

Proposed Specific Regulatory Level Chemical Causing Cancer: Glyphosate

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REGARDING GLYPHOSATE:

Regarding “safe level of glyphosate:” Depends on its combinations with other chemicals and proper labeling and statements that take into consideration its proper use, long term independent studies, as well as honors actual “informed consent” and true understandings regarding its use and risks. There is great concern on the lack of long term studies and information given regulators early on before this chemical was released due to its impacts even on of autoimmunity.

Safe level should take into consideration that safe levels doesn't just relate to a single application. Further, it is not just glyphosate to consider. It is glyphosate with the activation ingredients and their impacts, I think it is called POEA and glyphosate use of “combinations” with other chemicals.

Recommend Activated glyphosate should be declared a “restricted use” chemical, herbicide or pesticide and not be widely available to the public as it is currently --given the below evidence.

Proper labeling is a big issue with glyphosate. It meets current laws. However, these laws have been difficult to change. Given what I have seen thus far, there is simply not a reasonable level of warning on any label I have seen that has glyphosate in it—whether it is in Roundup, a vaccine, in or on our food or drink, including in the water we drink or swim in—particularly in Hawaii. This all needs to be addressed.

IF YOU WATCH THIS FIRST ONE SHOULD BE SERIOUSLY WATCHED 4 MINUTES!!!!

*******Dr. Lorrin Pang utube testimony**

<https://www.youtube.com/watch?v=znyyrMeWqTo> addressing “COMBINATIONS of the pesticides including glyphosate.”

<https://www.youtube.com/watch?v=SgB3IaFzIwY&feature=share> (farm workers with tumors coming to him (health officer) breathing the dust of pesticides in the bags).

<https://www.youtube.com/watch?v=RCGIfOGSwX8> (Gmos with pesticides in the seed, on the food, in the soil) ,

*******Dr. Joe Ritter testimony Maui County utube**

<https://www.youtube.com/watch?v=tYHmPyfazZ8>

*****Journal of Organic Systems, 9(2), 2014: **Genetically engineered crops, glyphosate and the deterioration of health in the United States of America**
<http://jeffreydachmd.com/wp-content/uploads/2015/04/Genetically-engineered-crops-glyphosate-deterioration-health-United-States-Swanson-J-Organic-Systems-2014.pdf>
SSN 1177-4258 by Nancy L. Swanson 1, Andre Leu 2*, Jon Abrahamson 3and Bradley Wallet 41Abacus Enterprises, Lummi Island, WA, USA 2International Federation of

Organic Agricultural Movements, Bonn, Germany 3Abacus Enterprises, Lummi Island, WA, USA 4 Crustal Imaging Facility, Conoco Phillips School of Geology and Geophysics, University of Oklahoma, USA * Corresponding author: andreleu.al@gmail.com

Scientific American Weed-Whacking Herbicide Proves Deadly to Human Cells: June 23, 2009

<https://www.scientificamerican.com/article/weed-whacking-herbicide-p/>

Toxicology 262 (2009) 184–191 Contents lists available at ScienceDirect
Toxicology journal homepage: www.elsevier.com/locate/toxicol **Glyphosate-based herbicides are toxic and endocrine disruptors in human cell lines** Céline Gasniera, Coralie Dumontb Nora Benachoura, Emilie Clair, Marie-Christine Chagnonb, Gilles-Eric Séralini
http://www.gmoseralini.org/wp-content/uploads/2013/01/Gasnieral.TOX_2009.pdf

Dangers of Glyphosate: Interview with Dr. Stephanie Seneff

<http://drpompa.com/additional-resources/health-tips/the-dangers-of-glyphosate-an-interview-with-dr-stephanie-seneff> Dr. Seneff says that “glyphosate disrupts

neurotransmitter pathways. Gut microbes make the precursors to neurotransmitters. Serotonin, melatonin, melanin (skin), and thyroid hormones, they all come from these same pathways. So as the gut is compromised by glyphosate exposure, neurotransmitter production is impeded.

In the Third International Symposium on Vaccines in March 2014 and as part of the 9th International Congress on Autoimmunity, MIT scientist Dr. Stephanie Seneff gave a presentation, heavily cited, how aluminum, mercury and glyphosate, working together (ie think “combinations that work synergistically particularly as it impacts Heparin sulfate levels and conversions. that can derail the process of recycling cellular debris, garbage and damage leading to disease There is a great controversy as we speak about the safety of vaccines and what the public does not know regarding the use of these substances in vaccines. This should be further researched regarding safe levels.

