

To those who support the renewal of the registration of glyphosate or remain silent about it

"Corporate totalitarianism ... rules through dispensability and corruption. It treats communities, people, countries, ecosystems and species as disposable and dispensable."

Update on glyphosate renewal: On May 17 2017, the European Commission announced its intention to renew the license for glyphosate for 10 years despite a petition last year from 1.5 million citizens urging them not to. The British Government and civil servants supported this renewal wholeheartedly. **But are they aware of the implications?** The EU Commission was in a hurry because it didn't want to wait for the Monsanto Papers to come out. However, MEPs have asked for an inquiry into them.

What are the Monsanto papers?¹

59 lawsuits against Monsanto Co. are pending in U.S. District Court in San Francisco, filed by people alleging that exposure to Roundup herbicide caused them or their loved ones to develop non-Hodgkin lymphoma, and that Monsanto covered up the risks. The lead case is 3:16-md-02741-VC. On March 13th, U.S. District Judge Vince Chhabria ruled — over Monsanto's objections — that documents obtained by plaintiffs through discovery could be unsealed.

There are 50 court documents many of which are very embarrassing to Monsanto and include emails about collusion with scientists in the US EPA, ghost-writing and getting academics to sign, using trolls to terrorize scientists, fraud, false claims and a letter from Marion Copley, an EPA scientist who died from cancer of the breast 4 years ago and wrote to Jess Rowlands her former colleague and accused him of colluding with Monsanto.²

"Glyphosate was originally designed as a chelating agent and I strongly believe that is the identical process involved in tumor formation." She identified 14 properties of glyphosate as a chelator of minerals that make it carcinogenic. *"It is essentially certain that glyphosate causes cancer."*

In addition, there are at least 40 Reporting and Analysis documents.

According to Christoph Then at Testbiotech the EU never intended to ban glyphosate³

"24 May 2017 / The EU Commission has announced that it is planning to extend authorisation for glyphosate for a further ten years. The decision is based on the latest evaluation published by the European Chemicals Agency (ECHA) in March 2017, declaring glyphosate to be safe. However, it appears that banning the herbicide was never seriously considered. In fact, the EU Commission approved 14 new import authorisations for genetically engineered plants resistant to herbicides even while official discussions on the evaluation of glyphosate were still in progress. All of these plants will contain residues from spraying. Several of the genetically engineered plants recently approved for import are not only resistant to glyphosate, but also to combined applications of other herbicides, such as 2,4-D, dicamba, glufosinate and isoxaflutole. These herbicides are also known to leave residues that are potentially damaging to health. It is particularly problematic that the EU is not requesting feeding studies with these plants containing residues to investigate any possible risks to health before they are approved. The combination of residues in the plants

¹ <https://usrtk.org/pesticides/mdl-monsanto-glyphosate-cancer-case-key-documents-analysis/>

² <https://www.organicconsumers.org/sites/default/files/marioncopleyletter.pdf>

³ <https://www.testbiotech.org/en/node/1995>

can be even more toxic than glyphosate alone.

In conclusion, no more genetically engineered plants should be authorised as long as comprehensive assessment of the health risks of the residues from spraying with glyphosate or other herbicides is not performed. At the same time, it is essential to promote alternatives to replace the current imports of animal feed. Furthermore, the EU governments should take measures to systematically reduce the spraying of glyphosate and other herbicides in order to protect biodiversity and the environment."

The European Commission cited the European Chemical Agency Report to give support

Published on 15/03/2017 ECHA said the available scientific evidence did not meet the criteria to classify glyphosate as a carcinogen, as a mutagen or as toxic for reproduction but **it was toxic to aquatic life with long lasting effects.** ⁴

Jack de Bruijn, in charge of risk assessment, explains that ECHA's role is in the labelling and classification of chemicals. "*We only look at the hazardous properties of a chemical,*" he said, "*not at the risks that occur when you use a chemical.*"

ECHA had acknowledged the receipt of my two photo-journals

But when challenged, ECHA said they could not take these into account. I pointed out that in addition they were authorising a chemical that was **toxic to aquatic life with long lasting effects that is responsible for the near collapse of salmon and trout stocks in Welsh rivers.** 31/03/2017 River Teifi salmon shortage is reaching 'crisis point' because of lack of aquatic invertebrates for the salmon and trout fry to feed on. Coracle fishermen have said they will start returning any salmon they catch because of concerns about fish stocks. ⁵ I had no reply.

