

## Open Letter to Lord Gardiner of Kimble, Prof Chris Whitty and Sir Chris Wormald

Lord Gardiner of Kimble Under Secretary of State for Defra

Reference: TO2019/22109

Prof Chris Whitty, Chief Medical Officer for England

Sir Chris Wormald, Permanent Secretary at the Department of Health and Social Security

Reference: CMODE-1197840

In 1949, the Westminster Government invited Monsanto to set up a factory in Newport manufacturing toxic synthetic chemicals. They also made a contract with BayerCrop Science, the former IG Farben that colluded with the Nazis and ran a factory and a prisoner of war camp at Auschwitz. The medical staff experimented on the inmates and committed genocide of more than 30,000 European Jews. Their chemical factories which produced poisoned gases during the war were converted in factories that made agricultural pesticides for farming from much the same ingredients.

The Westminster Government let the agrochemicals companies to do as they pleased, including aerial spraying which had been banned by the legislation EU Sustainable Use of Pesticides (**DIRECTIVE 2009/128/EC OF THE EUROPEAN PARLIAMENT**). They said that they wouldn't legislate but allow the pesticides industry to decide. That's how UK Cities and Towns were allowed to spray pesticides over people, schools, parks, in the vicinity of hospitals for which the EU Sustainable Use of pesticides said the risks were high. That is why Boris Johnson wants Brexit, because he wants to authorise GM Roundup Ready Crops and make a trade deal with the US.

In 2006, we established a pesticide-free nature reserve. Between 2006 and 2010 we documented huge numbers of insects that seemed to appear from now-where, as if by magic. We photographed moths, butterflies, bumblebees (seven types), hoverflies, beetles, wasps, lady birds, solitary bees, four types of bush cricket, shield bugs, spiders, in particular the orb web spider and her mating strategy. There were two bat species that benefitted from the profusion of insects, and many swallows, house martins and swifts flew over the fields. It was miraculous. In 2010, we published two photo-journals: *Speckled Bush Crickets* and *The Year of the Bumblebee*.

In 2011, Swansea City and County Council were asked by Ilston Community Council in the valley below us to attempt to destroy Japanese Knotweed using Roundup. Japanese Knotweed had become resistant to Roundup in the 1980s. Like the weeds in the US, that meant that however much chemical was sprayed, it was impossible to kill it; it just grew bigger and stronger. Between 2012 and 2017 the numbers of insects declined. We asked the Health and Safety Executive and Defra if they would ask the Council to stop spraying Roundup which was poisoning our reserve. They said they wouldn't because it was still legal.

Monsanto, the British Government and the UK and EU Regulators say that glyphosate is safer than table salt. But would table salt kill all these insects that we recorded in our photo-journals or cause apocalyptic declines globally?

The invertebrates in our nature reserve were poisoned. My neurologist read our photo-journals and concluded that I had developed a toxic neurodegenerative disorder secondary to long-term exposure to glyphosate-based herbicides.

### President of the European Commission re-authorised Glyphosate

In December 2017, when Jean-Claude Juncker the President of the European Commission re-authorised Glyphosate on behalf of the European Glyphosate Task Force, he used the European Chemicals Agency (ECHA) assessment that glyphosate wasn't carcinogenic i.e. it didn't cause cancer.

But he deliberately omitted to say that ECHA classified glyphosate as a **substance causing serious eye damage** and being **toxic to aquatic life with long lasting effects**.

That's why in June 2019 there were 35,000 patients on the waiting lists in Wales at risk of going blind.

That's why salmon and trout numbers in Wales are declining due to starvation.

