

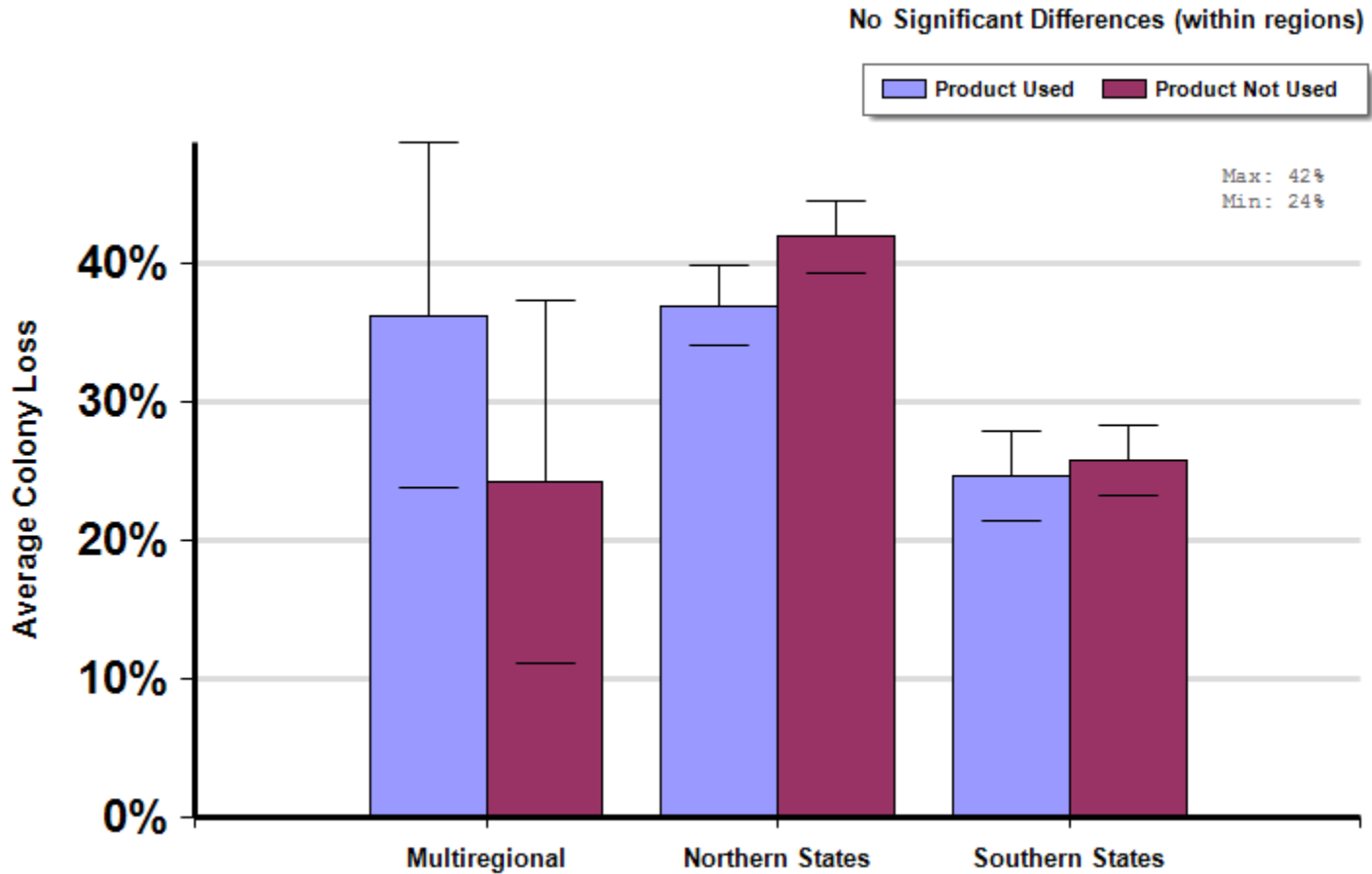


# Honey-B-Healthy Use By Region

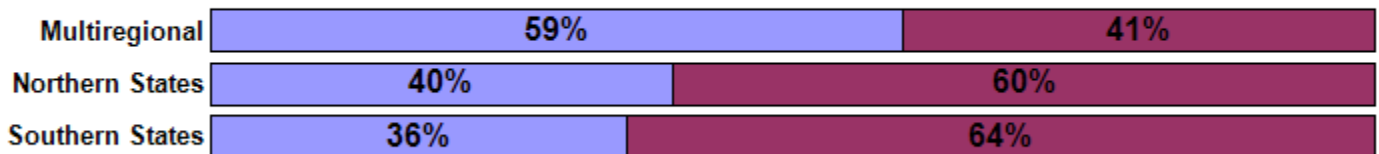
## Winter

Report ID: 185

A comparison of average winter colony mortality among beekeepers who reportedly did not and did apply and/or feed Honey-B-Healthy to a majority of their colonies, at least once, between April 2010 and March 2011 by region of operation.



## Respondent Ratio



## Interpretation

No difference between groups

## Survey Question

19. For the products listed below, indicate in which months you applied the product to a majority of your colonies. If you did not use the product please indicate so.

		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
Multiregional	Product Used	19	62,754	3302.8	757.3	36.2	23.7	48.6
	Product Not Used	13	32,536	2502.8	1223.8	24.2	11.2	37.3
Northern States	Product Used	569	8,891	15.6	6.4	36.9	34.0	39.8
	Product Not Used	864	11,494	13.3	1.8	41.9	39.3	44.4
Southern States	Product Used	349	23,182	66.4	36.1	24.6	21.4	27.8
	Product Not Used	627	12,325	19.7	5.2	25.7	23.1	28.2

## Comments About This Data

Beekeepers apply this product in various ways – some mix it with liquid feed, others mix it into protein patties. No data were collected on the delivery method or the dose of product used. This variable may be important in determining this product's effect, if any, on survivorship. We plan to collect this data in future years.

## Relevant Links, References, and Citations

[Product Flyer](#)

Honey-B-Healthy is a feeding stimulant with essential oils that contains lemongrass and spearmint oil concentrates.

[Research](#)

Research on Honey-B-Healthy shows that it is effective in improving honey bee health.

[FIFRA exempt](#)

Lemongrass oil, and mint and mint oil, are considered by the EPA to be minimum risk pesticides. Therefore, it is exempt from the requirements of the U.S. Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

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.