On 29/05/2017 I wrote to the UK Chemicals Regulation Directorate about our biodiversity

Extract: *In 2006 our nature reserve in Wales had 143 species of moth (some in numbers up to 500). In 2017 we have virtually none. Between 2006 and 2011 we had 22 species of butterfly. In 2017 there are very few butterflies and mostly the 'white' varieties. Aquatic life only started to disappear in 2016.* It was the fourth time since 02/2014 I had asked them to stop Swansea Council's Contractor Complete Weed Control endlessly spraying Roundup over weeds and Japanese knotweed, an invasive weed in their 'war on weeds' because of the gradual disappearance of wildlife from our reserve. The CRD and HSE refused to write to the Council; they said the spraying of glyphosate was still legal.

Glyphosate is a carcinogen and EFSA's studies were flawed

On 28 May 2017 Prof Chris Portier of the International Agency for Research into Cancer wrote to President Juncker to say that EFSA's studies were flawed. ⁶

Extract: Open letter: Review of the Carcinogenicity of Glyphosate by EChA, EFSA and BfR⁷

From Dr Christopher Portier to President Juncker

Dear President Juncker

Executive Summary: The European Food Safety Agency (EFSA) and the European Chemical Agency (EChA) have completed their assessments of the carcinogenic potential of glyphosate and concluded that the evidence does not support a classification for glyphosate. The raw data for the animal cancer studies for glyphosate have been released, and a reanalysis of these data show eight instances where significant increases in tumor response

⁴ <https://echa.europa.eu/-/glyphosate-not-classified-as-a-carcinogen-by-echa>

⁵ <http://www.bbc.co.uk/news/uk-wales-south-west-wales-39445368>

⁶ <https://corporateeurope.org/food-and-agriculture/2017/05/scientist-writes-juncker-new-tumour-evidence-found-confidential>

⁷ <https://corporateeurope.org/sites/default/files/attachments/letterjuncker28may2017.pdf>

following glyphosate exposure were not included in the assessment by either EFSA or ECHA. This suggests that the evaluations applied to the glyphosate data are scientifically flawed, and any decisions derived from these evaluations will fail to protect public health. I ask that the evaluations by both EFSA and ECHA be repeated for all toxicological endpoints and the data underlying these evaluations be publicly released.

How the BfR conducted their studies in the Renewal Assessment Report (RAR) ⁸

“What is **clear** from the RAR though is that BfR did not draft its report from scratch but rather used the work of the Glyphosate Task Force (GTF), a “*consortium of companies joining resources and efforts in order to renew the European glyphosate registration with a joint submission*”. This is how BfR **describes** its work:

“Due to the large number of submitted toxicological studies, the RMS was not able to report the original studies in detail and an alternative approach was taken instead. The study descriptions and assessments as provided by GTF were amended by deletion of redundant parts (such as the so-called “executive summaries”) and new enumeration of tables. Obvious errors were corrected. Each new study was commented by the RMS. These remarks are clearly distinguished from the original submission by a caption, are always written in italics and may be found on the bottom of the individual study summaries.”

In other words, the BfR was overwhelmed by the volume of industry's submission and only commented on the summaries provided by the Glyphosate Task Force.

