

# Our Electrical Mother Earth

*in bees* by lady september 24, 2017 0 comments

## Our Electrical Mother

Lady Spirit Moon

The more I study bees, the more I learn about Mother shows us how She can work with everything and everyone living on Her. But many of our most intelligent creatures are missing the point, or ignoring it and Her. You will note that I capitalize the pronouns pertaining to Mother Earth. Without 6" of soil, humans would not survive; not everything can be grown in hydroponics. She nurtures our bodies and provides for our external needs, so to me this makes Her sacred.

Through the years, I kept picking up bits and pieces of information regarding the electric magnetic field surrounding the earth and how electricity plays a part in *everything*, including humans. It started with my organic gardening. A half lifetime ago I wrote a column called Herbal Corner for our local newspaper and researched everything

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after a thunderstorm? It is the lightning releasing the nitrogen from the air and all the plants take it in. Old timey gardeners used their wives' nylons with runs in them to tie their tomato plants to a metal pole or rebar, and got the same results. As the wind moves the plant back and forth, the friction of the nylon on the metal pole creates a small static electricity that releases tiny amounts of nitrogen from the air. The tomato plant absorbs it, causing the plant to grow more and larger. I found that it works and can imagine this technique working with other plants tied by nylon to a metal pole. I was once caught out in an thunderstorm with lightening and was hyper energized when it was over.

Rub your feet across the carpet and you pick up a spark of static electricity. The same with a balloon – rub it on your arm and the balloon will stick to you. Women will often get a static shock when they get out of their vehicles at a gas station and touch the gas pump. And have you thought about clothes clinging to other fabrics when you bring them out of the dryer?

## **Electromagnetic Fields – Geomagnetic Lines**



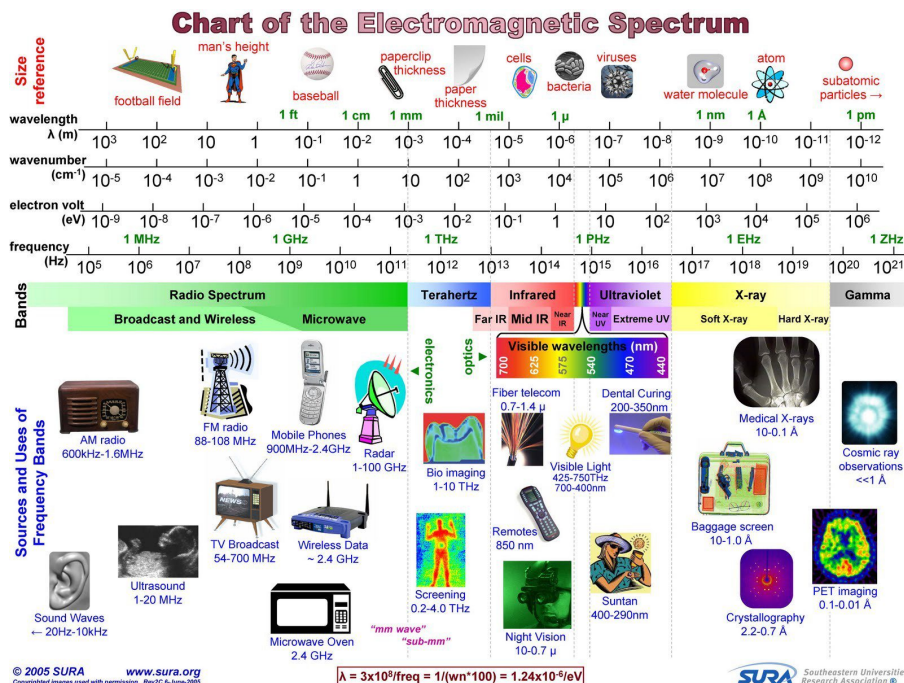
surrounding it and certain species can detect it through their Magnetoreception (also magnetoception) sense:

“... allows an organism to detect a magnetic field to perceive direction, altitude or location. This sensory modality is used by a range of animals for orientation and navigation, and as a method for animals to develop regional maps. For the purpose of navigation, magnetoreception deals with the detection of the Earth’s magnetic field. It is present in bacteria, arthropods, mollusks and members of all major taxonomic groups of vertebrates. Humans are not thought to have a magnetic sense, but there is a protein (Cryptochrome) in the eye which could serve this function.”

Migratory birds use this geomagnetic field that comes from below the earth’s surface and extends thousands of feet above the earth. For eons, animals have used these fields to move from one place to another. Our nomadic ancestors were known to sense these geomagnetic fields, according to Robert Watkins and his discovery of “Ley Lines.” Today some of our sacred sites are located on these lines. Mr. Watkins termed the nickname *Ley Lines*. This was later changed to the correct name of geomagnetic lines.



