



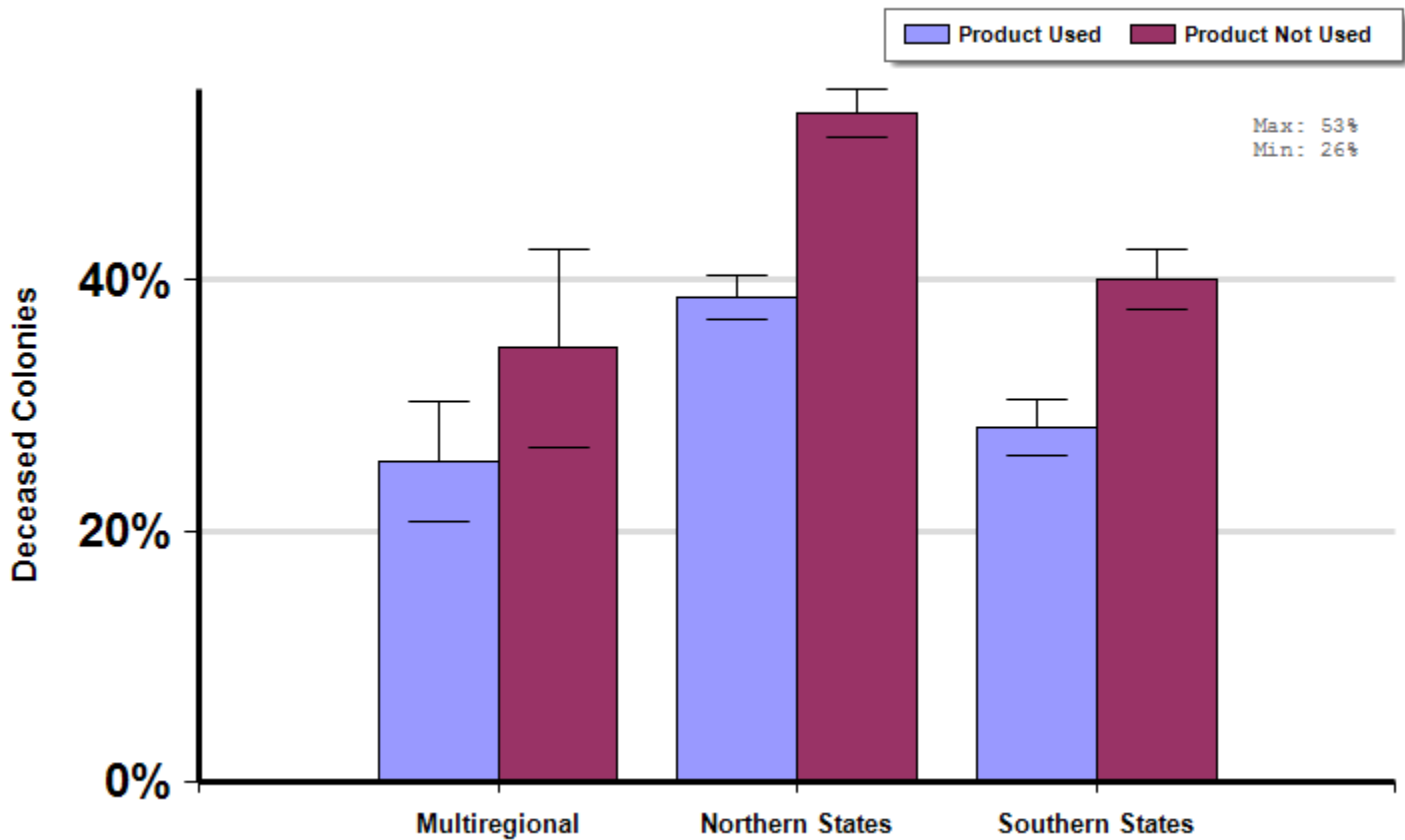
Varroa Mite Control Use By Region

Winter

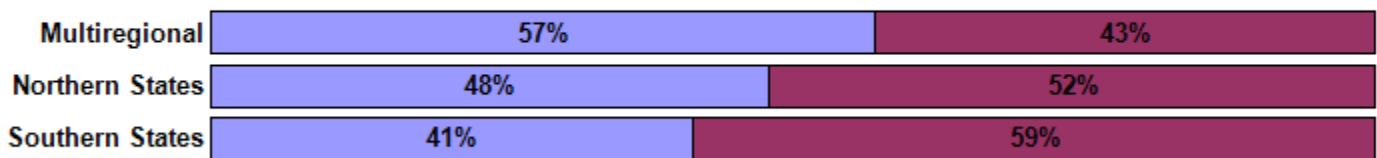
Report ID: 42-2015

A comparison of average winter colony mortality among beekeepers who did or did not apply a known Varroa mite control product, at least once, in a majority of their colonies between April 2014 and March 2015, 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 14.6 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 27.4% 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 11.9 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, Southern beekeepers who treated their colonies for Varroa mites lost 29.7% 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, 2014 and March, 2015?

- 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	89	259,761	2918.7	784.2	25.6 [20.8, 30.4]
	Product Not Used	67	2,768	41.3	26.4	34.6 [26.7, 42.5]
Northern States	Product Used	1,472	40,919	27.8	7.6	38.7 [37.0, 40.4]
	Product Not Used	1,596	9,201	5.8	0.3	53.3 [51.5, 55.2]
Southern States	Product Used	646	54,723	84.7	31.5	28.2 [26.0, 30.5]
	Product Not Used	911	7,043	7.7	0.6	40.1 [37.7, 42.4]

Comments About This Data

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.