In July 2019 Lesley Griffiths, the Wales Environment and Agriculture Minister, enacted a Byelaw that would protect fish stocks. She acknowledges that the *"effects of agricultural pollution have a significant impact on the mortality of these stocks. I intend to bring into force regulations to tackle agricultural pollution in January 2020, aligning with the introduction of the Byelaws."*

### **David Cameron appointed Michael Pragnell, founder of Syngenta on to the Board of Cancer Research UK in 2010; he became Chairman in 2011**

Michael Pragnell former Chairman of Cancer Research UK (2010-2017), founder of Syngenta and former Chairman of CropLife International was awarded a CBE in 2017 for services to cancer research. CropLife International was founded in 2001.<sup>1</sup> As of 2015 CropLife International's member list includes the following 8 companies: [BASF](#), [Bayer CropScience](#), [Dow AgroSciences](#), [DuPont](#), [FMC Corp.](#), [Monsanto](#), [Sumitomo](#) and [Syngenta](#). Many of these make their own formulated glyphosate. CRUK, the former Chief Medical Officer for England and Public Health England, linked cancer to alcohol, obesity and smoking. You all blamed the people for 'lifestyle choices'. Where is the scientific evidence for this?

### **Not surprisingly, the CRUK website denies that there is any link between pesticides and cancer**

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 research is needed in this area."*<sup>2</sup>

### **The UK media have kept the people in the dark about pesticides**

The UK media which is owned by millionaires such as Rupert Murdoch, or which are supported by the agrochemical industry such as the BBC, have kept the people in the dark. They are silent about pesticides that are poisoning the British people.

They haven't informed the British people about the trials involving Roundup in the US. Bayer estimates that there are currently more than 42,000 plaintiffs alleging that exposure to Monsanto's Roundup and other glyphosate-based herbicides made by Monsanto caused them or their loved ones to develop non-Hodgkin lymphoma.<sup>3</sup> In the UK there were 13,605 new cases of Non-Hodgkin Lymphoma in 2015 (and 4,920 deaths in 2016).

On 7<sup>th</sup> December 2019 former Monsanto Chairman and CEO [Hugh Grant](#) will have to testify in person at a St. Louis-area trial set for January in litigation brought by a cancer-stricken woman who claims her disease was caused by exposure to the company's Roundup herbicide and that Monsanto covered up the risks instead of warning consumers.

### **On 28/08/2018 Robert F Kennedy Jr. one of the US Attorney's fighting Bayer, said: Bayer Needs More Than an Aspirin to Cure Its Monsanto-Sized Headache<sup>4</sup>**

*"In a special telephone meeting on Thursday, August 23, Bayer AG's CEO Werner Bauman tried to reassure the German conglomerate's principal shareholders who were concerned about the recent [drop](#) in the company's stock.*

<sup>1</sup> [https://www.vinci.com/vinci.nsf/en/management-board-directors/pages/michael\\_pragnell.htm](https://www.vinci.com/vinci.nsf/en/management-board-directors/pages/michael_pragnell.htm)

<sup>2</sup> <http://www.cancerresearchuk.org/cancer-info/healthyliving/cancercontroversies/pesticides/>

<sup>3</sup> <https://usrtk.org/monsanto-papers/>

<sup>4</sup> <https://www.organicconsumers.org/blog/kennedy-monsanto-roundup-verdict-bayer-stock>

Bayer's stock fell dramatically after an unfavorable [verdict](#) against Bayer's St. Louis subsidiary, Monsanto. Bauman expressed his confidence in [Monsanto](#) and predicted a sunny future for its flagship herbicide, Roundup. He told his top-tier investors that Bayer had performed an adequate due-diligence on Monsanto before [purchasing](#) the troubled company for \$66 billion this past June. At the time of its purchase, Monsanto told its German suitors that a \$270-million set-aside would cover all its outstanding liabilities arising from Monsanto's 5,000 Roundup cancer lawsuits.

Bauman did concede to anxious shareholders that Monsanto had withheld [internal papers](#) relevant to the case. Bayer never saw those internal Monsanto documents prior to the purchase.

It's no surprise that Monsanto kept secrets from Bayer. Johnson's jury [heard evidence](#) that for four decades Monsanto maneuvered to conceal Roundup's carcinogenicity by capturing regulatory agencies, corrupting public officials, bribing scientists and engaging in scientific fraud to delay its day of reckoning. The jury found that these activities constituted "malice, fraud and oppression" warranting \$250 million in punitive damages.