“In 1992, Bruce Tainio of Tainio Technology, an independent division of Eastern State University in Cheney, Washington, built the first frequency monitor in the world. Tainio has determined that the average frequency of the human body during the daytime is 62-68 Hz.”



## Insects and Plants Communicating through Electricity

The late Eddie Woods created the Apidictor, a device used to hear the bees communicate at different hertz, even just before a swarm, which is about 400 hertz. I have learned to



when it's time to get out of the hive because I am intruding on something private.

My first experience with geomagnetic lines was when our excavator wanted to find where we buried the water and electric lines. We made a pair of divining rods out of copper rods and held them in our hands with the rod pointed outward, away from us. The rods moved toward each other when we were over a broken space under the earth's surface. A water dowser does the same with their divining rods. The rods pick up the geomagnetic line from the surface and move in the directional flow of how the electromagnetic either to opposite sides or toward each.

The geomagnetic lines of the inner earth vibrate at 7.83 Hz. When a water vein crosses, say at 200'-500' below ground, this can cause stress lines of up to 250 Hz. Water pollution, i.e. salt, iron, dust, etc., is what conducts electricity – the more pollution the higher the conduction. According to John Hunter, beekeeper in UK, a healthy hive vibrates between 190 to 250 hertz per second and has proven this through his 26 years of beekeeping experiences. He has no Varroa issues. Neither do I. Going back over years of notes, I read



All insects vibrate at different hertz, as do plants. [i] So it is assumed that Varroa also vibrate at a different frequency level, which is probably why I don't see any in my apiary. [I couldn't find any studies done on Varroa frequencies.] I took my homemade divining rods to my apiary to locate the underground currents and was surprised to discover that the hives not only touched the geomagnetic lines on either side, but that they also crossed in front and back, putting the hives in the middle of the crossing. They prefer to be over it, but it seemed sufficient. In the past I had intuited where to place them.

## **Using Electricity to Communicate**

Our honeybees use electrical vibrations to communicate their dances with sound waves measuring 250 hertz. While tapping their feet on a comb, the bees will vibrate their wings at the same 250 cycles per second, which is about average. [ii] The resonating sound of their feet tapping on the comb will be felt from one end of the comb to the other. The thicker the comb, the deeper the resonating sound.





“They buzz around creating a positive charge through the static friction in the air, land on a flower which has a negative charge. And “ZAP” the flower takes on the positive charge and holds on to it for a while. Other Bees can then easily find the “Charged” flowers and can quickly distinguish which flowers to visit.”

While you are walking in nature, don't plod along absentmindedly holding onto your digital device. With empty hands, stop, close your eyes, and listen; be in the moment. Be aware. Bees have demonstrated the 3 traits of sentient beings: compassion, intelligence, and deal with their dead. They can communicate with you. They will honor you if you learn to honor them.

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υποδοχών, από τους.

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[i] <https://www.seeker.com/sound-garden-can-plants-actually-talk-and-hear-1767299955.html>

[ii]

<http://www.allabouttheaven.org/science/238/121/frequency-of-a-bee-s-hum>

## Lactobacilli Symbiosis

*in bees by lady september 6, 2017 0 comments*

This Blog contains information on how to use natural probiotics for honeybee health for those interested in the scientific part about probiotics and for the lay person who is



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Over the years of doing research on nearly everything I think about, I am always amazed at how the Universe never does anything singularly. Everything works together synergistically or through symbiosis. Nothing works on its own without something else incorporating its effort and support or cleans up. We breathe carbon dioxide and trees inhale it. We put out pollutants and Mother uses her breath, the wind, and moves the toxins through the trees and other green plants to cleanse it. The rain is recycled up from the ground by the sun drawing the moisture up through to make clouds only to fall back down again as rain or snow.

All living elements work through symbiosis in healing – nothing works alone. I.E., as a Master Herbalist, I learned that a good herbal formula contains 3 components: one to do the task, one to move the cleansing out of the body, and one to soothe behind. This is why Marshmallow Root and Slippery Elm Bark Powder are often used as they act as emollients as they move through the body.

In this blog I wish to talk about the symbiotic relationship in a honeybee's microbiome gut and how it relates to our gut



“We depend on a vast army of microbes to stay alive: a microbiome that protects us against germs, breaks down food to release energy, and produces vitamins.

- The combined genetic material of the microorganisms in a particular environment.”

There are about 100 trillion bacteria in the human[i] gut. Both species have these bacteria[ii] that work similarly with good and bad bacteria in constant battle with each other with the good taking care of our immune system and the bad bacteria trying to undermine it. Mother has this duality in everything to keep our bodies and, hopefully, our intellect aware of the fact that we need both to appreciate both. Both are needed for us to learn what will heal and what will harm and what we need as a cure.

I have read that there are as many as 186 different bacteria in a honeybee’s[iii] gut.

