

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*







2018 NYS Beekeeper Tech Team Report

NYS
BEEKEEPER
TECH TEAM

NEW YORK
STATE OF
Agriculture
and Markets

Cornell
CALs
College of Agriculture
and Life Sciences

After our first field trip...



62% of colonies had high mite levels

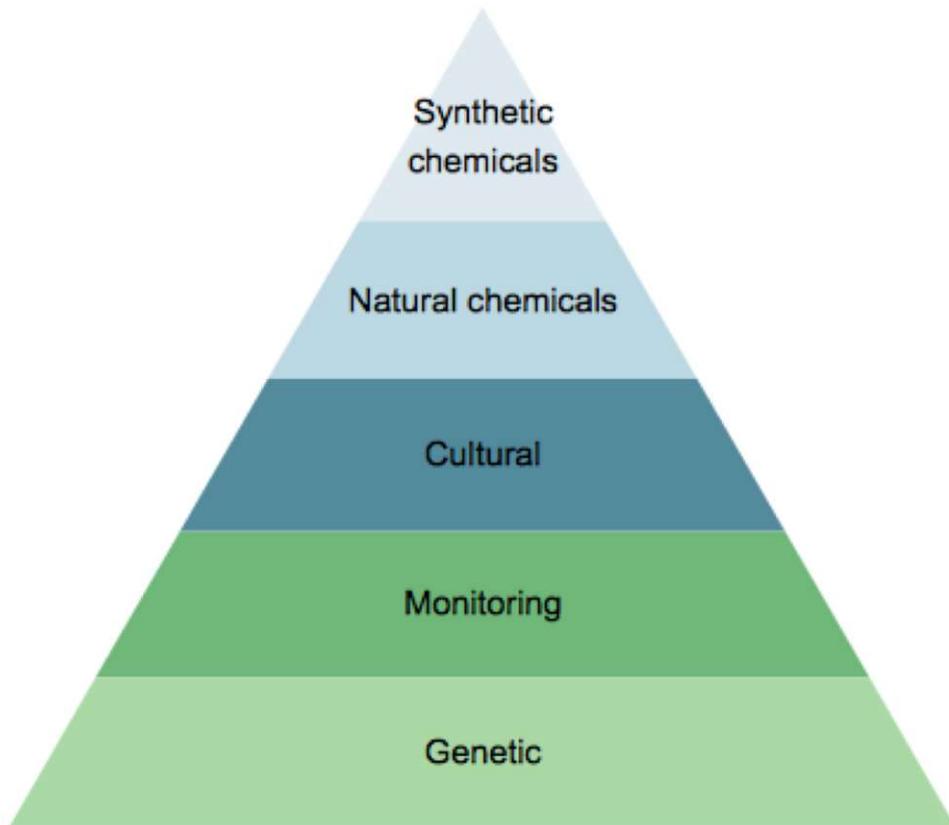


22% of colonies had Parasitic Mite Syndrome (PMS)

