



The Bee Informed Partnership
Management Survey Results (2013)
Bacterial Brood Disease Control

BeelInformed.org

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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.



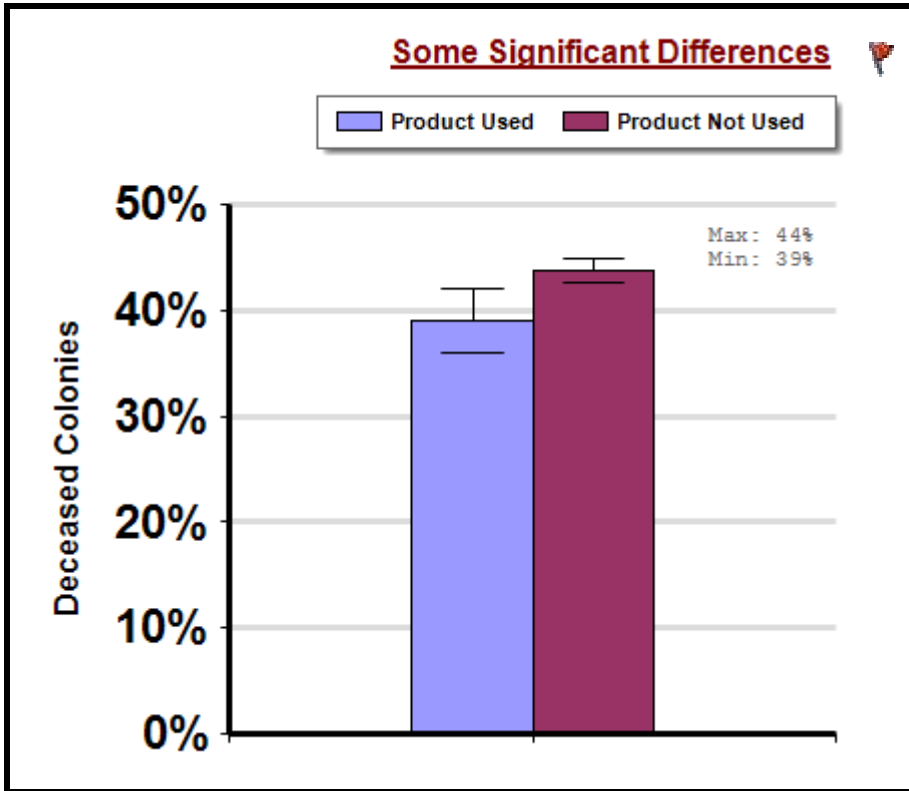
Antibiotic Product Use

Management Survey 2013

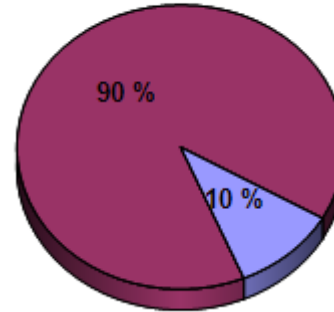
A comparison of winter mortality among those who indicated they applied an antibiotic (Terramycin and/or Tylosin (Tylan)), at least once, to a majority of their colonies between April and March.

Winter

Report ID: 36-2013



Participant Ratio



Interpretation

Beekeepers who reported treating with an antibiotic product reported on average 4.7 fewer overwintering colony deaths per 100 managed colonies than those who did not report using an antibiotic product. In other words, beekeepers who reported treating with an antibiotic product lost 10.7% fewer colonies than the ones who did not report treating with any known antibiotic product.

Survey Question

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

- Terramycin
- Tylosin

		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

Product Not Used	3,392	161,174	47.5	9.0	43.8 [42.6, 45.0]
Product Used	392	396,005	1010.2	228.5	39.1 [36.0, 42.1]