Additionally, several studies hypothesize that the foregut (crop), a key interface between the pollination environment and hive food stores, contains a set of 13 lactic acid bacteria



learned the importance of Lactic Acid Bacteria (LAB) in all living things, especially in our food. *Lactobacilli* is a LAB, as is *Biobifidobacterium*, and both are part of the microbiome in our guts as well as in the honeybee. Not one bacterium will do the job of healing. We need many bacteria to work together to heal.

*Lactobacilli* are in every living thing on the earth, including the soil, and can protect nearly all living elements from diseases and maintain good immune systems. Roundup is an herbicide that contains glyphosate and kills all the good bacteria that comes in contact with it. When sprayed this herbicide floats on the air for miles and miles until it rains before sinking into the soil. The good *Lactobacilli* bacteria in the soil prevents the *Clostridium botulinum* from coming up into the plant. With the *lactobacilli* dead in the soil, the *Clostridium botulinum* comes through our food as salmonella, e-coli, and listeria, just a few of the bad bacteria in the *botulinum* family.

I live in a GMO farming community where the farmer uses Roundup on a regular basis. I also have a neighbor who sprays the herbicide under the fence that holds his sheep.



around on the comb, work the honey, etc. When something unnatural has been taken into the hive and things change within the hive, they get stressed and develop EFB, a bacterium called *Melissococcus plutonius*[v], *is a LAB. EFB can be killed immediately with my lacto formula sprayed on the comb, and will protect the honeybee when the formula is put into their feed.*

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*Below is an excerpt from my August, 2016 Newsletter containing the Lacto Water formula and the formula to create your own lactobacilli from the bees own honey.*

“Every living element on the earth – the soil, humans, animals, insects, fish – everything, need *Lactobacillus* and *Biobifidobacterium* for optimum health, and this includes honeybees.<sup>[vi]</sup> Honey is the bee’s prebiotic while the beebread is their probiotic; but both contain these bacteria, along with yeasts, vitamins, minerals, enzymes, etc. A probiotic is a product fermented by lactic acid that actually stimulates an immune response in the honeybee – as well as in humans. Most of these bacteria grow between 5.0 and 7.0



The honeybee stomach can contain upwards of 186 different bacterial strains.<sup>[ix]</sup> All of the strains grow in different pH environments. One bacterium in particular, *Lactobacillus plantarum* is one of two bacteria that studies show will kill American Foulbrood (AFB).<sup>[x]</sup> The other bacterium that kills both AFB and EFB is *L. kunkeei*, which grows at 4.5 – 6.8 pH and prefers fructose, is contained in wine, flowers, and honey. The honeybee gut carries both the *plantarum* and the *kunkeei* bacteria in its stomach. The curious natural phenomenon about the *plantarum* bacteria is that it acidifies a growth medium to a low 2.0 – 4.0 pH within several hours.<sup>[xi]</sup>

### Physical Requirements<sup>[xii]</sup>

2. pH: Organisms can be classified as:

3. Acidophiles: “Acid loving”.

u Grow at very low pH (0.1 to 5.4)

u *Lactobacillus* produces lactic acid, tolerates mild acidity.



found to enhance the immunity of honeybees, helping them to survive against the effect of pathogens and bring advantageous properties for honeybee health (Evans and Lopez, 2004; Forsgren *et al.*, 2010).”<sup>[xiii]</sup>

When I first used the 8-strain, 30 ppb, to create my lacto water for my bees when they contracted EFB, they actively picked up. But they became very active when I added the 10-strain that included the *L. casei*<sup>[xiv]</sup>. These bacteria will also grow in just a few hours. Below is one of the research studies I used to create my Lacto water formula for EFB:

“Also, in beekeeping management, there are commercial diet supplements which contain probiotics and/or prebiotics. One such supplement recommended for the feeding of honeybees and other animals contains bacteria such as *Lactobacillus casei*, *Lactobacillus plantarum*, *Rhodopseudomonas palustris*, and yeast *Saccharomyces cerevisiae*. A further example, in addition to lactic acid bacteria (*Lactobacillus acidophilus* or *L. casei*) and *Bifidobacterium lactis*, also comprises prebiotics (Pătruică and Mot 2012; Pătruică and Hutu 2013; Andrearczyk et al. 2014).”<sup>[xv]</sup>



(ACV) would bring the pH down to 7.0 to equal honey's p.  
Honey is capped at about 4.0 – 4.3 pH. Adding 1 Tablespoon of ACV to 1 gallon of sugar feed brought will bring the pH down to about 4.5 – 5.0, which would be the mean pH for good bacterial growth. I have heard of folks using distilled vinegar because it doesn't attract wasps. This should be an indicator to you. Bees are trusting and will go to the distilled vinegar, just as they go to a swimming pool for the aspartame[xvi]

Since honey starts to ferment as soon as it is combined with water, my thought was to add 1 pint of honey to less than a gallon of sugar water so that some of the lactic acids and *Biobifidobacterium* already in the honey would grow. I would add 1 Tbsp of ACV to bring the pH down and allow other bacteria to grow – with the hypothesis that the *L. plantarum* would also grow and lower the pH more as it continues to multiply. The lower pH will grow the *L. Kunkeei*.

