



# Drone Brood Removal By Region

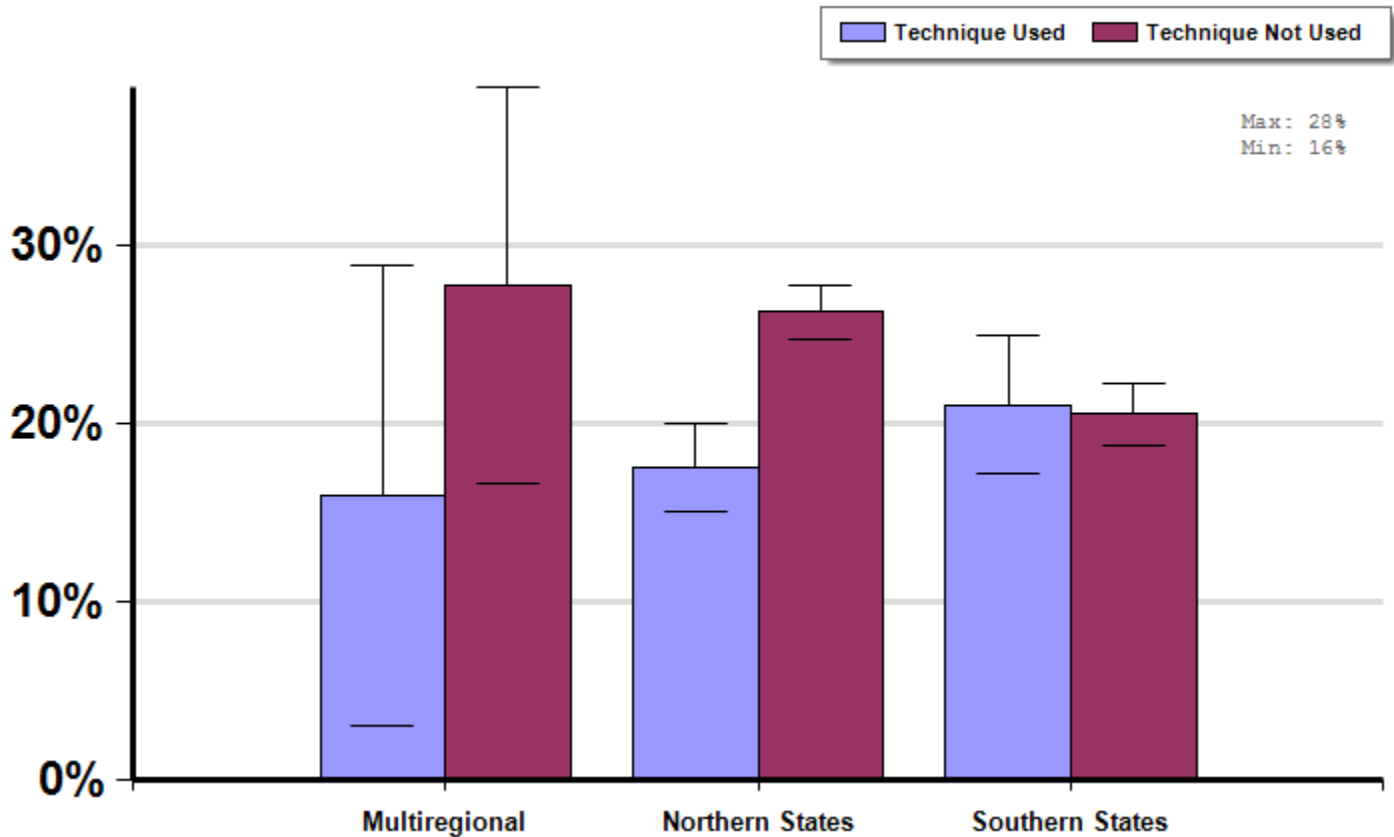
Management Survey 2012

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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