I am one of several attorneys representing, collectively, now some 8,000 clients with similar cases. I attended the two-month trial and worked with the trial team led by two young and exceptionally gifted lawyers, Brent Wisner of Baum Hedlund Aristei & Goldman and Dave Dickens of The Miller Firm. For Bayer the worst is yet to come.

Despite Monsanto's efforts, the science [linking glyphosate](#)—Roundup's active ingredient—to non-Hodgkin's lymphoma has passed the critical inflection point. European nations are [moving](#) to ban or restrict the chemical, and California regulators and courts have [ordered](#) Monsanto to warn consumers of Roundup's carcinogenicity at all points of sale. Both federal and state courts across the country have agreed that the question can be sent to juries. Hundreds of new inquiries have flooded our offices since the Johnson verdict.

Perhaps more ominously for Bayer, Monsanto also faces cascading scientific evidence [linking glyphosate](#) to a constellation of other injuries that have become prevalent since its introduction, including obesity, depression, Alzheimer's, ADHD, autism, multiple sclerosis, Parkinson's, kidney disease, and inflammatory bowel disease, brain, breast and prostate cancer, miscarriage, birth defects and declining sperm counts. Strong science suggests glyphosate is the culprit in the exploding epidemics of celiac disease, colitis, gluten sensitivities, diabetes and non-alcoholic liver cancer which, for the first time, is attacking children as young as 10.

Researchers peg glyphosate as a potent endocrine disruptor, which interferes with sexual development in children. The chemical compound is certainly a chelator that removes important minerals from the body, including iron, magnesium, zinc, selenium and molybdenum.

Roundup [disrupts the microbiome](#) destroying beneficial bacteria in the human gut and triggering brain inflammation and other ill effects.

The public's growing concerns with Roundup are, in part, due to Monsanto's overreaching.

For two decades following its licensing in 1974, farmers and gardeners used Roundup as a conventional weedkiller. After Monsanto's introduction of Roundup Ready seeds in the 1990s, farmers began aerial spraying of the herbicide on entire fields, including newly planted corn, canola and soy genetically altered to thrive in the toxic mist that killed all neighboring weeds.

Then, around 2006, Monsanto started marketing Roundup as a [desiccant](#) to dry up oats and wheat immediately before harvest. For the first time, farmers were spraying the chemical directly on food. Roundup sales rose dramatically to 300 million pounds annually in the U.S., with farmers spraying enough to cover every tillable acre in America with a gallon of Roundup.

Glyphosate now accounts for about [50% of all herbicide use](#) in the U.S. About [75% of glyphosate use](#) has occurred since 2006, with [the global glyphosate market](#) projected to reach \$11.74 billion by 2023. Never in history has a chemical been [used](#) so pervasively. Glyphosate is in our air, water, plants, animals, grains, vegetables and meats. It's in beer and wine, children's [breakfast cereal and snack bars](#) and mother's breast milk. It's even in our vaccines.

As grim as its financials now look, Monsanto's reputational liability may be even more of an anchor for Bayer than all the lawsuits. Environmentalists complain that Roundup is exterminating at least 13

species in the U.S. alone, including North America's iconic [Monarch butterfly](#). Human rights advocates blame the [suicides](#) of more than 200,000 Indian farmers on the suffocating economics caused by Monsanto's monopolistic control of international seed stocks. Government regulators are already under pressure to restrict these sorts of chemical mayhems with laws limiting glyphosate and GMOs.

### **Pesticides are not the concern of the Department of Health**

The Department of Health ignores pesticides at its peril. None of the more than 400 pesticides that have been authorised in the UK have been tested for long-term actions on the brain; in the foetus, the child or the adult. In the words of the late Theo Colborn, President, TEDX (the Endocrine Disruptor Exchange) reviewing the book by Professor Philippe Grandjean. ONLY ONE CHANCE: How Environmental Pollution Impairs Brain Development - and How to Protect the Brains of the Next Generation. *"This book is a huge gift to humankind from an eminent scientist. Grandjean tells the truth about how we have been ruining the brain power of each new generation and asks if there are still enough intelligent people in the world today to reverse the problem. I cannot rid myself of the idea that too many brains have been drained and society is beyond the point of no return. We must learn from the follies and scandals that Grandjean reveals and stop the chemical brain drain before it is too late."* The illogicality of reasoning by some members of the 'Brexit' party demonstrates that the brain function in certain sections of society in the UK is beyond the point of no return.

