



A National Coalition of Unstoppable Moms

Empowered Moms, Healthy Kids

Glyphosate in Vaccines Report

September 5, 2016 by Zen Honeycutt

Comments or input by D.Huber, S.Seneff, H.Vlieger, and T.Bark.

Widespread Contamination of Glyphosate: water, rain, food, breast milk, beer, wine and now...vaccines?

Tests for Glyphosate in Childhood Vaccines Positive

Purpose

Concerned with the widespread contamination of glyphosate/Roundup and other glyphosate based herbicides from GMO chemical farming, Moms Across America initiated the testing of glyphosate in water, urine, breast milk, PediaSure feeding tube liquid given to pediatric patients with cancer, baby formula, and beverages. Since then, several groups have since reported finding glyphosate in cereal, bread, honey, cow's milk, soy sauce, pet food, beer and more.

In this recent project, Moms Across America submitted vaccines to be tested due to the ingredients of soy, corn, sugar or other genetically engineered derived ingredients from crops or animals fed GMO feed to explore the possible contamination of medical treatments.

Results

On March 14th, 2016 Moms Across America received results from Microbe Inotech Laboratories Inc. of St.Louis, Missouri which indicated that all five of the vaccines tested, manufactured by the world's largest vaccine companies, tested positive for the chemical glyphosate, the declared "active" ingredient in Roundup weedkiller and 700 other glyphosate-based herbicides. The lowest amount detected was 0.107 ppb in the Pneumococcal vaccine by Merck. The TDap vaccine by Sanofi Pasteur Lmt. had 0.123 ppb, Influenza by Novartis, 0.331 ppb and Hepatitis B by Glaxo Smith Kline, had 0.325 ppb glyphosate detected. **The MMR vaccine, also made by Merck which has been linked to autism by CDC whistle blower Dr.William Thomas, had levels 25X higher than the other vaccines, at 2.671ppb.**

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MMR Vaccine	undiluted	2.671 ppb
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Over the next few months, in efforts to follow a responsible scientific process, Moms Across America attempted to locate labs which would confirm the findings of glyphosate in vaccines with HPLC methodology. One lab said they could test, but was delayed. After learning of MAA's results an independent scientist tested 4 batches of vaccines and confirmed glyphosate's presence in many vaccines. He sent this information to Senator Shaheen of NH, the FDA, CDC, NIH and NBC in late August of 2016 and received no response. Moms Across America then decided to release their findings and insist that the FDA do their own confirmations for the presence of glyphosate based herbicide in vaccines.

It is important to note that because glyphosate is never used alone, the detection of glyphosate may be an indicator of the presence of many other co-formulants in glyphosate-based herbicides which have recently been shown by French scientist Seralini's team to be endocrine disruptors and up to [1000 times more toxic than glyphosate alone](#). The detection of the most widely used herbicide in the world in our medications has serious implications for consumers, the pharmaceutical industry and the chemical agriculture industry. The contamination of glyphosate and co formulants is a growing challenge for any manufacturer to maintain product purity using GMO and glyphosate based herbicide sprayed ingredients.

Sample Processing

To detect Glyphosate, an enzyme linked immunosorbent assay (ELISA) was used at [Microbe Inotech Laboratories Inc.](#) The sample along with a glyphosate specific antibody is added to a well coated with goat anti-Rabbit antibody and incubated for 30 minutes. Then a glyphosate enzyme conjugate is added. A competition occurs between glyphosate that is present in the sample and the enzyme labeled glyphosate analog for the antibody binding sites in the well. The wells are washed and a color solution is added. The color solution causes a color change in the wells containing the enzyme labeled glyphosate analog. Since the labeled glyphosate was in competition with the unlabeled glyphosate in the sample the color development is inversely proportional to the concentration of glyphosate in the sample. The wells are read at 450nm to determine absorbance.

Results are calculated based on a standard curve. The results are then adjusted based on the extraction procedure and final dilution.

The Elisa methodology used to screen for glyphosate is commonly used and is internationally acknowledged by chemical industries for screening. A newer form of testing, HPLC tandem MS is claimed by some to be even more sensitive and more accurate. Further testing is needed to determine definitively, the amounts of glyphosate and co-formulants in vaccines and consumer products.

