



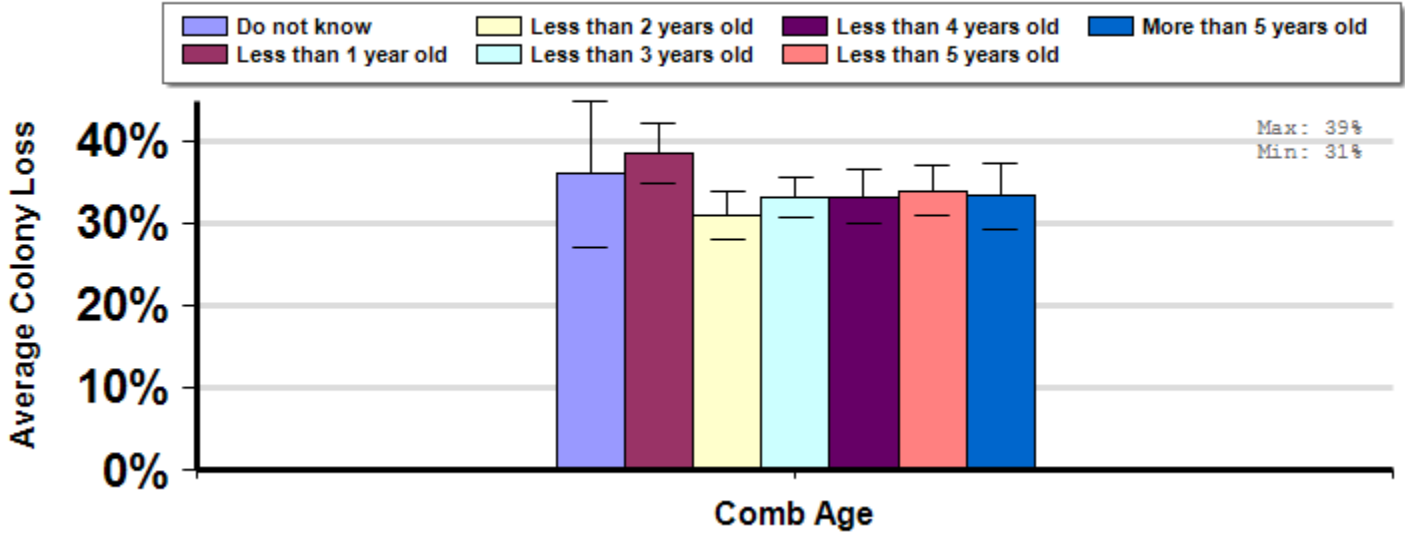
Average Brood Comb Age

Average winter colony mortality suffered by beekeepers who kept bees in colonies with brood comb of different ages.

Winter

Report ID: 143

Some Significant Differences



Respondent Ratio



Interpretation

Beekeepers who kept bees in colonies where the average age of the brood comb in their operation was less than 1 year old, lost on average 7.5 more colonies per hundred when compared to beekeepers who managed bees in colonies where the average age of the brood comb in their operation was between 1 and 2 years old.

Survey Question

30. On average, how old is the brood comb in your colonies?
- More than 5 years old
 - Less than 5 years old
 - Less than 4 years old
 - Less than 3 years old
 - Less than 2 years old
 - Less than 1 year old
 - Don't know

| | | 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 |
| Comb Age | Do not know | 77 | 8,240 | 107.0 | 99.0 | 36.1 | 27.2 | 44.9 |
| | Less than 1 year old | 504 | 1,682 | 3.3 | 0.3 | 38.6 | 34.9 | 42.3 |
| | Less than 2 years old | 622 | 3,543 | 5.7 | 0.4 | 31.1 | 28.2 | 33.9 |
| | Less than 3 years old | 733 | 36,271 | 49.5 | 26.5 | 33.3 | 30.8 | 35.8 |
| | Less than 4 years old | 409 | 8,428 | 20.6 | 6.6 | 33.3 | 30.0 | 36.6 |
| | Less than 5 years old | 448 | 22,271 | 49.7 | 13.8 | 34.1 | 31.1 | 37.1 |
| | More than 5 years old | 218 | 188,772 | 865.9 | 401.3 | 33.5 | 29.4 | 37.5 |

Comments About This Data

This survey is not designed to understand the reason for differences, so we cannot say if the increased mortality recorded in those that kept bees on comb less than a year old is due to some underlying biology (i.e. old comb is somehow better for bees) or some other correlated factor (i.e. new beekeepers are more likely to have new comb and have increased winter mortality).

Relevant Links, References, and Citations

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