

Educational programming empowers beekeepers to effectively manage colony health

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NYS



BEEKEEPER TECH TEAM

1. Improve honey bee health
2. Reduce colony losses
3. Increase profitability and viability of beekeeping businesses



Tech Team Members



Emma Walters
Senior Lead



Paul Cappy
*NY State
Apiculturist*



Scott McArt
*Assistant Professor
of Pollinator Health*

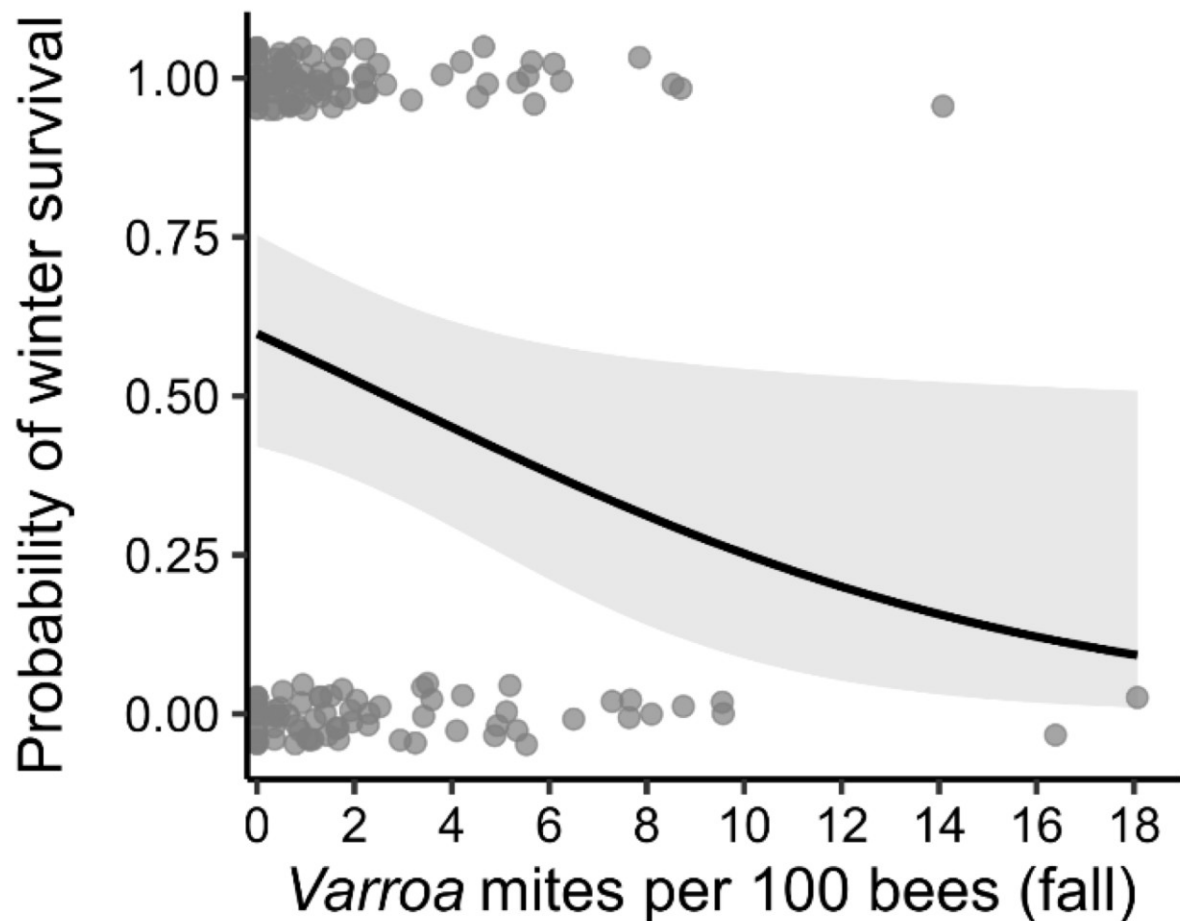
Connor Hinsley
Technician



Travis Grout
*Agricultural
Economist*



***Varroa* is the major predictor of winter loss in New York State**







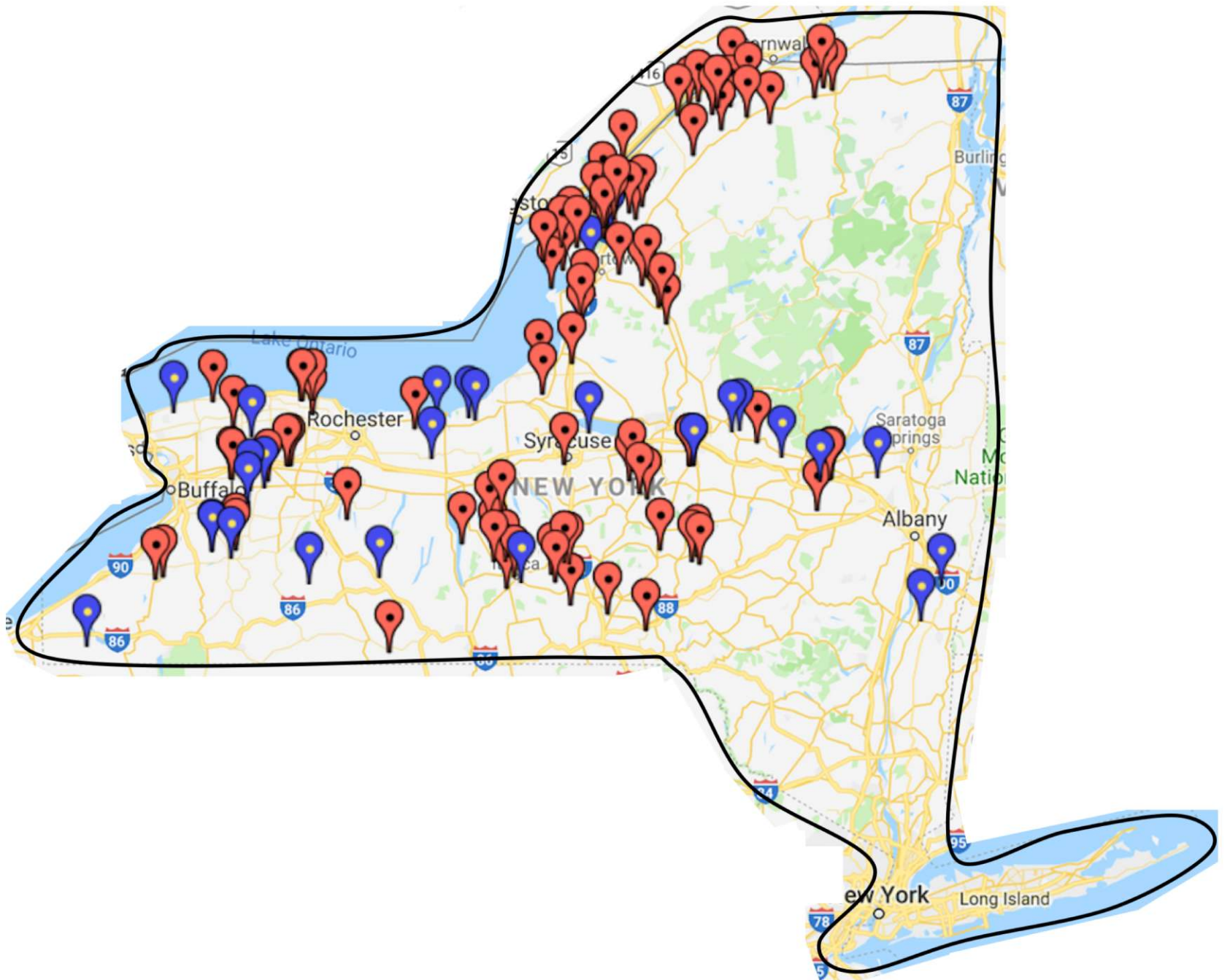
2018 NYS Beekeeper Tech Team Report

NYS
BEEKEEPER
TECH TEAM



Agriculture
and Markets

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After our first field trip...