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## The 2 Lacto Formulas

When the bees encounter glyphosate, during flight or while on plants, they may develop EFB, a disease brought on by

my bees the formula. This formula has never failed me and works 100%. If the weather is fair and dry, it will take about 2-3 weeks to totally kill the disease. If it is damp and rainy, it will probably take about 3-5 weeks. If you catch EFB immediately, usually 1 or 2 sprays on the comb and 1 feed will work.

**I DO NOT SUGGEST YOU USE THE STORE BOUGHT PROBIOTIC IF YOU USE HONEY. JUST LIKE YOU, TOO MUCH PROBIOTICS AND BEES MAY DEVELOP DIAAHREA.**

You may want to get your own test strips. It is more accurate than those you would use to test their saliva. I get the strips off Amazon that measure the pH range of 0-13.

[xvii]

### **Formula 1 – Lacto Water Using Only Probiotics**

You can your probiotics from your Health Food Store. When I first made my Lacto Formula, I used the 8-strain until I learned about *L casei*. I switched to the Ultimate Probiotic 10-strain, 30 PPB, and discovered my bees enjoyed it more.



*acidophilus, L. casei, L. plantarum, L. paracasei, L. salivarius, L. rhamnosus, L. bulgarius*

### Step 1

In a cup of room temperature (tepid) water empty the contents of 1 probiotic capsule containing the 10 strains of *Lactobacillus/Biobifidobacterium*, 30 ppb; stir and dissolve for a few minutes. Cover and refrigerate. Do not keep beyond 4-5 days.

### Step 2

For 1:2 add 6 cups of white sugar to 1 gallon of water. For 1:1 add 11 cups of sugar to a gallon of water. Eyeballing it 1:1 is filling a glass (plastic emits a gas when hot) container about  $\frac{3}{4}$  full of sugar. Put in enough hot water, not quite boiling, to dissolve the sugar (about  $\frac{1}{2}$  of a tea kettle). Stir often to dissolve the crystals. I do not use organic sugar as there are particles in the sugar that are not really digestible for the honeybee. When the sugar has dissolved, add enough cold water to fill the container to within 1" from the top. When totally cooled, add 2 Tablespoons of the Lacto water solution. Feed your bees.



lacto water. Lightly spritz both sides of all frames, especially those filled with brood and larvae, and the sides of boxes in the hive body. Don't need to spray bottom board or inner cover, unless they are solid, or the top outer cover. The EFB is affected immediately. I know this because I used an EFB test 10 minutes after I sprayed and came with a negative result, where it was positive before.

Repeat every 4 days for about 2-4 weeks until there is no longer any odor from the hive when you open it. 3 weeks is good. If there is a lot of rain or damp, humid climate it may take longer. You will notice the rotting smell will have lessened after the first use. If you catch the EFB in the early stages, say on 1 frame, you can eradicate the EFB in just 1 or 2 sprays. The larvae affected by EFB will dry up and the bees will carry it out of the cells.

You will need to feed the bees your sugar/lacto water formula and pollen during this time if there is not enough honey or bee bread in the hive. Bees are just like you when they are ill. They don't want to do much and are not too functional outside the hive.



product as honey. Once the honey is in the water, the lactic acid will start fermenting the solution. Honey also adds vitamins and minerals, enzymes, yeasts, etc, required for a healthy honeybee.

### Step 1

For 1:2 add 6 cups of white sugar to 1 gallon of water. For 1:1 add 11 cups of sugar to a gallon of water. Eyeballing it 1:1 is filling a glass (plastic emits a gas when hot) container about  $\frac{3}{4}$  full of sugar. Put in enough hot water, not quite boiling, to dissolve the sugar (about  $\frac{1}{2}$  of a tea kettle). Stir often to dissolve the crystals. I do not use organic sugar as there are particles other than sugar that the honeybee cannot digestible. When the solution has cooled to about  $96^{\circ}$ , if feels slightly cool to your touch, go to step 2.

### Step 2

Add  $\frac{1}{2}$  – 1 pint of honey, preferably chemical free and no essential oils.

### Step 3



1-2 times in August. Roundup is sprayed in the spring to ready the ground for planting and is sprayed again a few weeks later after the corn is up about a foot. It is sprayed again in August, during the dearth. It is sometimes sprayed again, along with neonicotinoids. Neonics are used to ripen crops.

