



Drone Brood Removal By Region

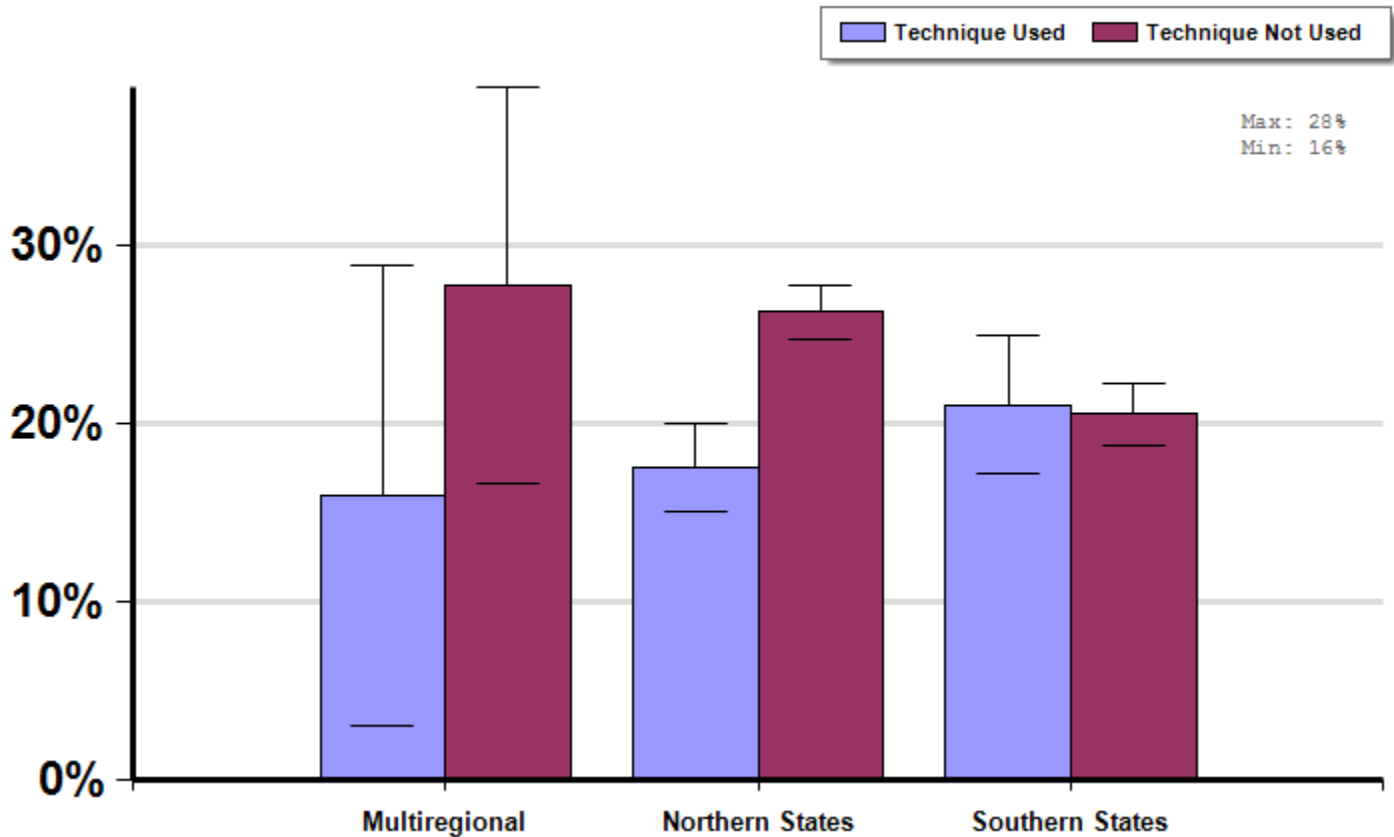
Management Survey 2012

Average winter colony mortality suffered by beekeepers who employed drone comb removal between April, 2011 and March, 2012 by region of operation.

Winter

Report ID: 107-2012

Some Significant Differences (within regions)



Respondent Ratio



Interpretation

Beekeepers in northern states who reported employing the technique of drone brood removal reported 8.7 fewer colony deaths per 100 managed colonies than those who did not report using drone comb removal. In other words, beekeepers who reported removing drone comb lost 33.3% fewer colonies than those who did not report treating with any drone brood removal.

Survey Question

Over the last year, did you employ any of the IPM practices/equipment listed below?

- Drone comb removal
- Small cell size comb

- Small hive beetle trap
- Screened bottom board

| | | 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 | Technique Used | 9 | 16,472 | 1830.2 | 1650.4 | 16.0 | 3.1 | 28.9 |
| | Technique Not Used | 27 | 17,124 | 634.2 | 591.3 | 27.7 | 16.6 | 38.8 |
| Northern States | Technique Used | 363 | 12,615 | 34.8 | 12.2 | 17.5 | 15.0 | 19.9 |
| | Technique Not Used | 1,687 | 85,082 | 50.4 | 16.6 | 26.2 | 24.6 | 27.7 |
| Southern States | Technique Used | 187 | 7,364 | 39.4 | 23.2 | 21.0 | 17.1 | 24.8 |
| | Technique Not Used | 1,018 | 28,362 | 27.9 | 8.6 | 20.5 | 18.8 | 22.2 |

Comments About This Data

Relevant Links, References, and Citations

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