Honeycutt comments on the testing, “Regardless of the exact amount of glyphosate determined to be present by further testing, It is appalling that *any amount* of the herbicide glyphosate (and consequently, co-formulants) is being detected in vaccines. In fact, any conflict over test results just enforces that this is something *which should have been determined 40 years ago before these chemicals were allowed to be sprayed on farms, food and allowed in our water.*”

How did glyphosate get into vaccines?

There are a few possibilities: [Vaccine Ingredients](#) such as, but not limited to: soy peptone, sucrose, and fructose are made from soy, corn and sugar ingredients which are commonly sourced from genetically engineered crops. 80% of GE crops are engineered to withstand Roundup, whose declared active chemical ingredient is glyphosate. [Residues of glyphosate are allowed by the EPA](#) on these crops and the crops are used for both human and animal feed.

Vaccine ingredients such as, but not limited to: calf serum, lactose, egg protein, hydrolyzed gelatin, chick embryo cell culture bovine albumin, Fenton medium (containing bovine serum extract), modified Latham medium (derived from bovine casein), and processed bovine gelatin are all derived from animals fed GE grains that are often sprayed repeatedly with Roundup during the growing season. Roundup is also used pre-harvest as a drying agent on Non-GMO crops. Glyphosate is a systemic chemical in plants and levels allowed in feedstuffs go as high as 400 ppm (1). Studies show glyphosate present in the milk and meat of animals fed GE/glyphosate sprayed grains. (2)

Comments from MIT scientist Dr. Stephanie Seneff on the presence of glyphosate in vaccines.

“Collagen is a protein found in large amounts in the ligaments of cows, and these ligaments are often used in the production of gelatin. The MMR vaccine and flu vaccine viruses are grown as live cultures on gelatin sourced from cows fed high concentrations of glyphosate in their GMO Roundup-Ready feed.

Collagen antibodies are linked to multiple diseases such as vasculitis and lupus, as shown in the abstract below. This could plausibly be due to glyphosate contamination in the protein

which prevents it from folding properly and prevents it from being broken down, causing an allergic immune reaction.(3) Further testing on glyphosate in collagen would be very beneficial.

Glyphosate could also be present in the sucrose (sugar) in many vaccines, including the flu vaccine and MMR. Sucrose could be sourced from GMO sugar beets or from cane sugar sprayed with glyphosate right before harvest. Soy is also present in some vaccines, such as pneumococcal and Hep-B. This is most likely GMO Roundup-Ready soy, another clear source of glyphosate. Another possibility is casein. Casein is found in milk which is found in DtAP, meningococcal and Tdap vaccines. Casein is a protein with glycine residues that could be substituted by glyphosate by mistake during protein synthesis.” -Stephanie Seneff

Implications

Is this small amount of glyphosate in vaccines of concern?

Scientists and farmer educators such as Dr. Don Huber and Howard Vlieger state that any amount of glyphosate exposure, internally or externally, is of concern. Numerous world experts agree that there should be zero internal glyphosate exposure.

50 year plant pathologist and soil microbiologist [Dr. Don M. Huber](#) Professor Emeritus, Purdue University comments: "This report shows that vaccines may contain glyphosate and they may contain genetically modified components as well, two products which totally counteract the immune system.

The quantity of material that vaccine producers require for production of a vaccine is relatively small. There is little reason for vaccine producers to not use the highest quality ingredients to ensure purity because of the highly invasive nature of the process."

From Farmer Educator, Howard Vlieger:

“It is regrettable that farmers have been severely misled to believe that glyphosate based herbicides are harmless. The truth about glyphosate herbicides has NEVER been told to farmers on the radio or in farm publications. Because of this and the weed resistance to glyphosate the rates of glyphosate that are applied per acre are obscenely high. Glyphosate has become ubiquitous in our environment and is destined to follow the same path as DDT. I believe history will show that glyphosate will meet the same fate as DDT and it cannot happen soon enough.”

The levels of glyphosate found in vaccines are all higher than what has been scientifically shown to destroy gut bacteria in chickens (4), cause liver and kidney damage and sex hormone changes in rats (5), increased antibiotic resistance (6) neurotoxicity (7) and caused human placental cell death (8) (9). The 2.671 ppb of glyphosate in the MMR vaccine is 26,671 X higher than the .1ppt that caused the

growth of breast cancer cell tissue in the study by Dr. Thongprakaisang called: Glyphosate Induces Growth in Human Breast Cancer Cells.(10)

Glyphosate has been deemed a probable carcinogen by the [World Health Organization](#). A reported [700 lawsuits](#) against Monsanto, the manufacturer of Roundup, are pending in connection to non Hodgkin's Lymphoma.