The premise of BEe Perspective Beekeeping is not putting through the roof what bees do not take through the entrance. I do not consider using the probiotics as “treating” the bees. I consider it as replacing the vital bacteria people kill when using herbicides. My 2 formulas and sometimes extra pollen are the only things I put in the hive.

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[i]

<http://articles.mercola.com/sites/articles/archive/2003/10/18/bacteria-gut.aspx>

[ii] <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4579437/>

[iii] <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3989306/>

[iv] <http://beeaware.org.au/archive-pest/european-foulbrood/#ad-image-0>

[v] <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4511666/>

<sup>iv</sup>[http://journals.plos.org/plosone/article?](http://journals.plos.org/plosone/article?id=10.1371%2Fjournal.pone.0072106)

[id=10.1371%2Fjournal.pone.0072106](http://journals.plos.org/plosone/article?id=10.1371%2Fjournal.pone.0072106) Microbial Gut Diversity of Africanized and European Honey Bee Larval Instars, Svjatlana



[viii]<http://www.coloss.org/beebook/I/gut-symbionts/4>. Culture conditions for the dominant members of the bee gut microbiota

[ix] <http://journals.plos.org/plosone/article?id=info:doi/10.1371/journal.pone.0072106> Microbial Gut Diversity of Africanized and European Honey Bee Larval Instars, Svjetlana Vojvodic, Sandra M. Rehan, Kirk E. Anderson, August 21, 2013.

[x] *Lactobacillus* sp. as a potential probiotic for the prevention of *Paenibacillus* larvae infection in honey bees, Dagmar Mudroňová, Juraj Toporčák, Radomíra Nemcová, Soňa Gancarčíková, Vanda Hajdučková, and Katarína Rumanovská. University of Veterinary Medicine, Komenskeho 73, 041 81, Košice, Slovak Republic. 27 September 2011.

[xi] <http://aem.asm.org/content/74/24/7750.full.pdf+html> APPLIED AND ENVIRONMENTAL MICROBIOLOGY, Dec. 2008, p. 7750–7758 Vol. 74, No. 240099-2240/08/\$08.000 doi:10.1128/AEM.00982-08, 2008, American Society for Microbiology. Population Heterogeneity of *Lactobacillus plantarum* WCFS1 Microcolonies in Response to and Recovery from Acid Stress, Colin J. Ingham, Marke Beerthuyzen, and Johan van Hylckama Vlieg

[xii] <http://www.lamission.edu/lifesciences/lecturenote/mic20/Chap06Growth.pdf>. Physical requirements for organism growth.

[xiii][https://www.researchgate.net/publication/8431169\\_Bacterial\\_Probiotics\\_Induce\\_an\\_Immune\\_Response\\_in\\_the\\_Honey\\_Bee\\_Hymenoptera\\_Apidae](https://www.researchgate.net/publication/8431169_Bacterial_Probiotics_Induce_an_Immune_Response_in_the_Honey_Bee_Hymenoptera_Apidae) – Bacterial Probiotics Induce an Immune Response in Honey Bee (Hymenoptera: Apidae) Jay D. Evans and Dawn L.



[xiv] <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4700093/>. Are commercial probiotics and prebiotics effective in the treatment and prevention of honeybee nosemosis? Aneta A. Ptaszyńska, Grzegorz Borsuk, Agnieszka Zdybicka-Barabas, Małgorzata Cytryńska, and Wanda Małek, 2015 Oct 6. doi: 10.1007/s00436-015-4761-z, PMID: PMC4700093

HOME CONTACT THE GUILD THE GATHERING BEE PERSPECTIVE PRODUCTS/CLASSES WAGGLE DANCING

[xvi] <http://www.janethull.com/newsletter/0704/chlorine-in-your-pool-and-diet-cola.php>

[xvii] Hydrion Ph paper (93) with Dispenser and Color Chart – Full range Insta Chek ph- 0-13

## An Answer to Roundup

*in uncategorized by lady july 16, 2017 0 comments*

### July, 2017 Newsletter

Lady Spirit Moon



In the spring of 2011 I noticed a queen was acting all nervous and jumpy and hadn't laid anything since her mating. A few weeks later, I pulled a frame out and she was holding on to it with her back legs and weaving back and forth and there were very few bees left. I killed her. This so bothered me I dug deep into research to discern her behavior. In February, 2012, I came across an interview between Dr. [Mercola](#) and Dr. Don Huber, Emeritus Professor, Purdue University, about Roundup and how devastating the glyphosate in Roundup was on us, animals, and our environment.



up globally since that time.

Today the [news](#) is again reporting on how neonicotinoids are affecting honeybees and other pollinators. A lot of us in beekeeping knew that the neonics were the major cause of CCD. What you are reading in the news today is not the first regarding the effects of neonics on honeybees. The [Guardian](#) mentioned a study done in 2013.