### **Between May 2010 and the end of 2013, the Department of Health alone had 130 meetings with representatives of industry**

*Documents released under a freedom of information request showed that between the coalition taking power in May 2010 and the end of 2013 the Department of Health alone had 130 meetings with representatives of industry.*<sup>5</sup> The extensive investigation shows *"beyond doubt that commercial interests are currently in control of key decisions about the public's health."*

David Cameron met 26 times with officials of Murdoch's News Corporation in the first 14 months of office, more than twice the number of visits he has had with any other media organization.<sup>6</sup>

### **The real reason for childhood obesity; obesity starts in childhood carries on into adulthood**

Department of Health's School Fruit and Vegetable Scheme (SFVS) has residues of 123 different pesticides analysed by PAN-UK: DOH said 'pesticides are not the concern of the DOH'

Pesticide Action Network UK's analysis of the last 12 years of residue data published by the Expert Committee on Pesticide Residues in Food (PRiF) shows that there are unacceptable levels of pesticides present in the food provided through the Department of Health's School Fruit and Vegetable Scheme (SFVS).<sup>7</sup> **Residues of 123 different pesticides were found**, some of which are linked to serious health problems such as cancer and disruption of the hormone system.

In many cases, multiple residues were found on the produce. This is another area of serious concern as the scientific community has little understanding about the complex interaction of different chemicals in what is termed the 'cocktail' effect. We have also found that the levels of residues contained on SFVS produce are higher than those in produce tested under the national residue testing scheme (mainstream produce found on supermarket shelves). When PAN-UK sent its 2017 findings to the Department of Health, it was told that **pesticides are not the concern of the DoH.**

### **The gut microbiome; the collective genome of organisms inhabiting our body. Obesity is associated with low bacterial richness in the gut.**

<sup>5</sup> [jgornall@mac.com](mailto:jgornall@mac.com) BMJ 2014; 348: f7646

<sup>6</sup> <http://www.independent.co.uk/news/uk/politics/revealed-camerons-26-meetings-in-15-months-with-murdoch-chiefs-2314550.html>

<sup>7</sup> <http://www.pan-uk.org/food-for-thought/>

### **We can only absorb nutrients via trillions of bacteria in our gut, the gut microbiome**

This is the term for the collective genome of organisms inhabiting our bodies. Glyphosate disrupts the shikimate pathway within these gut bacteria, without which we cannot survive. Glyphosate is a strong chelator of essential minerals, such as cobalt, zinc, manganese, calcium, molybdenum and sulphate. In addition, it kills off beneficial gut bacteria and allows toxic bacteria such as *Clostridium difficile* to flourish. Two key problems caused by glyphosate residues in our diet are nutritional deficiencies, especially minerals and essential amino-acids, and systemic toxicity.<sup>8</sup>

### **Richness of human gut microbiome correlates with metabolic markers: we are facing a global metabolic health crisis provoked by an obesity epidemic**

Chatelier, E.L. *et al.* Richness of human gut microbiome correlates with metabolic markers *Nature* 29 August 2013; 500: 541-550.<sup>9</sup>

*“We are facing a global metabolic health crisis provoked by an obesity epidemic.”* In a multi-author study of obese and non-obese individuals, those with *“low bacterial richness in the gut (23% of the population) are characterized by more marked overall adiposity, insulin resistance and dyslipidaemia and a more pronounced inflammatory phenotype when compared with those with high bacterial richness. Low richness of gut microbiota has been reported in patients with inflammatory bowel disorder. Also, notable diversity differences were observed between the urban US population and rural populations from two developing countries.”*

