



www.natureswayresources.com

JOHN'S CORNER:

NEWS FROM THE WONDERFUL WORLD OF SOIL AND PLANTS

by John Ferguson

Many times, over the last few years I have reported on the research on the different dangers of fluoride exposure and how it hurts everything from soils, plants, microbes, animals, and people. The fluoridation of water supplies was a massive scam to get rid of a hazardous material and protect the profits of several industries

FLOURIDE Update #12

Several environmental health groups filed a lawsuit under Section 21 of the Toxic Substances Control Act in November 2016. This was by a coalition including FAN (Fluoride Action Network), Food & Water Watch, Organic Consumers Association, American Academy of Environmental Medicine, International Academy of Oral Medicine and Toxicology, Moms Against Fluoridation and several individuals all calling on the EPA to ban the deliberate addition of fluoridating chemicals to U.S. drinking water.

The trial began on June 8, 2020. During the trial the EPA's own scientists agreed under oath that the evidence supports the biological case that fluoride causes neurotoxic effects in human beings!



www.natureswayresources.com

Evidence presented during the trial included over 300 animal and human studies that shows water fluoridation poses a significant risk to children's brains and significantly lowers IQ.

A more recent study published in 2020 by the National Toxicology Program included 149 human studies and 339 animal studies, that concluded fluoride was a neurotoxin based on the quality and consistency of the brain studies.

These studies have also shown that fluoride is an endocrine disruptor that suppresses thyroid function and promotes iodine deficiency.

From the Doctor Mercola's newsletter, "During the Manhattan Project, enormous amounts of fluoride chemicals were used in the processing of uranium for the atom bomb.

Records clearly show fluoride was a highly dangerous substance causing significant environmental harm. In 1946, farmers in Salem County sued the U.S. government for \$400,000 in damages to peach crops caused by fluoride fumes traced back to a facility involved in the bomb-making process. Cattle were also killed.

As noted by Connett, the aluminum and bomb-making industries realized they had a serious problem on their hands and were facing staggering liability for fluoride pollution. As a result, you start to see a shift in the science at that time. Harmful effects on human health were suppressed, and potential benefits were being introduced — even before there was any safety data available whatsoever."



www.natureswayresources.com

In reality, studies have found that children with fluorosis have increased rates of cavities - a finding that suggests more fluoride is definitely not better, not even when it comes to protecting against cavities.

For the full report from Dr. Mercola go to: www.articles.mercola.com

[The Fluoride Action Network](#) is another good source of information:

In previous articles I have reported that another major source of fluoride is from the manufacture of artificial fertilizers that is produced from phosphate mining.

When one uses artificial fertilizer, you are part of the problem versus when one uses organic fertilizers one is part of the solution.

The EPA continues to earn its nickname "The Enhanced Profit Agency".

Note: Fluoride does not prevent cavities and often makes them and other dental problems worse. I bet you can guess which industry profits the most from this effect.

Note: Many species of plants are fluoride sensitive and when watered with municipal water containing fluoride it weakens their immune system resulting in increased disease and insect problems.



www.natureswayresources.com

A recent study published in the journal *Ecological Applications* (2020) by the University of Washington and the US Forest Service, following the massive 2014 Carlton fire in Washington State that burned 250,000 acres, was on the benefits of prescribed burning.

They found that tree thinning and prescribed burns helped forest naturally survive fires. Small prescribed burns prevent fuel buildup, hence limiting the energy or heat from being so intense that the heat would cause damage to the trees. They found that areas that had prescribed burns suffered far less damage to the trees.

A few years ago, I took a week-long course at Texas Tech University on prescribed burns. Nature (God) uses small burns to control invasive plants, recycle nutrients back into the soil, create shrub understory that many species of plants and wildlife need.

In Texas we are lucky as we have several prescribed burn associations to help property owners manage their farms and ranches.

A related study published in the *Proceedings of the National Academy of Science* (2020) by researchers at Northwestern University has found that prescribed burns are critical for successful reproduction of prairie plants (grasses, wildflowers, forbs, etc.).

One of the benefits of a burn is that as the plants regrow, their flowering is synchronized ensuring a much higher rates of successful pollination, resulting in more viable seeds, ensuring survival of the species and prevents local extinction.



Several times over the last few years we have reported on research that trees have some form of intelligence. A new paper published in the journal Current Biology by researchers from the University of Helsinki supports this idea.

Trees are known for their weight, height and trunk diameter, however the principle of how they respond to their increasing weight is unknown. As a result, a theory of “vertical proprioception” has been developed that explains a mechanism that balances radial growth of the stem with weight increases.

Through a series of tests, they found that trees adjust their stem radial growth in response to the added weight and the strength of this response varied along the length of the stem.

We have believed for some time that the trees sense their own weight and thicken their stems accordingly. This is the first study that supports that observation.

Researchers at Rice University published a report in Science Advances (2020) on how plants regulate the acquisition of nutrients and pest control. They found that plants have evolved to call for nutrients they need by using bacteria.



www.natureswayresources.com

They looked at how plants measure the local environment and when required release chemicals called flavonoids which attract the microbes (others call these compounds root exudates).

They found that organic carbon in the soil was essential to this process. We have known for some time that organic matter in the soil (humus or compost) is required for healthy plants. They found that dissolved carbon shuts down some of this signaling process. This is one mechanism where plants decide to spend their energy from root exudates to attract certain microbes or not.