

# Scientists Release 21 Health Problems Linked to Monsanto's Roundup After 20 Years of Research





In 1974, Monsanto invented the herbicide glyphosate and brought it to market under the name Roundup after DDT was banned. However, the use of Roundup didn't become popular until the 1990s because Monsanto changed their marketing strategy.

The new strategy involved creating genetically engineered seeds that could tolerate high doses of Roundup. This allowed farmers to grow crops of corn, soy, cotton, canola, sugar beets and alfalfa that would thrive while the weeds shrivelled around them.

In order to sell more of their popular herbicide, Monsanto encouraged farmers to use Roundup to dry out their crops so that they could be harvested faster. This meant that non-GMO crops like wheat, barley, oats, and many others were being sprayed regularly.

## Two Decades of Deceit

Monsanto has falsified data on Roundup's safety in order to market it to parks

departments and consumers as 'environmentally friendly' and 'biodegradable' so it can be used in public areas as well as homes. A french court ruled that these claims constituted false advertising. ([BBC News](#))

In nearly 20 years of intensifying exposure, scientist have been documenting certain health consequences of Roundup and glyphosate. Here is a list of the specific health problems that they have attributed to the exposure of Roundup and/or glyphosate:

### **ADHD:**

In farming communities, there is a strong correlation between Roundup exposure and attention deficit disorder (ADHD), most likely due to glyphosate's ability to disrupt thyroid hormone functions. ([Polish Journal of Environmental Studies](#))

### **Alzheimer's Disease:**

In studies, it was found that Roundup causes the same type of neural death and oxidative stress associated with Alzheimer's. It also affects CaMKII, which is an enzyme whose dysregulation has also been associated with the disease. ([Journal of Organic Systems](#))

### **Autism:**

Glyphosates have a number of known biological effects that are associated with pathologies that are known for autism. Furthermore, glyosphates capacity to promote the storage of aluminum in the brain may be a leading cause of autism in the US. ([Journal of Organic Systems](#))

### **Birth Defects:**

Glyphosate can disrupt the signalling pathway for Vitamin A, which is crucial

for proper fetal development. A study showed elevated level of glyphosates and birth defects in children, including an imperforate anus, growth hormone deficiency, heart defects, amongst others. ([Occupational and Environmental Medicine](#))

### **Cancer:**

Glyphosate has a known capacity to induce DNA damage which attributes to the high cancer rates found. Common cancers associated with glyphosate are [breast cancer](#), brain cancer, and Non-Hodgkin's lymphoma. ([Food and Chemical Toxicology](#), [Canadian Family Physician](#), [American Cancer Society](#))

### **Celiac Disease and Gluten Intolerance:**

Glyphosate causes imbalances in gut bacteria, mineral deficiency, amino acid depletion, and the impairment of enzymes used in detoxifying environmental toxins, which parallels characteristics of Celiac disease. ([The Journal of Institute of Experimental Pharmacology of Slovak Academy of Sciences](#))

### **Chronic Kidney Disease:**

Glyphosate destroys the renal tissue when it mixes in with hard water and nephrotoxic metals and forms complexes, which has caused kidney failure in agricultural workers in India, Sri Lanka, and central America. ([Journal of Organic Systems](#))

### **Colitis:**

Glyphosate's toxicity to beneficial bacteria that suppress clostridia, along with clostridia's high tolerance to glyphosate, could be a major factor in the overgrowth of clostridia. Clostridia overgrowth, specifically C. difficile is a proven causal factor of colitis. ([Journal of Organic Systems](#))

**Depression:**

Glyphosate disrupts certain chemical processes that impact the production of serotonin; serotonin impairment has long been linked to [depression](#). It also regulates mood, sleep, and appetite. ([Journal of Organic Systems](#))

**Diabetes:**

Rats that were fed an environmentally relevant dose of Roundup over 30 days at the onset of puberty had reduced testosterone production that altered testicular cell morphology and delay the onset of puberty. Low levels of testosterone is a risk factor for Type 2 diabetes. ([Journal of Organic Systems](#))

**Heart Disease:**

Glyphosate disrupts the body's enzymes causing lysosomal dysfunction, a major factor in heart failure and cardiovascular disease. ([Journal of Organic Systems](#))

**Hypothyroidism:**

A house-to-house survey of 65,000 people in farming communities in Argentina where Roundup is used found a higher rates of people with hyperthyroidism.

**Inflammatory Bowel Disease:**

Glyphosate can cause severe tryptophan deficiency, which can lead to an extreme inflammatory bowel disease. This severely disrupts the body's ability to absorb nutrients through the gut due to inflammation, diarrhea, and bleeding. ([Journal of Organic Systems](#))

**Liver Disease:**

A 2009 study published in *Toxicology* found that low doses of Roundup can disrupt human liver cell function. ([Journal of Organic Systems](#))

### **Lou Gehrig's Disease (ALS):**

Glyphosate disrupts sulfate transport from the gut to the liver and over time it may lead to a severe sulfate deficiency in the brain. Sulfate deficiency in the brain has been associated with ALS.

### **Multiple Sclerosis (MS):**

It is believed that IBS causes gut bacteria to leak into the vasculature, which triggers an immune reaction and consequently an autoimmune disorder resulting in the destruction of the myelin sheath. ([Journal of Organic Systems](#))

### **Parkinson's Disease:**

It has been well documented that exposure to glyphosate leads to the onset of Parkinson's and lab studies show that glyphosate induces the cell death characteristics of the disease. ([Journal of Organic Systems](#))

### **Pregnancy Problems (infertility, miscarriages, stillbirths):**

Glyphosate is toxic to human placental cells, and scientist say that it explains the amount of pregnancy problems experienced by agricultural workers exposed to the herbicide. ([Occupational and Environmental Medicine](#))

### **Obesity:**

Glyphosate exposure may contribute to obesity in humans because it produces a shift in gut bacteria to produce endotoxin-producers. A study transferred a strand of endotoxin bacteria from the guy obese human into gut of mice and the mice became obese. ([Journal of Organic Systems](#))

## **Reproductive Problems:**

Delayed puberty, decreased sperm production, and decreased testosterone production was found in male rats who were exposed to high levels of glyphosate either during prenatal or pubertal development. ([Journal of Organic Systems](#))

## **Respiratory Problems:**

High rates of respiratory problems was found when a survey of over 65,000 people in a farming town in Argentina where Roundup is commonly used. ([Regulatory Toxicology and Pharmacology](#))

This overwhelming evidence can only strengthen a fact that is already quite obvious: companies like Monsanto are creating products that do more damage than good. It is important that people keep informed about where their food comes from to live, long, healthy lives.

SOURCE:

<http://www.truth-out.org/news/item/28856-monsanto-s-roundup-enough-to-make-you-sick>

[assets.bwbx.io/images/users/iqjWHBFdfxIU/i\\_B7pRegoRg8/v1/-1x-1.jpg](assets.bwbx.io/images/users/iqjWHBFdfxIU/i_B7pRegoRg8/v1/-1x-1.jpg)