



# Fumagillin Use By Region

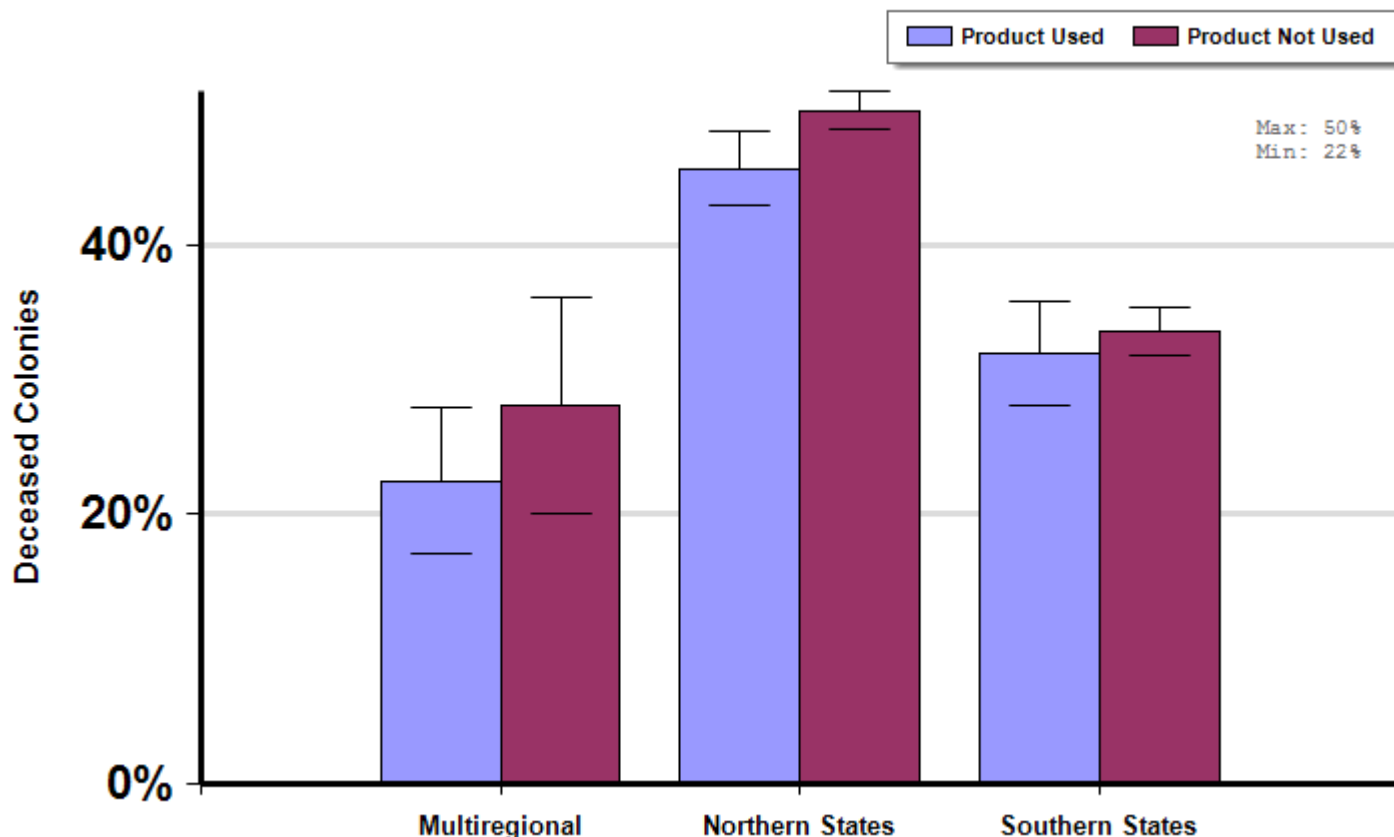
Management Survey 2014

## Winter

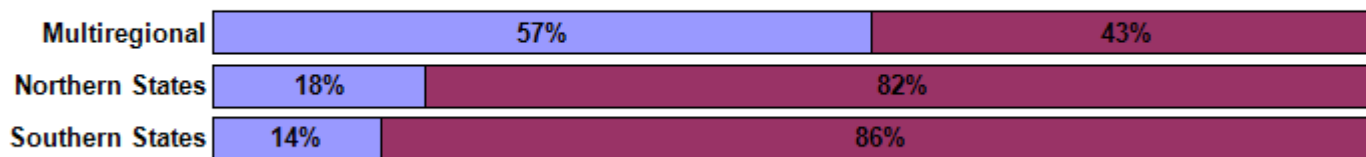
Report ID: 45-2014

A comparison of winter mortality among those who indicated they did or did not apply Fumagillin (registered for Nosema Control), at least once, to a majority of their colonies, between April and March by region of operation.

Some Significant Differences (within regions)



## Respondent Ratio



## Interpretation

Beekeepers in the North who treated with Fumagillin saw 4.3 fewer overwintering colony deaths per 100 managed colonies (8.6 % fewer losses) than those beekeepers in the North who did not treat with Fumagillin. There was no statistical difference for beekeepers who kept colonies in the South.

## Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April,2013 and March,2014?

-Fumagillin

		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
Multiregional	Product Used	60	253,459	4224.3	1170.1	22.5 [17.1,27.9]
	Product Not Used	46	153,063	3327.5	767.6	28.0 [20.0,36.0]
Northern States	Product Used	671	14,555	21.7	6.7	45.7 [42.9,48.4]
	Product Not Used	2,998	29,005	9.7	0.8	50.0 [48.6,51.4]
Southern States	Product Used	258	21,919	85.0	38.3	32.0 [28.1,35.8]
	Product Not Used	1,531	47,497	31.0	11.3	33.5 [31.8,35.3]

## 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.