The Agrochemical and Pharmaceutical Industry work within UK Government

One corporation causes diseases and the other tries to cure them. Both they and the British Government make a lot of money that the UK taxpayer is funding. Syngenta is one member of the GTF. Syngenta manufactures its own formulated glyphosate and a GM crop engineered to be resistant to glyphosate. Michael Pragnell CBE was the founder of Syngenta, former Chairman of Cancer Research UK (CRUK) 2010-2016 and former President of Croplife International. The UK Science Media Centre (SMC) is funded by corporations and is hosted by the Wellcome Trust. Colin Macilwain, a science policy writer from Edinburgh who has worked as a reporter and an editor from both sides of the Atlantic wrote about plans to replicate Britain's Science Media Centre (SMC) in the United States, which he said was “*fraught with danger.*”⁹

Extracts: “*The London SMC was set up because UK scientific leaders were upset that environmentalists had successfully fought the introduction of genetically modified food; they felt that the UK media were too susceptible to environmental scare stories about new technologies.*

Despite the fears of the SMC founders, the British press — led by the BBC, which treats the Confederation of British Industry with the deference the Vatican gets in Rome — is overwhelmingly conservative and pro-business in its outlook. It is quite unperturbed by the fact that SMC sponsors include AstraZeneca, BP, Coca-Cola, L'Oreal, Monsanto, Syngenta (as well as Nature Publishing Group) but not a single environmental non-governmental organization (NGO) or trade union.

Fiona Fox, the SMC's director, says that the centre operates independently of its sponsors and points out that none (except its host, the Wellcome Trust) accounts individually for more than 5% of its income.” (However, examination of the Funding for 2014,¹⁰ the total funding from industry and trade bodies (27% from 29 Organizations) exceeds any other source of funding apart that from the Government & the Wellcome Trust). “*She adds that no NGOs*

⁸ <https://corporateeurope.org/food-and-agriculture/2015/04/glyphosate-saga-independent-scientific-advice-according-germany-uk>

⁹ <http://www.nature.com/news/two-nations-divided-by-a-common-purpose-1.10224>

¹⁰ <http://www.sciencemediacentre.org/about-us/funding/>

are involved because it was their public-relations skills that the founders of the SMC sought to match.”

Macilwain goes on to say: “But the perception that the environmental group Friends of the Earth constitutes a bigger threat to scientific truth-telling than some of the corporate names on the SMC’s sponsorship list is not one the US media would accept. Some of those considering a US centre share these concerns. They think that their funding model will have to rely on charitable trusts, not companies or government agencies.”

The Telegraph has finally broken the silence of the UK Media about pesticides¹¹

This Report: Human health implications of organic food and organic agriculture written by the European Parliamentary Research Service, European Parliament.

Abstract

This report reviews the existing scientific evidence regarding the impact of organic food on human health from an EU perspective and the potential contribution of organic management practices to the development of healthy food systems. Very few studies have directly addressed the effect of organic food on human health. They indicate that organic food may reduce the risk of allergic disease and obesity, but this evidence is not conclusive. Consumers of organic food tend to have healthier dietary patterns overall. Animal experiments suggest that identically composed feed from organic or conventional production has different impacts on early development and physiology, but the significance of these findings for human health is unclear.

In organic agriculture, the use of pesticides is restricted. Epidemiological studies point to the negative effects of certain insecticides on children’s cognitive development at current levels of exposure. Such risks can be minimised with organic food, especially during pregnancy and in infancy, and by introducing non-pesticidal plant protection in conventional agriculture.

There are few known compositional differences between organic and conventional crops. Perhaps most importantly, there are indications that organic crops have a lower cadmium content than conventional crops due to differences in fertiliser usage and soil organic matter, an issue that is highly relevant to human health. Organic milk, and probably also meat, have a higher content of omega-3 fatty acids compared to conventional products, but this is not likely to be nutritionally significant in light of other dietary sources.

The prevalent use of antibiotics in conventional animal production is a key driver of antibiotic resistance. The prevention of animal disease and more restrictive use of antibiotics, as practiced in organic production, could minimise this risk, with potentially considerable benefits for public health.

It could result in new limits on pesticide levels or changes to labelling of foodstuffs, under EU laws that require the UK to review its policies by next year. On page 15 in the Million Women Study, those who said they ate predominantly organic foods had a significant reduction in the risk of NH Lymphoma.

