly connected to the soil, biodiversity and the health and fertility of our food and farming systems. Regenerative organic farming and land use can move us back into balance, back to a stable climate and a life-supporting environment.

It's time to move beyond degenerate ethics, farming, land use, energy policies, politics and economics. It's time to move beyond "too little, too late" mitigation and sustainability strategies. It's time to inspire and mobilize a mighty global army of Regenerators, before it's too late.

Drive the Change for Sustainable Food – Support Regenerative Farming

Your health depends on the quality of the food you eat, which is dependent on the health of the soil where it's grown. Unfortunately, modern farming and food production practices have stripped the soil of nutrients and created a series of interlaced health and environmental problems which include food insecurity, diminishing fresh water supply, toxic agricultural chemical pollution and an increase in chronic disease.

Regenerative agriculture can help solve these problems by restoring soil biodiversity. It supports the ecosystem and the environment as a whole, resulting in healthier, more nutritious crops that are resilient against pests without the use of toxic chemicals. This is why I support Organic Consumers Association (OCA) in promoting widespread implementation of regenerative food and farming practices.

Organic Consumers Association

Donate Today

To contribute to this mission, Mercola.com is celebrating Regenerative Food and Farming Awareness Week from March 6 to March 12, 2022. During this week, we will help raise public awareness about the importance of adopting regenerative agriculture for sustainable food and farming. We also will be donating $3 for every $1 donated to OCA this week, up to $250,000. Please help me drive this change for the future generations.

+ Sources and References

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Red_Corvair
Joined On 4/9/2021 4:40:27 AM
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I totally agree with the project of removing the responsibility to feed the world from the agribusiness and give it to people with a conscience who respect other human beings and the earth. But no, there is no 'human-caused' climate warming. The theories behind it are as 'firmly based on science' as Imperial College London, Neil Ferguson's modelling about the projected death figures for 'covid' early in 2020... So please stop using that bogus argument of 'human-caused climate warming', above all when you defend the cause of real environmentalism, not some greenwashing scam based on mandatory false science and promoted by big corporate whose aim is to force total control and censorship on every human move on the planet: people who couldn't care less about the sake of their fellow human beings or the cause of the respect of the environment.

Reply | Mark as Spam | Posted On 3/12/2022 7:52:14 AM
Like | Dislike

rco94872
Joined On 7/5/2014 7:39:45 AM
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On youtube is a documentary of sorts by Alan Savory, Running Out of Time. It pertains to better farming by retention of water. If you are in to organic farming, as I am, it is a got to watch .He has also done a number of videos on youtube which are well worth watching. Water, its misuse, nationalization of, and diminishing supply is rapidly becoming an international issue. Please watch.

Reply | Mark as Spam | Posted On 3/12/2022 6:12:59 AM
Like | Dislike

axkershaw
Joined On 7/8/2013 3:01:14 PM
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What Savory and the regenerative movement is advocating has happened in the past. After Columbus, population in the West fell by as much as 98%. The abandoned gardens and fields went to weeds and then grasslands and/or forests. With the apex predator much reduced, grazing animals proliferated. As a consequence, so much CO_2 was drawn from the air and stored in the soil that temperatures dropped 1C world wide creating the Little Ice Age. They started having ice festivals ON the Thames! In the Netflix movie "Kiss the Ground" they show that the soil can hold 3 times the carbon as the air and above ground vegetation combined.

Before the invasion of the plow, the Great Plains with its deep top soil held more carbon than the Amazon with its thin and easily depleted top soil. That carbon rich and moisture laden top soil support 100 million large grazers, countless medium and small herbivores like beavers and ground hogs, birds and waterfowl that blocked the sun, rivers that ran clear year round and were teeming with fish and all of their predators and scavengers including humans. Industrial agriculture has destroyed all that. But as we say in America; "Nature always bats last." Industrial agriculture is unsustainable and will collapse of its own destruction or by rising sea levels and population crash.

It is possible if enough humans convert to eating only organic and regeneratively produced food that global warming will reverse. Soulless Corporations will have to be defeated or converted. If not, Pachamama will prevail. Because of natural sun variation and orbit variations, the earth should already be well into the next ice age per the Milancovich Cycle. The GHG build up in the atmosphere has overwhelmed the natural cycle. That presents the possibility of balancing GHG with the sun cycle so that Goldilocks can always have it just right. Possible but NOT LIKELY!

