



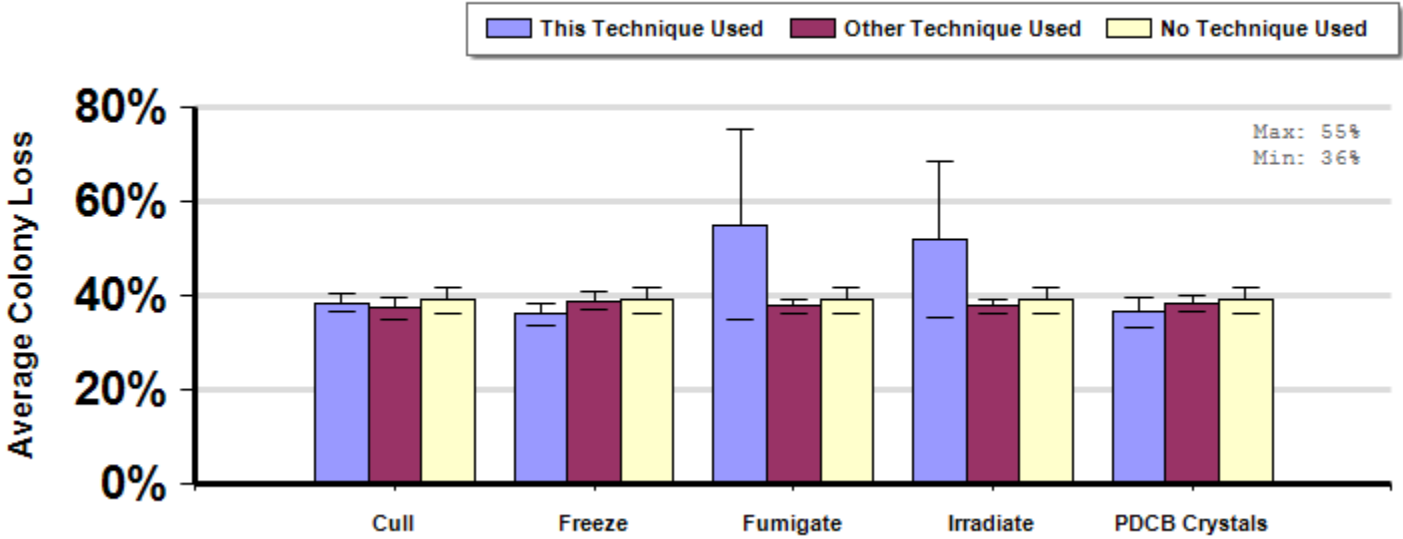
Brood Comb Treatment Before Reuse

Average winter colony mortality suffered by beekeepers who treated brood comb differently before re-using them.

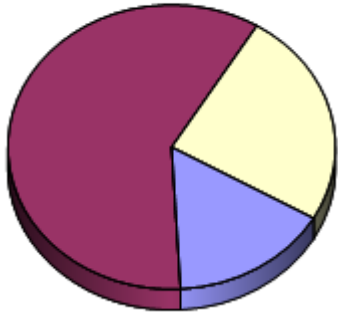
Winter

Report ID: 74

No Significant Differences



Respondent Ratio



Interpretation

There was no difference between groups.

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
 - 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
Cull	This Technique Used	1,106	212,637	192.3	80.5	38.4	36.4	40.3
	Other Technique Used	1,004	52,977	52.8	17.4	37.3	35.1	39.6
	No Technique Used	689	49,356	71.6	24.4	39.0	36.2	41.7
Freeze	This Technique Used	687	23,678	34.5	13.4	35.9	33.4	38.5
	Other Technique Used	1,423	241,936	170.0	63.4	38.8	37.0	40.6
	No Technique Used	689	49,356	71.6	24.4	39.0	36.2	41.7
Fumigate	This Technique Used	17	4,869	286.4	268.4	55.0	34.9	75.2
	Other Technique Used	2,093	260,745	124.6	43.3	37.7	36.3	39.2
	No Technique Used	689	49,356	71.6	24.4	39.0	36.2	41.7
Irradiate	This Technique Used	22	5,642	256.5	226.6	52.0	35.4	68.6
	Other Technique Used	2,088	259,972	124.5	43.4	37.7	36.2	39.2
	No Technique Used	689	49,356	71.6	24.4	39.0	36.2	41.7
PDCB Crystals	This Technique Used	378	21,010	55.6	20.7	36.5	33.2	39.7
	Other Technique Used	1,732	244,604	141.2	52.2	38.2	36.5	39.9
	No Technique Used	689	49,356	71.6	24.4	39.0	36.2	41.7

Comments About This Data

The number of beekeepers who fumigated comb with acetic acid or reportedly irradiated comb before reuse was small so caution must be used when drawing inferences from these data.

We did not collect data on what proportion of the colonies within operations received reused combs, nor did we collect data on the exact methods by which combs were treated, nor how long the re-used combs were stored. We plan to gather additional information in future years.

Relevant Links, References, and Citations

Funded By:



United States

National Institute

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.