Dangerous Pesticides in Your Pee

Analysis by Dr. Joseph Mercola | Fact Checked

July 30, 2020

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STORY AT-A-GLANCE
- More than 80% of U.S. children and adults, ages 6 years and up, have detectable levels of the herbicide glyphosate in their urine, according to data from the U.S. Centers for Disease Control and Prevention. Over of 2,310 urine samples that were collected as part of the National Health and Nutrition Examination Survey (NHANES), 1,885 contained glyphosate levels at or above the detection limit
- Glyphosate, which is the active ingredient in the popular herbicide Roundup, is the most widely used herbicide in the U.S. agricultural sector and the second most used herbicide in the home and garden sector. Its use increased more than 200-fold since 1974, according to the CDC.
- The International Agency for Research on Cancer (IARC) classified glyphosate as a probable human carcinogen in 2015; yet significant additional health concerns have been raised, with research linking glyphosate to fatty liver disease and kidney disease.
- Glyphosate residues have been found in foods like breakfast cereal and honey as well as in air, rain, municipal water supplies, and samples from breast milk, organic plant-based protein supplements and even vaccines, including the pneumococcal, Tdap, hepatitis B and rotavirus injected on the day of birth, influenza and MMR.
- In 2017, researchers from University of California San Diego (UCSD) School of Medicine tested urine levels of glyphosate and its metabolite aminomethylphosphonic acid (AMPA) among 100 people living in Southern California over a period of 23 years — from 1993 to 2016.[1]
- They chose this timeframe because genetically engineered (GE) crops were introduced to the U.S. in 1994, and glyphosate is used in large quantities on GE glyphosate-tolerant crops (i.e., Roundup Ready varieties); its use increased nearly 15-fold since 1994.
- At the start of the study very few of the participants had detectable levels of glyphosate in their urine, but by 2016, 70% of them did. Overall, the prevalence of human exposure to glyphosate increased 500% during the study period within actual levels of the chemical, in cg/mL increased by a shocking 1,200%.[2]

Glyphosate Is in Your Food

GE crops like herbicide-resistant corn, soybeans and cotton are a major source of glyphosate residues. Such crops led to a 527-million-pound increase in herbicide use in the U.S. from 1996 to 2011.[3] However, even non-GE foods often contain glyphosate because the chemical is used as a pre-harvest drying agent, or desiccant.

About two weeks prior to harvest of grain crops like wheat, oats and barley, glyphosate may be sprayed onto the crop, which accelerates the drying process, allowing for earlier harvest. The use of glyphosate as a desiccant may be particularly problematic because it's unlikely to be washed, which could result in higher residue levels and greater exposures to consumers.

Oat-based cereal and snack products, including popular brands like Quaker Oats, have been marketed as "glyphosate free" in addition to contacting cancer-causing levels of glyphosate[4] as a result of the desiccation process. In 2020 Food Safety Magazine[5] reported they're phasing out the use of glyphosate as a desiccant by 2025.[6]

However, glyphosate has also been detected in Pediatrics Entrad Formula nutritional drink, which is given to infants and children via feeding tubes,[7] to get an idea of just how widespread it is.

Glyphosate was also detected in a variety of Frama complete meals formulas, including that taken directly from St Gaetano on the Hawaiian island of Kauai. There, glyphosate residues were found in 27% of honey samples, at levels as high as 660 parts per billion (ppb).[8] Manuka honey from New Zealand — prized for its medicinal properties and purity — is also contaminated with glyphosate.

Out of 300 samples tested, 22.3% contained glyphosate residues above the laboratory limit of reporting, with lower or positive Royal Jelly testing positive more often than other products. About 1.7% of the unfirmed or unprocessed (raw extracted) honey samples contained glyphosate residues at levels above the regulatory limit.[9]

Bayer Roundup Cancer Trials Continue

More than 100,000 people have brought court cases against Bayer, which now owns Monsanto, over allegations that exposure to Roundup caused them to develop cancer.[10] As noted by U.S. Right to Know, Bayer AG, which bought Monsanto in 2018, has earmarked more than $16 billion to try to settle all of the U.S. Roundup cases, but many plaintiffs have refused to settle, and cases continue to go to trial.[11]

