



# POINTS TO CONSIDER

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A series designed to correct  
mischaracterizations in selected  
publications regarding crops and foods  
improved through biotechnology

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## INACCURATE CLAIMS MADE:

Glyphosate (Roundup) tolerant corn (maize) causes cancerous tumors in rats that consume it.

Glyphosate itself causes cancerous tumors in rats that consume it.

Source: [Republished Study: Long-term Toxicity of a Roundup Herbicide and a Roundup-tolerant Genetically Modified Maize](#) by Gilles-Eric Séralini, et. al., June 24, 2014, Environmental Science Europe

## REBUTTAL

**FACT: THIS RE-PUBLICATION PRESENTS NO NEW DATA, NO NEW STATISTICAL ANALYSIS, AND NO NEW DEFENSES OF THE CLAIMS THE GLOBAL SCIENTIFIC COMMUNITY FOUND UNSUPPORTABLE IN THE ORIGINAL PAPER**

- The explanation offered by the publisher to justify the retraction is weak and illogical.
- The methodological and analytical flaws extensively noted on first publication provide more than enough grounds to withdraw the original paper.
- This re-publication presents no new data, no new statistical analysis, and no new defenses of the claims the global scientific community found unsupportable in the original paper, and does nothing to correct or justify those numerous fatal flaws.
- If Séralini at al. were not seeking to study carcinogenesis and carcinogenicity, they should not have used a rat strain designed specifically for that purpose, and widely known to be unsuitable for other studies.
- This paper does present new arguments that the original critiques were driven by conflicts of interest and other base motives, but neither data nor concrete evidence are presented to support these assertions.

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