Mark as Spam | Posted On 3/12/2022 8:37:32 AM

Like Dislike

Shepard505

Joined On 7/26/2018 10:09:50 AM

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We would prefer to continue grazing livestock without commercial fertilizer, although now with somewhat less profitable cattle than sheep after coyotes became such a problem. The reality for many is being able to keep the ranch in California. Property taxes and insurance are the same with or without fertilizer used. Just passed Proposition 19 removed most of the parent child property tax reassessment exclusion. Contemplating property taxes increasing from under $20,000 to $80,000 plus. This is more than gross farm income, not profit, has us looking at vineyard leases on a pasture sacrifice area and other practices we would rather avoid, but better than having to sell a beautiful property. Government needs to be smaller and less taxing.

Reply | Mark as Spam | Posted On 3/12/2022 12:10:45 PM

Like Dislike

MysticTuba

Joined On 5/28/2009 10:48:57 AM

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Rather than debate the "yes or no" of climate change, what I'm' concerned about is the totally contaminated and mineral-depleted food supply. I remember what organic food was BEFORE the law was changed to make it legal to contaminate it too, so that Big Ag could continue to make its profits and apply its poisons. I would so totally love to move to a community that was living via regenerative agriculture. I am too old now to be of much use for physical labor, but I can afford to get some acreage. I continue to see al this blather about what we SHOULD do but nothing organized to actually DO it.

Reply | Mark as Spam | Posted On 3/12/2022 9:48:25 AM

Like Dislike

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thinkinmama

Joined On 6/28/2021 12:29:53 PM

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I completely agree. Glyphosate is ruining the land, air, and water while killing people with cancer and numerous other diseases. In the End Game docuseries Dr. Zach Bush explained that how 87% of rainwater in the US is contaminated with glyphosate and other chemicals. 77% of the air we breathe is toxic as well. Mice that were exposed to glyphosate in utero with no further exposure showed metabolic disturbances. The next generation showed obesity, diabetes, neurodegenerative diseases, etc. Thirs gen showed genetic disturbances including infertility. For humans with the introduction of glyphosate kids born 1996-2006 are the first generation.

Many people living in remote locations test positive for glyphosate simply from the water they use being contaminated. We can think industrial ag for this. The use of glyphosate on crops will eventually ruin the soil and it won't be usable for farming which will then create a bigger problem than what we're facing now. It's more important than ever for people to be more self sufficient. For people living in cities with no land or high rise buildings there are vertical hydroponic gardens that take up very little space.

Mark as Spam | Posted On 3/12/2022 10:37:14 AM

Like Dislike

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cwc0000

Joined On 6/19/2006 7:59:41 PM

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... and people need to turn back to God The Founding Fathers were CRYSTAL CLEAR, that the Constitutional Republic we were given was only designed for a MORAL people. In addition, Gen. and Pres. George Washington was very clear as well, stating that the only reason America won the Revolutionary War, was due to the hand of God delivering miracle after miracle, which he himself witnessed firsthand. Including a coat full of bullet holes from one battle, none of which had touched him. He also said, that if America would like to continue to

be blessed by God, that we should not forget to put him first.

(paraphrase) The bible says that it does not matter the size of the walls or army, the city that is protected, is the one whose people are 100% devoted to God with all their heart and obey him. Selah. Purim is coming up on March 16th, when we remember how God saved the Jews, from the wicked Haman. The brave hero Mordecai refused to bow or comply with the wicked Haman, we all should do the same with the completely evil NWO Globalists running nearly everything right now.

Reply | Mark as Spam | Posted On 3/12/2022 9:04:00 AM

Like Dislike

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zot.zot
Joined On 7/31/2010 8:25:06 PM
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This statement is not true. "Humans have put too much CO2 and other greenhouse gases into the atmosphere (from burning fossil fuels and destructive land use), trapping the sun's heat from radiating back into space and heating up the planet." CO2 has no connection to climate change which is a natural part of the sun cycle. The important part of increasing CO2 is that it FEEDS PLANTS. If you want a lush planet with abundant life then CO2 could rise to 400ppm with no detrimental effect on the planet or humans.

