

Share This Story, Choose Your Platform!

Previous Next

SUBSCRIBE

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 | 4 Comments

Share This Story, Choose Your Platform!

About the Author: Henry Rowlands



Henry Rowlands is the Director of Sustainable Pulse and GMO Evidence. Henry is an expert in environmental public relations and environmental journalism.

GMO Evidence news



Latest Evidence

Dr Antoniou: Major Differences between a GMO Corn and its Non-GMO Parent

Dr. Nardi: Soy Milk and Glyphosate Lowers Testosterone and Damages Sperm

Dr. Ibrahim: MON810 GM Corn Damages Small Intestines of Rats

Dr Budnik: GMO Enzymes used in Food and Cleaning Products are Potent Allergens

Dr. Hoppin: Glyphosate Exposure Linked to Respiratory Problems in Farmers

Categories

Africa

Animal Evidence

Asia

Australia

Central America

Europe

Human Evidence

Lab Evidence

News

North America

Roundup Evidence

South America

Uncategorized

Tags

bees birth defects Bt Corn Bt cotton Bt Maize cell death CRIIGEN death DNA Gilles-Eric Seralini