The levels of glyphosate found in vaccines, are a very small amount and lower than the USA allowable daily intake level: 1.75 mg for a 155 pound grown man (112 mg per day in the US and 19.2mg/day in the EU) as stated by a top endocrinologist. However, the ADI's do not take into consideration the weight and immune system vulnerability of an 8 pound, 2 month old human infant administered 6 vaccines. By age 1, when a 22 pound, 12 month old baby receives the MMR vaccine ([according to the CDC schedule](#)) he will have received 25 other vaccine doses potentially containing glyphosate in addition to the glyphosate from the MMR, directly into the bloodstream.

[Dr. Toni Bark](#) MD MHEM LEED AP states, " I am deeply concerned about injecting glyphosate, a known pesticide, directly into children. Neither roundup nor glyphosate has been tested for safety as an injectable. Injection is a very different route of entry than oral route. Injected toxins, even in minute doses can have profound effects on the organs and the different systems of the body. In addition, injecting a chemical along with an adjuvant or live virus, can induce severe allergic reactions to that substance as vaccines induce the immune system to create antibodies to whatever is included in the vaccine. Since glyphosate is heavily used in corn, soy, wheat, cotton, and other commodities, we can expect to see more severe food allergies in the vaccine recipients. In addition, chemicals in ultra low doses, can have powerful effects on physiology behaving almost as hormones, stimulating or suppressing physiological receptors. "

Although the industry of glyphosate-based herbicides claim that glyphosate is safe, it is banned in The Netherlands. France and Brazil are following suit and EU MEPs have recommended the cancellation of the license for glyphosate due to health concerns. Regardless of the safety of glyphosate, citizens rightfully question why the ingredient would not be listed in the ingredients, as aluminum, Polysorbate 80 and formaldehyde are listed on vaccines. Scientists are concerned with the injection of this chemical and co-formulants directly into the bloodstream of pregnant women and infants. Pediatricians are also concerned about the results of the chemical interaction of glyphosate with the other vaccine ingredients or other chemicals in the body due to environmental exposure, an area which is entirely untested.

Conclusion

Moms Across America has tested water, urine, breast milk, PediaSure, formula, and other drinks prior to this vaccine project to explore and raise awareness about the widespread contamination by

glyphosate, to raise awareness and eliminate exposure to glyphosate based herbicides and toxic exposure to babies, children and citizens. These tests are not scientific studies and are not statements about items tested themselves; however, these tests provide compelling evidence such that the manufacturers which use genetically engineered ingredients or glyphosate-sprayed crop derived ingredients in any product should expect contamination. Regulators who approve products for safety should be obligated to conduct or require independent testing for glyphosate and co formulators, recall contaminated products, and to determine how to reformulate products to eliminate glyphosate based herbicides and all toxins from their products. **Due to increasing discovery of a small amount of contamination in organic food products, air, water rain and now medical treatments as well, the only way to prevent drift or water/fertilizer glyphosate contamination is to discontinue the use of glyphosate based herbicides and toxic chemical farming entirely.**

Concerned citizens are encouraged to learn more about what is in the products they use or consume, do their best to avoid toxic chemical exposure in daily life, and to demand that regulatory agencies require better protection immediately.

Contact

Zen Honeycutt, Executive Director Moms Across America
zen@momsacrossamerica.org

Don M. Huber
Professor Emeritus, Purdue University
huberd@purdue.edu

Dr. Stephanie Seneff
seneff@csail.mit.edu

Dr. Toni Bark
info@diseasereversal

Sources

(1) EPA increased residues levels on crops in May 2013. [EPA document link.](#)

(2) Krüger M, Schrödl W, Pedersen Ib, Shehata AA (2014) Detection of glyphosate in malformed piglets. J Environ Anal Toxicol 4: 230. doi:10.4172/2161-0525.1000230
<http://omicsonline.org/open-access/detection-of-glyphosate-in-malformed-piglets-2161-0525.1000230.pdf>

(3) Reference for collagen autoantibodies: <http://www.ncbi.nlm.nih.gov/pubmed/1864017> Clin Immunol Immunopathol. 1991 Sep;60(3):412-8. Collagen autoantibodies in patients with vasculitis and systemic lupus erythematosus. Moreland LW1, Gay RE, Gay S.