BTW - coal is a fossil fuel. Oil probably not as the temperature and pressures required to make it happen deep within the earth and that is demonstrated by the played out oil wells that refill. There is a great explanation of this in the museum in Midland, TX, in the heart of oil country. It is actually a Russian theory now supported by many others -
canadafreepress.com/article/oil-is-not-a-fossil-fuel-and-agw-is-non-sc.. - viewzone.com/abioticoilx.html -

Reply | Mark as Spam | Posted On 3/12/2022 8:58:17 AM

Like Dislike

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juststeve
Joined On 1/5/2012 11:13:54 AM
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What matters most is Regenerative Biodynamic Agriculture addresses nearly every issue the Predator$ use in their many control mechanism, the many & different yet to be acknowledged Mass Formation Psychosis systems. Regenerative Biodynamic Agriculture nurtures & nourishes the Pillars of Life, the Foundations of Life, Soil, Water, Air, all manners of Life Great & Small. Whether one subscribes to Global Warming or not makes little to no difference when the toxins, the destruction of the Health of All and Everything are for the most actually tied to those things emitting Carbon. Carbon is mostly & can be a free fertilizer.

All Life uses Carbon, choose to use the Carbon for Life. To engage in Regenerative Biodynamic Agriculture Heals without Stealing. It has the potential to sever ties from the exploitive, destructive Rockerfeller Finance, Big Oil influence, control systems. We can argue until the cows come home to heal the soil about whether Climate Change is real or not, or, we can engage in healthy positive activities benefitting all that lives in Our Garden, Planet Earth. Because we will get worse than nothing from Predator$ perhaps we can build a Credit Union type banking system where we can contribute moneys to be used for real & legitimate Regenerative Biodynamic Agriculture.

If we are to tie ourselves to the Predator$ systems, or their good graces, is much like hoping the Easter Bunny or Santa Claus is going fix it all. Predator$ history for thousands of years is to steal, destroy & leave deserts. We Can Heal, We Can Green the Deserts, We Can Renew, Recharge the Foundations of Life. As Vadana Shiva says, it is the 1% vs. the Oneness. We are one life, when the Foundations of Life are healthy is when our chances of being healthy are greatest.

Reply | Mark as Spam | Posted On 3/12/2022 6:47:39 AM

Like Dislike

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junebabywoh.rr.com
Joined On 8/30/2017 2:46:20 PM
Add as Friend | Send Message

I tune out anyone that blames humans for to much co2? that is propaganda!

Reply | Mark as Spam | Posted On 3/12/2022 6:11:13 AM

Like Dislike

ReluctantWarrior
Joined On 1/29/2018 8:51:53 AM
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This is a very important issue that will determine the health of the planet and the species. Our soil has become depleted of nutrients and laced with toxins because of modern agribusiness practices. In the future we must strive for local self-reliance and the ability to grow our own food and regenerate the soil. Most produce today is sadly lacking in proper nutrient levels because the soil lacks the needed nutrients. This carries over and greatly effect human health as well as the health of other life forms. It all begins with soil quality.

Reply | Mark as Spam | Posted On 3/13/2022 7:23:54 AM

Like Dislike

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kjf9267
Joined On 1/16/2016 7:52:26 AM
Add as Friend | Send Message

You've probably mentioned this in the past, but the regeneration described in the documentary The Biggest Little Farm is a perfect example of what needs to happen everywhere.

Reply | Mark as Spam | Posted On 3/12/2022 10:19:43 AM

Like Dislike

mirandola
Joined On 6/27/2014 7:00:58 AM
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Please also consider writing to LL Bean, Levi Strauss, and other clothing manufacturers, asking them to *SOLELY* carry organic cotton instead of GMO sprayed with glyphosate. We should do this in droves. Also write to restaurants and food manufacturers, ask them to carry SOLELY organic food...not just non-GMO, which can be sprayed with glyphosate unless it is organic. Please tell them all that the newest and coolest way to "Go green" and to project a great business image, is to go organic. Ask lifestyles and gardening editors to do the same. Please stress that bees are dying from pesticides of all kinds, not just neonicotinoids, and that glyphosate also plays a major role in bee colony collapse disorder (multiples of studies about this on Pubmed, please link them). Tell them that if the bees die then all economic gain is lost, motivate them. We can win this! Thank you all.

