



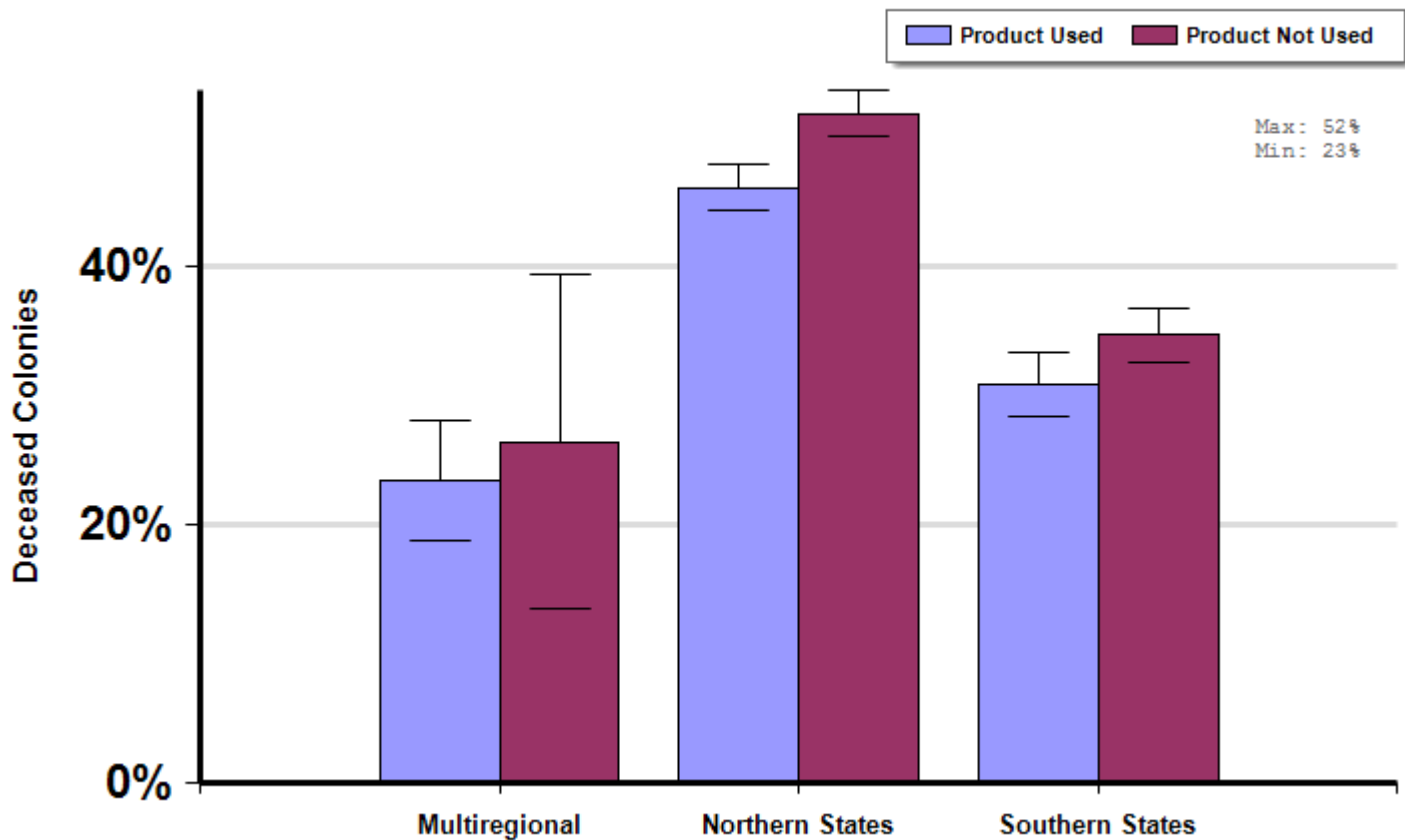
Protein Feed Use By Region

A comparison of winter mortality among those who indicated they did feed and those who did not feed a majority of their colonies, at least once between April and March, with a protein feed by region of operation. Protein feed included: Self-made protein feed containing pollen, Self-made protein feed without real pollen, Bee Pro, MegaBee, Global Patties, and other Commercial protein feeds.

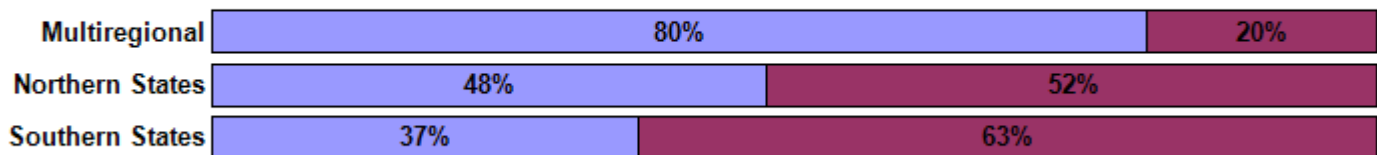
Winter

Report ID: 158-2014

Some Significant Differences (within regions)



Respondent Ratio



Interpretation

Northern beekeepers who fed the majority of their colonies with a protein feed reported 5.7 less overwintering colony deaths per 100 managed colonies than those who did not feed the majority of their colonies with a protein feed. In other words, beekeepers in the northern states who fed their colonies protein lost 11% less colonies than those who did not feed their colonies with protein. Beekeepers who manage colonies across regions or in the southern states did not suffer fewer or greater losses based on their use of protein feed.

Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April 1, 2013 and March, 2014?

- Self-made protein feed containing pollen
- Self-made protein feed without real pollen
- Bee Pro
- MegaBee
- Global Patties
- Other commercial protein feeds

		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	81	337,381	4165.2	918.4	23.4 [18.7, 28.1]
	Product Not Used	20	61,969	3098.5	1217.8	26.4 [13.4, 39.4]
Northern States	Product Used	1,712	25,800	15.1	2.7	46.1 [44.3, 47.9]
	Product Not Used	1,882	17,295	9.2	1.2	51.8 [50.1, 53.6]
Southern States	Product Used	645	31,649	49.1	15.8	30.8 [28.4, 33.3]
	Product Not Used	1,116	37,442	33.6	15.5	34.6 [32.5, 36.8]

Comments About This Data

Relevant Links, References, and Citations

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