62% of colonies had high mite levels

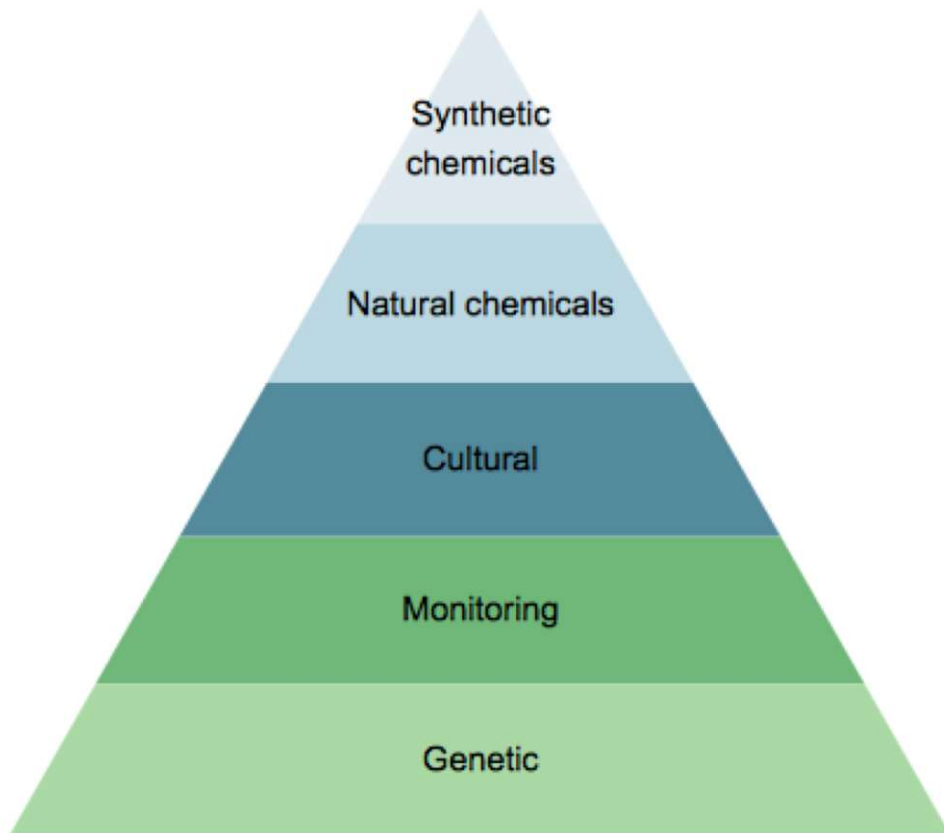


22% of colonies had Parasitic Mite Syndrome (PMS)