Summary of the advisory opinion of the International Monsanto Tribunal¹²

Delivered on the 18th of April 2017 in The Hague, Netherlands

The International Monsanto Tribunal is a unique "Opinion Tribunal" convened by civil society to clarify the legal obligations and consequences of some of the activities of the Monsanto Company. In brief: the five judges of the Monsanto Tribunal agree that:

- **Monsanto has violated human rights to food, health, a healthy environment and the freedom indispensable for independent scientific research.**
- **‘ecocide’ should be recognized as a crime in international law.**

¹¹ <http://www.telegraph.co.uk/news/2017/06/02/organic-foods-backed-landmark-report-warning-pesticides-far/>

¹² http://www.monsanto-tribunal.org/upload/asset_cache/1016160509.pdf

- human rights and environmental laws are undermined by corporate-friendly trade and investment regulation.

Report presented to UN Human Rights Council about the Right to Food ¹³

The Report presented to the UN human rights council on 08/03/2017 is severely critical of the global corporations that manufacture pesticides, accusing them of the “*systematic denial of harms*”, “*aggressive, unethical marketing tactics*” and heavy lobbying of governments which has “*obstructed reforms and paralysed global pesticide restrictions*”. The report authored by Hilal Elver the UN Special Rapporteur on the right to food and co-authored by Baskut Tuncak, the UN’s special rapporteur on toxics, says pesticides have “*catastrophic impacts on the environment, human health and society as a whole*”, including an estimated 200,000 deaths a year from acute poisoning. Its authors said: “*It is time to create a global process to transition toward safer and healthier food and agricultural production.*” “*It is a myth,*” said Hilal Elver. “*Using more pesticides is nothing to do with getting rid of hunger. According to the UN Food and Agriculture Organisation (FAO), we are able to feed 9 billion people today. Production is definitely increasing, but the problem is poverty, inequality and distribution.*”

Elver said many of the pesticides are used on commodity crops, such as palm oil and soy, not the food needed by the world’s hungry people: “*The corporations are not dealing with world hunger, they are dealing with more agricultural activity on large scales.*”

Glyphosate – pathways to modern diseases and other proof

Samsel and Seneff have written six papers on this and there are more to come. Industry studies show that when glyphosate is absorbed it distributed throughout the body. Samsel obtained under FOI Monsanto’s secret studies that had been lodged with the US EPA that showed Monsanto knew it caused cancers and also cataracts (paper IV). However, the US EPA would not consider these papers in their review of glyphosate’s carcinogenicity because they said they weren’t original work. They concluded, like the European regulators, that glyphosate wasn’t carcinogenic.

A study involving a new technique of ‘multiomics’ is the first ever to show a causative link between consumption of Roundup at a real-world environmentally relevant dose and non-alcoholic fatty liver disease, (NAFLD). ¹⁴ NAFLD currently affects **25% of the US population** and **similar numbers of Europeans**. Risk factors include being overweight or obese, having diabetes, or having high cholesterol or high triglycerides (a constituent of body fat) in the blood. However, some people develop NAFLD even if they do not have any of these known risk factors.

An epidemic of diseases strongly correlated with glyphosate that have been increasing in the US since 1995.

Allergies, asthma	Alzheimer’s disease	Arthritis
Atopic dermatitis	Autism	Autoimmune diseases
ADHD Bipolar	Birth defects	Bloat (fatal)
Bowel disease	Cancers (some)	Coeliac disease
Chronic fatigue syndrome	Colitis	Crohn’s disease
Dementia	Diabetes (Type 2)	Difficile diarrhea
Gluten intolerance	Indigestion	Inflammatory bowel disease
Irritable bowel disease	Leaky gut syndrome	Liver abnormalities

¹³ <http://www.pan-uk.org/site/wp-content/uploads/United-Nations-Report-of-the-Special-Rapporteur-on-the-right-to-food.pdf>

¹⁴ <http://www.gmwatch.org/en/news/archive/17402-roundup-causes-non-alcoholic-fatty-liver-disease-at-very-low-doses>

Miscarriage/infertility	Morgellan's disease	Multiple sclerosis
Obesity	Pancreatic abnormalities	Parkinson's disease
Renal disease/failure	Sudden infant death	Cataracts & eye diseases
Stroke	Hypertension	Hypercholesterolaemia

