



The Bee Informed Partnership Management Survey Results (2014-2015) Carbohydrate Feed

BeeInformed.org

Funded by:



United States
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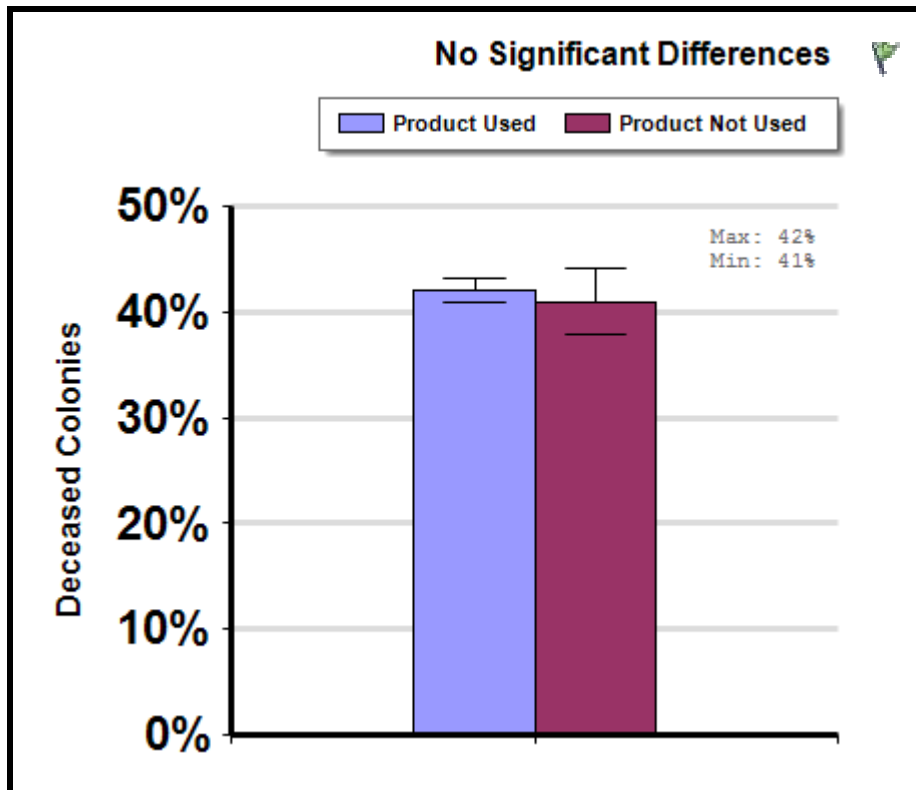
Carbohydrate Feed Use

Management Survey 2015

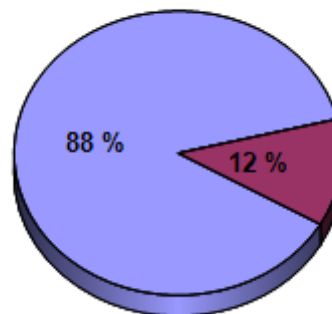
A comparison of average winter colony mortality among beekeepers who did or did not feed carbohydrates to a majority of their colonies, at least once, between April and March.

Winter

Report ID: 164-2015



Participant Ratio



Interpretation

Beekeepers who reported feeding with carbohydrates did not lose more or less colonies than those who did not report feeding with carbohydrates.

Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April 1, 2014 and March, 2015?

- Candy
- Dry sugar
- High Fructose Corn Syrup (HFCS)
- Honey
- Sugar syrup
- Wet supers

		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	571	14,904	26.1	10.0	41.0 [37.9, 44.2]
	Product Used	4,112	353,211	85.9	18.9	42.0 [40.9, 43.1]

