

# Study: Honeybees' attraction to fungicide 'unsettling' for food output

By [Emma Batha](#)

15 Jan 2018

Honeybees are attracted to a fungicide used in agriculture with "unsettling implications" for global food production, a scientist said on Tuesday. Tests carried out by a team from the University of Illinois showed bees preferred to collect sugar syrup laced with the fungicide chlorothalonil over sugar syrup alone.



canonfan via [pixabay](#)

The finding follows other studies linking fungicides to a worldwide plunge in honeybee and wild bee populations which are crucial for pollinating crops.

## Bad news for bees

"Bees are kind of like humans in that they sometimes like things that aren't necessarily good for them," said University of Illinois entomology professor May Berenbaum, who led the research.

She said fungicides were bad news for bees because they could exacerbate the toxicity of pesticides and kill off beneficial fungi in hives.

Her team set up two feeding stations in an enclosure allowing the bees to choose sugar syrup laced with a test chemical or without. The chemicals included three fungicides and two herbicides at various concentrations. The researchers were taken aback to find the bees choosing one of the fungicides.

"It was a surprise when they actually liked them," Berenbaum told the Thomson Reuters Foundation by phone, adding that it could explain why fungicide contamination in hives was so common. "This is not anything that anyone had even thought about before so we need to readjust our focus because there certainly could be implications for agriculture..."

However, she said the bees actively avoided a second tested fungicide and were neutral about a third.

## **Bees show a taste for glyphosate**

The scientists said the findings were "worrisome" in light of research showing fungicides interfere with honeybees' ability to metabolise pesticides used by beekeepers to kill parasitic mites that infest their hives.

The scientists were also surprised to find the bees showed a taste for the widely used herbicide glyphosate.

A study by the Center for Biological Diversity last year said hundreds of native bee species in North America and Hawaii were sliding towards extinction. It said bees provided more than \$3bn in fruit-pollination services each year in the United States.

Experts have blamed habitat loss, heavy pesticide use, climate change and increasing urbanisation for declining numbers.

The United Nations recently announced an annual World Bee Day on May 20 to raise awareness of their importance and declining numbers.

*Reporting by Emma Batha; Editing by Ros Russell*

*Thomson Reuters Foundation*

For more, visit: <https://www.bizcommunity.com>