Research published in Frontiers in Genetics supports glyphosate's cancer link, finding that exposure in low concentrations (in parts per trillion) may induce cancer in cells when combined with mycoRNA-183 by (miR183-5p).[12]

MicroRNA-183 is a gene regulatory molecule found in everyone, and overexpression of the molecule has been linked to cancer. Michael Antoniou of King's College London, who peer reviewed the study, stated, "These observations highlight for the first time a possible biomarker of glyphosate activity at the level of gene expression that could be linked with breast cancer formation."[13]

However, there are more than 1 million crop farmworkers in the U.S., half of which do not have legal work authorization. These workers have some of the highest agricultural chemical exposures in the U.S., but they're likely to be left out of legal justice. Environmental Health News (EHN) reported:[14]

> *"Legal experts say migrant farmworkers, who are at the forefront of pesticide exposure — including Roundup — are expected to be left out of any future lawsuits exactly how many migrant farmworkers have filed lawsuits against Bayer.*
>
> *However, after speaking with law firms that have represented plaintiffs from major Roundup cancer lawsuits and farmworker organizations across the country, EHN has found no evidence that any migrant farmworkers have filed lawsuits against Bayer. Fear of retaliation, and a lack of legal resources and legal immigration status, has deterred migrant farmworkers' likelihood to seek justice and compensation."*

Agricultural Fumigants Linked to Cancer

Roundup is just "one of a whole toxic soup of pesticides" that farmworkers are exposed to, Jeanne Kitzmiller with the Farmworker Association of Florida, told EHN. "On many occasions, they are spraying right next to the vehicle I was picking fruit," Ernestina Solano, a Mexican farmworker in Watsonville, California, told EHN. "I just protect the fruit and nobody tell me what they were spraying."

One such fumigant is metam, another agricultural pesticide that's recently been linked with cancer. In a study of 17 contiguous states in the Western U.S., fumigant usage was associated with cancer incidence among adults and children.[15] Metam, the most used fumigant, was also associated with miscarriages in adults.

In a separate study that compared cancer in children with exposure to environmental contaminants, including metals and pesticides, in Idaho, the environmental burden index was significantly associated with pediatric cancer incidence.[16] The study identified that the counties with the highest environmental burden index, which included pesticide exposure, had more cancer among children than counties with lower Environmental Burden,[17] the researchers concluded.

Alan Kolok, a University of Idaho professor and director of the Idaho Water Resources Research Institute, who led both studies, told Sustainable Pulse that the findings warrant further research into the correlation between pesticides and cancer.[18]

> *"We're not trying to be alarmist, and we're not trying to say, 'Oh, look, there's a direct relationship between the data.' That's not at all what they're saying. But at the same time, it would be disingenuous of us to not recognize that in a darkened room, we keep seeing a shape that it really is a cat! In action of let's do more research on this, elaborate or what's going on relative to that shiny object.*
>
> *It is absolutely striking how different states are from each other and counties are from each other. Which begs the question of if the pesticide load is different that's being used in the state, does that cascade to a potential exposure to people? And the answer, from our two papers, is that there is suggested information that argues that it may well map. It's a first step down that road, but it's a significant first step."*

Tips for a Glyphosate Detox

One of the best ways to reduce your pesticide exposure is to choose organic or biodynamically grown foods, which are not genetically engineered nor sprayed with glyphosate as a desiccant. Also, stop using glyphosate-based chemicals and other agricultural chemicals in your backyard and garden immediately.

Because glyphosate is so widespread, with the majority of people likely exposed, you may also want to consider a detox geared at this particular chemical. Consuming organic unsprayed food applies color image is one strategy, as it contains scintillator, which can break down glyphosate, according to Stephen Powell, a senior research scientist at the Massachusetts Institute of Technology, who has been studying glyphosate since 1990.

Powell's research has found that glyphosate is a good option to help detoxify glyphosate, because it eliminates glyphosate and need to saturate your body with glycine.

Dr. Dietrich Klinghardt, who is a specialist in metal toxicity and its connection to chronic infections, recommends taking 1 teaspoon of glycine powder twice a day for a few weeks and then lower the dose to one-fourth teaspoon (1 gram) twice a day. This forms the glyphosate and glycine complex, allowing it to be eliminated through your urine.

