



The Bee Informed Partnership Management Survey Results (2013-2014) Nosema Control

BeeInformed.org

Funded by:



United States
Department of
Agriculture

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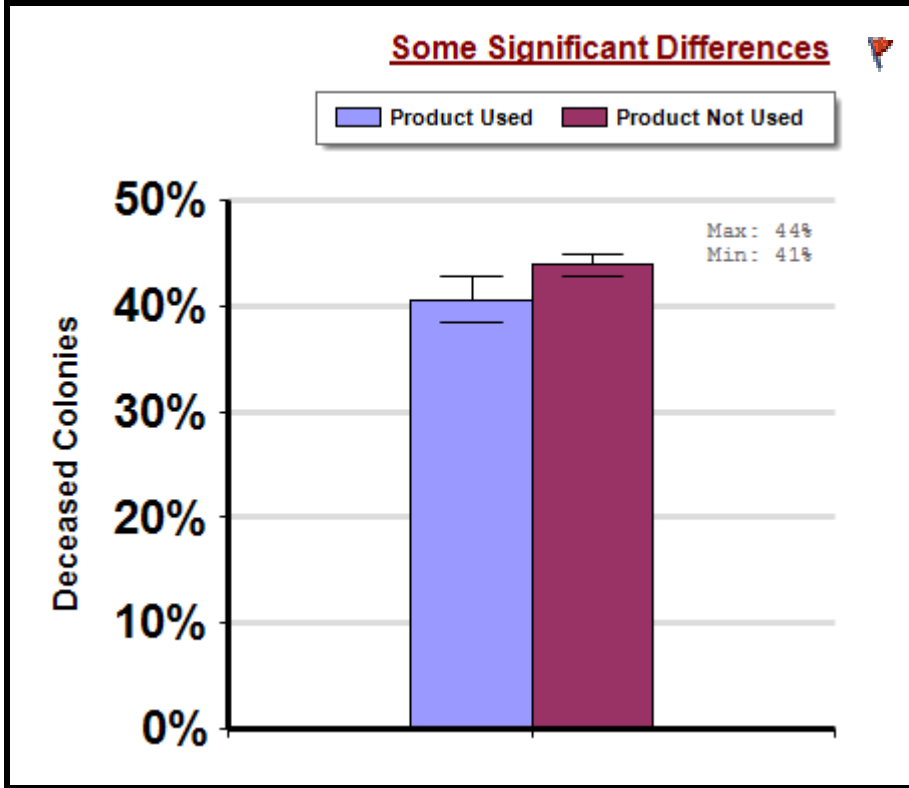


Fumagillin Use

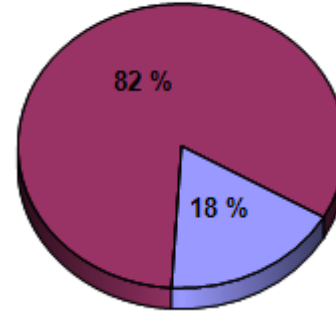
A comparison of winter mortality among those who indicated they did or did not apply Fumagillin (registered for Nosema Control), at least once, to a majority of their colonies, between April and March.

Winter

Report ID: 33-2014



Participant Ratio



Interpretation

Beekeepers who reported treating with Fumagillin reported 3.3 fewer overwintering colony deaths per 100 managed colonies than those who did not report using Fumagillin. In other words, beekeepers who reported treating with Fumagillin lost 7.5 % fewer colonies than those who did not report treating with Fumagillin.

Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April,2013 and March,2014?

