Proposed Specific Regulatory Level Chemical Causing Cancer: Glyphosate

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From:	Judy Frankel
To:	P65Public Comments
Subject:	Glyphosate NSRL
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Comment against the proposed "acceptable dose" of glyphosate.

I vehemently oppose the haphazard and arbitrary way you're setting a limit for the amount of glyphosate allowed in our food supply. How are consumers supposed to know how much glyphosate they are really ingesting? There's really no way to monitor it. First, you'd have to measure each and every sample of food, then you'd have to figure out how much of that food is eaten by each individual.

The problem is that glyphosate isn't safe at any level. It's an endocrine disruptor and so it doesn't take much to cause health problems. It's been registered as an antibiotic, and as such, it wrecks havoc on the gut microbiome. It's a chelator, so it grabs onto (just one example) manganese and therefore makes this essential nutrient unable to remove toxins from the gut.

Glyphosate works by disrupting the Shikimate pathway in bacteria. These important bacteria make aromatic amino acids not only in plants, but also in our digestive tract. They are essential to making neurotransmitters such as dopamine, seratonin, and melatonin, thyroid hormone, and folate. Glyphosate disrupts our ability to manufacture these important substances for normal brain function.

Glyphosate disrupts sulfate synthesis and sulfate transport, both which are identified in autism.

Glyphosate doesn't just rid the body of necessary bacteria; it also interferes with the cyp-enzymes.

P-creosol is a product of an overgrowth of a pathogen known to increase in the gut caused by glyphosate.

Mitochondrial disorder and glutamate toxicity are problems caused when glyphosate chelates manganese. Glutamate, as you may know, is part of MSG (MonoSodium Glutamate) and is found in most processed foods (it turns off the part of the brain that says "I'm no longer hungry" and causes that "never get enough" feeling, which food manufacturers know and capitalize upon). The combination of glyphosate with glutamate is highly toxic to the brain, and may be a major factor in the steady rise of Alzheimer's.

These are just some of the problems with glyphosate. I haven't even touched upon the health problems that are caused when glyphosate mimics glycine and replaces it in the chain of amino acids as proteins are built. In other words, glyphosate is inserting itself into our protein molecules. And a protein that has glyphosate instead of glycine will not work as it was intended!

The complexity of this toxic chemical should not confound the regulator. It should make it clear that without the proper attention to detail of the effects of this chemical, there should be no glyphosate in our food supply.

I urge the OEHHA to safeguard the public and ban the use of glyphosate altogether.

Sincerely,
Judy Frankel

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