Reply | Mark as Spam | Posted On 3/12/2022 7:20:50 AM
Like Dislike

grulla
Joined On 1/17/2012 8:03:55 AM
Add as Friend | Send Message

"Please also consider writing to LL Bean, Levi Strauss, and other clothing manufacturers, asking them to *SOLELY* carry organic cotton instead of GMO sprayed with glyphosate." And also, don't forget hemp.

Mark as Spam | Posted On 3/12/2022 10:17:40 AM
Like Dislike

mdbrown7111
Joined On 3/7/2013 1:31:33 PM
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I don't know. The average person I know is wholly ignorant of the truth and fully under the control or at least influence of social media. They eat crap. Wear masks. Get jabbed. Imo the fight is far from over and will likely require more than simply changing our ways.

Reply | Mark as Spam | Posted On 3/12/2022 6:55:59 AM
Like Dislike

Nadine17
Joined On 6/20/2006 1:38:15 AM
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Everyone needs a victory garden.

Reply | Mark as Spam | Posted On 3/12/2022 6:41:57 AM
Like Dislike

rco94872
Joined On 7/5/2014 7:39:45 AM
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The world is returning to nuclear power. China has brought 28 new reactors online and have 32 more in the planning stage. Many countries are reviving their nuclear programs. However I have read coal will be the major producer of energy for the next 30 years.

Reply | Mark as Spam | Posted On 3/12/2022 6:21:01 AM
Like Dislike

grulla
Joined On 1/17/2012 8:03:55 AM
Add as Friend | Send Message

Or perhaps the safer liquid fluoride thorium reactor (LFTR). https://www.thmsr.com/en/lftr/

Mark as Spam | Posted On 3/12/2022 10:22:43 AM
Like Dislike

Joe_Below
Joined On 3/17/2020 11:04:08 PM
Add as Friend | Send Message

CO2 is not a problem. What is this nonsense? Are phony climate crisis articles going to be a regular thing?

Reply | Mark as Spam | Posted On 3/12/2022 12:14:48 AM
Like Dislike

Almond
Joined On 2/26/2008 4:23:33 PM
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Joe and all... My best guess is that we are actually in a long-term natural cooling cycle and there is not much man can do about it. Leave it to the govt to be 180-degrees off target, if you need any more proof. Why else would my corn take longer to ripen than decades ago? Why did Glacier National Park need to remove their sign about global warming saying the glaciers were melting after they actually expanded? Short of a nuclear war or volcanic action, nature will continue thru regular cycles. While I do not believe in polluting the planet or destroying the soil, the real risk of extreme enviro-wackoism is that many people will be left to starve and freeze in the dark, leading to social unrest accompanied by destruction and violence.

One thing is for sure--govt is not here to help. I have long struggled to understand many of the trends in agriculture. Every time someone tries to explain them to me, it sounds like traditional farming methods. We already practice many of these methods. However, each parcel of land is unique and not all may be practical. I believe small vertically-integrated farms will be more likely to survive if governments allow farmers to keep their land. When economic systems collapse, there are supply chain distribution problems with transportation and shortages of goods, labor shortages.

It is the smaller farms that will survive even if they do not thrive. Unlike large corporate farms, they are not dependent on govt subsidies, are worked by families, can produce their own feed and fertilizers, can market a high quality product locally. Likewise, a large garden is a good investment--if you save your own heirloom seed, have a fully stocked pantry and do not need to buy many groceries. Add poultry and fruit trees and you will thrive. Wages are not keeping pace with inflation. You need to figure out how to produce more stuff for yourself without needing as much money. -continued-

Mark as Spam | Posted On 3/12/2022 2:48:53 AM
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skupe59
Joined On 5/2/2009 7:28:21 AM
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I agree. I learned about CO2 as a 3rd or 4th grade student and then as a reminder from naturalnews.com. So I chuckle whenever I hear/read MSM or other KoolAid drinkers refer to a climate crisis. Almond mentioned that large corporate farms like Perdue and others being dependent on subsidies. This is one reason I wanted to help the smaller, organic and grass-fed food companies and farmer's markets when I started eating organic about 20 years ago. The food is so much better, healthier, and much more fun to help the little guy.

