PUBLIC SUBMISSION

As of: Oct 07, 201
Rec Sep 29, 201
Stat Post
Pos Oct 04, 201
Tra No. 1k0 8s6 dg6
Con
Due Oct 17, 201
Sub Typ Wel

Docket: EPA-HQ-OPP-2016-0385
FIFRA Scientific Advisory Panel; Notice of Public Meeting

Comment On: EPA-HQ-OPP-2016-0385-0001
Meetings: Federal Insecticide, Fungicide, and Rodenticide Act Scientific Scientific Advisory Panel

Document: EPA-HQ-OPP-2016-0385-0191
Comment submitted by S. Seneff

Submitter Information

General Comment

Subject: docket ID number EPA-HQ-OPP-2016-0385

I am writing in response to the solicitation for feedback regarding the 4-day meeting of a Scientific Advisory Panel to consider and review scientific evidence for the possibility that glyphosate is a carcinogen. Together with Anthony Samsel, I recently published a paper discussing the carcinogenic potential of glyphosate (Glyphosate, pathways to modern diseases IV: cancer and related pathologies. Anthony Samsel and Stephanie Seneff, Journal of Biological Physics and Chemistry 2015;15: 121-159). I am convinced from the evidence from the research literature that glyphosate is causal in certain cancers, particularly breast cancer among premenopausal women, prostate cancer, non-Hodgkin's lymphoma, pancreatic cancer, thyroid cancer, renal cancer and bladder cancer. There is strong epidemiological evidence supporting a link between glyphosate and many of these cancers.

However, my main point in contacting you is to alert you to the potential for glyphosate to be causal in the alarming increase we are seeing today in multiple food allergies and autoimmune diseases. I now believe that the evidence is overwhelming that glyphosate is the main factor in the epidemic we're seeing in autism, Alzheimer's disease, lupus, rheumatoid arthritis, inflammatory bowel disease, chronic fatigue syndrome, and type I diabetes (a partial list), and in the enormous rise in food intolerances in the population, particularly gluten intolerance, peanut allergy, and allergies to casein, soy, and corn. I believe that all of these autoimmune diseases are on the rise because glyphosate is substituting by mistake for glycine during protein synthesis. Anthony Samsel and I published a "Glyphosate V" paper following the paper on glyphosate and cancer where we detail the devastating consequences of this insidiously toxic and cumulative effect of glyphosate: (Glyphosate pathways to modern diseases V: Amino acid analogue of glycine in diverse proteins. Anthony Samsel and Stephanie Seneff, Journal of Biological Physics and Chemistry 2016;16:9-46.)

Zen Honeycutt of Moms Across America took the initiative to test several vaccines for possible glyphosate contamination, following my suggestion that the MMR would likely contain glyphosate due to the fact that the live virus is grown on gelatin derived from collagen harvested from pigs and cows fed a heavy dose of glyphosate in their GMO Roundup-Ready feed. Zen found by far the highest levels of glyphosate in MMR compared to several other vaccines, and Anthony Samsel followed up with more tests which simply confirmed her preliminary results. Prof. Singh of Utah State University has published a series of papers beginning in 1993 showing a very strong link between autism and autoimmune attack on myelin basic protein, induced by exposure to a peptide sequence in hemagglutinin produced by the measles virus. It is extremely plausible to me that the vaccine version of the virus grown on collagen is picking up glyphosate and incorporating it into its hemagglutinin protein, which is causing it to resist proteolysis and induce an over-active response by the human immune system.

I believe that glyphosate is by far the worst chemical in our environment today. It needs to be banned immediately if we have any hope for the future of our children.

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