



Carbohydrate Feed Use By Region

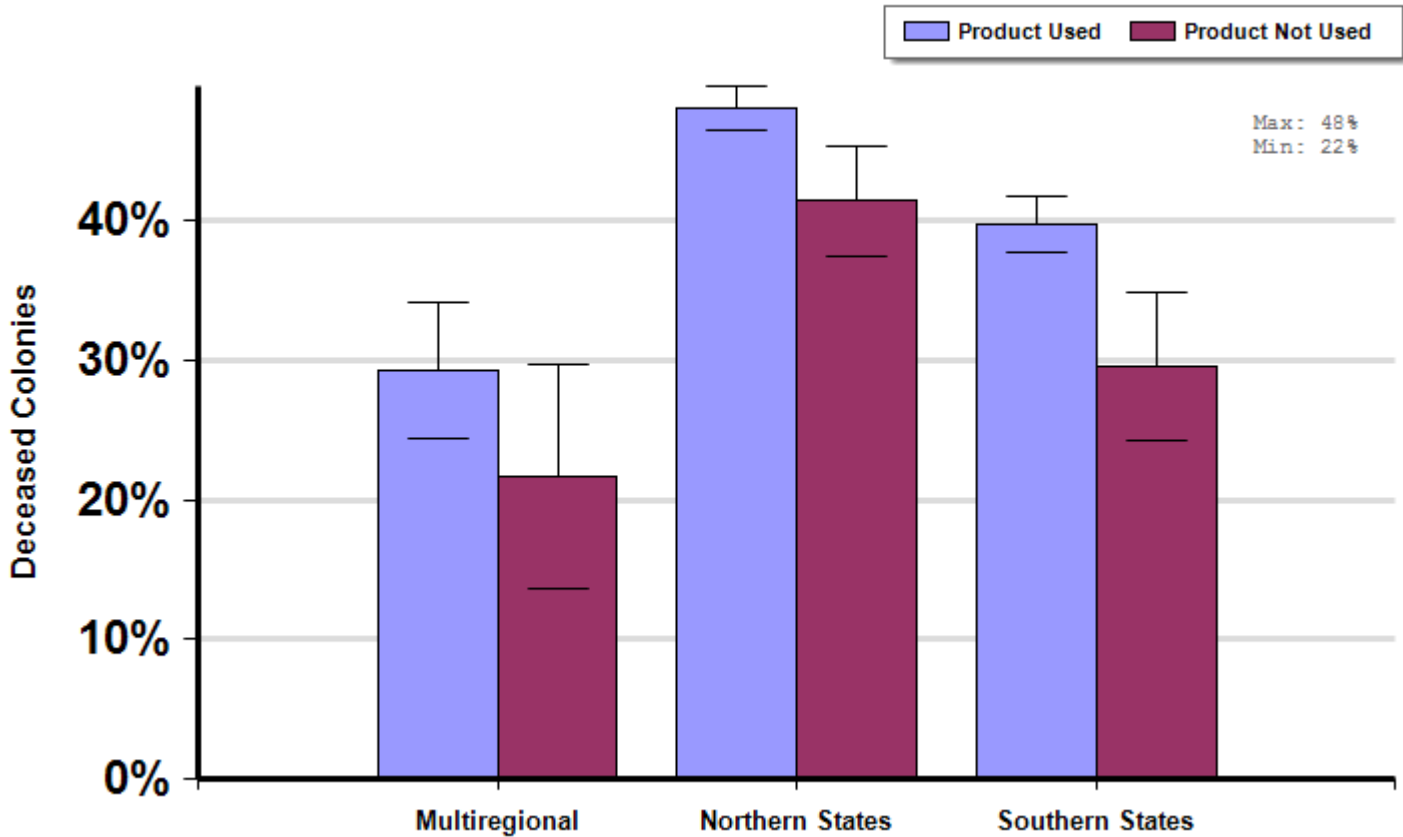
Management Survey 2013

Winter

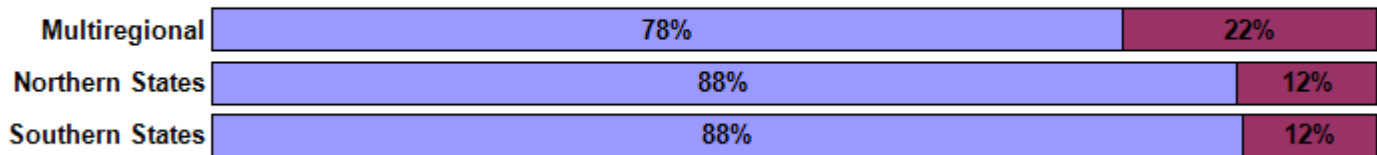
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A comparison of average winter colony mortality among beekeepers who reported they fed or did not feed carbohydrates to a majority of their colonies, at least once, between April and March by region of operation.

Some Significant Differences (within regions)



Respondent Ratio



Interpretation

There are some significant differences between groups in the Northern and Southern States. Beekeepers in the North and South who fed some form of carbohydrate feed lost fewer colonies than those beekeepers in the North and South who applied no carbohydrate feed. Those in the North who fed carbohydrates reported 6.6 fewer overwintering colony deaths per 100 managed colonies (13.8% fewer losses) and those in the South who fed carbohydrates reported 10.2 fewer overwintering colony deaths per 100 managed colonies (25.7% fewer losses) than those who did not report feeding their colonies with carbohydrates. There was no statistical difference for those beekeepers who were in several regions.

Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April 1, 2012 and March, 2013?

- Candy
- Dry sugar
- High Fructose Corn Syrup (HFCS)
- Honey
- Sugar sugar

		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	100	327,370	3273.7	828.2	29.3 [24.3,34.2]
	Product Not Used	28	102,054	3644.8	980.4	21.7 [13.7,29.7]
Northern States	Product Used	2,045	38,020	18.6	4.1	48.0 [46.5,49.6]
	Product Not Used	283	9,487	33.5	7.1	41.4 [37.5,45.3]
Southern States	Product Used	1,147	67,702	59.0	14.3	39.7 [37.7,41.7]
	Product Not Used	150	3,494	23.3	5.7	29.5 [24.3,34.8]

Comments About This Data

Relevant Links, References, and Citations

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