



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

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## Heartland Study Update and New 2,4-D Paper

2 messages

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**Heartland Health Research Alliance** <info@hh-ra.org>

Mon, Feb 21, 2022 at 5:10 PM

Reply-To: info@hh-ra.org

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

This February marked the 5th annual National Pesticide Safety Education Month (#NationalPSEMonth). With big ag to government entities to nonprofit advocacy groups all joining the conversation, this is an opportunity for education and engagement on the complex issues surrounding the true costs of pesticide usage.

### HEARTLAND STUDY SAMPLES ON THE MOVE

This month we are sending our first batch of urine samples to be analyzed by the [Centre de toxicologie du Québec](#) analytical laboratory (CTQ). About 90 samples collected from our 2020 and 2021 participants were sent to CTQ to be analyzed using the unique multianalyte test HHRA worked with CTQ to develop. The lab will measure levels of herbicide residues, including glyphosate, glufosinate, 2,4-D, and dicamba. Stay tuned for first-glimpse data from this important research.

Learn more about our CTQ partnership [here](#).

### HEARTLAND STORIES RADIO AND PODCAST: AIMÉE CODE

National Pesticide Safety Education Month isn't just focused on public health, but the health of our ecosystem. Invertebrates such as bees and butterflies have long been subject to harmful pesticides. Hear from Aimée Code, Pesticide Program Director at the Xerces Society for Invertebrate Conservation about conserving our critical critters via ecologically-sound pest management.

Listen to the episode [here](#).

## FROM OUR RESEARCH ALLIANCE AND BEYOND

### ALARMING 2,4-D RESEARCH FINDINGS

In a breaking new study, a research team including two graduate students who receive doctoral support funding from HHRA tracked public and private use of the 2,4-D pesticide from 2001 to 2014. Not only did their findings suggest that human exposures to the popular weed-killer have been rising, but as agricultural use increases, the odds

of exposure are even higher for children and women of childbearing age, who are more susceptible to chemical exposures.

Learn more [here](#).

## THE PROLIFERATION OF PESTICIDES

“Pest management is one of the most important, complex, expensive, and controversial aspects of life on the farm.” With the tenuous appeal of higher profitability and yields via agricultural chemical applications comes superbugs, superweeds, residues in food and water, and impacts on public and environmental health. How did we get into this mess, and is getting off the herbicide treadmill even feasible?

Learn more [here](#).

## RECOMMENDED READING

### **WENDELL BERRY ON CULTURE AND AGRICULTURE**

*The Gift of Good* is a timeless collection of essays first published in 1981, Wendell Berry eloquently and powerfully explores the interdependence of all living things. From 4,500-year-old native agriculture in the Peruvian highlands, to the horse-drawn farming practiced by the Amish, Berry reveals how land reverence and living within limits can create a sustainable system that is good for all. "I've learned more from Berry than anyone else about how best to engage with nature." - Michael Pollan

Read more [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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