



# Antibiotic Use By Region

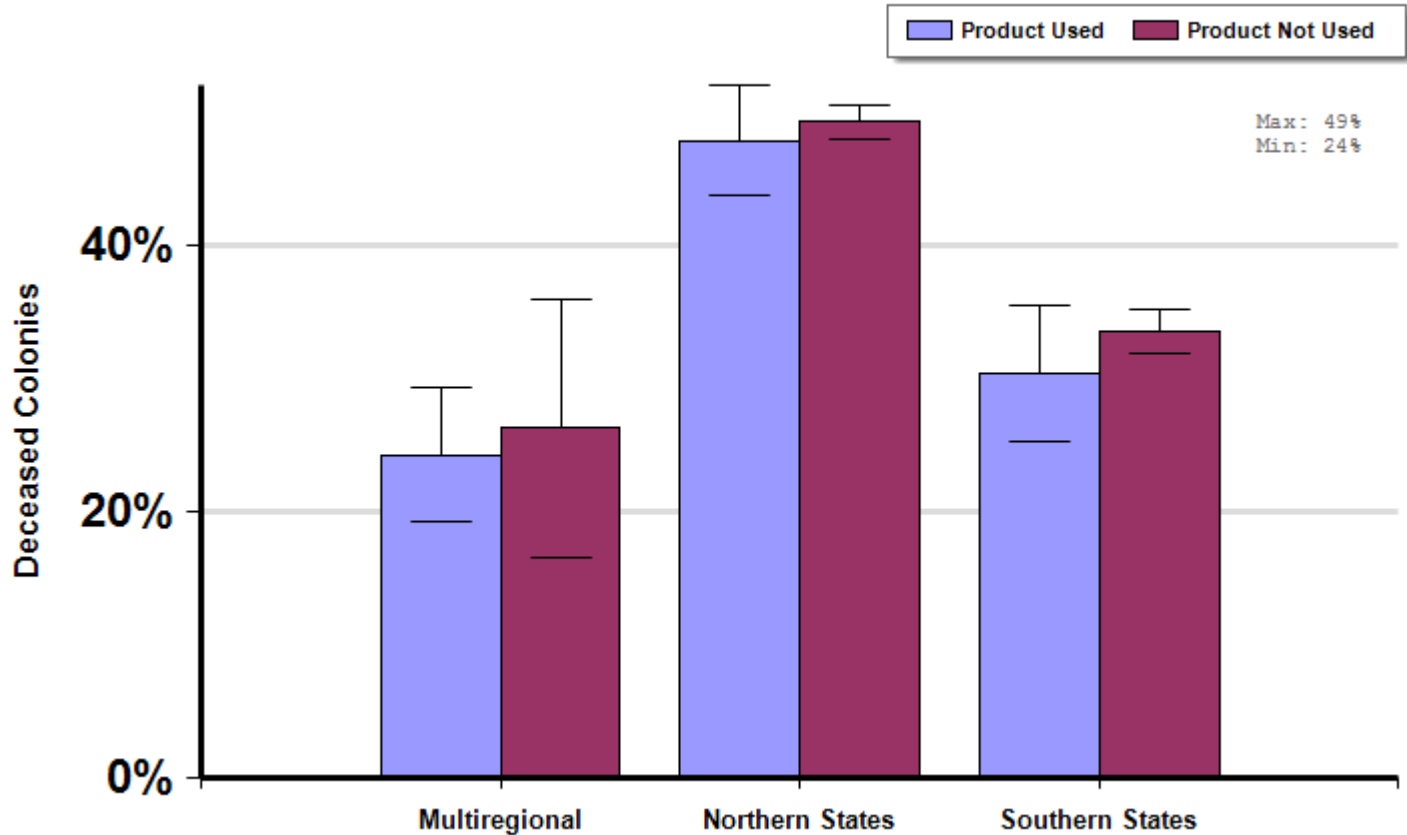
Management Survey 2014

## Winter

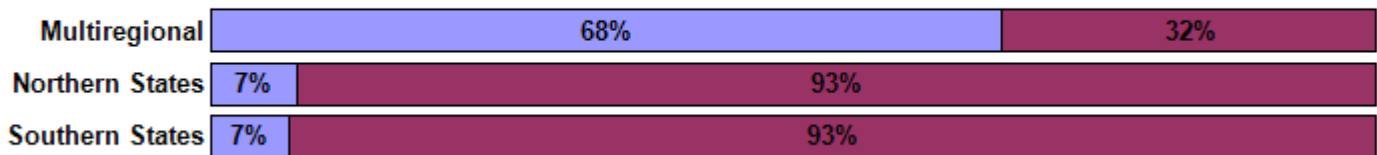
Report ID: 48-2014

A comparison of average winter colony mortality among beekeepers who did or did not apply an antibiotic (either Terramycin or Tylosin (Tylan)), at least once, to a majority of their colonies between April and March by region of operation.

No Significant Differences (within regions)



## Respondent Ratio



## Interpretation

There are no significant differences between the groups.

## Survey Question

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

- Terramycin
- Tylosin (Tylan)

		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	72	371,579	5160.8	1041.1	24.2 [19.2,29.3]
	Product Not Used	34	34,943	1027.7	367.8	26.3 [16.5,36.0]
Northern States	Product Used	271	11,363	41.9	8.4	47.9 [43.8,52.0]
	Product Not Used	3,398	32,197	9.5	1.3	49.3 [48.0,50.6]
Southern States	Product Used	120	42,952	357.9	147.7	30.3 [25.2,35.5]
	Product Not Used	1,669	26,464	15.9	5.1	33.5 [31.9,35.2]

## Comments About This Data

## Relevant Links, References, and Citations

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