If you prefer foods instead of supplements, organic, grass fed collagen is naturally rich in glycine, as is organic bone broth, which is an excellent source of glycine-rich collagen, to support your glyphosate detoxification.

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Guillermo
Joined On 6/12/2014 6:47:46 AM
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GMOs, pesticides, glyphosate means diseases, cancer and death, it means degeneration of the earth and the human race. It means slowness and stupidity, it means disconnection from the Divine, it means the end of the human race. Glyphosate is a poison, it is a neurotoxin, it causes hard tumors, which will be too large from the people, in a precise fashion. Conections between transgenic crops and conventional and organic crops is impossible genetic contaminations inevitable. With the time the process of ending hunger in the world, transgenic component processed seeds will better harvests, resistance to drought, resistance to extreme weather conditions, salinity, etc.

The truth is that, after almost 2 decades since the introduction of these crops, none of these super strains have been developed. The only thing we have on the market are products that are resistant to natural herbicides or pesticides and crops are affected. Being patented, the farmer owns the seed and must pay royalties. Farmers are forbidden to the contamination. The farmer, the only beneficiary are the multinationals, the farmer is a slave of the multinationals. Farmers are forced to buy the seeds, they are forced to use pesticides, they are forced to use herbicides, they are forced to use fertilizers. Argentina, Bolivia, Brazil and Chile are the top countries in the world in the use of pesticides.

Some of these have been been produced of war material, such as Monsanto and Agent Orange from Vietnam, or Bayer (formerly IG Farben) and the gas from killed children. Since the beginning of the Nazi dictatorship, the Nazis used Bayer's products in the gas chambers. Bayer's products were used in the Holocaust, they were used in the Holocaust, they were used in the Holocaust, they

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rrealrose
Joined On 11/10/2011 8:59:01 AM
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Geeze Louise!! Toxic soup may be an understatement, how about turning outdoor environment into a chemical laboratory, unfit for any creature on earth? New article written by Carey Gilliam from yesterday, outlines the pervasive nature of FOREVER CHEMICALS, especially for people living near airports, military bases, anywhere fire suppression chemicals were used: "PFAS testing needed for people with elevated exposures, US science advisors say" - PFAS testing needed for people with elevated exposures, US science advisors say

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All part of the plans for the "Great Reset" open conspiracy.

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SaritaSarah
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Just wait till food on the shelves goes missing and is replaced with Bill Gates's version of Frankenfood. Sigh.

Mark as Spam | Posted On 7/30/2022 7:22:53 AM
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meehan2661
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As mentioned in some of the comments --yes--it is in your water. We use a charcoal filter at the sink--transfer that water to a berkey. So our drinking water I would assume is ok. Also installed a shower filter. A few times we went to replace the cartridge it was out of stock. In the mean time my wife was battling skin cancer and did a chelation drop of urine. To our surprise, the glyphosate level came back tremendously high. Conclusion--inadvertently was getting a bath in the unfiltered tub. So a quick check of the water utility companies in the area reveled that they don`t test for it. Go figure--we eat organic and non gmo. We live in paradise but our area around us is full of golf courses and our drinking water comes from the surface water from a river that runs down from the middle of the state. And the kicker is we were doing glycine. So--be proactive and watch what you are drinking and consuming. It is all around us.

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Patricia1936
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We marched, protested and drove the company making glyphosate to stop glyphosate production in St Louis, MO. Then it was sold to Bayer, a criminal company that was part of the German convention camp atrocities. Now it's worse than ever since it's used to dessicate plants just prior to harvest and this delivers enen more gkyphosate to us. Why is Glyphosate still being sold? Boycott Bayer, including Bayer Aspirin.

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SaritaSarah
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Faced with clear evidence that Big Ag and Big Pharma—sanctioned by Big Government and the elite—are trying to kill is, it fascinates me how many still believe in them. Those people are drifting further and further away. When will people wake up? When it's too late?

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Krofter
Joined On 6/2/2015 9:47:59 AM
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If one lives near or in an agricultural area, it will be nigh on to impossible to escape glyphosate. This includes much of the Eastern half of the US.

Reply | Mark as Spam | Posted On 7/30/2022 8:50:02 AM
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