<http://www.collective-evolution.com/2017/04/21/study-shows-damage-to-the-seat-of-the-soul-after-aluminum-adjuvanted-vaccination-glyphosate/>

The public should be informed and consent required if glyphosate is in a vaccine. Of particular concern is the widespread push to mandate vaccines and the rising incidents of autism in this country particularly.

Glyphosate safety should be looked at not just in light of cancer, and autism having wide impacts on our children, but multiple injuries, including birth defects. Note: Lab study establishes glyphosate links to birth defects Oct. 4, 2010.

<http://nfunontario.ca/upload/files/userfiles/12542-lab-study-establishes-glyphosate-link-to-birth-defects.pdf>

Ubiquitous nature of glyphosate: “A German study that concluded in June 2013 has discovered a significant amount of glyphosate in the urine of people and animals from all across Europe (1)(2)(3). Their analysis found that every urine sample contained concentrations of glyphosate at 5 to 20 times more than the limit for drinking water. Apart from being used increasingly in food production, glyphosate-based weedkillers are often sprayed onto railway lines, urban pavements, and roadsides.

The study examined urine from city workers, journalists, and lawyers who had no direct contact with glyphosate, so it’s interesting to see that it turned up in their urine samples — particularly since they were urban residents, not rural. Another study collected urine samples from 18 different countries from all over Europe and showed similar results. This should be followed up on healthwise.

Given the type of promotion and overuse in and to the population, storage inside enclosed retail and wholesale established stores whose employees and customers cannot avoid breathing the aisles of Roundup with glyphosate that is still emitted through the containers (in bulk); its unrestricted use on gardens and other lands, in the air, in the water without adequate safeguards and lack of proper laws and restrictions that are being enforced or imposed due to political jockeying, glyphosate is a chemical combined its POE A activation that is out of control. The label on it doesn’t even begin to state its harms.

Activated Glyphosate is not just something you can “just wash off! as the National Pesticide Center instructs us to do!” This toxin goes into the cells., and toxic buildup has long term negative impacts. Hospitals, the established medical institutions do NOT have the proper testing equipment to deal with the short and long term impact of activated glyphosate (the main ingredient in Roundup) and its various combinations and impacts on our bodies. Impacts of its use healthwise makes it prohibitive to properly access for treatment due to the cost and lack of equipment available to treat for its disruption on our bodies which collectively and individuals are subject to with the widespread impacts of its use in and on our foods to the general public;

Roundup with glyphosate should NOT be PERMITTED inside ANY indoor publicly accessed store. This should be ON THE CONTAINER. The toxins emitted into the space even though in containers filling entire aisles should be prohibitive to protect employees and customers in the store. Most hardware and garden stores have outside facilities. There should be a CROSSBONES on the container. This has not occurred in any hardware store I have seen in California.

Glyphosate has mega independent studies and lawsuits pending against various large ag companies due to pesticide harm to ag workers and ensuing payouts whether on or off the table. Kauai has multiple lawsuits pending by its residents for cancer and other health harms which should be taken into consideration. Kauai Councilman Gary Hooser can speak to this.

[Differential effects of glyphosate and roundup on human placental cells and aromatase](#)

S Richard, S Moslemi, H Sipahutar, N Benachour... - Environmental health ..., 2005 - JSTOR

... 1998). **Glyphosate** is believed to be rather specific and less **toxic** to the eco-system than are other pesticides; transgenic plants tolerant to this compound have even been developed following this argument ... In this study we tested **glyphosate** and Roundup **toxicity** on **human** ...

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[PDF] keephopealive.org

[Ethoxylated adjuvants of glyphosate-based herbicides are active principles of human cell toxicity](#)

[R Mesnage](#), B Bernay, GE Séralini - Toxicology, 2013 - Elsevier

Abstract Pesticides are always used in formulations as mixtures of an active principle with adjuvants. **Glyphosate**, the active ingredient of the major pesticide in the world, is an

herbicide supposed to be specific on plant metabolism. Its adjuvants are generally [Cited by 152](#) [Related articles](#) [All 14 versions](#) [Cite](#) [Save](#)

[HTML] acs.org

[Glyphosate formulations induce apoptosis and necrosis in human umbilical, embryonic, and placental cells](#)

N Benachour, GE Séralini - Chemical research in toxicology, 2008 - ACS Publications
... The real threshold of G **toxicity** must take into account the presence of adjuvants but also G ... This

should be discussed when analyzing the in vivo **toxic** actions of R. This work clearly ... synergistic effects, as we have shown (2) with others (3, 4). The main **glyphosate** (G) formulations ...

