



# Formic Acid Use

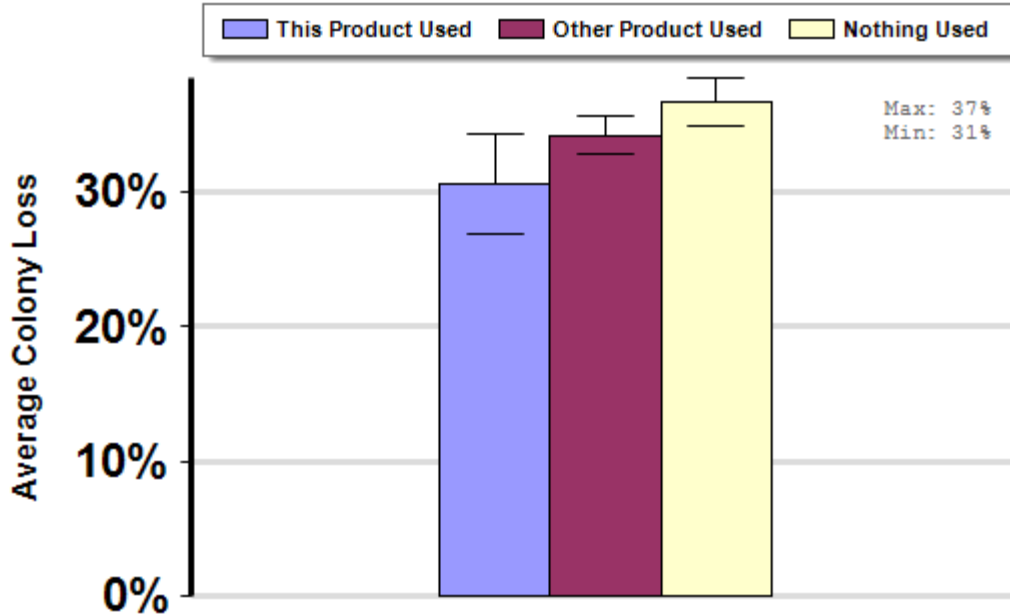
A comparison of average winter colony mortality among beekeepers who reported treating or not treating with a formic acid-based product, at least once, between April 2010 and March 2011.

## Winter

Report ID: 277

*Some Significant Differences*

**Respondent Ratio**



## Interpretation

Beekeepers who reported treating with a formic acid-based product reported 6 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 16% fewer colonies than those who did not report treating with any known varroa mite control product.

## Survey Question

For the products listed below, indicate in which months you applied the product to a majority of your colonies.  
Formic Acid (i.e., Mite Away II)

		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 95% CI	Upper 95% CI
Formic	This Product Used	289	39,865	137.9	59.7	30.7	26.9	34.4
	Other Product Used	2,460	138,274	56.2	11.0	34.2	32.8	35.7
	Nothing Used	1,675	25,192	15.0	4.7	36.7	34.9	38.5

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## Comments About This Data

We do not know if the responding beekeepers applied this product according to label directions. Nor do we know how often they applied this product. These factors may affect the results reported here. More detailed questions regarding doses and application methods are planned for future surveys.

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## 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.