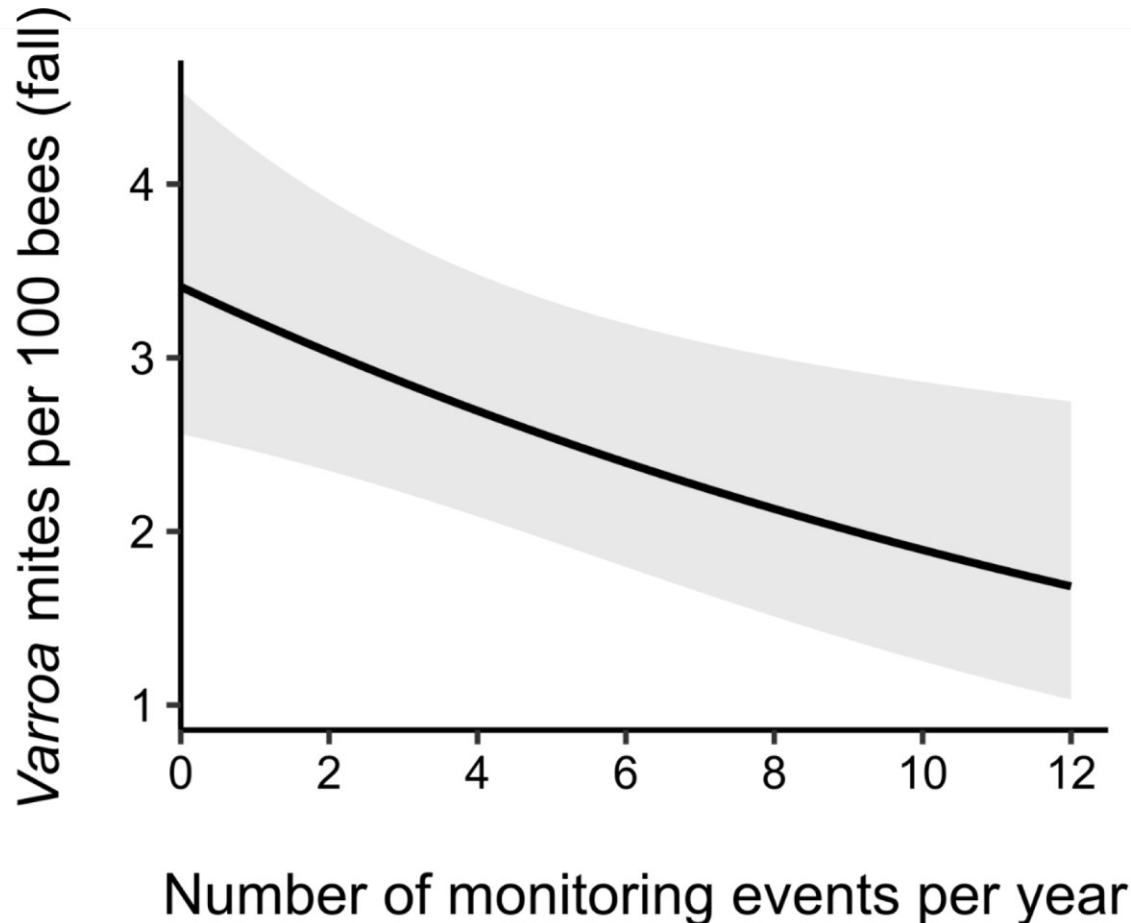


26% of beekeepers monitored
64% of beekeepers treated

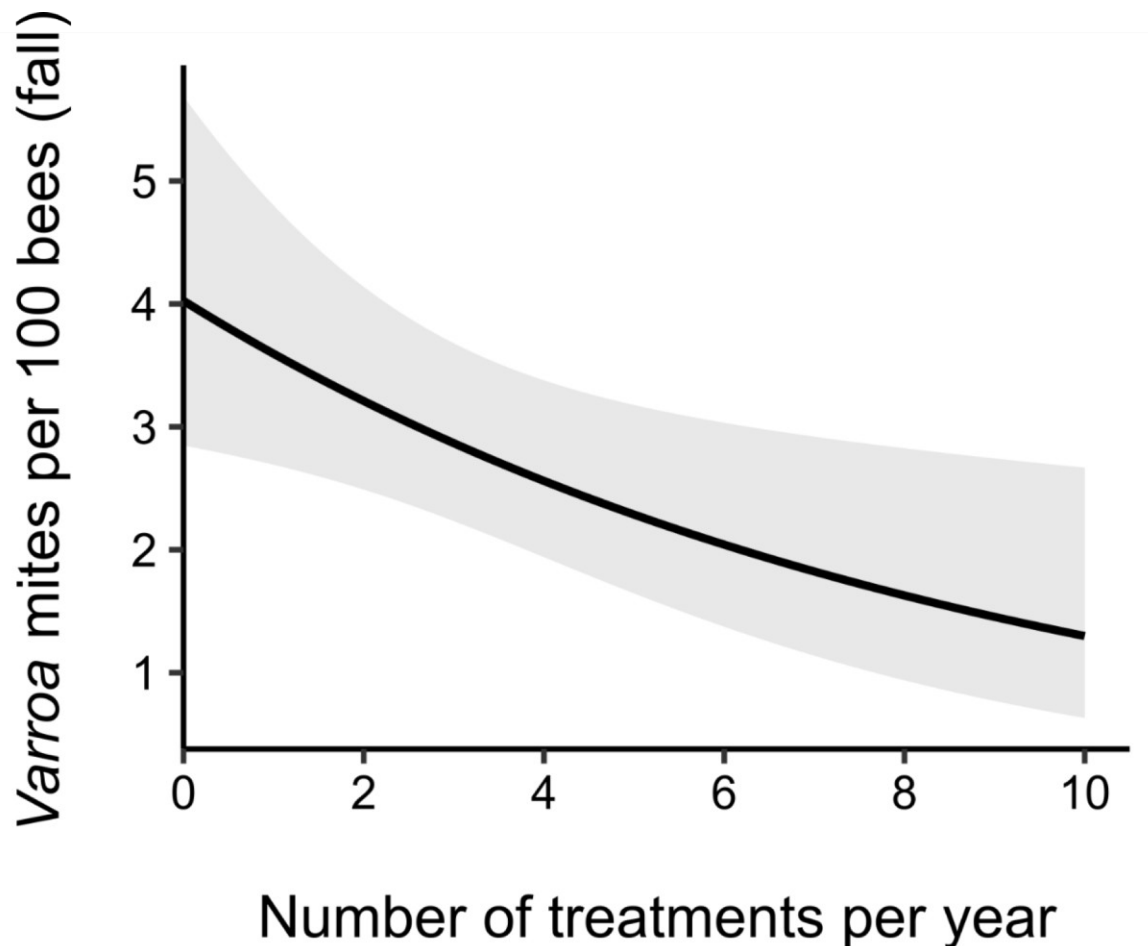
Integrated Pest Management



