

Glyphosate Worse Than DDT

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As you know the field of methylation is exploding, but what you may not know is that glyphosate is creating a problem with methylation. According to Stephanie Seneff, PhD in her article for Wise Traditions, May 2016, she proposes that glyphosate ingestion and the synthetic oxidized form of folate, termed “folic acid” inhibits methylation. Methyl groups are directly related to: immune function, neurological function, cardiovascular function, respiratory function, dermatological function, gastrointestinal function, and endocrine function. In short, methylation is related to our entire body's ability to function.

Dr. Stephanie Seneff is one of my heroes; she is a senior research scientist at MIT's computer science and artificial intelligence laboratory in Cambridge, MA. She proposes that low-nutrient food combined with pesticides and toxic metals play a crucial role in many modern conditions and diseases including heart disease, diabe-



tes, obesity, arthritis, gastrointestinal problems, Parkinson's disease, Alzheimer's disease and autism.

In reference to folic acid, in 1998 the U.S. mandated the addition of folic acid in all wheat products. The folic acid that is added to our foods is oxidized and missing the methyl group. The liver is where the reducing and methylation take place. I've added links to Dr. Seneff's work.

But let me share several game changing attributes of glyphosate. First, studies are

generally done with pure glyphosate; however, real world application involves adjuvant agents designed to make it stick to plants and retard biological breakdown. So the combinations sprayed on food are undoubtedly more toxic than what is being used in the laboratory.

Glyphosate is a synthetic amino acid and an analog of glycine, one of the most important amino acids. “Monsanto, the original creator of glyphosate owns sealed trade secrets that show glyphosate “bioaccumulates

in all tissues. Bioaccumulation of this synthetic amino acid leads to tissue destruction at the molecular level a cell at a time. Monsanto found destruction of every gland and organ of laboratory animals during long term chronic studies.”

A recent study showed that laboratory animals had necrosis, scarring, fat metabolism issues and mitochondrial damage to liver and kidney tissue at very, very low levels. The dose of the glyphosate-based herbicide “Roundup” administered in this study was equal to half the level of pure glyphosate permitted in drinking water in the European Union and 14,000 times lower than the level permitted in the United States.

Dr. Don Huber has spent 55 years studying soil-borne diseases, microbial ecology, and host-parasite relationships. He says “Glyphosate is worse than DDT which has been banned in this country for 30 years”. You can see an earlier link to a discussion on 4 hidden dangers of glyphosate.

We've known about its use on GMO crops like soy, corn, cotton, etc. But there are new concerns about the use of glyphosate now that we know it has been used as a desiccant or ripening agent on food crops like wheat, oats, barley, sugar beets, sugar cane, potatoes, etc. since 1990. It is showing up in the food chain in ways nobody would have predicted.

One study in 2007 found that it is present in 75% of the rain and ground water tested in Mississippi. Another study found glyphosate in breakfast cereals. So even if we are not sensitive to gluten, using foods exposed to glyphosate adds to your total toxic load.

Here's another mind grenade. 44 Parliament members in the European Union volunteered to have random urine tests to assess the

danger of glyphosate entering into our food chain. These are members of what I would call the upper class. They are not on the farm or spraying their own lawns with weed killers. The shocking finding showed urine levels 17 times higher than the amount allowed by law in drinking water. So glyphosate is accumulating and concentrating in human biological tissue.

Due to the chemical company lobbyists in the U.S., we know that glyphosate is much more prevalent here than in Europe. So it's anybody's guess what our levels are. But here's the key thing. If you are dealing with anyone with chronic conditions, we have to get them off the foods sprayed with this deadly poison.

Glyphosate has been shown to cause: DNA damage in humans, mitochondrial dysfunction, breast cancer cell growth, infertility in multiple species, depletions of key minerals, kills healthy probiotics and encourages the growth of pathogenic bacteria.

Besides the reduction of glyphosate in one's diet, to be on the safe side, recommend folic acid in the reduced form as calcium folinate not the oxidized form labeled folic acid.

One of the nice things about working with Biotics is that they foresee problems before they are a problem. As a matter of fact, they recognized the potential issue years ago and changed about 35 formulas to the protective bioavailable form.

By the way, to really get up to speed on methylation, consider spending a day with Dr. Greg Peterson and attend his “Aging Gracefully” seminar. The debate is just beginning and methylation is an important factor in health or disease.

Thanks for reading this week's Tuesday Minute edition. I'll see you next week.