Cancers probably associated with glyphosate

The US EPA classified glyphosate as a Group C carcinogen in 1985. This was based on the incidence in rats/mice of **renal tumours, thyroid C-cell adenomas and carcinomas, pancreatic islet cell adenomas, hepatocellular adenomas and carcinomas** in males. In 1991 the classification was changed to non-carcinogenic in humans.¹⁵

Samsel and Seneff: **Glyphosate, pathways to modern diseases IV: cancer and related pathologies**¹⁶ *Epidemiological evidence supports strong temporal correlations between glyphosate usage on crops and a multitude of cancers that are reaching epidemic proportions, including **breast cancer, pancreatic cancer, kidney cancer, thyroid cancer, liver cancer, bladder cancer and myeloid leukaemia.***

Genetically-engineered crops, glyphosate and the deterioration of health in the United States of America. Swanson *et al.*¹⁷

*Abstract: A huge increase in the incidence and prevalence of chronic diseases has been reported in the United States (US) over the last 20 years. Similar increases have been seen globally. The herbicide glyphosate was introduced in 1974 and its use is accelerating with the advent of herbicide-tolerant genetically engineered (GE) crops. Evidence is mounting that glyphosate interferes with many metabolic processes in plants and animals and glyphosate residues have been detected in both. Glyphosate disrupts the endocrine system and the balance of gut bacteria, it damages DNA and is a driver of mutations that lead to cancer. Cancers of the **thyroid** (R = 0.988), **liver** (R = 0.960), **bladder** (R = 0.981), **pancreas** (R = 0.918), **kidney** (R = 0.973) and **myeloid leukaemia** (R = 0.878).*

Cancer Research UK (CRUK) website shows increasing trends in cancers

The Cancer Research UK (CRUK) website shows similarly increasing trends over time in graphs from 1975 (when glyphosate was introduced) for **thyroid cancer**,¹⁸ **breast cancer**,¹⁹ **prostate cancer**,²⁰ **malignant melanoma**,²¹ **liver cancer**,²² **myeloma**,²³ and **anal cancer**.²⁴ The CRUK website's comments about pesticides as a cause of cancer: "For now, the evidence is not strong enough to give us any clear answers. But for individual pesticides, the evidence was either too weak to come to a conclusion, or only strong enough to suggest a "possible" effect. The scientific evidence on pesticides and cancer is still uncertain and more

¹⁵ http://www.epa.gov/opp00001/chem_search/cleared_reviews/csr_PC-103601_30-Oct-91_265.pdf

¹⁶ https://www.academia.edu/17751562/Glyphosate_pathways_to_modern_diseases_IV_cancer_and_related_pathologies

¹⁷ http://www.organic-systems.org/journal/92/JOS_Volume-9_Number-2_Nov_2014-Swanson-et-al.pdf

¹⁸ <http://www.cancerresearchuk.org/cancer-info/cancerstats/types/thyroid/incidence/>

¹⁹ <http://www.cancerresearchuk.org/cancer-info/cancerstats/types/breast/incidence/#trends>

²⁰ <http://www.cancerresearchuk.org/cancer-info/cancerstats/types/prostate/incidence/uk-prostate-cancer-incidence-statistics#trends>

²¹ <http://www.cancerresearchuk.org/cancer-info/cancerstats/types/skin/incidence/uk-skin-cancer-incidence-statistics#trends>

²² <http://www.cancerresearchuk.org/cancer-info/cancerstats/types/liver/incidence/#trends>

²³ <http://www.cancerresearchuk.org/cancer-info/cancerstats/types/myeloma/incidence/#trends>

²⁴ <http://www.cancerresearchuk.org/cancer-info/cancerstats/types/anal-cancer/Incidence/#Trends>

research is needed in this area.²⁵ NB Michael Pragnell CBE was the founder of Syngenta, former Chairman of Cancer Research UK (CRUK) 2010-2016 and former President of Croplife International.

