



Varroa Mite Control Use By Region

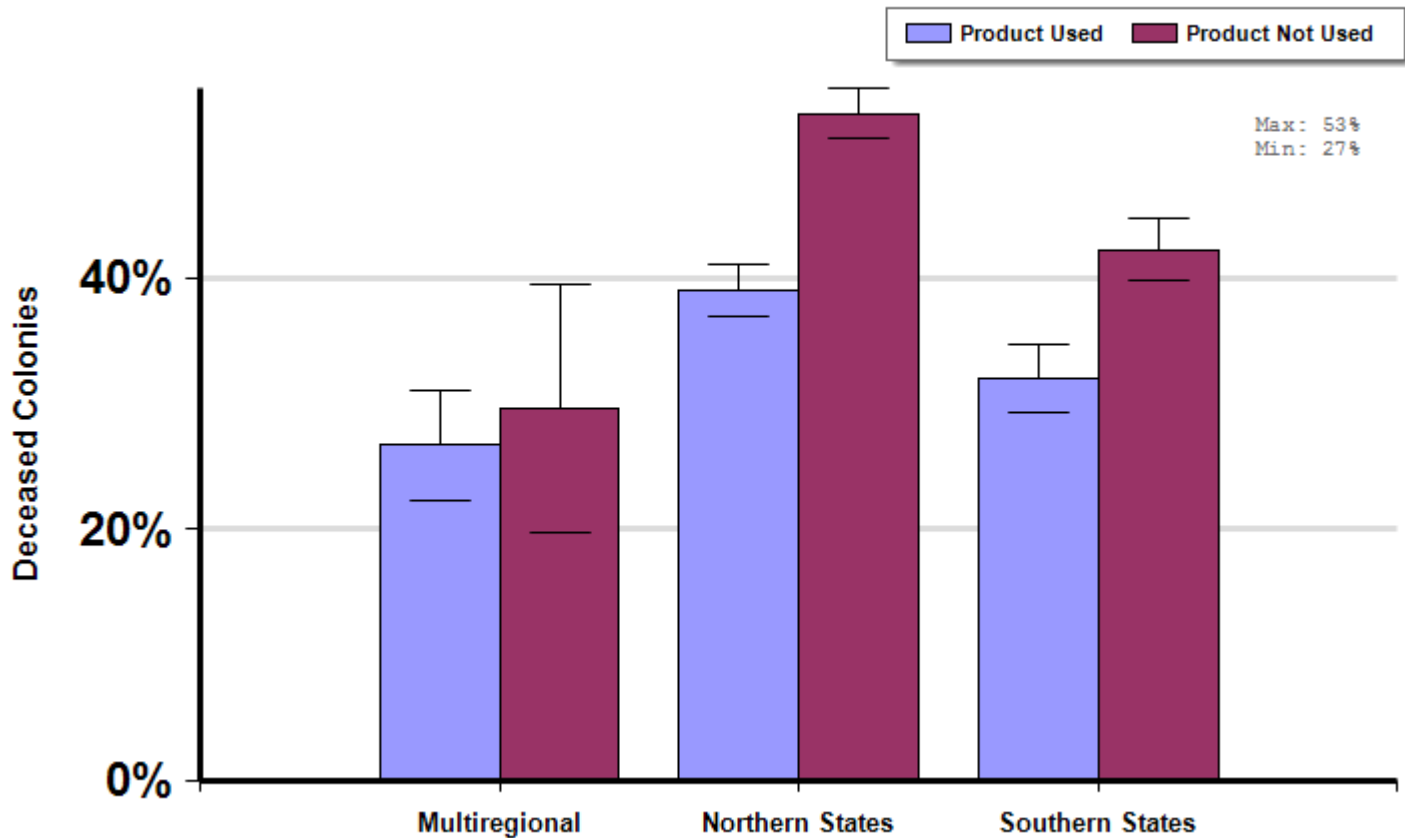
Management Survey 2013

Winter

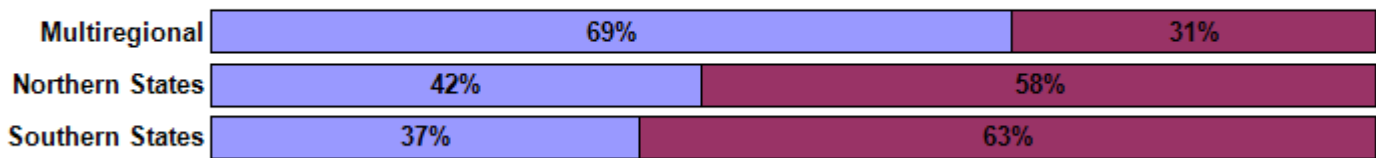
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A comparison of average winter colony mortality among beekeepers who reported treating or not treating with a known Varroa mite control product, at least once, in a majority of their colonies between April and March by region. Known Varroa mite control 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

There are some significant differences between Northern and Southern States. Beekeepers in North and South who treated with a known Varroa mite control product lost fewer colonies than those beekeepers in the North and South who did not treat with a known Varroa mite control product. Those in the North treated with a Varroa mite control product reported 14 fewer overwintering colony deaths per 100 managed colonies (26.4% fewer losses) and those in the South who treated with a Varroa mite control product reported 10.3 fewer overwintering colony deaths per 100 managed colonies (24.4% fewer losses) than those who did not report treating their colonies with a Varroa mite control product. There was no statistical difference for those beekeepers who were in several regions.

Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April 1, 2012 and March, 2013?

- 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	88	381,290	4332.8	931.4	26.7 [22.4,31.0]
	Product Not Used	40	48,134	1203.4	624.6	29.6 [19.7,39.5]
Northern States	Product Used	981	34,457	35.1	8.7	39.1 [37.0,41.2]
	Product Not Used	1,347	13,050	9.7	0.9	53.1 [51.2,55.1]
Southern States	Product Used	478	58,760	122.9	33.1	32.0 [29.3,34.8]
	Product Not Used	819	12,436	15.2	5.2	42.3 [39.9,44.7]

Comments About This Data

Relevant Links, References, and Citations

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