(4) [The Effect of Glyphosate on Potential Pathogens and Beneficial Members of Poultry Microbiota In Vitro](#) Awad A. Shehata • Wieland Schrodl • Alaa. A. Aldin • Hafez M. Hafez • Monika Kru"ger

(5) Séralini, G. E., et al. (2012). Long term toxicity of a Roundup herbicide and a Roundup-tolerant genetically modified maize. Food and Chemical Toxicology 50(11): 4221-4231.

(6) Glyphosate causes antibiotic resistance University of Canterbury's Professor Jack Heinemann
mbio.asm.org/content/6/2/e00009-15

(7) Mechanisms underlying the neurotoxicity induced by glyphosate-based herbicide in immature rat hippocampus: Involvement of glutamate excitotoxicity Daiane Cattani, Vera Lúcia de Liz Oliveira Cavalli, Carla Elise Heinz Rieg, Juliana Tonietto Domingues, Tharine Dal-Cim, Carla Inês Tasca, Fátima Regina Mena Barreto Silva, Ariane Zamoner *

(8) Endocrine disruption and cytotoxicity of glyphosate and roundup in human JAr cells in vitro
http://www.gmo-evidence.com/wp-content/uploads/2015/03/IPTG-1-104.pdf Fiona Young, Dao Ho, Danielle Glynn and Vicki Edwards

(9) And Time- and Dose-Dependent Effects of Roundup on Human Embryonic and Placental Cells N. Benachour,1 H. Sipahutar,2 S. Moslemi,3 C. Gasnier,1 C. Travert,1 G. E. Seralini 1

(10) Glyphosate induces human breast cancer cells growth via estrogen receptors
Authors: Thongprakaisang S, Thiantanawat A, Rangkadilok N, Suriyo T, Satayavivad J. _ncbi.nlm.nih.gov

To contact vaccine producers for more information and request the removal of glyphosate and toxic chemicals, [click here](#).

Moms Across America is a 501 c3 non profit. Moms Across America commissioned these tests independently from any other organization or individual. Our mission is to raise awareness about toxic exposure, empower leadership, and create healthy communities. We support local activities, initiate campaigns and share solutions nationwide to improve our health and freedoms.

Why Test Vaccines for Weedkiller?

The Story Behind Exposing the Widespread Contamination of Glyphosate/Roundup Worldwide

After nearly losing her eldest son to a nut allergy reaction Zen Honeycutt learned that 85% of processed foods in America contain genetically modified organisms or GMOs. She also learned that 80% of GMOs are engineered to withstand the weedkiller Roundup/glyphosate This prompted her to begin asking how she could test for the presence of glyphosate in her three boys, all of whom had allergies. Honeycutt learned that scientist Carrasco showed in his scientific study that the destruction of beneficial gut bacteria and proliferation of pathogenic gut bacteria occurred in lab animals at only 0.1ppb of glyphosate . The beneficial gut bacteria are responsible for 70% of the immune system in human and animals. Levels in food range from 0.2ppm to 40 ppm, the highest being corn, soy, sugar, canola and cotton which are genetically engineered to withstand the spraying of Roundup during the growing season. She was concerned that glyphosate in the food and environment could

be destroying her children's beneficial gut bacteria, leading to leaky gut and food allergies. Initially, she could not find doctors or labs that would test for this almost ubiquitous herbicide.

With the support of a farmer friend, Honeycutt finally secured a lab, Microbe Inotech Laboratories Inc. willing to do the tests in the fall of 2013. By spring of 2014, citizens had sent in 40 samples of water and urine and 10 samples of breast milk. Glyphosate was found in the water at levels 3x higher than what is allowed in Europe, 10X higher in the urine than what was found in European business professionals and 1600X higher in the breast milk than what is allowed in the drinking water in Europe.

She found glyphosate in her middle son's urine at 8 times the acceptable level in drinking water in Europe. At the same time, her son had a sudden onset of autism symptoms, fungus, c.diff (pathogenic gut bacteria), leaky gut and gut dysbiosis. Within six weeks of removing exposure to glyphosate by eating 100% organic, Honeycutt's son no longer tested positive for glyphosate and his autism symptoms were gone. The symptoms included erratic behavior, hitting, lethargy, rashes and a dramatic drop in grades, and have not returned in over 3 years. His grades are back up, he is healthy and has a new future that is not compromised by behavioral and learning difficulties or the potent drugs advocated for him.