Comments About This Data

Relevant Links, References, and Citations



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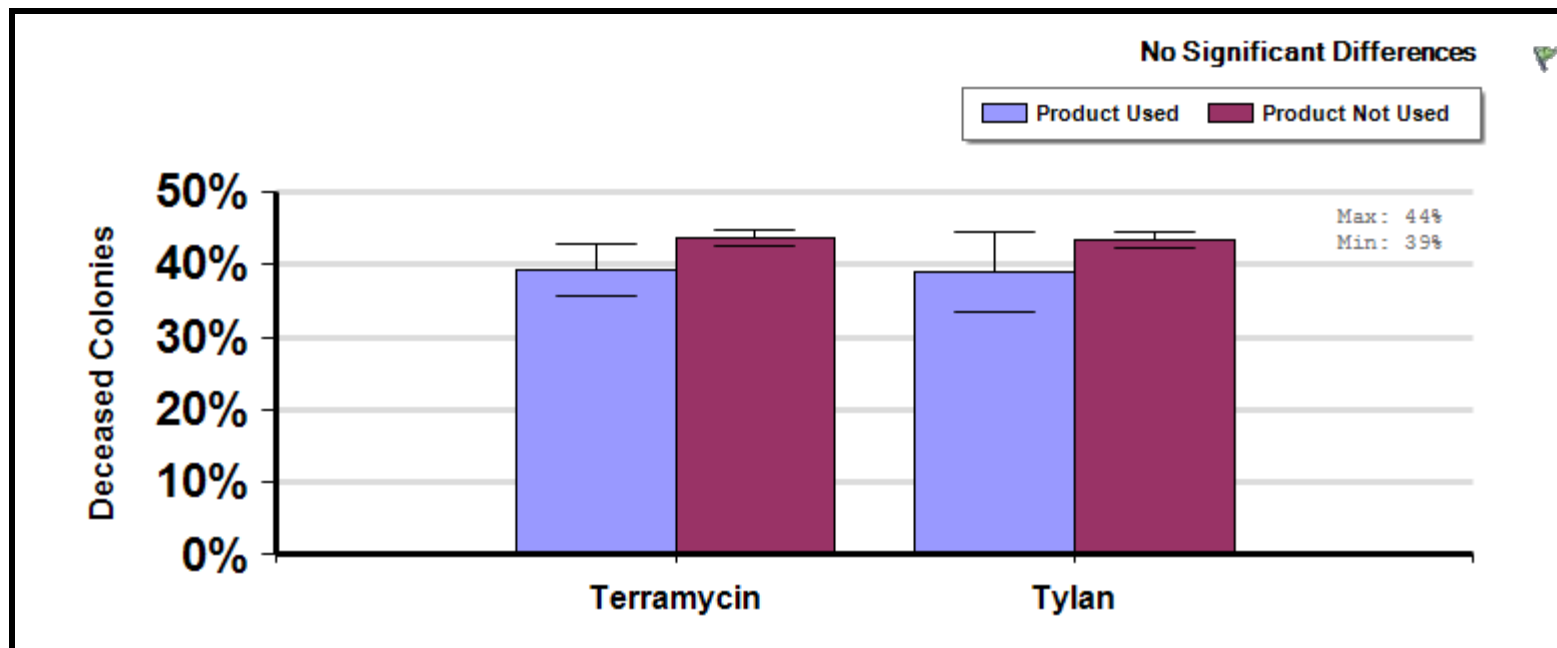
Antibiotic Use By Product

Management
Survey 2013

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

Winter

Report ID: 60-
2013



Interpretation

Beekeepers who treated with antibiotics did not report losing more or less colonies than those who did not report treating with antibiotics.

Survey Question

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

- Terramycin
- 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
Terramycin	Product Used	311	249,295	801.6	261.5	39.2 [35.8,42.7]

	Product Not Used	3,473	307,884	88.7	14.5	43.7 [42.5,44.9]
Tylan	Product Used	99	248,688	2512.0	797.4	39.0 [33.4,44.6]
	Product Not Used	3,685	308,491	83.7	13.7	43.4 [42.3,44.6]

Comments About This Data

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Funded By:



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

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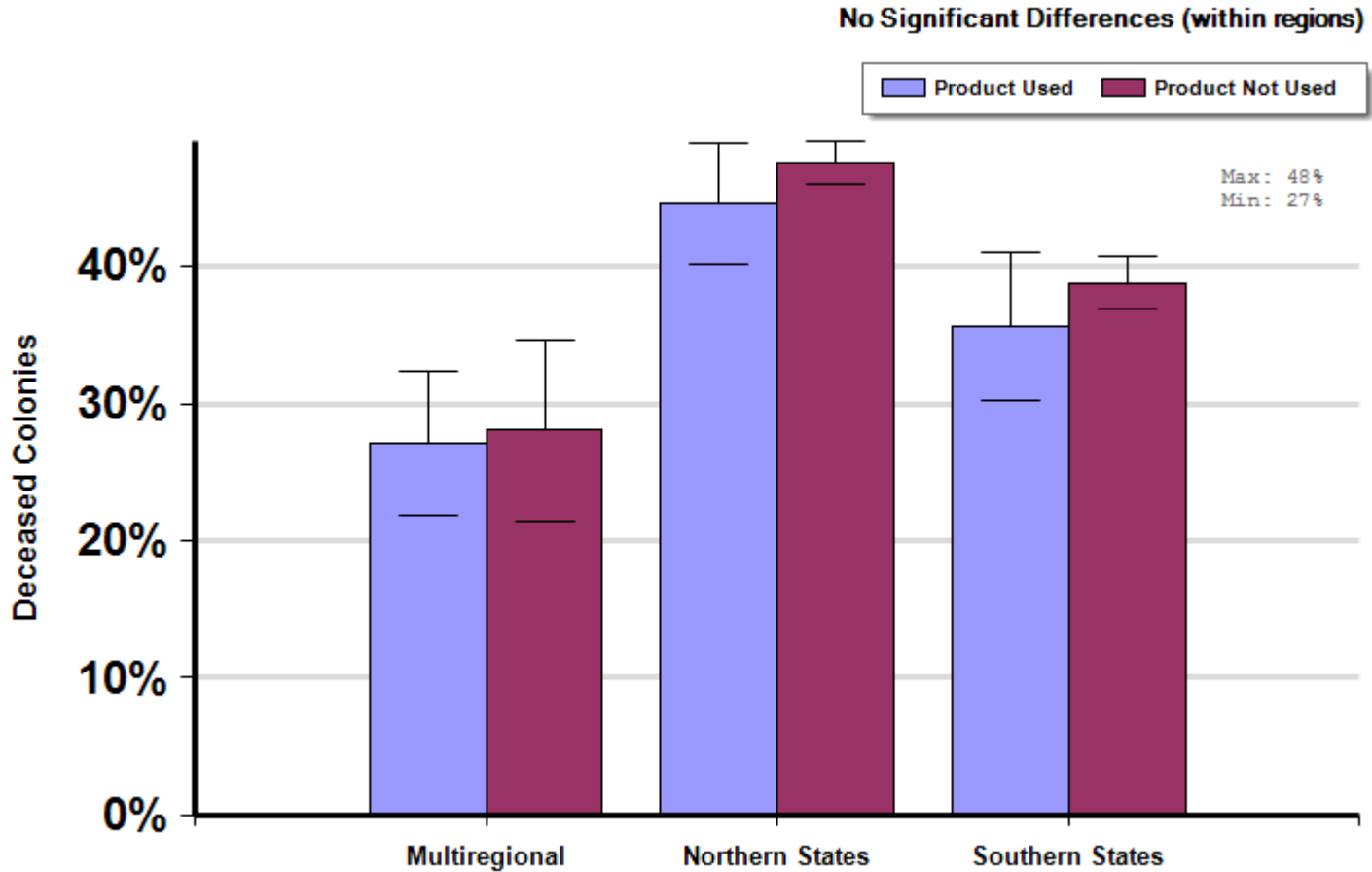
Antibiotic Use By Region

Management Survey 2013

Winter

Report ID: 48-2013

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.



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, 2012 and March, 2013?

		Total Number of Respondents Providing	Total Number of Colonies Managed	Average Number of Colonies Managed	Average Colony Loss

		Valid Responses				Mean(%) [Lower, Upper] CI
				Mean	Standard Error	
Multiregional	Product Used	62	328,508	5298.5	1296.8	27.1 [21.9,32.4]
	Product Not Used	66	100,916	1529.0	405.5	28.0 [21.5,34.6]
Northern States	Product Used	219	14,751	67.4	19.3	44.5 [40.2,48.9]
	Product Not Used	2,109	32,756	15.5	3.6	47.5 [46.0,49.0]
Southern States	Product Used	109	46,554	427.1	138.8	35.6 [30.2,41.0]
	Product Not Used	1,188	24,642	20.7	4.4	38.8 [36.8,40.8]

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