Nicotinoids have been around since before the 19<sup>th</sup> century. But according to [Wikipedia](#) they changed when Byer added 5 other chemicals were added making them neonicotinoids:

“In 1985, Bayer patented *imidacloprid* as the first commercial neonicotinoid. During the late 1990s, primarily, *imidacloprid* became widely used. Beginning in the early 2000s, two other neonicotinoids, *clothianidin* and *thiamethoxam*, entered the market. As of 2013, virtually all corn planted in the United States was treated with one of these two insecticides and various [fungicides](#). As of 2014, about a third of US [soybean](#) acreage was planted with neonicotinoid-treated seeds, usually imidacloprid or thiamethoxam.”

*Acetamiprid*, *dinotefuran*, *nithiazine*, and, and *thiacloprid* were also added and all share a common mode of action that affect the central nervous system of insects, resulting in paralysis and death. [Beyond Pesticides](#) explains the different chemicals in the neonicotinoids and how each affects honeybees.

I live in a GMO community where a farmer sprays Roundup on his GMO corn. Whenever they spray their crops or my neighbor sprays around their sheep fence, I feed 1 dose of my lacto water formula, both neonics and glyphosate affect the immune system, to my bees and they are fine. But before my formula, I had a few hive deaths in the beginning of my beekeeping career until my notes showed me what was happening.

“Neonics” are the coating on GMO seeds and some non-GMO seeds. These chemicals not only stay in the soil for up to 3 years, but they also rise up through the plant into the nectar and pollen. The bees harvest and store pollen and nectar from a GMO crop in the fall and



but forget how to go back to the hive.

### **NutriSmart**

A while back Don informed me that he knew of a couple field trials that were showing good results in reversing the effects of glyphosate. He put me in touch with Frank Dean, BS, Biological and Physical Science, working for [LidoChem, Inc.](#) When I asked what NutriSmart did, Frank wrote:

“We have been concerned about the amount of glyphosate being used and its toxicity. As you know glyphosate has been found in all honey including organic and wild honey.

“Dr. Stephanie Seneff has also suggested the impairment of the P450 set of enzymes .... (Ed. Note: Dr. [Seneff](#) did a [study](#) in January, 2013, “Glyphosate’s Suppression of Cytochrome P450 Enzymes and Amino Acid Biosynthesis by the Gut Microbiome: Pathways to Modern Diseases,” with Dr. Anthony Samsel.

“We have been using NutriSmart, an organic bio fertilizer, to lower the concentration of glyphosate in soil, increase soil organic matter, support the native microorganisms, and, supply nutrients to crops and gardens.

“NutriSmart contains 6 different yeasts, *Saccharomyces cerevisiae*,” [They are brewer’s or baker’s yeast.]

Frank sent a PPT with the information on NutriSmart. I have included the information here, along with picture and graph.

- NutriSmart® is a patented environmentally friendly microbial fertilizer & soil amendment developed by [CK Life Sciences](#), a world-wide leader of eco-responsible agricultural practices.
- NutriSmart® components are naturally occurring substances; free of any chemical constituents.
- NutriSmart® provides humate, humic acids, patented strains of microbes, and microbial activators to the soil.
- NutriSmart® is acceptable for bio-fertilizer registration in most countries, including the United States, even meeting the more stringent requirements of states such as California.



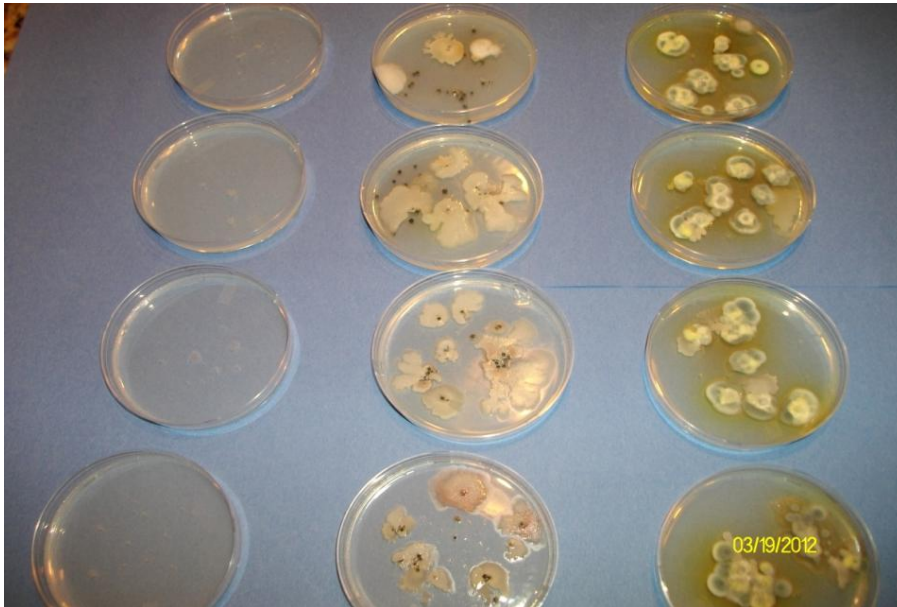
- Proven to Retain soluble fertilizers in the soil and reduce leaching
- Proven to Stimulate the proliferation of desirable soil organisms
- Proven to Increase root growth and plant uptake of nutrients
- Assists in reclaiming soils damaged by overuse of herbicides, synthetic fertilizers, and other residual chemicals

