



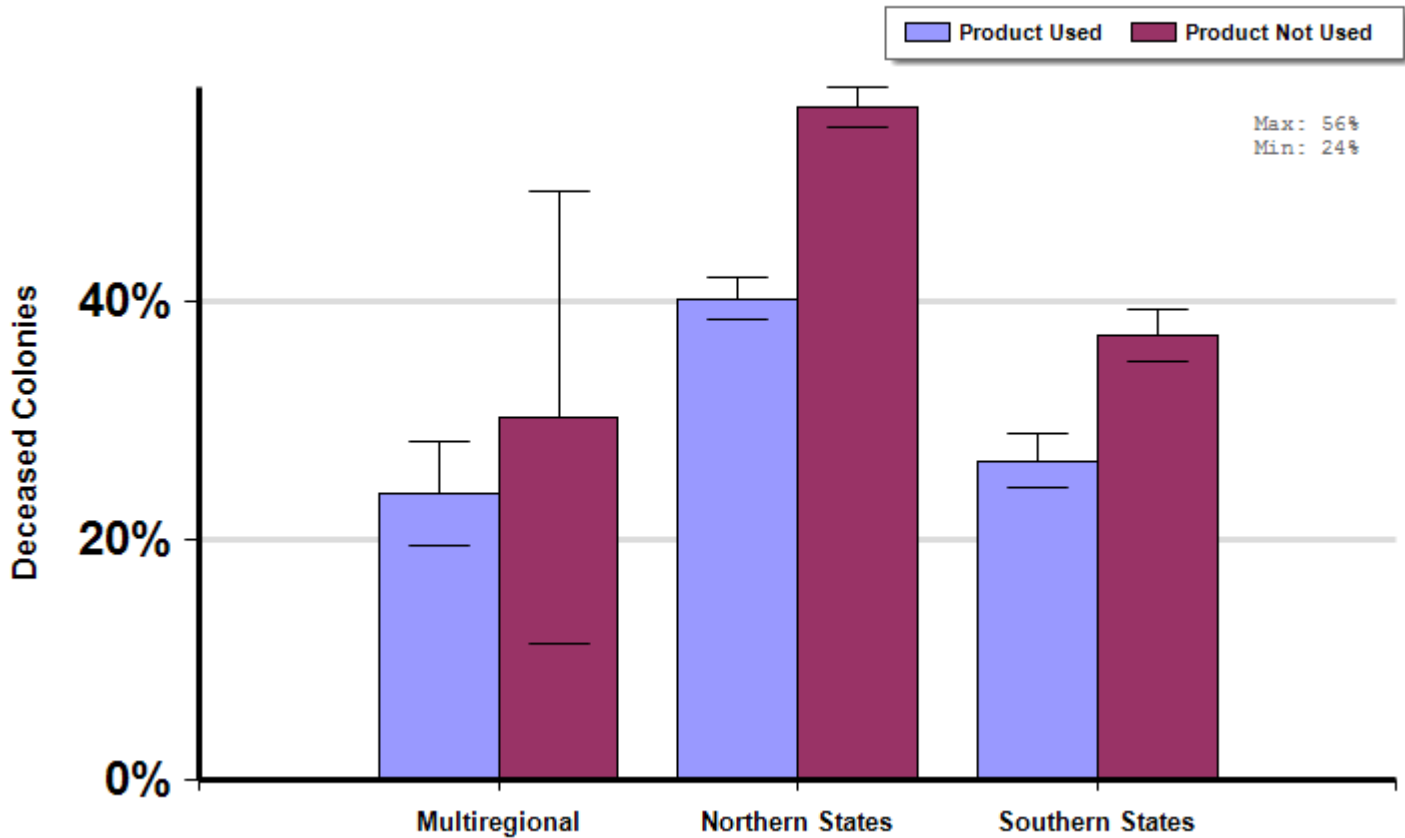
# Varroa Mite Control Use By Region

## Winter

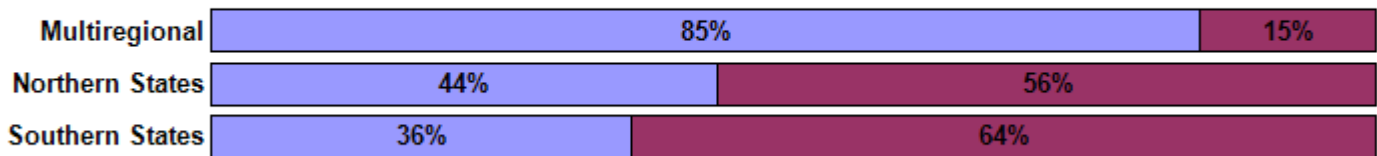
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A comparison of average winter colony mortality among beekeepers who reported treating or not treating with a known Varroa mite control product, at least once, in a majority of their colonies between April and March by region. Known Varroa mite control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

Some Significant Differences (within regions)



## Respondent Ratio



## Interpretation

Northern beekeepers who treated their colonies with a known Varroa mite control product reported 15.9 fewer overwintering colony deaths per 100 managed colonies than those who did not report treatment with a known Varroa mite control product. In other words, Northern beekeepers who treated their colonies for Varroa mites lost 28.3 % fewer colonies than those who did not treat their colonies for Varroa mites. Southern beekeepers who treated their colonies with a known Varroa mite control product reported 10.5 fewer overwintering colony deaths per 100 managed colonies than those who did not report treatment with a known Varroa mite control product. In other words, Southern beekeepers who treated their colonies for Varroa mites lost 28.3 % fewer colonies than those who did not treat their colonies for Varroa mites.

## Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April 1, 2013 and March, 2014?

- ApiGuard
- ApiLife Var
- Amitraz
- Coumaphos (Checkmite+)
- Fluvalinate (Apistan)
- Formic Acid (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, Upper] CI
Multiregional	Product Used	90	328,197	3646.6	473.1	23.9 [19.5,28.3]
	Product Not Used	16	78,325	4895.3	4219.8	30.2 [11.4,49.1]
Northern States	Product Used	1,598	31,101	19.5	3.2	40.2 [38.4,41.9]
	Product Not Used	2,071	12,459	6.0	0.3	56.1 [54.5,57.8]
Southern States	Product Used	646	61,611	95.4	30.8	26.6 [24.4,28.9]
	Product Not Used	1,143	7,805	6.8	0.5	37.1 [34.9,39.2]

## Comments About This Data

## Relevant Links, References, and Citations

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