



Grace Koch &lt;grace@hh-ra.org&gt;

## New research from HHRA and beyond, lessons from an organic leader, and the Dietary Risk Index

2 messages

Heartland Health Research Alliance <info@hh-ra.org>  
Reply-To: info@hh-ra.org  
To: Grace Koch <grace@hh-ra.org>

Mon, Feb 27, 2023 at 9:41 AM

"We must meet the moment! Resilience is the big word for the future and we must embrace it. Organic is resilient and the foundation for Climate Smart and Health Smart Agriculture."

-Organic Pioneer George Siemon on Heartland Stories Radio Episode 104

### CONTINUED PROGRESS FOR THE HEARTLAND STUDY

Our incredible research team is happy to report the Heartland Study has now enrolled over 400 mother-infant pairs! Our new research sites in Wisconsin and Iowa plan to begin enrolling in early 2023. We are on track to reach the Heartland Study's initial goal of enrolling 2,000 MIPs into the Phase 1 protocol by 2025.

*Learn about The Heartland Study [here](#).*

### HEARTLAND STORIES RADIO : GEORGE SIEMON

Organic farming pioneer, George Siemon, talks with Heartland Stories Radio about his years as the CEO of Organic Valley Cooperative. George recently received the 2022 Honorary Recognition Award from the University of Wisconsin-Madison College of Agricultural and Life Sciences for his work proving that organic CAN feed the world. Congratulations George!

*Listen to the episode [here](#).*

### FROM OUR RESEARCH ALLIANCE AND BEYOND

#### HHRA ATTENDS APHA CONFERENCE IN BOSTON

We had an amazing time presenting at the annual American Public Health Association Conference in November! HHRA brought together 4 toxicology and epidemiology researchers to highlight issues around herbicide exposures and birth outcomes. We were one of the only sessions to address agricultural issues at the largest public health conference in North America. Read more [here](#)!

#### NEW DIETARY RISK INDEX

We are excited to announce the release of the new and improved Dietary Risk Index system! The DRI can now be accessed and is available to all users on HHRA's website at [hh-ra.org](https://hh-ra.org). The DRI is designed for consumers, regulators and researchers who want to explore residues and risk levels in the global food supply. Read our new open-access paper "[Tracking pesticide residues and risk levels in individual samples—insights and applications](#)," published in December 2022.

### NEW RESEARCH: GENOTOXICITY AND GLYPHOSATE

Read our recently published paper by Charles Benbrook, HHRA's Executive Director, Robin Mesnage, and William Sawyer. "[Genotoxicity Assays Published Since 2016 Shed New Light on the Oncogenic Potential of Glyphosate-Based Herbicides](#)" was published in the journal *Agrochemicals* on January 16, 2023. The team found positive associations in 84 out of 92 genotoxicity assays published since 2016, concluding that there is "clear and compelling evidence that both glyphosate and formulated glyphosate-based herbicides are genotoxic."

Read more about oxidative stress [here](#).

### RECOMMENDED READING

#### GENOTOXICITY IN THE HEADLINES

On January 11, 2023 a team of NIH and CDC scientists published an important paper entitled "[Glyphosate Exposure and Urinary Oxidative Stress Biomarkers in the Agricultural Health Study](#)." This significant new science solidifies the link between applicator exposures to glyphosate based herbicides, elevated oxidative stress, and cancer. The new findings in humans adds weight to many other studies linking GBHs to oxidative stress and damage to DNA.

Read The Guardian article [here](#).

### WE COULDN'T DO IT WITHOUT YOU!

We're working hard to provide scientifically-grounded answers to questions about pesticide exposure and public health. Want to help support our science? A \$100 donation pays for the lab costs to test one urine sample for glyphosate, while \$2,000 covers the cost of enrolling a new mother-infant pair in The Heartland Study.

*Any amount helps, click here to support our work.*

## Sign Up For Our Newsletter

## CONTACT US

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**Heartland Health Research Alliance** <info@hh-ra.org>  
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Mon, Feb 27, 2023 at 9:43 AM

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