



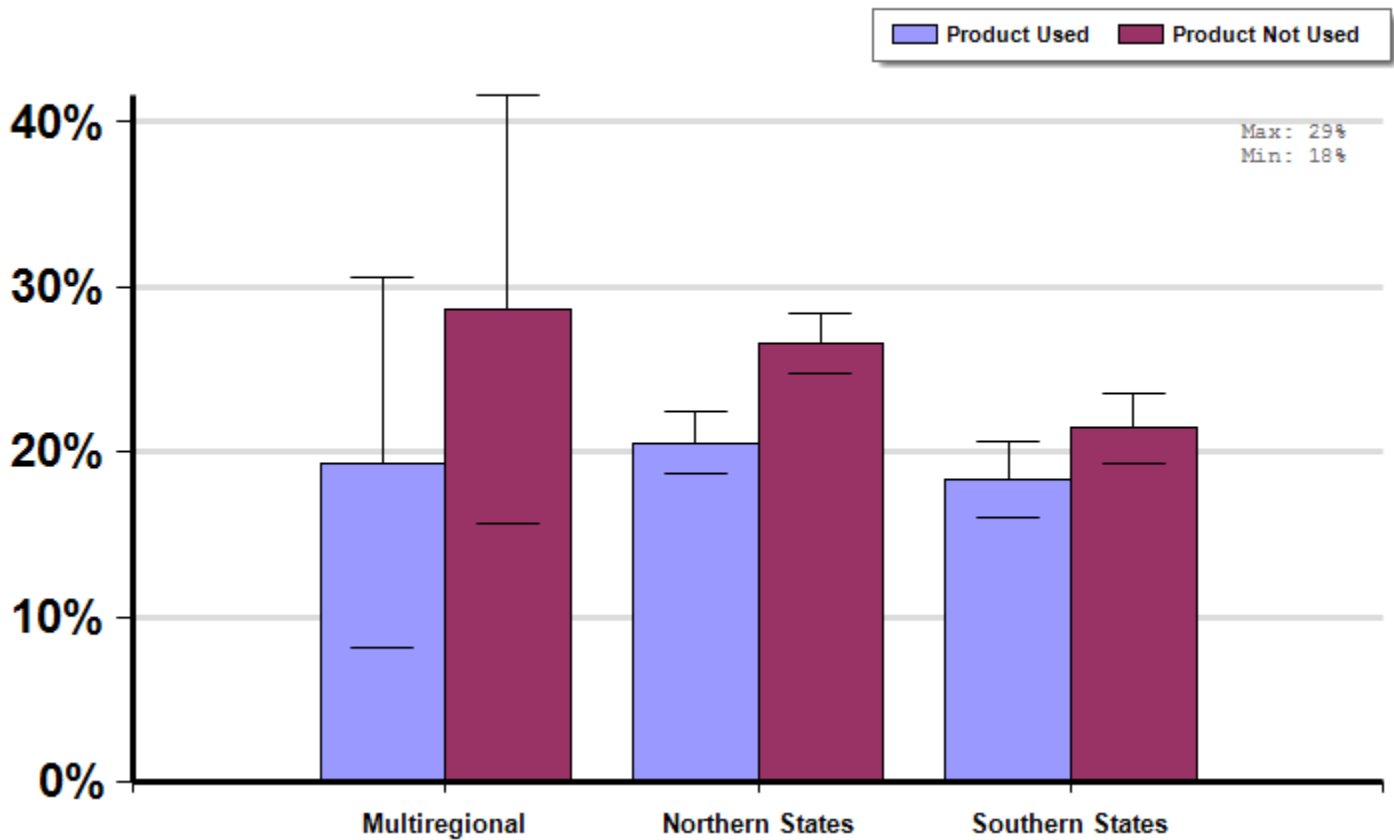
# Varroa Mite Control Use By Region

## Winter

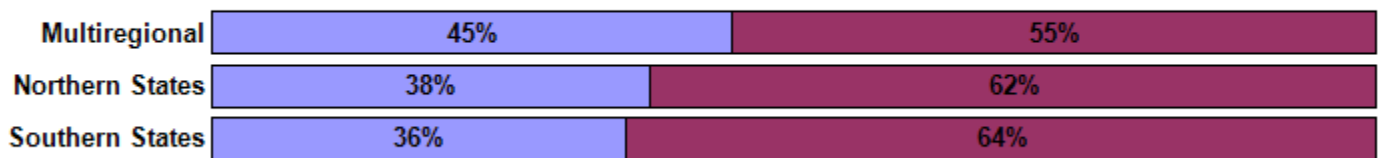
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A comparison of average winter colony mortality among beekeepers who reported treating or not treating with a known varroa mite control product, at least once, in a majority of their colonies between April, 2011 and March, 2012 by region. Known varroa mite control products include ApiGuard, ApiLife Var, Coumaphos (i.e. CheckMite+), Fluvalinate (i.e. Apistan), Formic Acid (i.e. Mite Away II), Sucrocide, and others.

*Some Significant Differences (within regions)*



## Respondent Ratio



## Interpretation

Beekeepers in northern states that treated with a known varroa mite control product reported 6.1 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 23% 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.

## Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April 1, 2011 and March, 2012?

- ApiGuard
- ApiLife Var
- Coumaphos (i.e. CheckMite+)
- Fluvalinate (i.e. Apistan)
- Formic Acid (i.e. Mite Away II)
- Sucroside

		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	17	39,754	2338.5	1249.7	19.3	8.1	30.6
	Product Not Used	21	1,575	75.0	56.6	28.6	15.6	41.6
Northern States	Product Used	741	86,523	116.8	38.1	20.5	18.6	22.4
	Product Not Used	1,226	10,576	8.6	1.2	26.6	24.7	28.4
Southern States	Product Used	404	27,163	67.2	24.0	18.4	16.0	20.7
	Product Not Used	729	7,681	10.5	1.1	21.4	19.3	23.5

## Comments About This Data

## Relevant Links, References, and Citations

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