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From: [REDACTED]
Sent: Sunday, 13 December 2020 8:45 AM
To: submissions
Subject: Irradiation of fresh fruit and vegetable

Categories: [REDACTED]

Name: [REDACTED]
[REDACTED]
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Why are you so intent on harming the Australian population?

'Radiation can do strange things to food, by creating substances called “unique radiolytic products.” These irradiation byproducts include a variety of mutagens – substances that can cause gene mutations, polyploidy (an abnormal condition in which cells contain more than two sets of chromosomes), chromosome aberrations (often associated with cancerous cells) and dominant lethal mutations (a change in a cell that prevents it from reproducing) in human cells. Making matters worse, many mutagens are also carcinogens.

Research also shows that irradiation forms volatile toxic chemicals such as benzene and toluene, chemicals known, or suspected, to cause cancer and birth defects. Irradiation also causes stunted growth in lab animals fed irradiated foods. An important 2001 study linked colon tumor promotion in lab rats to 2-alkylcyclobutanones (2-ACB's), a new chemical compound found only in irradiated foods. The FDA has never tested the safety of these byproducts. Irradiation has also been shown to cause the low-level production of furans (similar to cancer-causing dioxins) in fruit juice.'

Centre for Food Safety

In 2003, concerns over the safety of irradiated food led the European Union Irradiation to rule out further irradiation approvals. The Australian Senate followed suit with a call for approvals to be halted until further research has been conducted. Claims that irradiated foods are safe are indefensible as no research on long term consumption of an irradiated diet have been conducted.

Irradiation has been shown to deplete vitamin C, vitamin A, proteins, essential fatty acids and other nutrients in food and has been linked to health problems such as nutritional deficiencies, immune system disorders, abnormal lymph cells, and genetic damage.

In 2008-9, irradiation was responsible for neurological disorders leading to paralysis and in some cases, death, of up to one hundred Australian pet cats. Irradiated cat food is now

banned in Australia. The European Food Safety Authority acknowledges that the risk to humans cannot be ruled out.