### **The microbiome of uncontacted Amerindians has the highest diversity of bacteria<sup>10</sup>**

*“We characterize the fecal, oral, and skin bacterial microbiome and resistome of members of an isolated Yanomami Amerindian village with no documented previous contact with Western people. These Yanomami harbor a microbiome with the highest diversity of bacteria and genetic functions ever reported in a human group.”*

### **Many young children become obese when they go to school because they are being poisoned by the Department of Health’s School Fruit and Vegetable Scheme (SFVS)**

Thousands of UK children, mainly in deprived city areas, are already classed as severely obese when they leave primary school.<sup>11</sup> The UK is the most obese country in western Europe, according to the Organisation for Economic Co-operation and Development.<sup>12</sup> Its annual [Health at a Glance report](#), published on Friday, shows that 26.9% of the UK population had a body mass index of 30 and above, the official definition of obesity, in 2015. Only five of the OECD’s 35 member-states had higher levels of obesity, with four outside Europe and one in eastern Europe. The OECD’s report, which says obesity in the UK has increased by 92% since the 1990s, illustrates the scale of the public health challenge, [with fears it could bankrupt the NHS](#)

We read an article in the *Guardian* in August 2018 about the weedkiller Roundup being found in US oat-based cereals marketed for young children. But the *Guardian* said *“There was no indication that the claims related to products sold outside the US.”* In view of the reassurance by the *Guardian*, we bought four oat-based cereals from our local Co-op in South Wales and sent samples of them to the Health Research Institute in Fairfield, Iowa. [In October, we had some alarming results.](#) Dr John Fagan wrote that they were *“shockingly high levels”*. He said, *“to think they are being given to children.”*

<sup>8</sup> <https://www.mdpi.com/1099-4300/15/4/1416>

<sup>9</sup> <http://www.nature.com/nature/journal/v500/n7464/abs/nature12506.html>

<sup>10</sup> <http://advances.sciencemag.org/content/1/3/e1500183.short>

<sup>11</sup> <https://www.childinthecity.org/2018/06/07/uk-child-obesity-worst-in-poorest-cities/?gdp=accept>

<sup>12</sup> <https://www.theguardian.com/society/2017/nov/10/uk-most-obese-country-in-western-europe-oecd-report-finds>

Type of breakfast cereal marketed for children Product description	Glyphosate level ng/g	AMPA ng/g	Effective glyphosate level ng/g
Kelloggs No added sugar granola with Apricot & pumpkin seeds	499.90	ND	499.90
Quaker/Oat So simple/Original Microwaveable Oats	464.23	24.04	500.28
Weetibix Oatibix 100% wholegrain oats	318.85	16.96	344.28
Nestle Multigrain Cheerios Whole Grain Oat Flour 29.6% Whole Grain Wheat 29.6% Whole Grain Barley Flour 17.9% Whole Grain Corn Flour 2.1% Whole Grain Rice Flour 2.1%.	137.29	ND	137.29

The *Daily Mail* published the figures but the *Guardian* didn't. <sup>13</sup>

### Britain and America are in the midst of a barely reported public health crisis.<sup>14</sup>

*They are experiencing not merely a [slowdown in life expectancy](#), which in many other rich countries is [continuing to lengthen](#), but the start of an alarming increase in death rates across all our populations, men and women alike. We are needlessly allowing our people to die early. In Britain, life expectancy, which increased steadily for a century, slowed dramatically between 2010 and 2016. And the trends are deteriorating. Public Health England has published a [hair-raising map](#) of the English health experience from 2014 to 2016. The East and West Midlands, Yorkshire and Humberside, the north-west and north-east experienced declines in life expectancy. Nobody should have been surprised they voted against the status quo in the Brexit referendum."*

### Warnings by the former Chief Medical Officer, Dame Sally Davies at the Department of Health

Women are being warned to cut back on sweet treats or risk [cancer](#). The UK's chief medical officer (CMO) said females are consuming "two biscuits too much each day" and should [lose weight](#). Professor Dame Sally Davies revealed [obesity](#) will surpass smoking as the leading cause of cancer in women by 2043. Last year, official figures revealed 30 per cent of women in the UK are overweight and 27 per cent are obese. Obesity levels across all genders have risen from 15 per cent to 26 per cent since 1993.<sup>15</sup>

