

From: [Annemarie](#)
To: [P65Public Comments](#)
Subject: "GLYPHOSATE NSRL"
Date: Tuesday, June 20, 2017 6:04:16 PM

To Esther Barajas-Ochoa
Regulations Coordinator, Office of Environmental Health Hazard Assessment,

Dear Esther,

Ever since the discovery of Glyphosate in 1970 18.9 billion pounds of Glyphosate have been sold and used in the US and sold and used in countries all over the world. I believe that has caused cancer and many other health problems in the world's populations. The herbicide's use has risen almost 15-fold since the introduction of so-called "Roundup Ready" genetically engineered crops in the 90's.

In 2015 the World Health Organization's cancer agency IARC declared that glyphosate is a probable cause of cancer in humans.

Glyphosate is now found regularly in food and water regardless whether I am committed to growing almost all my own organic food. I use water from my own well, but live downstream from logging companies who have used Glyphosate to deter tan oak trees from growing or surviving. I eat the fish & seafood from the local creeks, rivers, ponds, lakes, and the ocean who had the runoff from the treated logging company land. Glyphosate-based formulations are the most widely sold and used pesticides globally. Glyphosate is virtually everywhere in the food chain. As a consequence, glyphosate is regularly detected in human urine. At these levels and even below, several converging lines of research in laboratory animals suggest that glyphosate-based herbicides may be endocrine disruptors and alter liver and kidney function.

There is no safe level of glyphosate according to independent science. Industry and regulators claim that we are only exposed to "safe" levels of glyphosate and Roundup that do not cause toxic effects. I disagree. Safety levels have been determined by toxicity tests on laboratory animals. A growing body of evidence indicates that these tests are inadequate to determine toxic effects of glyphosate and Roundup residues and that consumption of these residues may be a risk to health.

Glyphosate is probably a hormone hacker (endocrine disruptor) according to independent science. 6.90% of the soybeans and 70% of the corn and cotton grown in the United States are glyphosate-tolerant GM crops. Glyphosate and Roundup have been shown to be endocrine (hormone) disruptors in experiments. Endocrine disruption in humans is thought to contribute to some cancers, birth defects, reproductive problems such as infertility, and developmental problems in fetuses, babies, and children.

Monsanto's Roundup herbicide is the world's top-selling weed killer. Its active ingredient is glyphosate. Globally Glyphosate is the best-selling herbicide in the world and all for the wrong reasons.

The global glyphosate herbicides market was valued at USD \$5.46 billion in 2012 and is expected to reach USD \$8.79 billion by 2019.

Monsanto Co., the world's largest seed company, reported fiscal first-quarter earnings that topped analysts' estimates on rising sales of engineered soybean seeds and Roundup herbicide. The net income in the three months through November increased to \$368 million, or 69 cents a share, from \$339 million, or 63 cents, a year earlier, Monsanto reported in a statement. Profit excluding a discontinued business was 67 cents, beating the 64-cent average of 17 estimates compiled by Bloomberg. In the same report, revenue rose 6.9% to \$3.14 billion, topping the \$3.07 billion average of 15 estimates.

Glyphosate-tolerant GM crops represent more than 80% of the 120 million hectares of GM crops grown annually worldwide. Glyphosate-resistant (GR) crops represent more than 80% of the 120 million ha of transgenic crops grown annually worldwide. GR crops have been rapidly adopted in soybean, maize, cotton, canola, and sugar beet in large part because of the economic advantage of the technology, as well as the simple and superior weed control that glyphosate delivers.

Glyphosate is patented as an Antibiotic and a Chelating Agent. Glyphosate was first patented as a chelator in 1964 by Stauffer Chemical Co. It was patented by Monsanto and introduced as an herbicide in 1974. According to Dr. Huber, an award-winning scientist and professor emeritus of plant pathology at Purdue University for the past 35 years, "It's important to realize that glyphosate is not 'just' an herbicide. It was first patented as a mineral chelator. It immobilizes nutrients, so they're not physiologically available for your body." He says Glyphosate is also patented as an antibiotic: "When you take the good bacteria out, then the bad bacteria fill that void because there aren't any voids in nature.

Glyphosate together with the aluminum, lead and other toxins sprayed on the world's population through chemtrails (geoengineering); as well as aluminum, mercury, formaldehyde and other harmful products found in our bodies after forced vaccinations create a deadly mix.

There is no acceptable risk level for glyphosate. Your intent to adopt a No Significant Risk Level (NSRL) of 1,100 micrograms per day for glyphosate is ludicrous. We need to listen to the canaries in the mine. We need to apply the precautionary principle! We refuse to be the guinea pigs for Monsanto. If we don't speak up now we will all be dead in 2-3 generations.

Thanks for allowing comments and please listen and care about the world's health, not just the pocket books of the 1% who's only concern is to have a monopoly and to get richer and richer on the backs of the poor 99% of the population who is developing more and more health problems.

Annemarie Weibel, Albion, CA
mother, educator, land owner, voter

P.S. Please confirm that you have received my e-mail on time to be considered for the record. Thanks.

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