



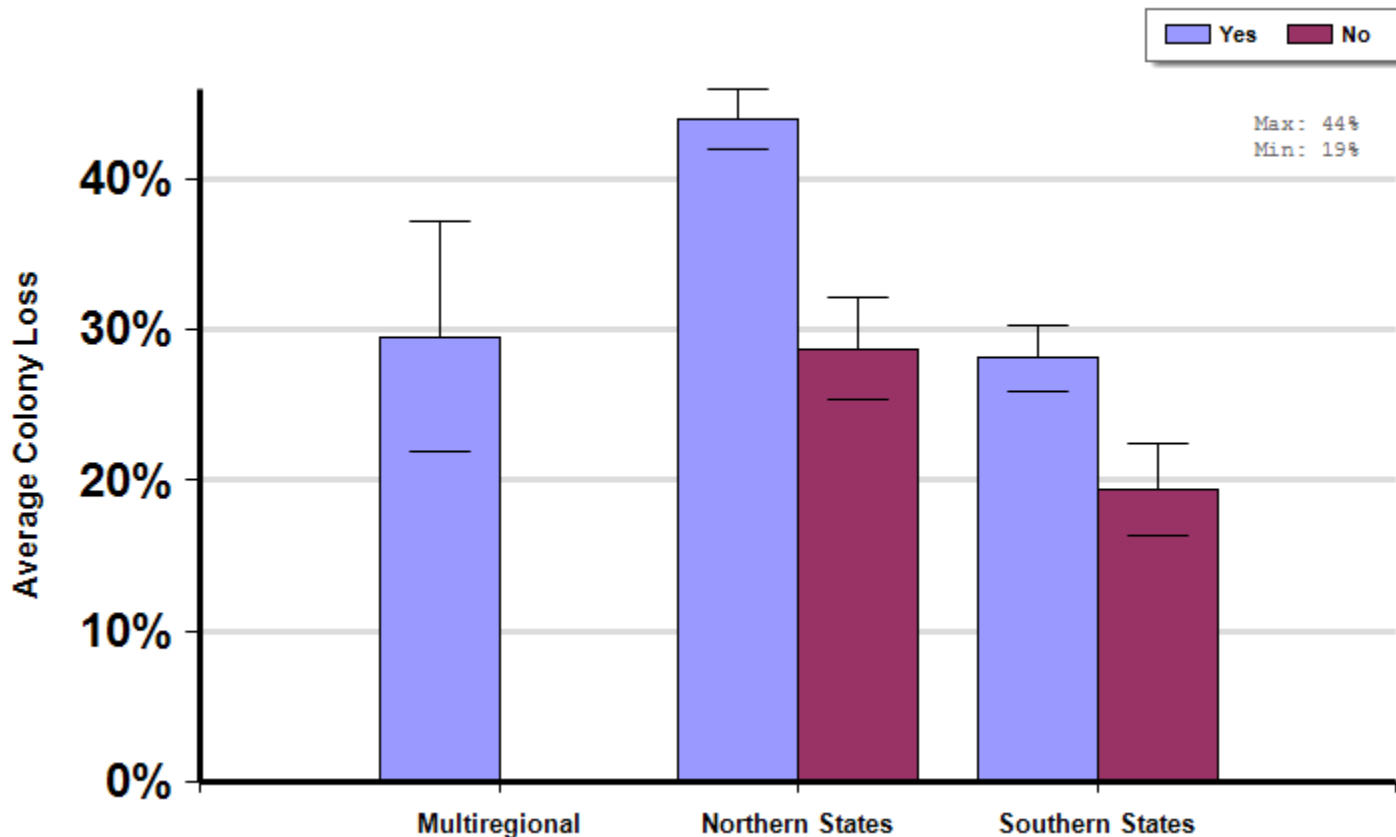
Brood Comb Reuse By Region

Average winter colony mortality suffered by beekeepers who did or did not reuse any old brood comb in their colonies, by region of operation.

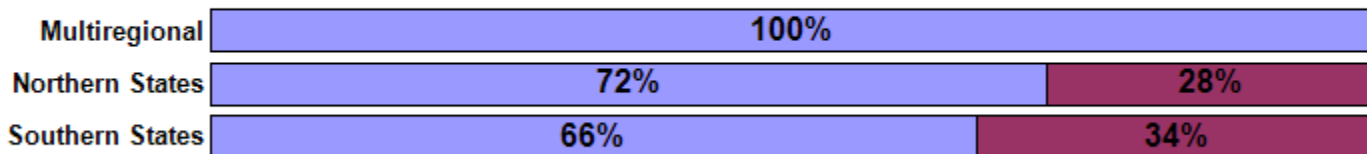
Winter

Report ID: 77

Some Significant Differences (within regions)



Respondent Ratio



Interpretation

In both northern and southern states, beekeepers who reported reusing old brood comb in their colonies reported losing more colonies than those who did not.

Survey Question

45. Between 1 April 2010 and 1 April 2011, before you re-used brood comb that you had taken out of production or purchased did you? Check all that apply.

- I did not reuse any old brood comb
- Cull any particularly old or bad combs and replace them
- Irradiate the comb
- Fumigate the comb with acetic acid

Freeze the comb
 Store the comb with paradichlorobenzene crystals (moth balls)
 Did not treat the comb in any particular way
 Other (please specify)

| | | 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 | Yes | 40 | 197,564 | 4939.1 | 2129.4 | 29.6 | 21.9 | 37.3 |
| Northern States | Yes | 1,265 | 22,200 | 17.5 | 3.2 | 44.0 | 42.0 | 46.0 |
| | No | 497 | 1,842 | 3.7 | 0.3 | 28.7 | 25.3 | 32.2 |
| Southern States | Yes | 779 | 40,829 | 52.4 | 17.0 | 28.1 | 26.0 | 30.3 |
| | No | 405 | 2,078 | 5.1 | 0.6 | 19.4 | 16.3 | 22.4 |

Comments About This Data

We did not collect data on what proportion of the colonies within operations received reused combs, nor did we collect data on why beekeepers re-used comb. We plan to gather additional information in future years.

Relevant Links, References, and Citations

Funded By:



United States
 Department of
 Agriculture

National Institute
 of Food
 and Agriculture

This information is for educational purposes only. 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.