



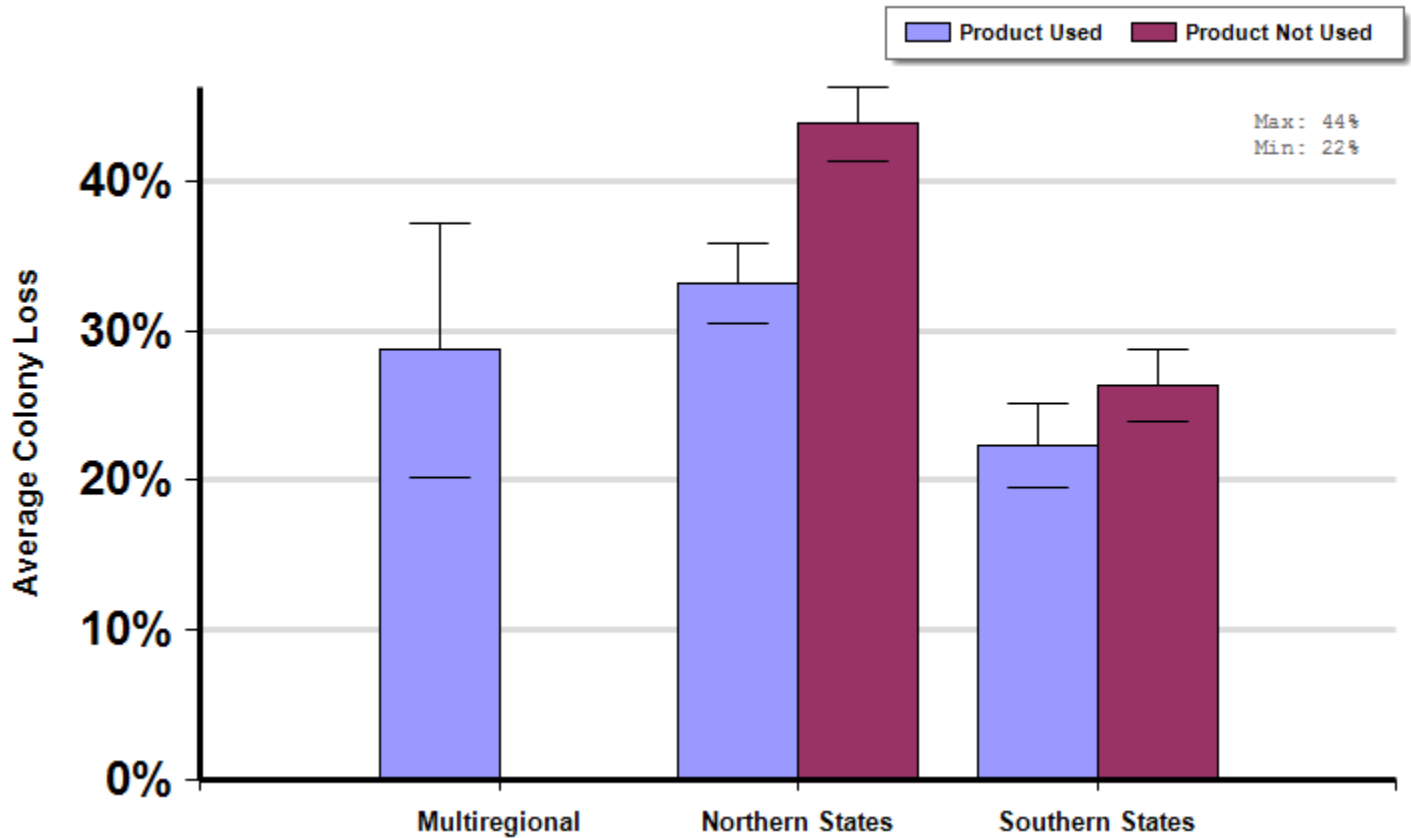
Varroa Mite Control Use By Region

A comparison of average winter colony mortality among beekeepers who reported treating or not treating with a known varroa mite control product, at least once, in a majority of their colonies between April 2010 and March 2011 by region. Known varroa mite control products include ApiGuard, ApiLife Var, Coumaphos (i.e. CheckMite+), Fluvalinate (i.e. Apistan), Formic Acid (i.e. Mite Away II), Sucroside, and others.

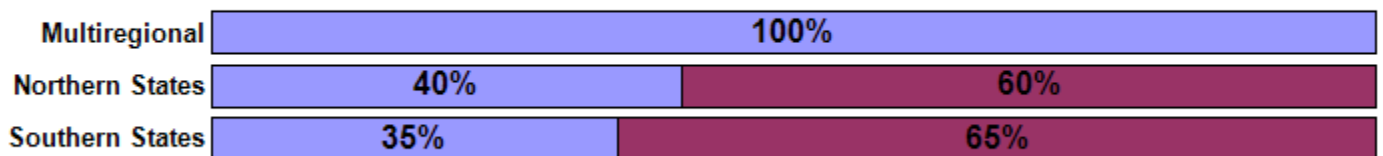
Winter

Report ID: 42

Some Significant Differences (within regions)



Respondent Ratio



Interpretation

Beekeepers in northern states that treated with a known varroa mite control product reported 10.6 fewer overwintering colony deaths per 100 managed colonies than those who did not use a varroa mite control product. In other words, beekeepers in northern states who reported treating for varroa mites lost 24% fewer colonies than those who did not report such use. There was no significant difference among southern beekeepers who used or did not use a known varroa mite control product. All multiregional operations used a known varroa mite control product.

Survey Question

19. For the products listed below, indicate in which months you applied the product to a majority of your colonies.

		Total	Total	Average Number	Average Colony Loss
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		Number of Respondents Providing Valid Responses	Number of Colonies Managed	of Colonies Managed				
				Mean	Standard Error	Mean(%)	Lower 95% CI	Upper 95% CI
Multiregional	Product Used	34	99,370	2922.6	650.4	28.7	20.2	37.2
Northern States	Product Used	647	13,735	21.2	5.9	33.2	30.5	35.8
	Product Not Used	954	9,249	9.7	1.3	43.8	41.4	46.2
Southern States	Product Used	373	34,877	93.5	35.3	22.3	19.5	25.1
	Product Not Used	694	7,125	10.3	1.5	26.4	23.9	28.8

Comments About This Data

We do not know if the responding beekeepers applied the products according to label directions. It is likely that some of those who reported using a 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

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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.