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To: NBT Consult Submissions <NBTConsultSubmissions@foodstandards.gov.au>

Subject: labelling of GM food products

The glyphosate destruction of growing vegetation is via the Shikimate pathway of plants. Monsanto stated in the original patent application that this pathway did not exist in mammals, as was believed at the time. It does exist in mammals, via the gut microbes of the human biome, also in the microbiome of soil.

Increasing numbers of research papers in open source peer reviewed journals of toxicology have suggested that the major component of GM farming at the moment, glyphosate, is damaging to health. Roundup appears to be more toxic in its formulations. Some diseases in the USA have increased in lock step with increasing quantities of glyphosate used. (no labelling—no epidemiology) In Australia the glyphosate content in our food is rising, as FSANZ agrees to Monsanto requests for higher permitted content in our food. Most authorities have accepted Monsanto assurance that their research has found no risk to health, in the face of increasing evidence otherwise. Freedom of Information in USA has recently forced Monsanto to reveal sealed documents which have exposed damning facts about toxicological dangers of Roundup and its various formulations, which are in line with research which demonstrates the danger to our health. Unfortunately it is not just GM foods which contain glyphosate, but all the other crops which have been treated with glyphosate, or grown in soil previously sprayed with it. So yes, GM food should be labelled. And yes, the public should be made aware of glyphosate content of all food. The sealed Monsanto documents have revealed how Monsanto deceived US environmental and health authorities, and, presumably, FSANZ.

Monsanto is currently being sued by a large number of people who have contracted non Hodgkins lymphoma.

The recently published paper, Glyphosate pathways to modern diseases V: Amino acid analogue of glycine in diverse proteins---- posits that glyphosate acts as a glycine analogue and may be mistakenly incorporated into peptides during protein synthesis, causing a large array of diseases.

Journal of Biological Physics and Chemistry vol 16 (June) 9—46 June 2016 DOI: 10.4024/03SA 16A.jbpc.16.01

Monsanto has spent millions of dollars to fight against GM labelling of food in USA, and may well continue that campaign in Australia.

Increasing numbers of countries are banning food containing glyphosate, the latest being Japan which has banned Canadian wheat to make udon noodles.

FSANZ is surely aware of the publication, "Complete Genes May Pass from Food to Human Blood"

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0069805>

ABSTRACT

Our bloodstream is considered to be an environment well separated from the outside world and the digestive tract. According to the standard paradigm large macromolecules consumed with food cannot pass directly to the circulatory system. During digestion proteins and DNA are thought to be degraded into small constituents, amino acids and nucleic acids, then absorbed by a complex active process and distributed to various parts of the body through the circulation system. Here, based on the analysis of over 1000 human samples from four independent studies, we report evidence that meal- derived DNA fragments which are large enough to carry complete genes can avoid degradation and through an unknown mechanism enter the human circulation system. In one of the blood samples the relative concentration of plant DNA is higher than the human DNA. The plant DNA concentration shows a surprisingly precise log-normal distribution in the plasma samples while non-plasma [cord blood] control sample was found to be free of plant DNA>

What more information does FSANZ need to protect us.

All GM food should be labelled.

But a better plan of action would be to study more in depth research before even considering exposure of the Australian population to modern constructs in their diet, and possibly ever increasing health costs.

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