Regular monitoring predicts lower mite levels in autumn



Treatment frequency predicts mite levels later in the year



More beekeepers applied treatments based on their monitoring results

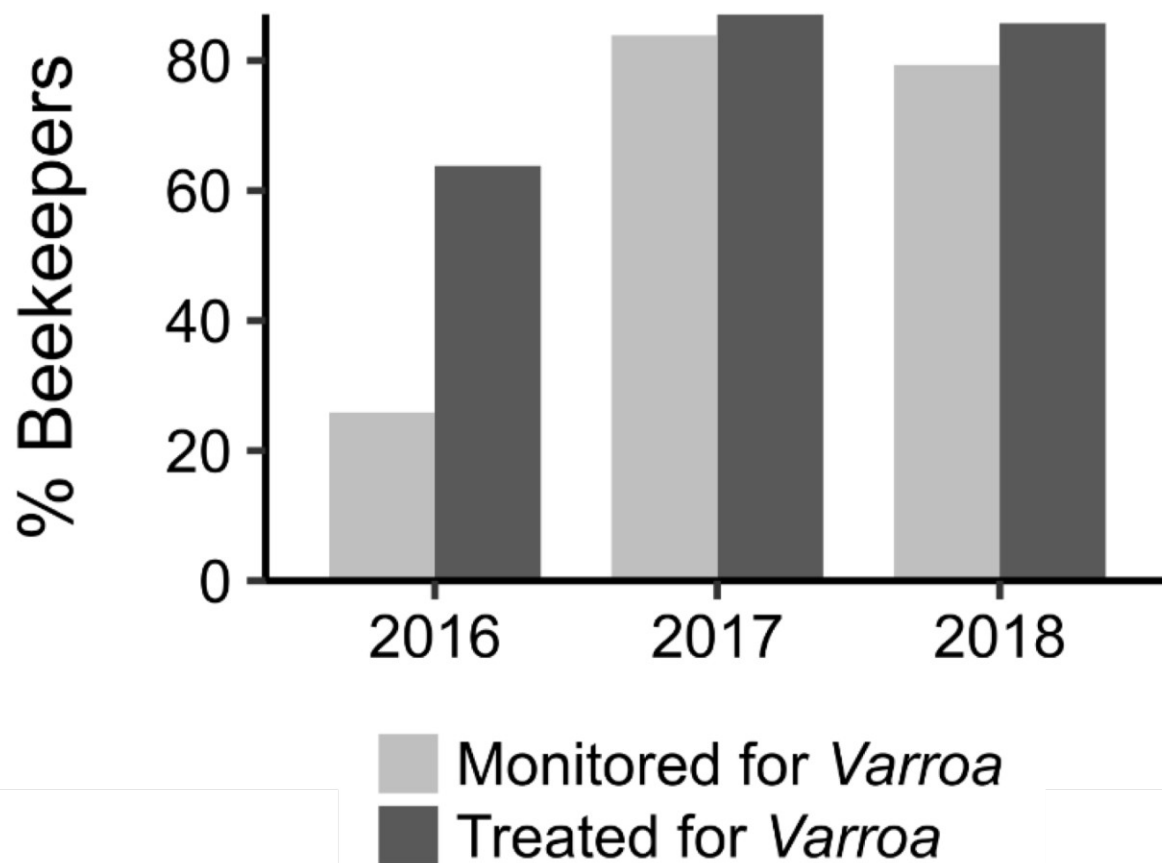
2016

19%

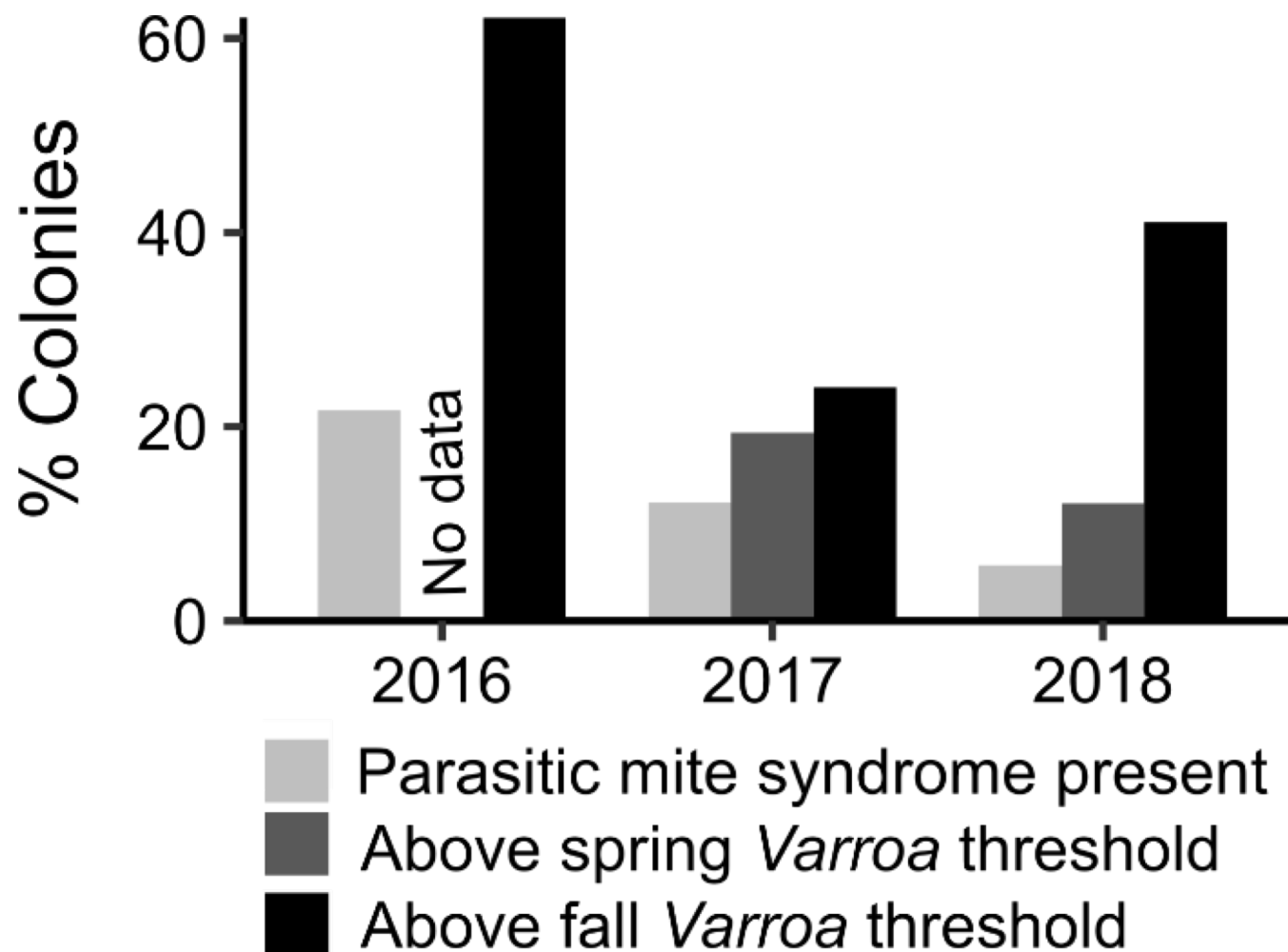
2018

54%

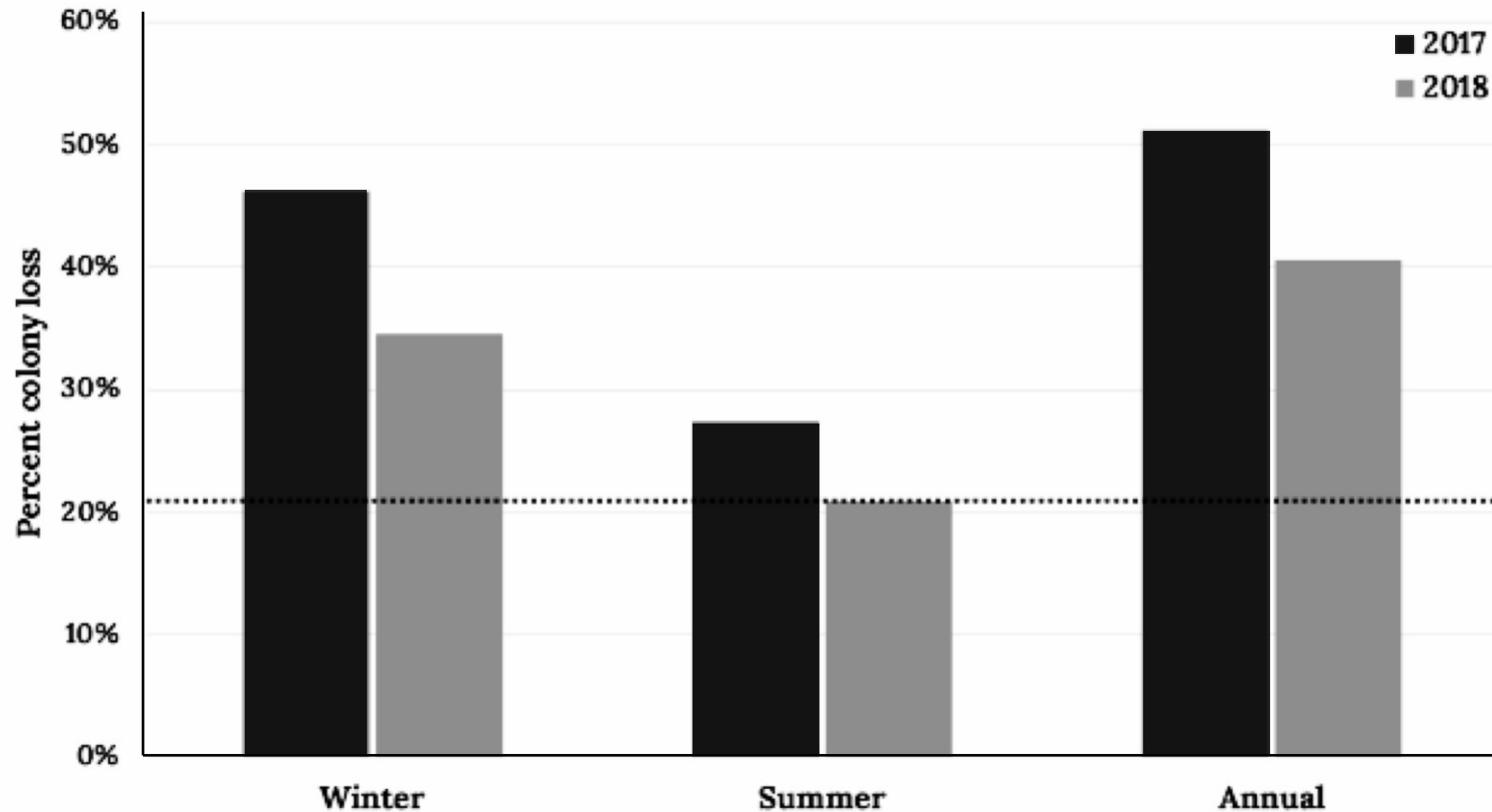
More beekeepers monitored and treated after being in the program for one year



Over time, fewer colonies developed PMS and had high mites



Colony losses were lower in 2017/2018





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