### Cases of Type 2 diabetes among young people rise 41% in three years<sup>16</sup>

Leap brings calls for ministers to act to prevent so many children getting grossly obese

Type 2 diabetes is closely associated with being very overweight. Almost four in five (79%) of the 715 children suffering from it were also obese, the NHS data revealed. "Type 2 diabetes is a disaster for the child and their family and for the NHS," said Graham MacGregor, a professor of cardiovascular health at Queen Mary University of London who is also the chair of the campaign group [Action on Sugar](#). "If a child gets type 2 diabetes, it's condemning them to a lot of complications of that condition, such as blindness, amputations and kidney disease," he said. "These figures are a sign that we are in a crisis and that the government doesn't seem to be taking action, or not enough and not

<sup>13</sup> <https://www.dailymail.co.uk/health/article-6315209/Revealed-UK-cereals-contain-potentially-harmful-amounts-WEEDKILLER.html>

<sup>14</sup> <https://www.theguardian.com/commentisfree/2018/aug/19/bad-news-is-were-dying-earlier-in-britain-down-to-shit-life-syndrome>

<sup>15</sup> <https://www.msn.com/en-gb/health/familyhealth/women-told-by-uks-top-doctor-to-eat-two-fewer-biscuits-a-day-or-risk-cancer/ar-AAEYMY8>

<sup>16</sup> <https://www.theguardian.com/society/2018/aug/18/cases-of-type-2-diabetes-among-young-people-rise-41-in-three-years>

quickly enough. The UK obesity levels now exceed those of the US. Children in Wales have been as obese as those in the US since 2014.<sup>17</sup>

**I am one of the many British women in 2014-16 who are spending nearly 20 years of their life in poor health (19.3 years) while men spend just over 16 years in poor health**

Spanish women live the longest, with UK longevity ranked 17th out of 28 EU nations, according to Public Health England's annual health profile

*"There is no reason why we shouldn't be as healthy as anywhere in Europe," said Prof John Newton, director of health improvement at PHE.<sup>18</sup> "Many of the causes of chronic, long-term diseases in the UK which shorten lives are preventable. **Obesity** is causing a big surge in the numbers of people developing type 2 diabetes. The report shows the numbers with diabetes are expected to rise swiftly, from just under four million last year to nearly five million in 2035. Along with alcohol, obesity is also one of the factors behind the rise in breast cancer. Apart from the human cost, the bill for the NHS will be huge... The list of the most common site-specific cancers remained unchanged from 2015 in both sexes. Lung cancer, colorectal and anal cancer, and leukaemia and lymphomas were all in the top ten leading causes of death in 2016... Prostate cancer and breast cancer remained amongst the top ten leading causes of death for males and females respectively, both ranked seventh, the same as in 2015. Lung cancer deaths remained the third most common cause of death for males and sixth most common for females in 2016. There has also been an increase in the death rate from lung cancer (8%), kidney disease and other diseases of the urinary system (38%) and chronic lower respiratory disease (18%). When deaths from all cancers are grouped together, cancer accounted for 25.6% of all deaths in females and 30.3% of all deaths in males in 2016. This would make it the leading cause, in 2016, for both sexes. The leading cause of death for women is dementia and Alzheimer's disease, responsible for 15.8% of deaths, with heart disease second at 8.3%. There has been an increase in the death rate from dementia and Alzheimer's of more than 60% and deaths from liver disease have increased by 12%.*

**Each year there are steady increases in the numbers of new cancers in the UK and increases in deaths from the same cancers, with no treatments making any difference to the numbers.**

