

Podcast: Non-GMO Project loves ‘GMO’ watermelon; Glyphosate in breastmilk; Junk nutrition studies

The Non-GMO Project recently endorsed seedless watermelon on Twitter, thereby giving an accidental thumbs up to many other genetically engineered crops. Traces of glyphosate have again been found in breastmilk. Should mothers worry about the risk to their children? Misleading nutrition studies routinely hit the headlines, and a new review has zeroed in on the source of many of these dubious results.

Join geneticist Kevin Folta and GLP contributor Cameron English on episode 183 of Science Facts and Fallacies as they break down these latest news stories:

- [**Viewpoint: Non-GMO Project promotes genetically-modified seedless watermelon**](#)

This summer, the Non-GMO Project endorsed seedless watermelon as a “GMO-free” food. The problem? Seedless watermelon absolutely *is* genetically modified. By exposing young watermelon plants to a chemical called colchicine, scientists create mutant organisms with two sets of chromosomes. These crops still produce fruit, but they’re sterile and mostly seedless—the delicious summer treat we enjoy at July 4th barbecues. What does this situation tell us about the “GMO” debate?

- [**Glyphosate traces in breast milk? Weedkiller causes neurological disorders? How activists leverage social media to distort science and spread bogus health concerns**](#)

A recent study found that women in rural Brazil had detectable levels of the weedkiller glyphosate in their breastmilk. The researchers qualified their results, acknowledging that they did not identify a health risk. Nevertheless, anti-pesticide groups amplified the paper on Twitter to bolster their ongoing campaign against glyphosate. The lesson, as always, is that we have to be skeptical consumers of information; taking news stories and social media posts at face value is a risky business.

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- [**Dubious findings about food from the ‘Nutrition Researchers Guild’: How can we learn from this unscientific manipulation of statistics?**](#)

We’ve all seen the exaggerated, contradictory headlines: coffee causes cancer, but certain chemicals in coffee prevent cancer; eggs boost heart-disease risk, but they also improve your cholesterol. How do these nonsensical results continue to see the light of day? The problem may be “research guilds” composed of like-minded academics who produce flashy studies with little substance. They generate “false, irreproducible conclusions” that pollute the scientific literature, which make it difficult for public health officials to give Americans sound nutrition advice.

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