Mark as Spam | Posted On 3/12/2022 2:59:28 AM
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Almond
Joined On 2/26/2008 4:23:33 PM
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-continued- I have been gardening for a while, so have basic tools like shovels and pruning shears. I salvaged reusable garden posts and cut more from slash. We recycle what people discard to make trellises--old broken ladders, bedsteads, pallets, etc. I save my seed and compost, too. I prob have over a hundred seed starter pots (1- and 2-gallon sizes) along my indoor windows and in a sheltered outdoor location. Many contain several seed starts. I am also starting sweet potato slips. We use homemade pesticides with soap, garlic and sometimes cayenne. I invested in a bottle of organic orchard spray which should last years. We also stocked up on diatomaceous earth over a year ago, realizing prices would increase and there might be shortages.

My seed costs for this year come to $20--only because there are some seeds I cannot collect because of our short growing season. I plan to buy one more fruit tree if it is finally avail (covid shortages). I should find it in-stock this year. It is a "want", not a "necessity". We salvaged and rehomed many old varieties of unwanted fruit trees to start our orchard by digging them out of people's lawns. (Craigslist free) We got free starts of caneberries, grapes, rhubarb, horseradish, etc., from other gardeners. This year, I will plant over an acre. Our backyard "kitchen garden" is small and intensive.

For many years, we survived on only what we produced in our kitchen garden, gleaned or foraged. Our first year of marriage, I had only a 10 x 10 garden, but canned 500 jars. (We may waste space in our larger garden to make it easier to manage with wider pathways between rows.) We expect to get more than enough food to get us through the year for a very modest $investment$. It is a very small amount of money compared to the cost of groceries. In addition, we will turn completely vegetarian for about 3 months during harvest season. Because of the larger garden, there will be extra food for friends and neighbors who will need it.

Mark as Spam | Posted On 3/12/2022 3:21:40 AM
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ChrisColes
Joined On 5/3/2009 2:40:01 AM
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Joe-Below Almond The seeming "My best guess is that we are actually in a long-term natural cooling cycle" has been caused by a very simple fact; China has been building coal fired electricity power stations, like we had when I was a child here in the UK, where every town had one . . . thousands of them, for many years. All burning coal. What that did is remarkable, it created a very large increase in the energy (heat) input to their side of the North polar air mass, that has, in turn, pushed the North polar ice cap air mass towards North America . . . which is why cities like Houston can suddenly get hard frosts. When you watch TV weather forecasts, and you see a movement of a massive cold air mass down through the US, what you do not see is the warm air mass on the other side of the planet, pushing all that cold air towards you.

Again, here in the UK, we now seldom see any snow, here in the South of England, this last winter . . . we had one day with snow, and then just a light covering. Recently I had been attending major international conferences in Paris France, where I would get into conversation with people from the likes of Austria, where they tell me that they have had recent winters with no snow. There are dramatic changes to the weather going on and what is experienced will directly relate to the locality.

here in the UK global warming is VERY evident, and has been so for several decades. Recently PBS America broadcast a movie about a group of Americans that had, many years ago, set out to drive snowmobiles to the North Pole; which they did. At the end of the movie, they showed they could not even attempt it today as the ice has melted. take a look at this web site on a regular basis, and learn. nsidc.org/arcticseaicenews Global warming is real and well documented. Some of us see much more evidence than others.

Mark as Spam | Posted On 3/12/2022 4:58:43 AM
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eiggod8
Joined On 9/18/2009 8:16:13 AM
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Thank you for the sanity Chris Coles. This is clearly not a slow evolving natural climate change. When wild fires, droughts, extreme floods, species extinctions happen dramatically within the space of 1-5-10- or even 100 years, that is not a natural evolution. It is man-made. When 75 years worth of methane gas is fully released from the not-so-frozen North, suffocation will be an unpleasant death for wildlife and humans.

