



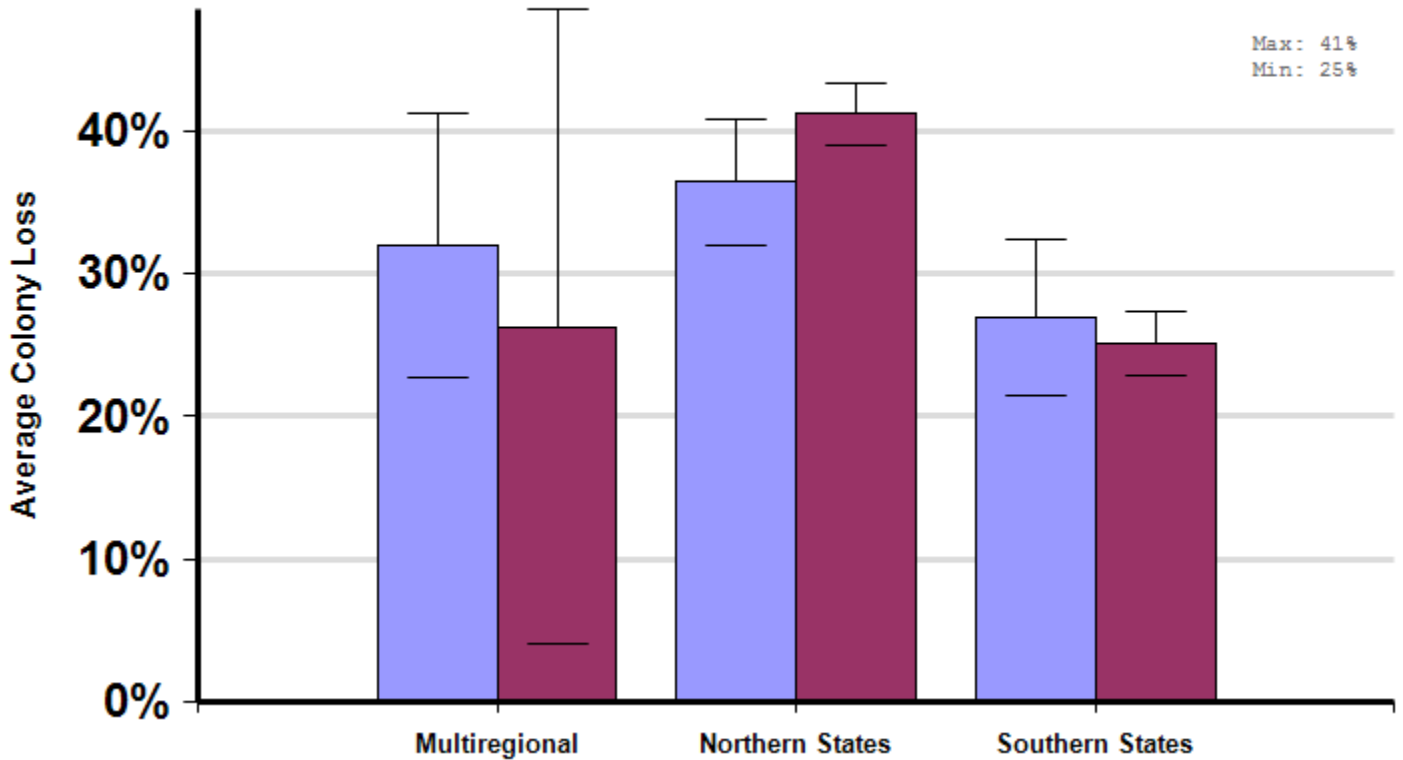
# Antibiotic Use By Region

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 2010 and March 2011 by region of operation

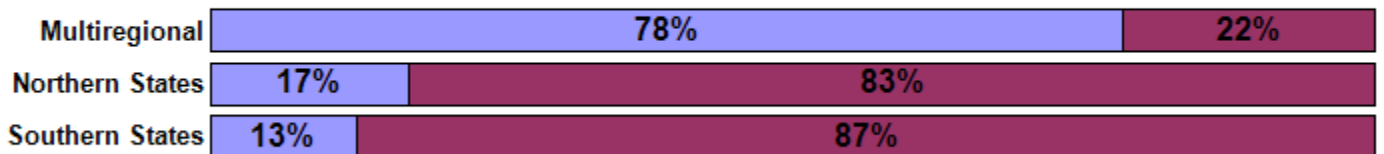
## Winter

Report ID: 48

No Significant Differences (within regions)



## Respondent Ratio



## Interpretation

No difference between groups

## Survey Question

19. For the products listed below, indicate in which months you applied the product to a majority of your colonies.  
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 95% CI	Upper 95% CI
Multiregional	Product Used	29	92,910	3203.8	694.9	32.0	22.7	41.3
	Product Not Used	8	7,460	932.5	763.7	26.3	4.1	48.6
Northern States	Product Used	232	9,817	42.3	16.5	36.5	32.1	40.9
	Product Not Used	1,130	10,318	9.1	0.9	41.2	39.0	43.4
Southern States	Product Used	117	27,900	238.5	109.8	26.9	21.4	32.4
	Product Not Used	811	10,292	12.7	2.6	25.1	22.9	27.3

### Comments About This Data

Low response among multiregional operations makes comparisons in this group difficult to interpret.

### Relevant Links, References, and Citations

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