



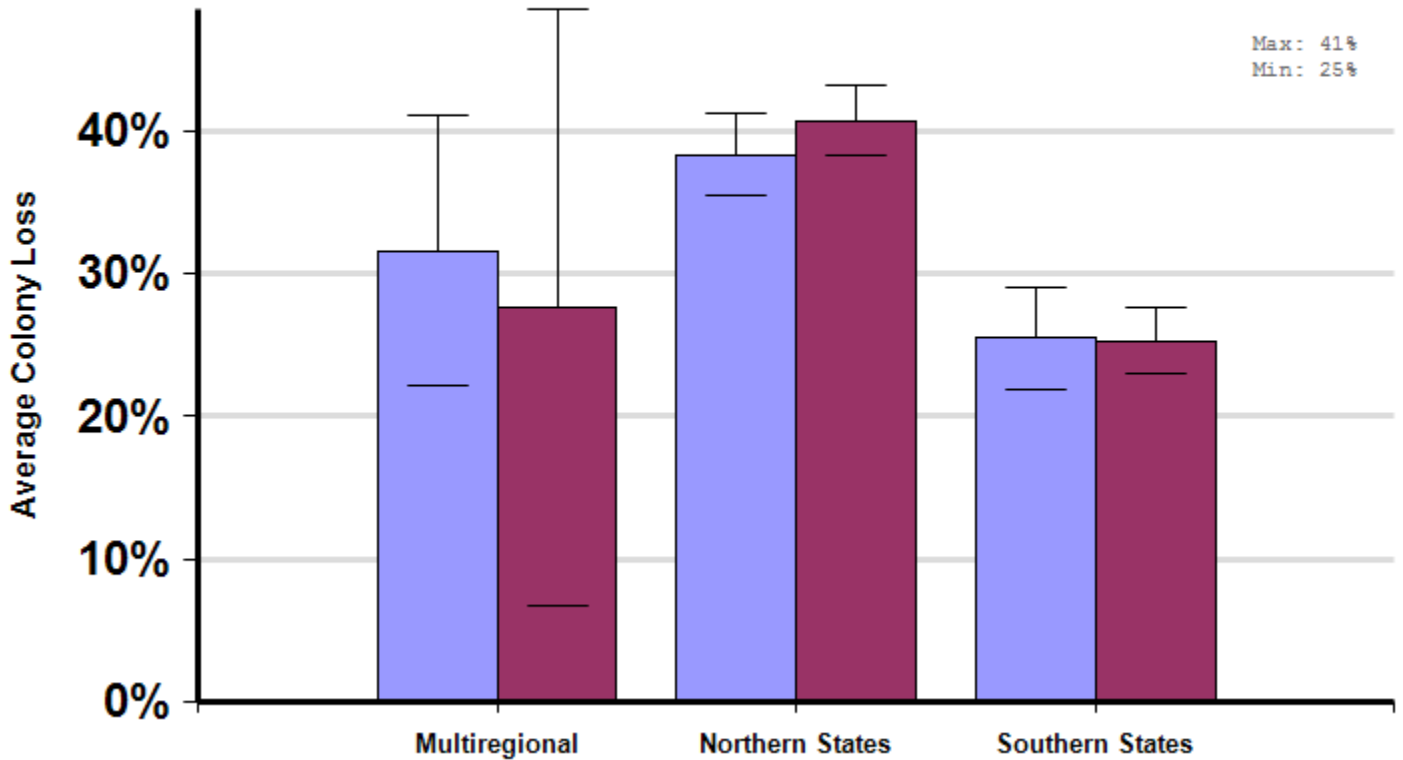
# Fumagilin Use By Region

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 2010 and March 2011 by region of operation.

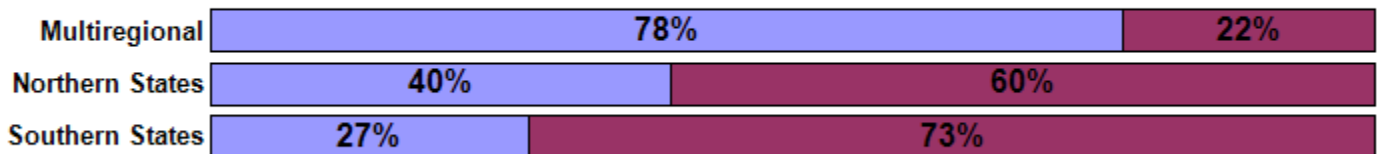
## Winter

Report ID: 45

No Significant Differences (within regions)



## Respondent Ratio



## Interpretation

No difference within groups

## Survey Question

19. For the products listed below, indicate in which months you applied the product to a majority of your colonies.  
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 95% CI	Upper 95% CI
Multiregional	Product Used	29	86,054	2967.4	596.4	31.7	22.2	41.1
	Product Not Used	8	26,464	3308.0	1914.9	27.6	6.7	48.6
Northern States	Product Used	597	11,408	19.1	6.2	38.4	35.5	41.3
	Product Not Used	914	9,914	10.8	1.6	40.7	38.3	43.2
Southern States	Product Used	268	13,191	49.2	15.8	25.5	21.9	29.1
	Product Not Used	711	10,110	14.2	3.2	25.3	23.0	27.7

### Comments About This Data

Low response rate among multiregional operations makes comparisons in this group difficult to interpret. We do not know if the responding beekeepers applied this product according to label directions. It is likely that some of those who reported using this product did so using concentrations and delivery methods that differed from the label directions. This may affect the results reported here. More detailed questions regarding doses and application methods are planned for future surveys.

### 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.