Alcohol is linked with seven forms of cancer: this ‘alleged fact’ is endlessly reinforced by the UK media until people in the UK are brainwashed and believe it to be true

An article was published in the *British Medical Journal* on 9 April 2016²⁶ reporting a survey commissioned by **Cancer Research UK** ‘People lack awareness of link between alcohol and cancer.’ The Report produced by researchers at the University of Sheffield ‘comes ahead of the consultation closing on how well new drinking guidelines proposed by the UK’s Chief Medical Officers in January 2016, are communicated.’²⁷

“Almost 90 per cent of people in England don’t associate drinking alcohol with an increased risk of cancer” Alison Cox, **Cancer Research UK**’s Director of Cancer Prevention. She said: “The link between alcohol and cancer is now well established, and it’s not just heavy drinkers who are at risk. Drinking alcohol is linked to an increased risk of seven different cancers - liver, breast, bowel, mouth, throat, oesophageal (food pipe), laryngeal (voice box) - but when people were asked “which, if any, health conditions do you think can result from drinking too much alcohol?” just 13 per cent of adults mentioned cancer.” Dr Penny Buykx, a senior research fellow at The University of Sheffield and lead-author of the report, said: “We’ve shown that public awareness of the increased cancer risk from drinking alcohol remains worryingly low. People link drinking and liver cancer, but most still don’t realise that cancers including breast cancer, mouth and throat cancers and bowel cancer are also linked with alcohol, and that risks for some cancers go up even by drinking a small amount.”

Multimomics reveal non-alcoholic fatty liver disease in rats following chronic exposure to an ultra-low dose of Roundup herbicide.²⁸

Overall, metabolome and proteome disturbances showed a substantial overlap with biomarkers of non-alcoholic fatty liver disease and its progression to steatohepatosis and thus confirm liver functional dysfunction resulting from chronic ultra-low dose Glyphosate-Based Herbicide (GBH) exposure. The study is the first ever to show a causative link between consumption of Roundup at a real-world environmentally relevant dose and a serious disease.

In addition, non-organic wine and beer contain residues of glyphosate.²⁹

Reinforcement by the industry-funded UK Science Media Centre by Prof Alan Boobis

The Health Editor of *The Guardian* Dennis Campbell reported a study by Connor from New Zealand that appeared to confirm that alcohol was a direct cause of seven forms of cancer.³⁰ He implied it was NEW research. He quoted Prof Alan Boobis from the Science Media Centre³¹ who gave a link to **Cancer Research UK**. He also reported Dr Penny Buykx, who had been commissioned by CRUK to undertake a study...but he did not quote Prof Dorothy Bennett who said this wasn’t a NEW study from New Zealand but a review by Connor

²⁵ <http://www.cancerresearchuk.org/cancer-info/healthyliving/cancercontroversies/pesticides/>

²⁶ <http://www.bmj.com/content/353/bmj.i1881>

²⁷ <http://www.cancerresearchuk.org/about-us/cancer-news/press-release/2016-04-01-9-in-10-dont-link-alcohol-and-cancer>

²⁸ <http://www.nature.com/articles/srep39328>

²⁹ <http://sustainablepulse.com/2016/02/25/german-beer-industry-in-shock-over-probable-carcinogen-glyphosate-contamination/#.WTXAORSFDzI>

³⁰ <https://www.theguardian.com/society/2016/jul/22/alcohol-direct-cause-seven-forms-of-cancer-study>

³¹ <http://www.sciencemediacentre.org/expert-reaction-to-research-on-alcohol-and-cancer/>

purporting to be a new study. Campbell appeared to be reinforcing the pesticides industry line.

Alan Boobis, claimed he had no conflicts of interest, but Arthur Neslen Guardian's European Environment Editor showed that his organisation had received industry money