In the UK there were 13,605 new cases of Non-Hodgkin Lymphoma in 2015 (and 4,920 deaths in 2016)<sup>19</sup>: there were 41,804 new cases of bowel cancer in 2015 (and 16,384 deaths in 2016); 12,547 new cases of kidney cancer in 2015 (and 4,619 deaths in 2016); 5,736 new cases of liver cancer in 2015 (5,417 deaths in 2016); 15,906 new cases of melanoma in 2015 (2,285 deaths in 2016); 3,528 new cases of thyroid cancer in 2015 (382 deaths in 2016); 10,171 new cases of bladder cancer in 2015 (5,383 deaths in 2016); 8,984 new cases of uterine cancer in 2015 (2,360 deaths in 2016); 7,270 cases of ovarian cancer in 2015 (4,227 deaths in 2016); 9,900 new cases of leukaemia in 2015 (4,712 deaths in 2016); 55,122 new cases of invasive breast cancer in 2015 (11,563 deaths in 2016); 47,151 new cases of prostate cancer in 2015 (11,631 deaths in 2016); 9,211 new cases of oesophageal cancer in 2015 (8,004 deaths in 2016); and 5,540 new cases of myeloma in 2015 (3,079 deaths in 2016); 2,288 new cases of testicular cancer in 2015 (57 deaths in 2016); 9,921 new cases of pancreatic cancer in 2015 (9,263 deaths in 2016); 11,432 new cases of brain cancer in 2015 (5,250 deaths in 2016); 46,388 new cases of lung cancer in 2015 (and 35,620 deaths in 2016). In the US in 2014 there were 24,050 new cases of myeloma.

<sup>17</sup> <http://www.wales.nhs.uk/sitesplus/888/news/33512>

<sup>18</sup> <https://www.gov.uk/government/publications/health-profile-for-england-2018/chapter-2-trends-in-mortality>

<sup>19</sup> <https://www.cancerresearchuk.org/health-professional/cancer-statistics/statistics-by-cancer-type/non-hodgkin-lymphoma>

**The Francis Crick Institute with its ‘world class resources’ is failing to improve people’s lives with its treatments, but is definitely strengthening the economy of the pesticides industry and the pharmaceutical industry**

Report: “The Francis Crick Institute is a biomedical discovery institute dedicated to understanding the fundamental biology underlying health and disease. Its work is helping to understand why disease develops and to translate discoveries into new ways to prevent, diagnose and treat illnesses such as cancer, heart disease, stroke, infections, and neurodegenerative diseases.”<sup>20</sup>

An independent organisation, its founding partners are the Medical Research Council (MRC), **Cancer Research UK**, Wellcome, UCL (University College London), Imperial College London and King's College London. The Crick was formed in 2015, and in 2016 it moved into a brand-new state-of-the-art building in central London which brings together 1500 scientists and support staff working collaboratively across disciplines, making it the biggest biomedical research facility under a single roof in Europe. The Francis Crick Institute will be world-class with a strong national role. Its distinctive vision for excellence includes commitments to collaboration; to developing emerging talent and exporting it to the rest of the UK; to public engagement; and to helping turn discoveries into treatments as quickly as possible to improve lives and strengthen the economy.”

**A letter written by the late Marion Copley US EPA toxicologist to her colleague Jess Rowland**<sup>21</sup>

It’s been four years since Marion Copley, a toxicologist who had worked for 30 years for the EPA, wrote this letter to her then-colleague, Jess Rowland, accusing him of conniving with Monsanto to bury the agency’s own hard scientific evidence that it is “*essentially certain*” that glyphosate, the key ingredient in Monsanto’s Roundup weed killer, causes cancer. The date of the letter comes after Copley left the EPA in 2012 and shortly before she died from breast cancer at the age of 66 in January 2014. She accuses Rowland of having “*intimidated staff*” to change reports to favor industry, and writes that research on glyphosate, the key ingredient in Monsanto’s Roundup, shows the pesticide should be categorized as a “*probable human carcinogen.*”

"Jess,

*Since I left the agency with cancer [breast] I have studied the tumor process extensively and I have some mechanism comments which may be very valuable to CARC based on my decades of pathology experience. Glyphosate was originally designed as a chelating agent and I strongly believe that is the identical process involved in tumor formation."*

In a 1-page letter Dr Copley makes 14 observations about chelators and/or glyphosate, including that they are endocrine disruptors, suppress the immune system, damage the kidneys or pancreas which can lead to clinical chemistry changes that favor tumor growth; glyphosate kills bacteria in the gut, the gastrointestinal system is 80% of the immune system making the body susceptible to tumors.

