

## How Toxic Is Roundup?

A new study published in Archives of Toxicology proves once again that there really is no safe level of exposure to Monsanto's Roundup (glyphosate) herbicide formula for genetically-modified organisms (GMOs). According to the new findings, Roundup, which is applied by the tens of thousands of tons a year all around the world, is still toxic to human DNA even when diluted to a mere 0.02 percent of the dilution amount at which it is currently applied to GM food crops.

Numerous studies have already identified the fact that Roundup causes DNA damage, not to mention endocrine disruption and cancer. But this new study is one of the first to illustrate Roundup's toxicity at such drastically diluted levels, which is a direct contradiction of the agri-giant's talking points about the supposed safety of Roundup.

Interestingly, it is not so much just the glyphosate ingredient in Roundup that is extremely poisonous, as much as it is this chemical's amplified toxicity in the presence of other additives in the formula. Polyoxyethyleneamine, for instance, a surfactant that facilitates glyphosate's absorption into cells, has been found to significantly increase Roundup's synergistic toxicity in humans.

Despite Monsanto's claims to the contrary, Roundup is clearly an exceptionally toxic chemical that has no legitimate place in agriculture. Roundup is linked to causing Non-Hodgkin Lymphoma, imbalanced hormones in children, DNA damage, low testosterone, endocrine disruption, liver cancer, meningitis, infertility, skin cancer, kidney damage, and even uranium poisoning.

Environmentally, Roundup is a pervasive threat to air, water, and particularly groundwater and drinking supplies, as studies have shown that it does not effectively biodegrade after being sprayed. Last fall, the U.S. Geological Survey (USGS) released data showing that air and water all across America's "bread belt," where much of our nation's food is grown, is highly contaminated with glyphosate.

From the newsletter of:

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