Mark as Spam | Posted On 3/12/2022 9:23:20 AM
Like Dislike

dca1277
Joined On 3/2/2019 7:46:35 PM
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Joe_Below, Probably, along with how the Convid virus has been isolated, or how the disease is caused by Sars Cov2.

Mark as Spam | Posted On 3/12/2022 9:59:17 AM
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dca1277
Joined On 3/2/2019 7:46:35 PM
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How unbelievable that the propaganda of too many "green house gases and CO2 perpetrated by the use of fossil fuels" is in this article. Are you kidding me? On this site! How stupid can you be to not understand at This point, that all our weather is controlled by HAARP and DARPA and the MIC,intentionally, to destroy and control the populations? And to still call oil "fossil fuels" is mind boggling. Crude oil is NOT a fossil fuel, it is a renewable energy source. Coal is a renewable energy source. The same goes for the fake induced droughts. Water is a renewable resource. Look into Primary Water instead of buying into this contrived B### S%%%. That's why they're pushing this war etc. etc. to force their New Green Deal and the electric auto garbage that can easily be shut off remotely.

Reply | Mark as Spam | Posted On 3/12/2022 9:30:21 AM
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susancactus
Joined On 12/24/2011 12:26:20 PM
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I agree and the Green New Deal is all about control and the abrogation of private property rights. I was trained under the Savory Institute and Permaculture Design in Colorado. Visited ranches all over the Southwest. I agree with all these practices but this is the reality. The Great Reset, aka Green New Deal and Technocracy, requires the complete transformation of all elements of society, from legal frameworks to trade to population control. The global Deutsche Bank has revealed that it will take a "certain degree of eco-dictatorship" to get there. Scientific dictatorship is the key outcome of Technocracy is a civilizational trap of no return.

- TN Editor An analysis published by Deutsche Bank sharply criticises the "dishonest debate" with which the EU is selling its "Green Deal" to the people of Europe. The massive risks of the project for prosperity, the economic system and democracy itself should not be concealed, but should be addressed openly. Eric Heymann, a senior economist at Deutsche Bank Research, warns that Europe's Green Deal and its goal of climate neutrality by 2050 threatens a European mega-crisis, leading to "noticeable loss of welfare and jobs".

And he warns: It won't work without "a certain degree of eco-dictatorship". The analyst describes it as dubious that the Green Deal is being touted across the board as "a new growth strategy" which would allow the EU to become a "fair and prosperous society." While this may look good on paper, Heymann writes, in order to achieve carbon neutral by 2050, Europe's economy and its entire political and legal systems will have to be changed fundamentally.
www.technocracy.news/deutsche-bank-green-new-deal-requires-certain-deg..

Mark as Spam | Posted On 3/12/2022 10:43:01 AM
Like Dislike

sussmuss
Joined On 6/4/2009 1:04:56 PM
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I also was in disbelief!!! Great job on calling this absurdity out! Thank you! I knew this cummings fella was out of line from many years ago he had revealed himself; Mercola is going to be targeted by disinfo agents to bring him into line is my thoughts! Perhaps he has been already? I surely hope not, but with out a resolve that one is willing to loose all their worldly "stuff" they can be controlled!

Mark as Spam | Posted On 3/13/2022 8:46:49 AM
Like Dislike

junebabywoh.rr.com
Joined On 8/30/2017 2:46:20 PM
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The guy that wrote this article is Ronnie Cummins who is a BIG climate change advocate! Which is why I tune out everything he writes even though he probably is right about some farming techniques? Climate change advocates are destroying our country for no reason! MERCOLA HAS SUCCUMB TO THE CRAZIENESS OF CLIMATE CHANGE AND THAT IS ANOTHER DISAPPOINTMENT !!!

Reply | Mark as Spam | Posted On 3/12/2022 6:19:21 AM

Like Dislike

dca1277

Joined On 3/2/2019 7:46:35 PM

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Agreed as it's so clear to me. Go read my response above. All the other "intellectuals" on this site are still blaming China, and coal fired energy plants, and fuel-run autos, and normal earth cycles (in part true).

Mark as Spam | Posted On 3/12/2022 9:47:49 AM

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