



# Winter Preparation By Region

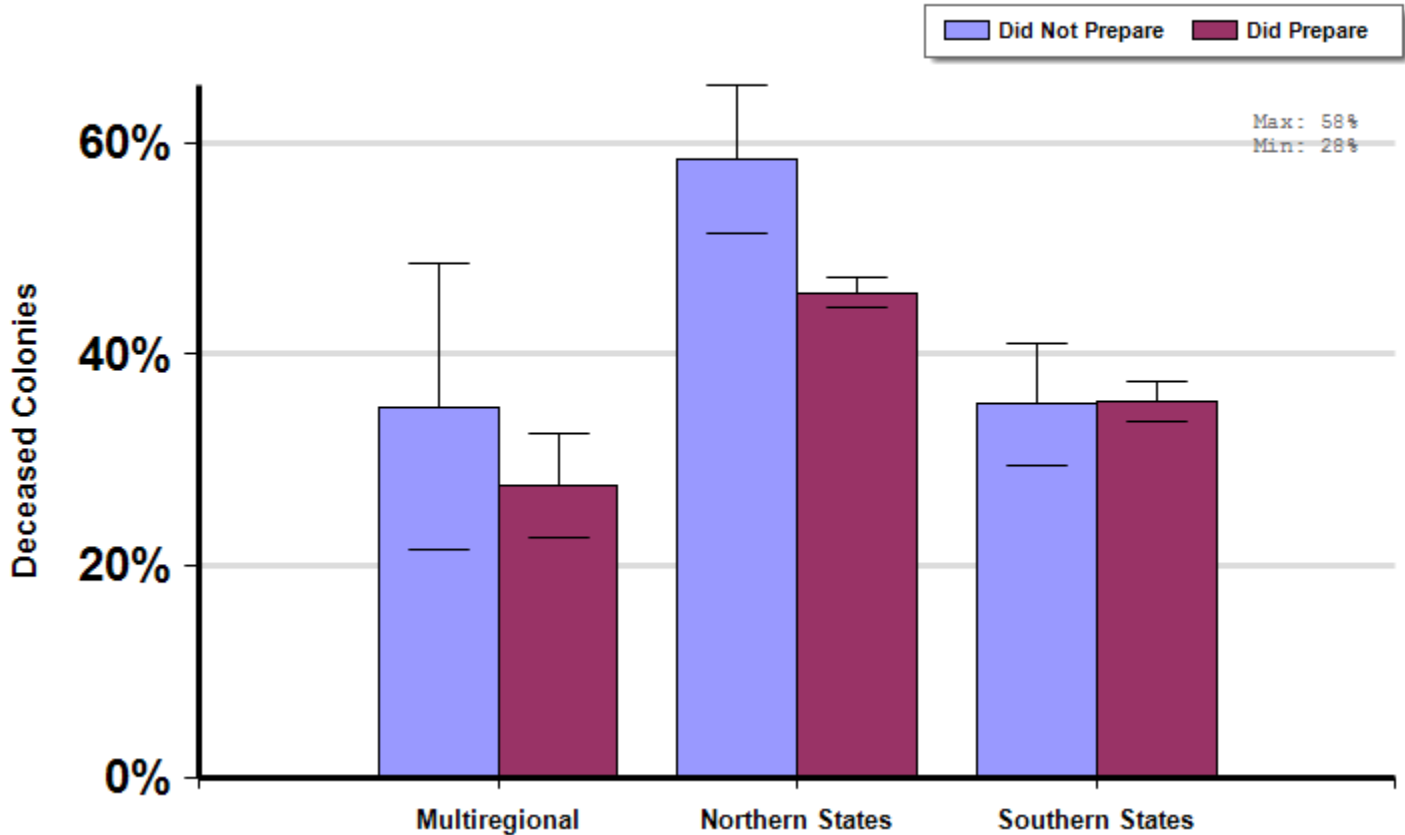
Management Survey 2015

Average losses suffered by beekeepers who did and did not prepare their colonies between April and March for winter by region.

## Winter

Report ID: 203-2015

**Some Significant Differences (within regions)**



## Respondent Ratio



## Interpretation

Northern beekeepers who prepared their operations for winter lost 12.6 fewer overwintering colonies per 100 managed colonies (21.6% fewer losses) than beekeepers who did not prepare their colonies for winter.

## Survey Question

Did you do any of the following to prepare for this last winter (2013-2014)?

- Create or engage an upper entrance
- Wrap colonies with insulation
- Wrap colonies with tar paper or wintering sleeve
- Place extra insulation on top of colony

- Equalize colony strength
- Move colonies to southern location
- Move colonies to inside wintering buildings
- I do not prepare my colonies for winter

|                 |                 | 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   | Did Not Prepare | 22  | 1,649                            | 75.0                               | 39.8           | 35.1 [21.5,48.6]          |
|                 | Did Prepare     | 111   | 234,535                          | 2112.9                             | 638.6          | 27.6 [22.8,32.5]          |
| Northern States | Did Not Prepare | 124   | 758                              | 6.1                                | 1.2            | 58.4 [51.4,65.4]          |
|                 | Did Prepare     | 2,717   | 47,323                           | 17.4                               | 4.1            | 45.8 [44.5,47.2]          |
| Southern States | Did Not Prepare | 154   | 1,911                            | 12.4                               | 3.9            | 35.3 [29.5,41.0]          |
|                 | Did Prepare     | 1,254   | 53,947                           | 43.0                               | 16.2           | 35.5 [33.7,37.4]          |

## Comments About This Data

### Relevant Links, References, and Citations

Funded By:



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Department of  
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