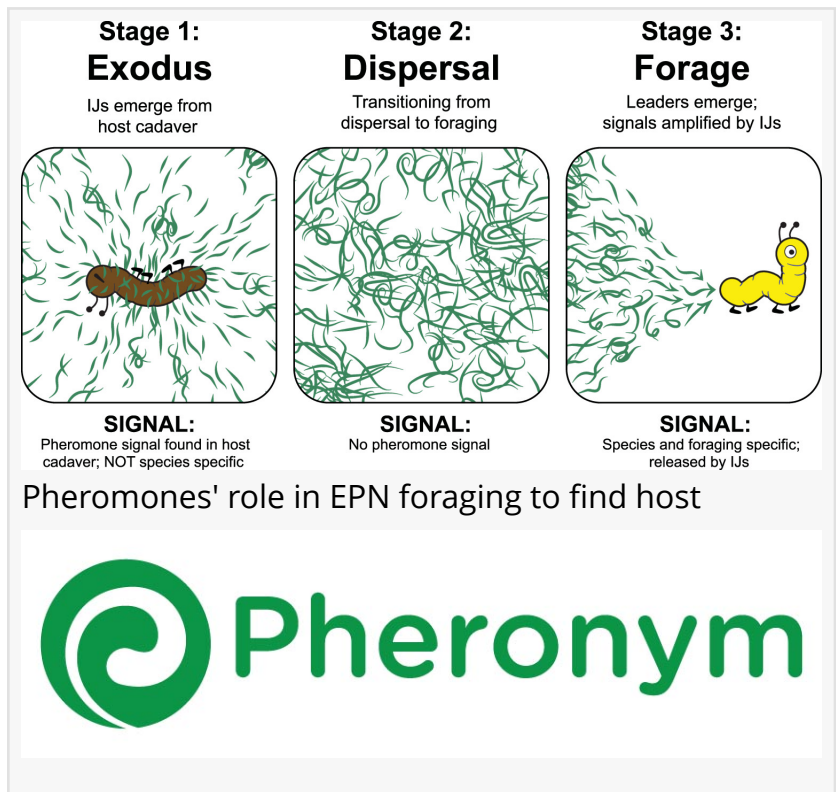


# From Chill to Kill - Pheronym treated Nematodes Aggressively Disperse in Lower Temperatures

*Third Peer-Reviewed Study Shows Company's Bio-remediation Technology Works in Cooler Weather, Expanding the Range for Deploying Nematode-based biocontrol*

DAVIS, CA, UNITED STATES, March 31, 2020 /EINPresswire.com/ -- Pheronym, an ag-biotech pest control company, announced today the results of their third peer-reviewed study demonstrating the efficacy of their patented Nematism™ pheromone extract for bio-remediation of agricultural pests. In a study to be published in Scientific Reports by Springer Nature, Dr. David Shapiro-Ilan with the USDA-ARS, Dr. Ed Lewis, with the University of Idaho, and Dr. Fatma Kaplan, with Pheronym reported that nematodes treated with Pheronym's pheromones still aggressively dispersed in temperatures as low as 15 degrees Celsius, which was superior to untreated nematodes. Most entomopathogenic (insect-killing) nematode species require 20 degrees or above for optimum activity.



The research, led by Dr. Kaplan with Pheronym, Inc., studied pheromones' role in the stimulation of dispersal at temperatures from 15 to 30 degrees Celsius and how this is affected by nematodes' foraging strategy.

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In essence, Pheronym's Nematism takes the Nematodes from chill, to kill.”

*Dr. Fatma Kaplan, CEO of Pheronym*

“Nematodes typically reduce their dispersal or remain motionless in cooler temperatures. Expanding the temperature range downward for deploying beneficial nematodes means farmers can enhance the use of environmentally-friendly pest management solutions and thereby reduce harmful chemical inputs,” said Dr. Fatma Kaplan, CEO of Pheronym. “In essence, Pheronym's

Nematism takes the Nematodes from chill, to kill.”

“Expanding the temperature range for the deployment of beneficial nematodes is a huge win for sustainable agriculture,” said Dr. David Shapiro, USDA-ARS. “It's just one more reason for more aggressive commercial deployment of effective solutions like nematode pheromones.”

The new study can be found here [www.nature.com/articles](http://www.nature.com/articles).

Pheronym's previous two peer-reviewed studies on efficacy and infectivity can be found here, [Pheromone extracts act as boosters for entomopathogenic nematodes efficacy](#) and here, [Conspecific pheromone extracts enhance entomopathogenic infectivity](#).

About Pheronym:

Award-winning Pheronym is an ag-biotech pest management company that enables sustainable farming through its novel platform of nematode pheromones. Based in Merritt Island, Florida and Davis, California, the company uses a new pheromone to control plant-parasitic nematodes (microscopic roundworms) in an eco-friendly way and enhances beneficial nematodes' efficacy to eliminate pest insects. Learn more at <http://www.pheronym.com>.

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This press release can be viewed online at: <http://www.einpresswire.com>

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