Alan Boobis, who claimed he had no conflicts of interest, was Vice President of the International Life Science Institute (ILSI) Europe, an organisation that had received money from both Monsanto and CropLife International. The following report was from the Europe Environment Editor Arthur Neslen.³² *"A UN panel that on Tuesday ruled that glyphosate was probably not carcinogenic to humans has now become embroiled in a bitter row about potential conflicts of interests. It has emerged that an institute co-run by the chairman of the UN's joint meeting on pesticide residues (JMPR) received a six-figure donation from Monsanto, which uses the substance as a core ingredient in its bestselling Roundup weedkiller. Professor Alan Boobis, who chaired the UN's joint FAO/WHO meeting on glyphosate, also works as the vice-president of the International Life Science Institute (ILSI) Europe. The co-chair of the sessions was Professor Angelo Moretto, a board member of ILSI's Health and Environmental Services Institute, and of its Risk21 steering group too, which Boobis also co-chairs. In 2012, the ILSI group took a \$500,000 (£344,234) donation from Monsanto and a \$528,500 donation from the industry group CropLife International, which represents Monsanto, Dow, Syngenta and others, according to documents obtained by the US right to know campaign."* When Glyphosate was reassessed in 2002, Alan Boobis was also Chairman of the UN's joint meeting on pesticide residues.³³ Prof Boobis is current Chairman of the UK Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment (CoT), which is supposed to be an independent body.

Evidence that obesity is a problem related to glyphosate: a study showed that in 2025, the UK will have the highest obesity rates among both men and women in Europe, at 38%: in contrast in France women have had virtually no increase in BMI over 40 years³⁴

A study on obesity published in *The Lancet* in March 2016 says: *"About a fifth of all adults around the world and a third of those in the UK will be obese by 2025, with potentially disastrous consequences for their health."*

Obesity levels in England are second only to the US and are running a parallel course to the US, and Australia is catching up; they are all in the hands of the pesticides industry

Anthony Samsel is giving evidence to the California Environmental Protection Agency on 07/06/2017 to advise them on the safe levels of glyphosate

He wrote:

"There are no safe levels of glyphosate. Glyphosate is a synthetic amino acid and analogue of our canonical amino acid glycine and participates in plant and animal biology.

One microgram of glyphosate technical acid (N-phosphonomethyl glycine) contains 3.561 trillion molecules each capable of integrating with a protein altering shape, folding and function. I am a US scientist and hazardous chemicals materials consultant and expert on the subject of Glyphosate. I am one of few people to have received all of the Monsanto's trade secret sealed studies on glyphosate from the US EPA. The federal agency supplied these

³² <https://www.theguardian.com/environment/2016/may/17/unwho-panel-in-conflict-of-interest-row-over-glyphosates-cancer-risk>

³³ http://whqlibdoc.who.int/publications/2006/9241665203_eng.pdf?ua=1

³⁴ <https://www.theguardian.com/society/2016/mar/31/one-fifth-of-worlds-adults-will-be-obese-by-2025-study-predicts>

documents in excess of 100,000 pages to me under the FOIA with special consideration for my research into this chemical. I now have six peer-reviewed papers on the subject of glyphosate and several more papers on the glyphosate in progress, a short list to some of these studies links are appended. The full series of peer-reviewed glyphosate papers may be found at ResearchGate in the author file under Anthony Samsel.

I call on the California Environmental Protection Agency to immediately ban the chemical glyphosate based on the latest scientific research conducted here in the USA.

Glyphosate has recently been found to integrate with structural proteins as well as animal i.e. human enzymes that include digestive enzymes pepsin, trypsin and lipase as well as lysozyme."

After some technical details he finishes the document:

"The fact that glyphosate integrates with human enzymes should be reason enough to ban this chemical completely. There should be no glyphosate or glufosinate in the food supply nor in drinking water, air or soil. Glyphosate is a synthetic amino acid that should have no place in biology.

We are but one biosphere, what affects one affects all."

Kind regards,

Anthony Samsel

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"In the past the world suffered grievously from lack of knowledge, today it suffers from its rejection." ~ Dr. Arthur D. Little

**I SUGGEST THE BRITISH GOVERNMENT AND CIVIL SERVANTS TAKE ALL OF THIS ON BOARD
BEFORE IT SUPPORTS THE EUROPEAN REGULATORS**

**DO THEY WANT TO END UP IN THE INTERNATIONAL CRIMINAL COURT ALONG SIDE
MONSANTO BEING CHARGED WITH CRIMES AGAINST HUMANITY: ECOCIDE AND
POISONING PEOPLE WITH PESTICIDES IN THEIR FOOD?**

Rosemary Mason 06/06/2017