



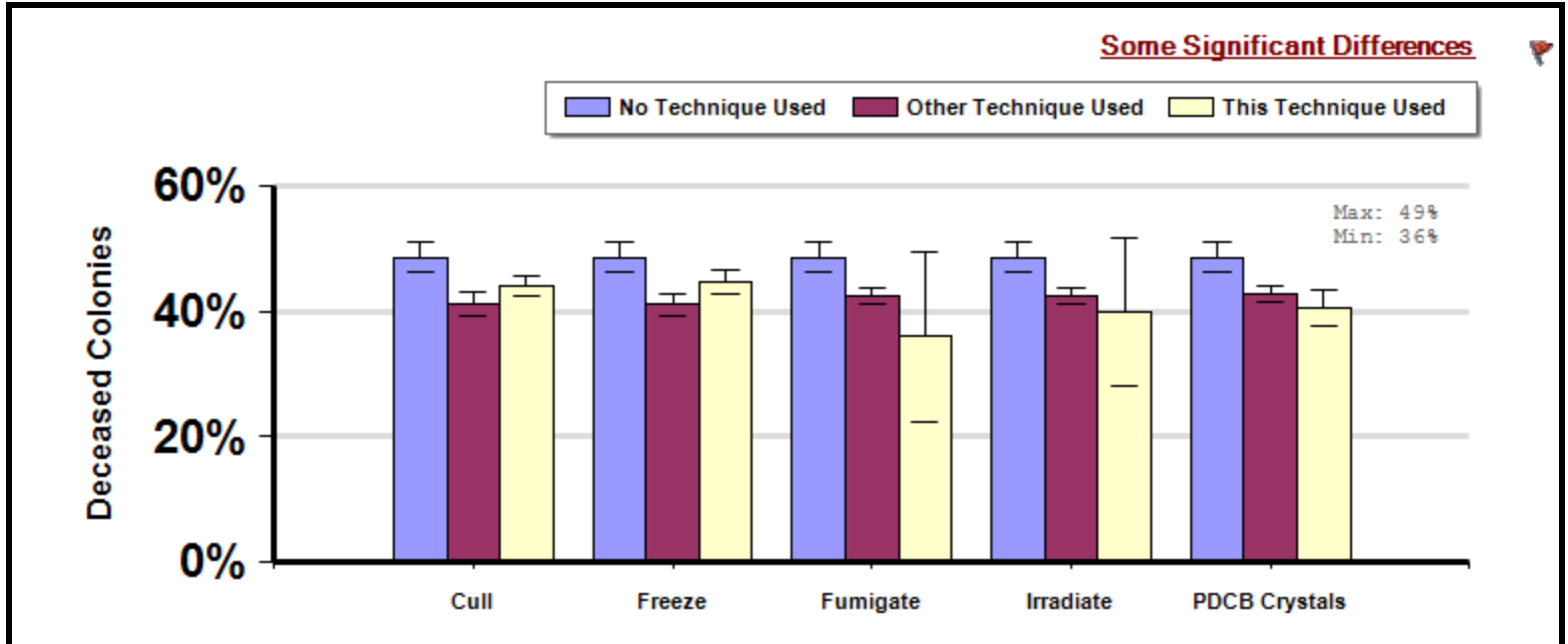
Brood Comb Treatment Before Reuse

Management Survey 2013

Average winter colony mortality reported by beekeepers who treated brood comb differently before re-using them between April and March.

Winter

Report ID: 74-2013



Interpretation

Beekeepers who reported culling or using paradichlorobenzene (PDCB) crystals reported losing fewer colonies than those who did not use those techniques. Those who culled their brood comb before reuse reported 4.4 fewer overwintering colony deaths per 100 managed colonies (9.1% fewer losses) than those who did not report treating their brood comb in any particular way. Beekeepers who treated their brood comb with PDCB crystals saw 8.1 fewer colony deaths per 100 managed colonies (16.7% fewer losses).

Survey Question

Between April, 2012 and March, 2013, 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	Total Number of Colonies Managed	Average Number of Colonies Managed	Average Colony Loss
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		Valid Responses				
				Mean	Standard Error	Mean(%) [Lower, Upper] CI
Cull	No Technique Used	822	98,042	119.3	36.3	48.6 [46.3,51.0]
	Other Technique Used	1,538	54,122	35.2	12.5	41.1 [39.2,43.0]
	This Technique Used	1,534	399,829	260.6	58.1	44.2 [42.6,45.8]
Freeze	No Technique Used	822	98,042	119.3	36.3	48.6 [46.3,51.0]
	Other Technique Used	1,759	313,848	178.4	46.2	41.1 [39.4,42.8]
	This Technique Used	1,209	119,539	98.9	33.4	44.6 [42.7,46.5]
Fumigate	No Technique Used	822	98,042	119.3	36.3	48.6 [46.3,51.0]
	Other Technique Used	2,912	401,903	138.0	30.3	42.4 [41.1,43.6]
	This Technique Used	27	41,191	1525.6	852.4	36.0 [22.4,49.6]
Irradiate	No Technique Used	822	98,042	119.3	36.3	48.6 [46.3,51.0]
	Other Technique Used	2,911	417,632	143.5	31.1	42.3 [41.1,43.6]
	This Technique Used	26	14,905	573.3	302.4	40.0 [28.2,51.7]
PDCB Crystals	No Technique Used	822	98,042	119.3	36.3	48.6 [46.3,51.0]
	Other Technique Used	2,431	381,985	157.1	36.8	42.8 [41.4,44.2]
	This Technique Used	515	50,904	98.8	29.3	40.5 [37.7,43.3]

Comments About This Data

Relevant Links, References, and Citations



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