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Weekly Global News on GMOs and Pesticides

Samsel and Seneff: Glyphosate **Enhances Damaging Effects of**

Environmental Toxins

This study shows that glyphosate, the active ingredient of roundup, enhances the damaging effects of other food borne chemical residues and environmental toxins.

Full study here: Gly, Modern disease, Samsel-Seneff

Abstract:

Glyphosate, the active ingredient in Roundup®, is the most popular herbicide used worldwide. The industry asserts it is minimally toxic to humans, but here we argue otherwise. Residues are found in the main foods of the Western diet, comprised primarily of sugar, corn, soy and wheat. Glyphosate's inhibition of cytochrome P450 (CYP) enzymes is an overlooked component of its toxicity to mammals. CYP enzymes play crucial roles in biology, one of which is to detoxify xenobiotics. Thus, glyphosate enhances the damaging effects of other food borne chemical residues and environmental toxins. Negative impact on the body is insidious and manifests slowly over time as inflammation damages cellular systems throughout the body. Here, we show how interference with CYP enzymes acts synergistically with disruption of the biosynthesis of aromatic amino acids by gut bacteria, as well as impairment in serum sulfate transport. Consequences are most of the diseases and conditions associated with a Western diet, which include gastrointestinal disorders, obesity, diabetes, heart disease, depression, autism, infertility, cancer and Alzheimer's disease. We explain the documented effects of glyphosate and its ability to induce disease, and we show that glyphosate is the "textbook example" of exogenous semiotic entropy: the disruption of homeostasis by environmental toxins.

Authors: Anthony Samsel and Stephanie Seneff

By Henry Rowlands | May 30th, 2013 | Animal Evidence, Human Evidence, Lab Evidence, North

America, Roundup Evidence I 4 Comments

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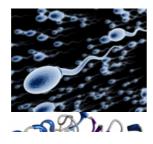


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