#### It Grows With Glyphosate

- Growers typically spray 1 quart of a 39% glyphosate per acre.
- One quart of the 39% glyphosate in 20 gallons of water is 80:1 or a dilution of 1.25% Glyphosate.
- 6 ml of the 1.25% Glyphosate solution was added to 300 ml of Difco Plate Count Agar.
- NutriSmart was dropped into the media as the Agar cooled.
- Control on the left, SGN 150 center and SGN 250 on the right.

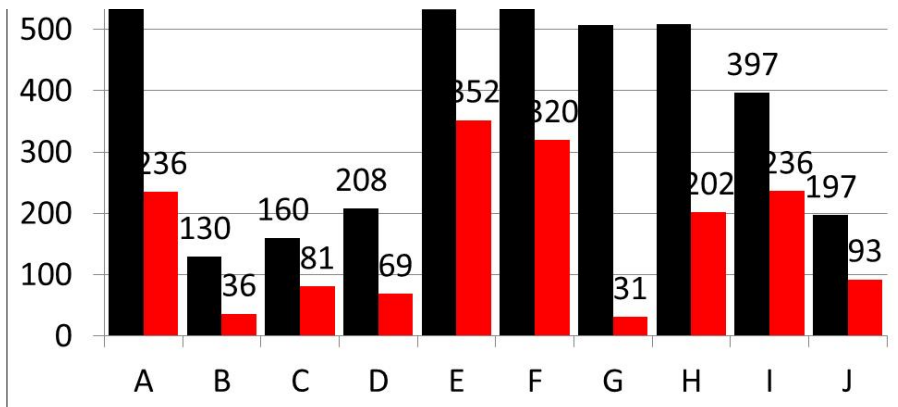
Frank also wrote:

“What we have found is this: when we take soil samples before and after the treatment the glyphosate is substantially reduced. When we work with petri dishes we find the bacteria counts in the presence of glyphosate go up.”



L: NutriSmart Only (no added food source) M: \*NutriSmart SGN 150 with Glyphosate

R: \*NutriSmart SGN 250 with Glyphosate



Glyphosate levels from 10 fields:

Glyphosate reported in parts per billion (ppb) – Before and after treatment with NutriSmart over a growing season.

\*\* Trials were conducted in 10 fields with recorded Glyphosate reductions of up to 94 Percent \*\*

For more information on NutriSmart and LidoChem:

LidoChem, Inc.

Performance Nutrition Division

20 Village Court Hazlet NJ 07730

1-732-888-8000

[www.performancefertilizers.com](http://www.performancefertilizers.com)

Frank also shared, “We have been working with Dr. Kanga, Florida A&M, with *Bacillus amyloliquifaciens* (a bacteria used as a source for an enzyme that is used in agriculture, aquaculture and hydroponics) to combat the insect attacking bee hives.

Now if we can just find something to fight the effects of neonicotinoids.

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I watch the bees sharing the honey through their proboscis, grooming each other, flies sometimes eating next to them and even cleaning the bees' wings. And I see them walking all over each other without so much as an "excuse me" and no one gets angry. Even an occasional wasp or other winged creature will sit warily off to the side waiting for an opportunity to feed. And they are not bothered. I watch all this for a long time, all the while wondering why humans can't be more like honeybees.

Leaning back in my rocker, listening to the birds and sensing Mother's silence in the sunshine, I ponder over what I see on Yahoo – racial slurs, killings, governments in chaos, the



and nature. Glancing at the book I just finished, I sit in my rocker and think on the journey to my piece of heaven.

*Hillbilly Elegy*, by J.D. Vance, is about Appalachian people and its culture. I was mountain bred and born in southern Kentucky and can pick up just about anything and shoot with it with good accuracy. My mother moved from the Appalachian Mountains when I was a year old because there were no jobs. Coming from the Appalachian culture, the book made me pause at the reasons for illiteracy, ignorance, anger, and violence.