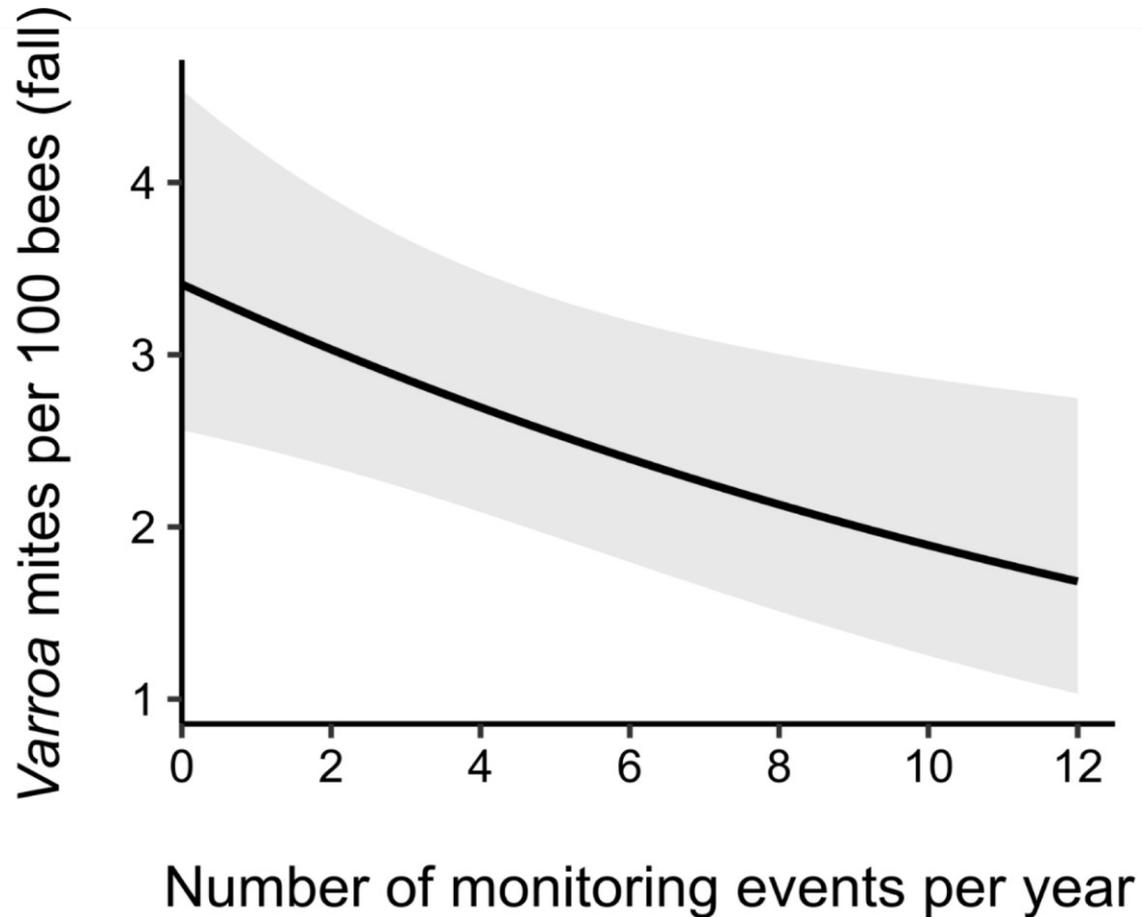


26% of beekeepers monitored
64% of beekeepers treated

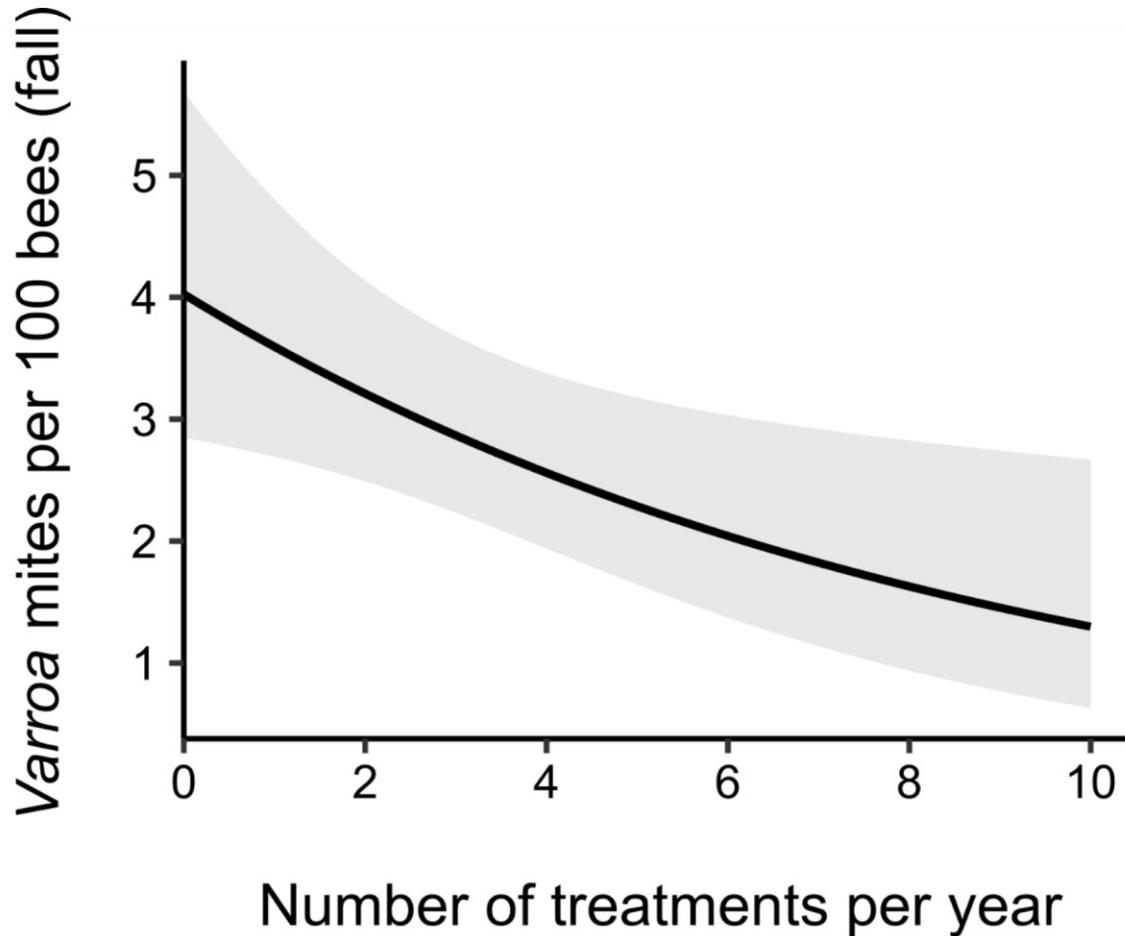
Integrated Pest Management