-Fumagillin

		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
	Product Not Used	4,629	232,862	50.3	9.7	43.9 [42.8, 45.0]
	Product Used	992	293,727	296.1	77.9	40.6 [38.4, 42.8]

Comments About This Data

Relevant Links, References, and Citations



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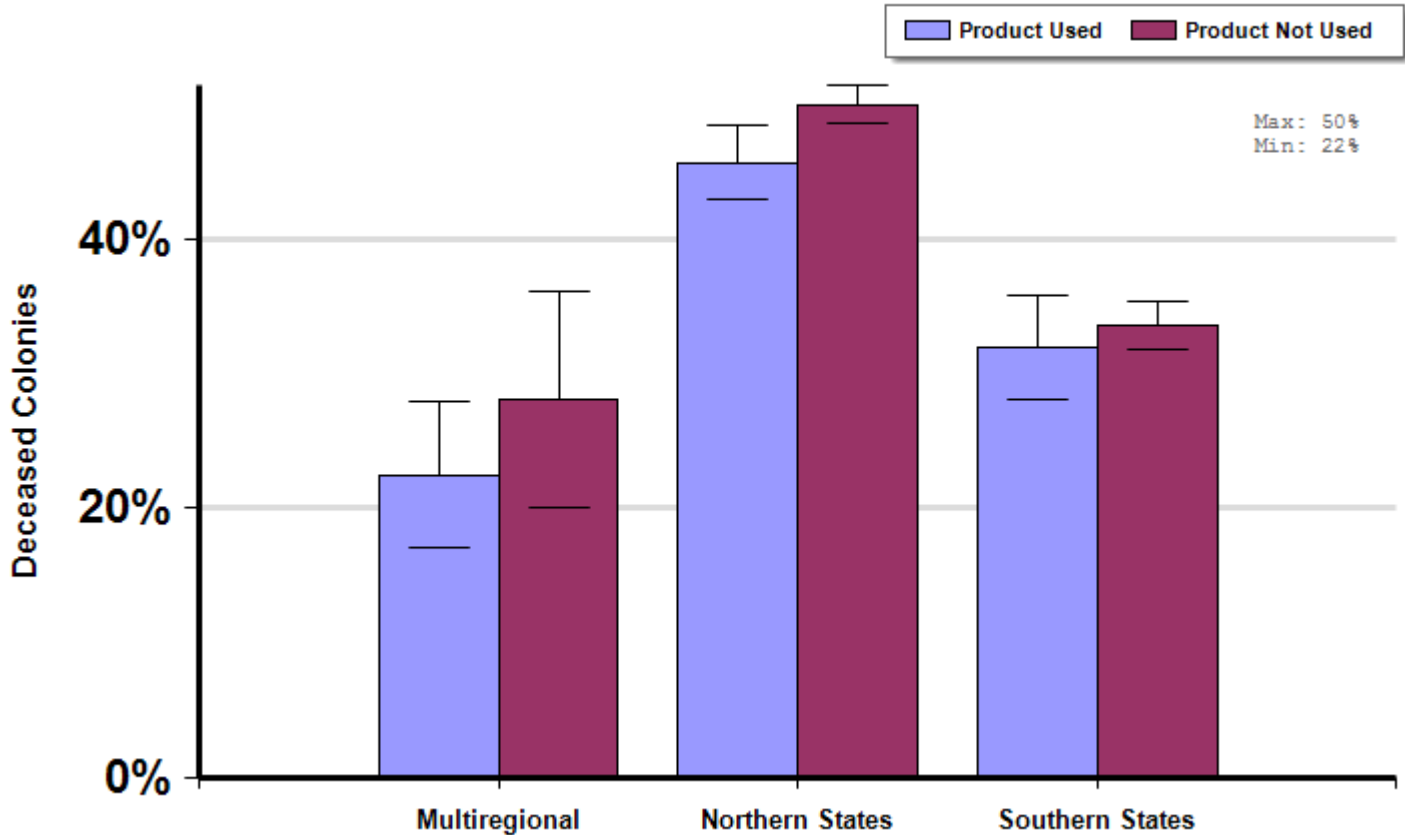
Fumagillin Use By Region

Winter

Report ID: 45-2014

A comparison of winter mortality among those who indicated they did or did not apply Fumagillin (registered for Nosema Control), at least once, to a majority of their colonies, between April and March by region of operation.

Some Significant Differences (within regions)



Respondent Ratio



Interpretation

Beekeepers in the North who treated with Fumagillin saw 4.3 fewer overwintering colony deaths per 100 managed colonies (8.6 % fewer losses) than those beekeepers in the North who did not treat with Fumagillin. There was no statistical difference for beekeepers who kept colonies in the South.

Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April,2013 and March,2014?

-Fumagillin

		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	Product Used	60	253,459	4224.3	1170.1	22.5 [17.1,27.9]
	Product Not Used	46	153,063	3327.5	767.6	28.0 [20.0,36.0]
Northern States	Product Used	671	14,555	21.7	6.7	45.7 [42.9,48.4]
	Product Not Used	2,998	29,005	9.7	0.8	50.0 [48.6,51.4]
Southern States	Product Used	258	21,919	85.0	38.3	32.0 [28.1,35.8]
	Product Not Used	1,531	47,497	31.0	11.3	33.5 [31.8,35.3]

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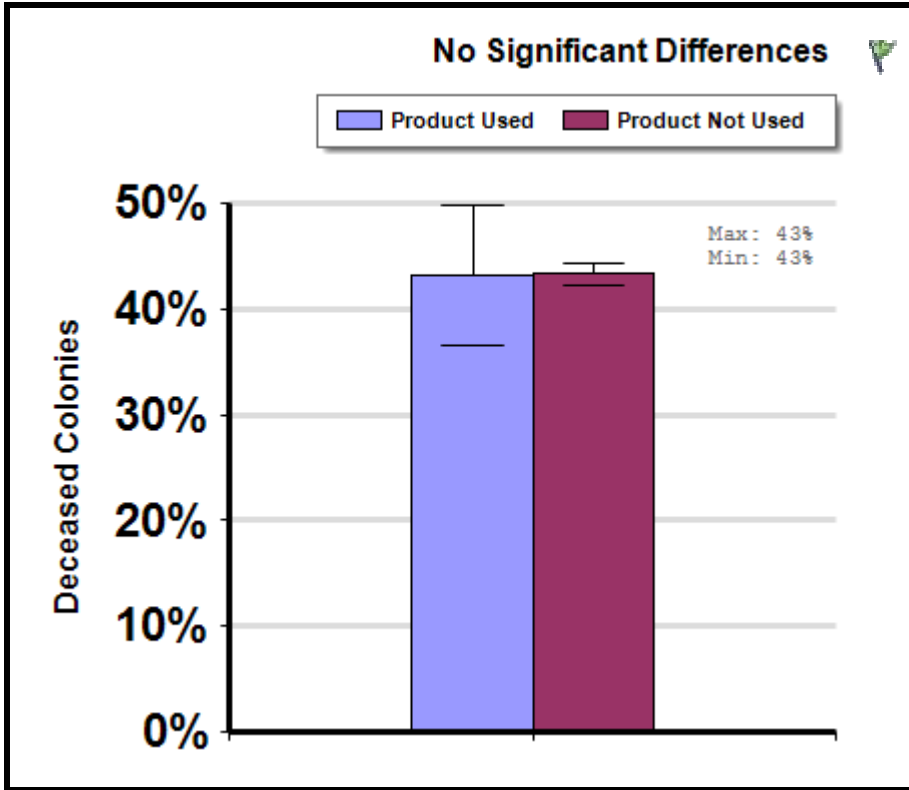
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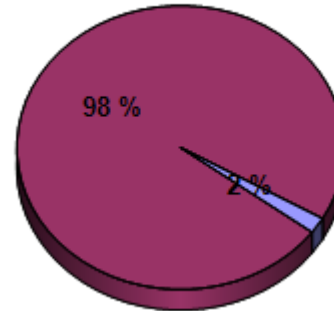
A comparison of winter mortality among those who indicated they applied or did not apply Nosevet, at least once, to a majority of their colonies between April and March.

Winter

Report ID: 243-2014



Participant Ratio



Interpretation

Beekeepers who treated with Nosevet did not report losing more or less colonies than those who did not report treating with Nosevet.

Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April 1, 2013 and March, 2014?

-Nosevet

		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
Nosevet	Product Not Used	5,518	488,095	88.5	16.1	43.3 [42.3, 44.3]
	Product Used	103	38,494	373.7	128.3	43.2 [36.6, 49.9]

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