In 1995, wanting to move closer to my roots, my husband and I moved to a small town in eastern Tennessee next to the Kentucky state line. I learned quickly how powers-at-be can control the people. The school books had not been replaced for nearly 40 years. The best way to keep a society controlled is to affect the school system, keep the people ignorant and illiterate. It took an outsider to bring the issue to the state government that investigated and eventually put the county system on probation for 2 years to give them time to clean up their act or be taken over by the state. It worked. New books were ordered for the first time in 40



Half of the population bought the drugs that were sold to the other half of the population in the local drugstore parking lot. The powers-at-be owned the stores where people shopped. Seeds and farm supplies were sold by them and when folks harvested their crops they paid off their credit. If folks had a car and could afford the gas, they shopped in the 'big city' and went to the movies there. Once the main road was widened, the community opened to the 'outside' and things changed.

The human soul knows it needs to grow and flourish. When a human cannot and does not grow, it becomes restless and often angry. When self-preservation tools are not taught, there is usually abuse and/or neglect then one develops insecurity and low self-esteem. An individual also feels the need to belong to something or someone because they need to have a purpose to feel good about themselves. (S)he will often fall victim to any verbiage that praises or promises to give what the individual thinks they need. ISIS uses insecurity and low self-esteem in recruiting their victims.



our doors during the day while we were gone, and we slept in peace at night. We didn't have the drug problems plaguing our society today; didn't have the gangs that now terrorize neighborhoods; and we didn't have the welfare system that exists today.

My generation remembered the depression and gave to our children what we lacked in our youths. I can still remember being taught how to conserve, recycle everything until it disappeared, and preserve everything we ate. Our children never had to do these things so were not taught the values of being conscious of our carbon footprints. Our children learned to become good consumers and often were not given 'chores' to learn the value of a dollar. Our children also may not have learned self-pride by a job well done, how to set goals to achieve self-respect, or to give themselves something to work for.

Our grandchildren grew up expecting their means of living to be given to them without earning them. Not being taught the values we had, grandchildren have been raised clueless regarding the value of money, idealistic goals, honoring the elders, self-respect, etc. Today, a lot of the grandchildren are growing up with grandparents and some are angry because



our generation responsible for some of what is happening in our young societies today? Perhaps.

I look at the animal kingdom and think about how each generation passes on traits and habits that allow them to survive and how they don't pollute their environment. Yet, we humans, being the higher form of intelligence, seem to have problems with passing down good habits, have a hard time adapting to their environment while polluting it, are greedy and show anger when they don't get what they want. or are just plain angry and have the need to strike out or hurt someone or something.

Watching my bees, I know them to be compassionate and intelligent, each knowing what needs to be done to survive and do their part. It is extremely hard work being a honeybee – for the most part because it has to live with humans and their bumbling efforts at exploiting the bee. Humans can learn from the honeybee. But even in beekeeping, humans often take the easy, cheap way out without honoring the bee. They often look upon the honeybee as a commodity and not as a sentient being.



## Apitherapy & Other News

*in apitherapy / bee healing class / bee venom therapy by lady  
march 12, 2017 0 comments*



I had open heart surgery 4 weeks ago to replace a genetically faulty heart valve. One of the diagnoses I received during pre-op was Polycystic Ovary Syndrome. PCO is a disorder

affecting a lot of women and can cause difficult menstrual cycles, weight gain, infertility, high testosterone level, diabetes, resistance to insulin, etc. These things have been my issues since puberty. Researching this disorder and through personal experience, I have a better understanding of hormones and how the cortisol from the adrenal glands affects bee venom, PTSD, depression, etc., especially in chronic illnesses. I need spine surgery and stinging myself several times for back pain helped with the pain. But at the time, unbeknownst



I will endeavor to add this information on the Bee Venom portion of the Apitherapy PPT which will extend the afternoon of Bee Venom in my Apitherapy Course. From personal experience I have learned that cortisol is my enemy – in many ways. I can understand how it would affect someone with chronic illness, including Lyme disease.

The 2017 Apitherapy Class will be Saturday and Sunday, April 29 & 30 from 9-5. The cost is \$295 and will include my book, *Apitherapy – From a Beekeeper's Perspective*, and all supplies done in the hands-on workshops. Click [here](#) to pay and register. You will receive an email with further details after the April 15<sup>th</sup> cutoff date.

## **BEE Perspective Beekeeping**

Friday through Sunday, May 19, 20, & 21 will be the first BEE Perspective Beekeeping Class, with one of those days the class will be in my apiary.

You will learn how to check to see if you need to go into the hive, how to listen to your bees, and better understand why I don't have to treat for Varroa. You will also learn to create both formulas in your kitchen for honeybee health. The cost is \$295, which will include my book *Bee*



date.

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All classes will have a \$30 fee cancelling if class is canceled prior to class cutoff dates. There is no refund after the cutoff dates.

For Accommodations and Directions to both classes, click here and scroll down the page.

## Welcome to our Waggle Dancing Blog

*in uncategorized by hank eder november 17, 2016 0 comments*

**New blog posts are coming soon!**



## BEE Perspective

*in uncategorized by hank eder november 8, 2016 0 comments*



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