



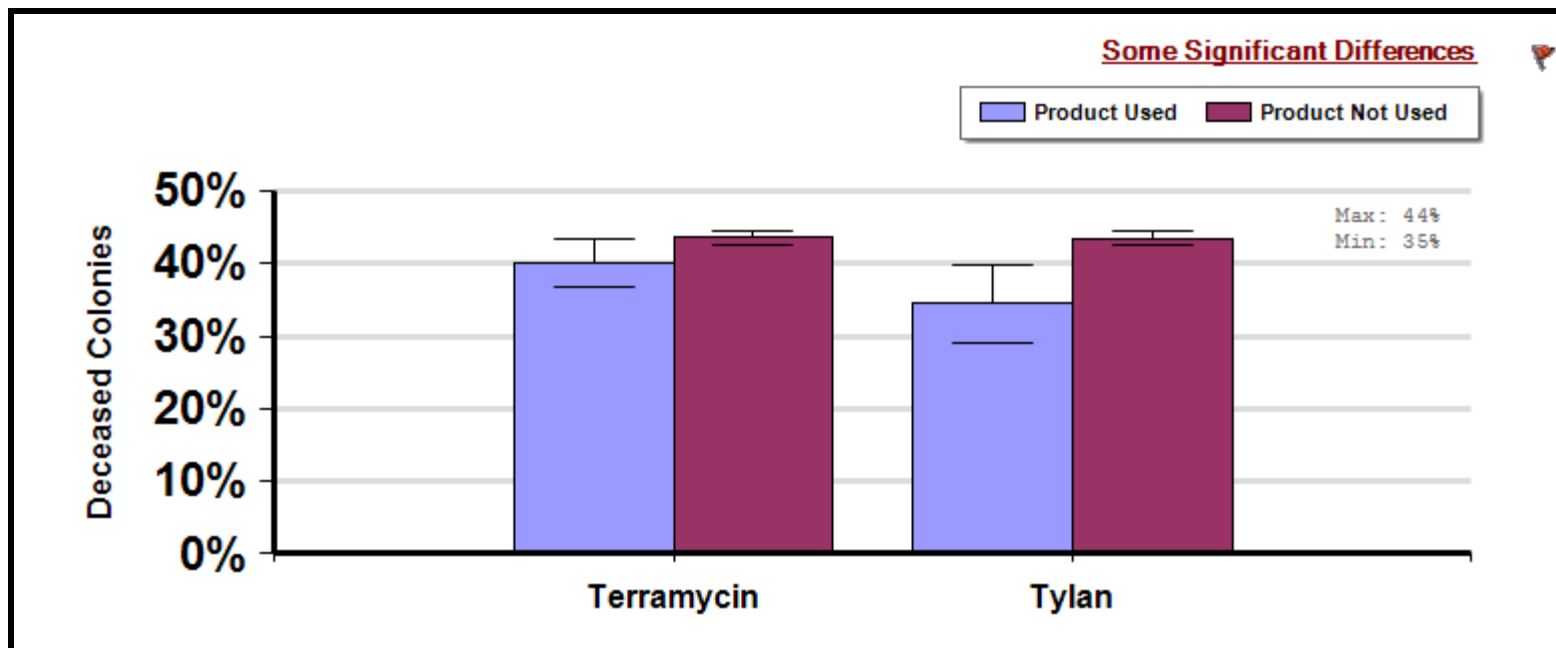
# Antibiotic Use By Product

Management  
Survey 2014

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-  
2014



## Interpretation

Beekeepers who treated with Tylan antibiotics reporting losing 9 fewer overwintering colony deaths per 100 managed colonies than those who did not report treating with antibiotics. In other words, beekeepers who reported treating with Tylan antibiotics lost 20.7% fewer colonies than the ones who did not report treating with any known antibiotic product. There is no significant difference between the Terramycin 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
Terramycin	Product Used	400	322, 334	805.8	204.4	40.1 [36.8, 43.3]

	Product Not Used	5,221	204,255	39.1	6.5	43.6 [42.6,44.6]
Tylan	Product Used	110	333,154	3028.7	720.2	34.5 [29.2,39.9]
	Product Not Used	5,511	193,435	35.1	5.3	43.5 [42.5,44.5]

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## Comments About This Data

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## Relevant Links, References, and Citations

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