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

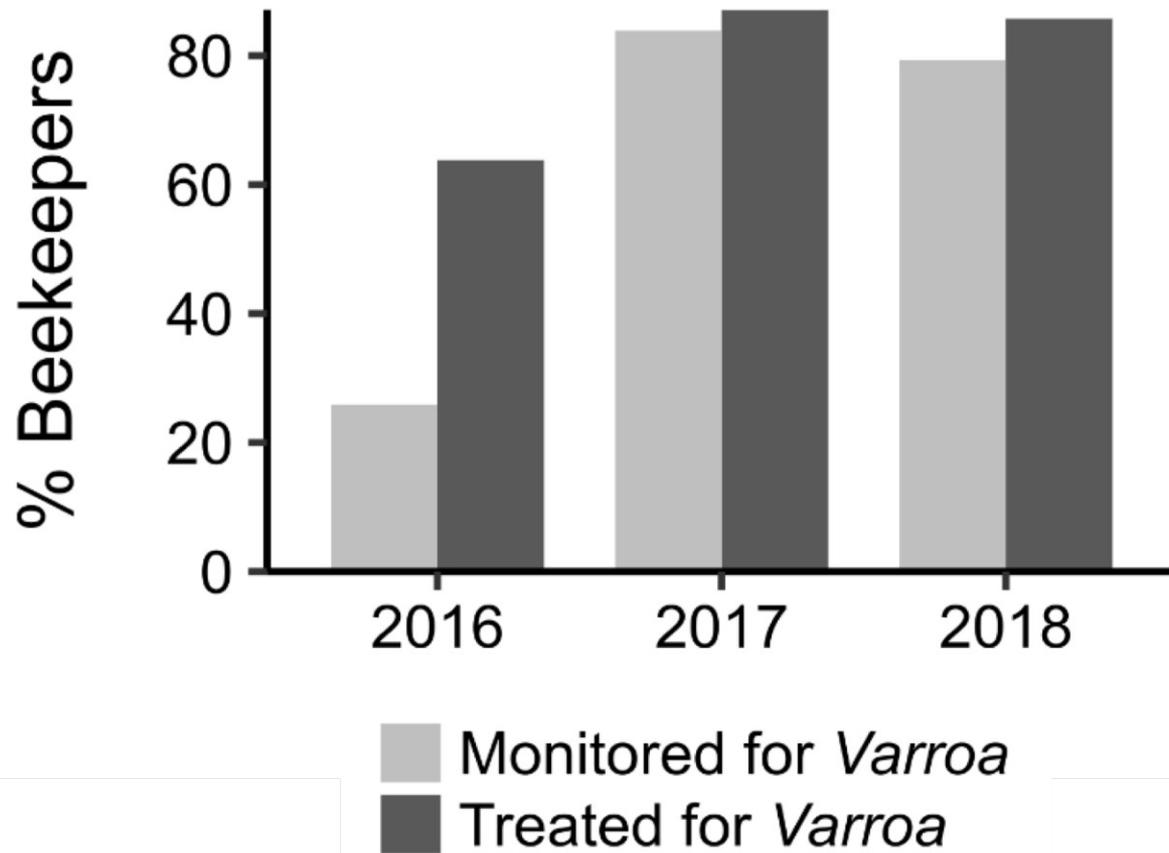
2018

19%

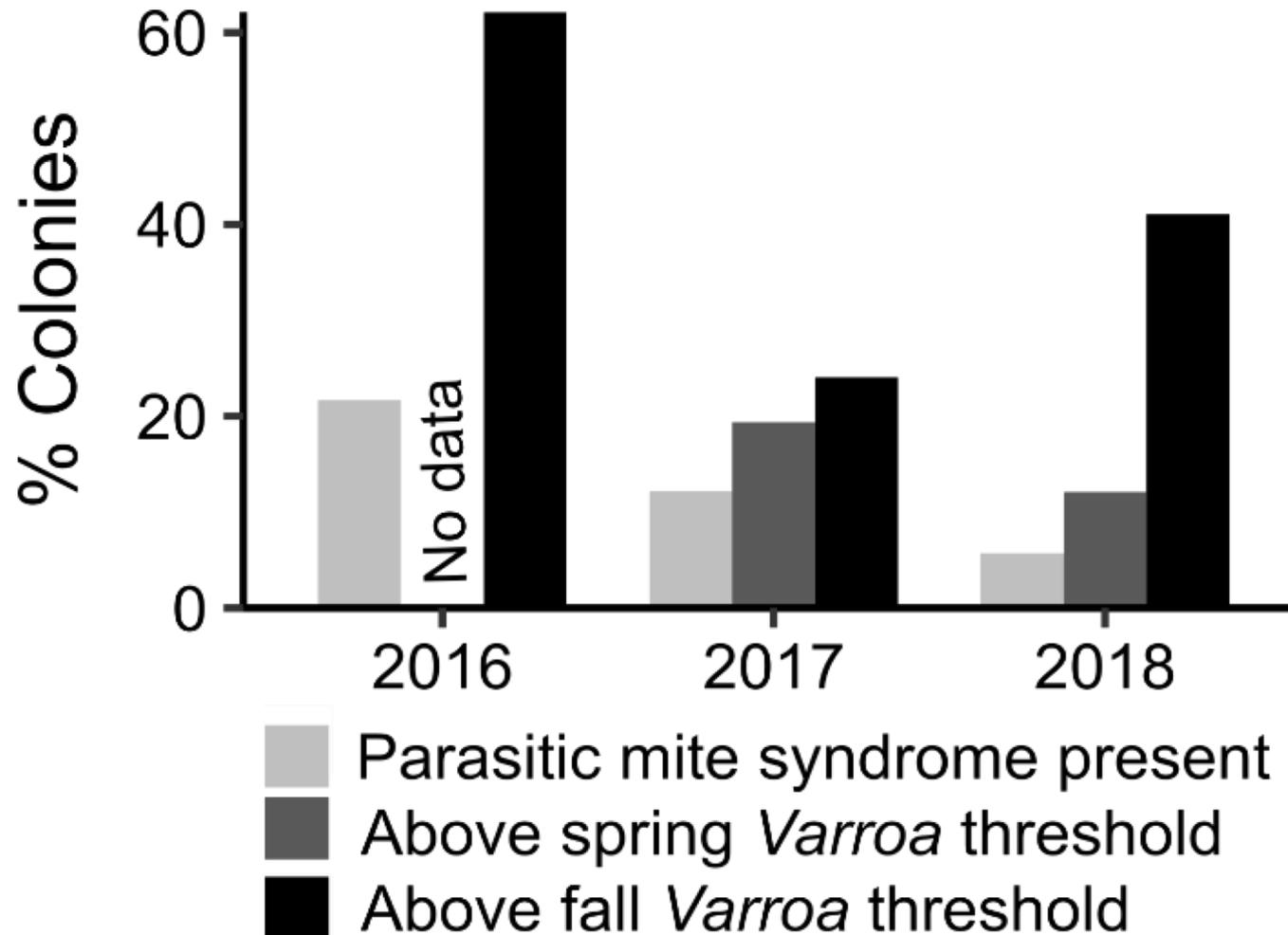