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[HTML] hindawi.com

[\[HTML\] Major pesticides are more toxic to human cells than their declared active principles](#)

[R Mesnage](#), N Defarge... - BioMed research ..., 2014 - hindawi.com

... the major pesticides used worldwide [8, 9]. First we tested Roundup and its AP, **glyphosate**. ...

expanding its use as an alternative to other pesticides known to be **toxic** [12 ... in some instances

less sensitive than primary **cells** [24, 25] and therefore do not overestimate **cellular toxicity**. ...

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[PDF] superhumanradio.com

[Glyphosate induces human breast cancer cells growth via estrogen receptors](#)

S Thongprakaisang, A Thiantanawat... - Food and Chemical ..., 2013 - Elsevier
... These **toxic** effects were reported to be more frequent with **glyphosate**-based herbicides than that with **glyphosate** alone. ... The present study provides a better understanding of possible mechanisms underlying **glyphosate toxicity** in a hormone dependent **human** breast cancer ...

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[PDF] gmofreeusa.org

[Cytotoxicity on human cells of Cry1Ab and Cry1Ac Bt insecticidal toxins alone or with a glyphosate-based herbicide](#)

R Mesnage, E Clair, S Gress, C Then... - Journal of Applied ..., 2013 - Wiley Online Library
... the first time cytotoxic effects of Bt toxins, alone or in combination with a **glyphosate**-based herbicide ... such as endocrine disruption, since Roundup is antiandrogenic from 0.5 ppm, below **toxic** levels and ... modified Bt toxins are not inert on **human cells**, but can exert **toxicity**, at least ...

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[HTML] oxfordjournals.org

[Detection of cytogenetic and DNA damage in peripheral erythrocytes of goldfish \(Carassius auratus\) exposed to a glyphosate formulation using the micronucleus test ...](#)

T Çavaş, S Könen - Mutagenesis, 2007 - Oxford Univ Press
... treatment with 4, 6 and 8 mg/l doses of **glyphosate** caused **toxic** effects on ... Therefore, **toxicity** studies at relatively high **glyphosate** concentrations are environmentally relevant, particularly when fish are acutely exposed immediately after **glyphosate** application (5). ...

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[PDF] academia.edu

[Glyphosate commercial formulation causes cytotoxicity, oxidative effects, and apoptosis on human cells: differences with its active ingredient](#)

G Chaufan, I Coalova... - International journal of ..., 2014 - journals.sagepub.com

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[Alteration of estrogen-regulated gene expression in human cells induced by the agricultural and horticultural herbicide glyphosate](#)

R Hokanson, R Fudge... - **Human & ...**, 2007 - journals.sagepub.com
... 5 Hori Y, Fujisawa M, Shimada K. Determination of the herbicide **glyphosate** and its ... Recent studies of the **human** immuno- **toxic** effects of 2,3,7,8 ... Environmental hormone disrupters - evidence that vinclozolin developmental **toxicity** is mediated by antiandrogenic metabolites. ...

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[Time-and dose-dependent effects of roundup on human embryonic and placental cells](#)

N Benachour, H Sipahutar, S Moslemi... - Archives of ..., 2007 - Springer
... We tested the **toxicity** potential of Roundup on 293 **cells** derived from a **human** embryo, at doses (from 0.01 ... quantities of **glyphosate** were adjusted to the same pH, to avoid measuring a specific action of **glyphosate** acidity. ... Its **toxic** effect is attenuated in the presence of serum (Fig ...

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[\[PDF\] researchgate.net](#)

[Toxicity of cerium oxide nanoparticles in human lung cancer cells](#)

W Lin, [Y Huang](#), [XD Zhou](#), [Y Ma](#) - International journal of toxicology, 2006 - ijt.sagepub.com
... Size-dependent **toxicity** of CeO₂ nanoparticles warrants further investigation. ... have demonstrated that (1) 20-nm CeO₂ nanoparticles reduce **cell** viability in **human** bronchoalveolar carcinoma ... the **cells**, as reflected by reduced GSH and α -tocopherol levels; (3) the **toxic** effects of ...

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[A glyphosate-based herbicide induces necrosis and apoptosis in mature rat testicular cells in vitro, and testosterone decrease at lower levels](#)

É Clair, [R Mesnage](#), C Travert, GÉ Séralini - Toxicology in vitro, 2012 - Elsevier
... Within 24–48 h Roundup is **toxic** from 0.05 ... R and G actions on adult rat freshly separated testicular **cells** in order to know the threshold of **toxicity**. ... Cytotoxicity of Roundup