She goes on to say: "***It is essentially certain that glyphosate causes cancer.***"

Dr Copley ends with the statement: "*I have cancer, and I don't want these serious issues in HED [EPA's Health Effects Division] to go unaddressed before I go to my grave. I have done my duty.*"

Marion Copley  
March 4, 2013"

**Experts find citrus and marine diseases caused by glyphosate**<sup>22</sup>

Glyphosate-based herbicides are most widely used worldwide December 15, 2019

<sup>20</sup> <https://www.crick.ac.uk/about-us/>

<sup>21</sup> <https://www.organicconsumers.org/sites/default/files/marioncopleyletter.pdf>

<sup>22</sup> <https://www.capec Gazette.com/article/experts-find-citrus-and-marine-diseases-caused-glyphosate/194149>



Farming experts Dr. Don Huber and Frank Dean have released a farmer educational video that covers the many ways in which glyphosate impacts crops, soil, waterways, marine life and human health.

The training specifically focuses on citrus diseases and marine die-off in Florida. A particularly controversial assertion is that glyphosate contributes to citrus greening and several crop diseases which are a serious threat to the citrus industry and the economy of Florida. Glyphosate-based herbicides are the most widely used herbicides in the world. In the video, Dean said, "*Glyphosate is a biocide. It kills everything.*" He also explains how glyphosate contributes to citrus greening. In summary, Dean said, "*Glyphosate blocks disease resistance.*" Prof Don Huber's work on glyphosate confirms this. The consistent association between previous glyphosate use and *Fusarium* infections in crops also warrants further research to elucidate the nature of this association and the underlying mechanisms determining these effects.<sup>23</sup> ***In non-sterile field soil, the plants treated with glyphosate succumb to heavy pathogen attack because their defenses are compromised. This is the herbicidal mode of action!***

Environmental Working Group has reported that in South Florida over 3.5 million tons of glyphosate herbicides were used per square mile between 2000-12. The cancer rates for children in South Florida are 36 percent higher than other parts of the state. Huber states about glyphosate herbicides, "*This product must be removed from the market.*"

In addition to the training video, Dean covers alarming glyphosate test results in water from 10 locations throughout Florida, including farm run-off, in an online report. Glyphosate test results ranged AMPA from 0.04 to 59.69 ng/ml and glyphosate ranged from 0.75 to 128.61 ng/ml. The highest levels of glyphosate were in the farm run-off water, showing the farms as a contributing source of glyphosate contamination in the water supply.

The citrus farm glyphosate run-off levels were 1,200 times higher than allowed in European drinking water. These samples were collected from farm ponds for peppers, cucumbers, and strawberries. The levels are much higher than those that have been recorded to cause sex hormone changes and cell damage in fish and other animals - .1 ppb. Glyphosate is also widely used in citrus groves as a weed killer in sugar fields as a drying agent in Florida, a major source of income for the Florida economy.

#### **Sustaining Life: How human health depends on biodiversity<sup>24</sup>**

Monsanto and Bayer are criminals: they have deceived HSE, Defra, Public Health England, 'top doctors', the Department of Health and Social Security and the British Media.

Most farmers in the National Farmers Union (NFU) spray Roundup and multiple other pesticides on our food. The British Wildlife could face extinction due to poisoning the land with pesticides.<sup>25</sup> The probability that the population in Britain will increasingly suffer from the diseases associated with glyphosate-based herbicides and with the 400-odd pesticides that contaminate our food. The deleterious effects of glyphosate on trees and crops will also continue because it is in the soil, water, air and rainfall.

Rosemary Mason

19 December 2019

<sup>23</sup> <https://www.sciencedirect.com/science/article/abs/pii/S1161030109000689>

<sup>24</sup> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2702436/>

<sup>25</sup> <https://www.channel4.com/news/the-british-wildlife-that-could-face-extinction>