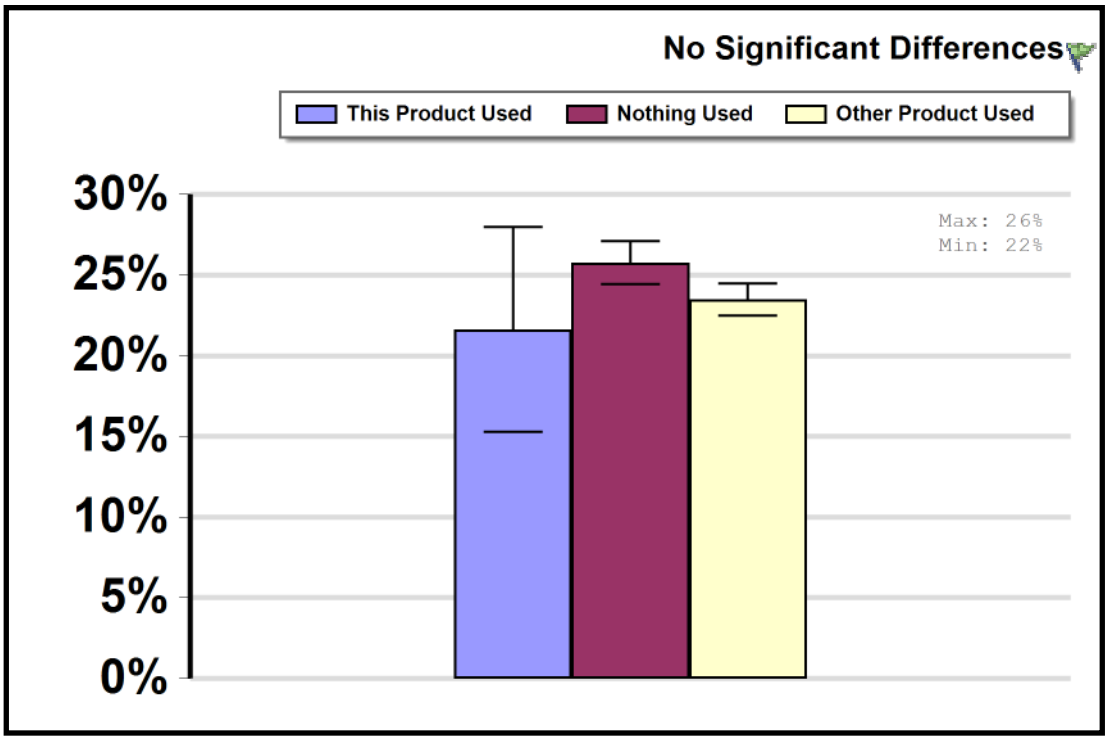
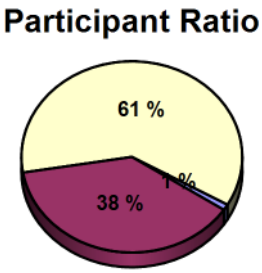
Oxalic Acid Use

Winter

Report ID: 278-2012

A comparison of average winter colony mortality among beekeepers who reported treating or not treating with an Oxalic acid-based product at least once, between April and March.





Interpretation

Beekeepers who reported treating with a formic acid-based product reported 7.9 fewer overwintering colony deaths per 100 managed colonies than those who did not report using a known varroa mite control product. In other words, beekeepers who reported treating with a formic acid-based product lost 30.7% fewer colonies than those who did not report treating with any known varroa mite control product.

Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April 1, 2011 and March, 2012?

-Formic Acid

		Total Number of Respondents Providing Valid Responses	Total Number of Colonies Managed	Average Number of Colonies Managed		Average Colony Loss
				Mean	Standard Error	Mean(%) [Lower, Upper] CI
Product O	This Product Used	58	4,113	70.9	20.3	**21.6[15.3,28.0]**
	Nothing Used	2,217	27,915	12.6	2.4	**25.8[24.4,27.1]**
	Other Product Used	3,551	229,145	64.5	11.9	**23.5[22.5,24.5]**

Comments About This Data

Relevant Links, References, and Citations

Funded By: United States Department of Agriculture National Institute of Food and Agriculture

This information is for educational purposes only. References to commercial products or trade names do not imply endorsement by the Bee Informed Partnership or its members. The results presented here are the summary of the population who responded. The sample may not be representative of the beekeeping population at large. These results simply highlight differences in the sample population. The results cannot be considered conclusive, causative, protective, or attest to product efficacy or lack of efficacy.