54%

2016	2018
19%	54%

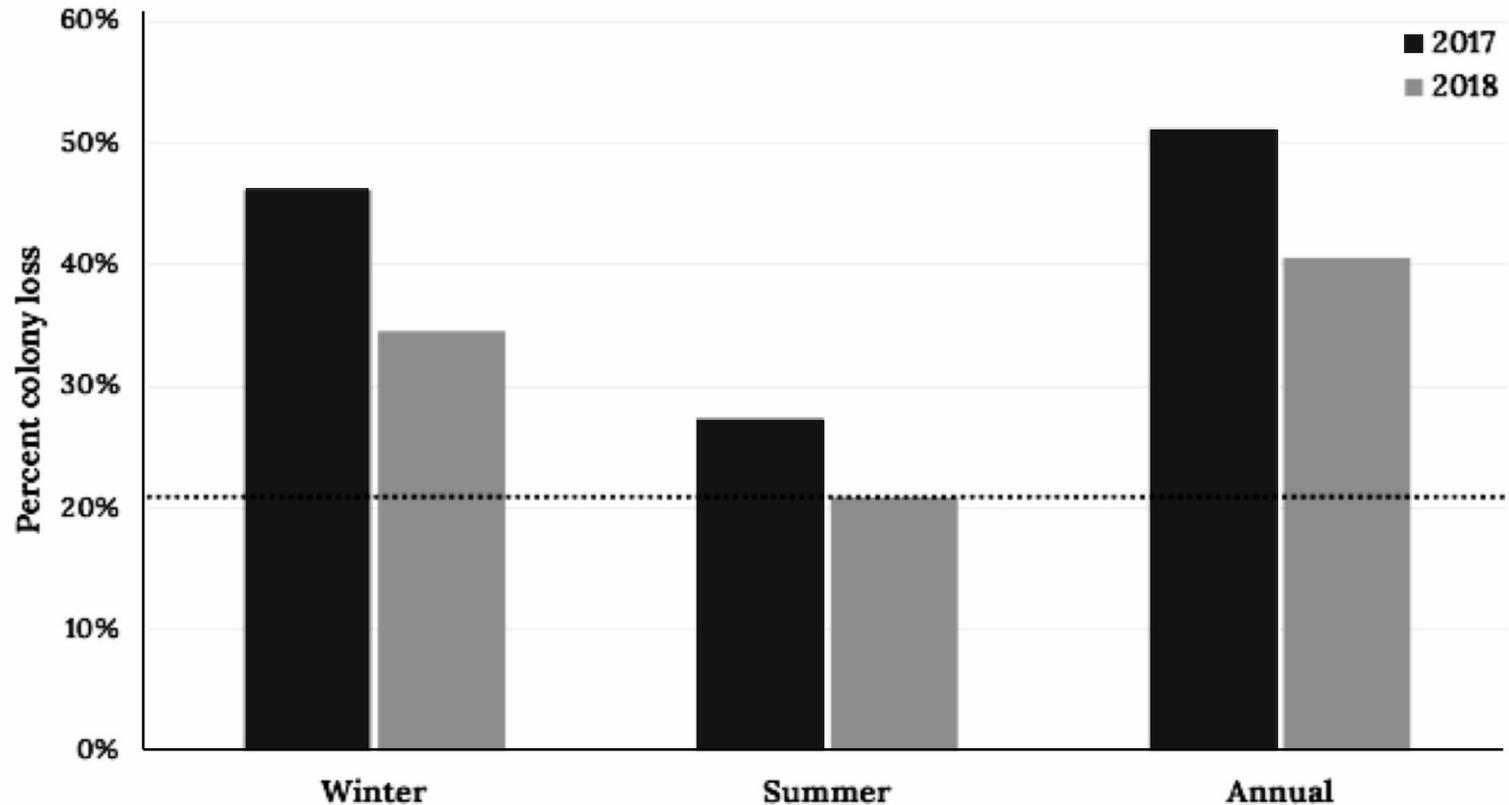
More beekeepers monitored and treated after being in the program for one year



Over time, fewer colonies developed PMS and had high mites



Colony losses were lower in 2017/2018





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