These findings prompted her group and others to conduct further testing- a full independent scientific study on glyphosate in breast milk is underway by a US lab. The following year, glyphosate was found by MAA at levels far above that which destroys the gut bacteria in PediaSure feeding tube liquid given to children with cancer, and by other groups in honey, Fruitloops, Kashi cereal, bread, grains, soy sauce, Doritos and more. After the breast milk findings, she and thousands of women called the EPA and demanded the retraction of the license for glyphosate. After a meeting with Honeycutt and her group, (coincidentally on May 27, Rachel Carson's birthday-author of the prophetic book "Silent Spring"), the EPA agreed to do their own testing for glyphosate in breast milk. Results are pending. Further testing by USGS disclosed that glyphosate is contaminating the water, rain, soil, and air, and stays viable in dark salty water for 315 days. After submitting an FOIA to the EPA, and obtaining studies which showed that white shrimp died at levels above 5.2 ppm in 96 hours, and learning that glyphosate remains viable in dark, salty water for 315 days, Honeycutt grew increasingly concerned about the possible connection of harmful glyphosate exposure to fetuses, the size of a shrimp, which float in dark, salty womb water. "Natural" cane sugar for instance could be sprayed with glyphosate and is allowed by the EPA to have residues up to 25 ppm. Pregnant women often crave sugary foods and could be exposing their babies to a chemical which alters sex hormones and can cause other harm to a developing fetus. Two other groups, one in Pennsylvania and one in Germany, also found glyphosate in their breast milk. Glyphosate has been found in all 14 of the German beers tested for the herbicide and the EU decided to delay their decision regarding the reapproval of glyphosate for the time being. Reports of high levels of glyphosate in New Zealand's cow milk also have been reported.

Social media controversy regarding SB 277 in 2015 regarding vaccines compelled Honeycutt, whose children are almost completely vaccinated, to read the ingredients in vaccines for the first time. Ingredients such as soy peptone broth, sucrose and fructose (sugar or corn) and animal (which consume GMOs) byproducts such as bovine gelatin, bovine serum, and chicken embryo cell culture concerned her. Knowing that 85-99% of soy, corn and sugar crops are GMO in the United States, and that animals eat grains with high levels of glyphosate residues, Honeycutt wondered if the vaccine ingredients could have glyphosate in them?

Labs to test vaccines were hard to find, or required 50 ml of each vaccine, which was cost prohibitive. The same lab which tested the breast milk, Microbe Inotech Laboratories Inc., using the same methodology as the German beer test, agreed to test vaccines with the understanding that, like the breast milk, the testing was not validated for that type of substance and would be exploratory testing only, not conclusive. Honeycutt, due to a limited budget, agreed, hoping that test results would, as in the breast milk testing, prompt further testing by the scientific and manufacturing communities.

On March 14, lab results showed that all five vaccines sent to Microbe Inotech Laboratories Inc. came back positive for levels of glyphosate above that which has been shown to cause harm to living cells in numerous scientific studies. The MMR vaccine resulted in the highest level of glyphosate, nearly 25X higher than the Pneumococcal vaccine.

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The results are extremely concerning. Only 0.1ppb has been scientifically shown to destroy the gut bacteria in a chicken. Newborns are the size of a chicken. 0.1 ppt has been shown to stimulate the growth of breast cancer cell tissue. Glyphosate has been shown to be a neurotoxin and to cause heart toxicity. Is the presence of this chemical a contributing factor to the growing reports of vaccine damage? In addition to the concerning presence of a weedkiller in our medical treatments, the findings show the widespread contamination of glyphosate due to GMO crops, which must stop.

Manufacturers of any product, albeit food, drinks, body care products, drugs, supplements or medical treatments which use GMO products would do well to assume that their products will be contaminated by glyphosate based herbicides and other chemical residues due to the GMO ingredients.

GMOs are currently found in corn, soy, sugar, alfalfa, canola, or cottonseed oil, Hawaiian Papaya, Arctic apple, or Simplot potatoes. 160 crops are allowed to have glyphosate levels above .2 ppm by the EPA.

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Contact

Zen Honeycutt, Executive Director, Moms Across America
info@momsacrossamerica.org