Comments About This Data

Relevant Links, References, and Citations



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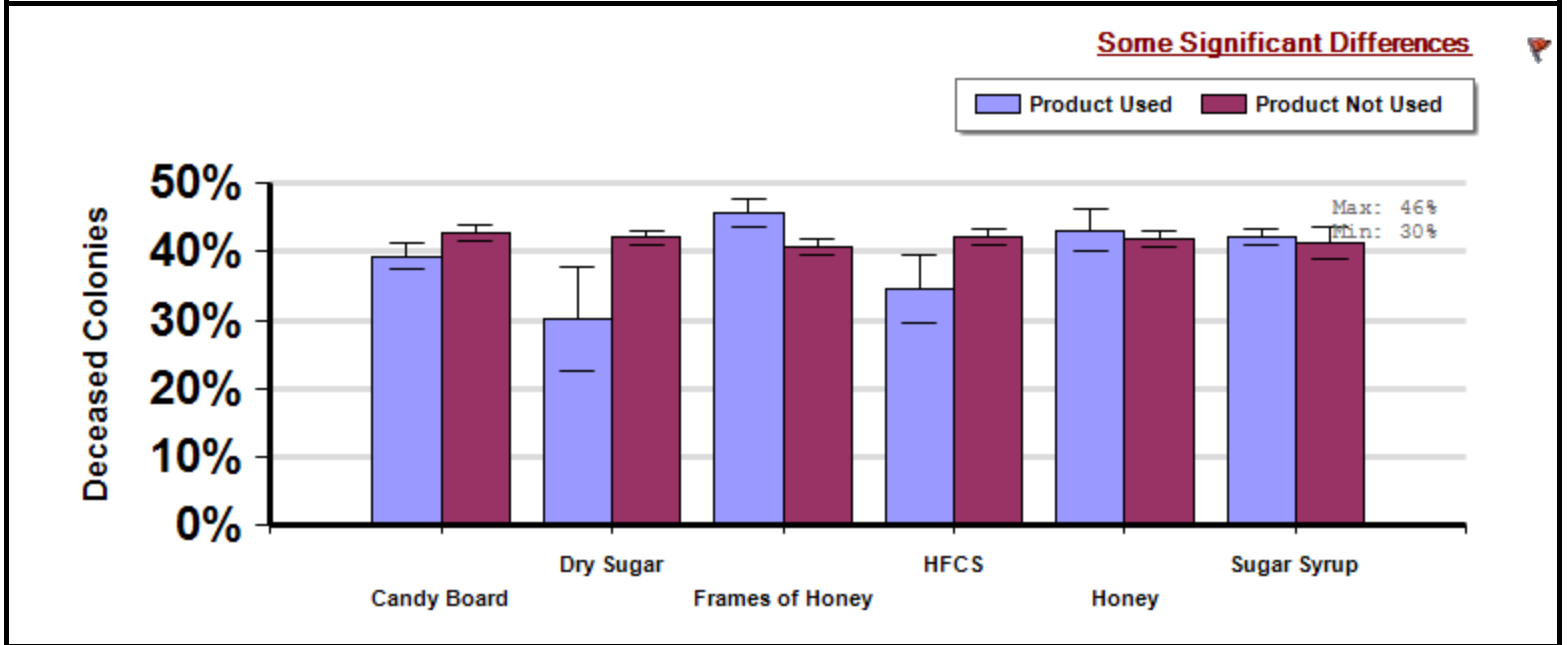
Carbohydrate Feed Use By Product

Management Survey 2015

A comparison of average winter colony mortality among beekeepers who reported they did feed or did not feed specified carbohydrate feed products to a majority of their colonies, at least once, between April and March.

Winter

Report ID: 170-2015



Interpretation

Beekeepers who fed colonies with candy boards lost 3.4 fewer overwintering colonies per 100 managed colonies (7.9% fewer losses) than those who did not report feeding colonies with candy boards. Also, beekeepers who fed colonies with dry sugar lost 11.9 fewer overwintering colonies per 100 managed colonies (28.3% fewer losses) than those who did not feed with dry sugar. Beekeepers who fed their bees with high fructose corn syrup (HFCS) reported 7.5 less overwintering colony deaths per 100 managed colonies (17.8% fewer losses) than beekeepers who did not feed with HFCS. Also, beekeepers who fed colonies with frames of honey reported 1.3 more losses out of 100 managed colonies than beekeepers who did not feed with honey. In other words, beekeepers who fed colonies frames of honey lost 3% more colonies than those who did not. For all other carbohydrate feed products (honey, and sugar syrup), beekeepers using these products did not suffer fewer or greater losses when compared to beekeepers who did not report using these products.

Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April 1, 2014 and March, 2015?

- Candy Board
- Dry Sugar
- Frames of Honey
- HFCS
- Honey
- Sugar Syrup

		Total Number of	Total Number of	Average Number of	Average Colony Loss

		Respondents Providing Valid Responses	Colonies Managed	Colonies Managed		Mean(%) [Lower, Upper] CI
				Mean	Standard Error	
Candy Board	Product Used	1,193	42,156	35.3	17.9	39.4 [37.4,41.3]
	Product Not Used	3,490	325,959	93.4	21.5	42.8 [41.6,44.0]
Dry Sugar	Product Used	63	8,222	130.5	95.5	30.2 [22.6,37.9]
	Product Not Used	4,620	359,893	77.9	16.8	42.1 [41.0,43.1]
Frames of Honey	Product Used	1,149	116,195	101.1	56.1	45.6 [43.6,47.6]
	Product Not Used	3,534	251,920	71.3	12.4	40.7 [39.5,41.9]
HFCS	Product Used	136	215,049	1581.2	299.5	34.6 [29.7,39.5]
	Product Not Used	4,547	153,066	33.7	14.1	42.1 [41.1,43.2]
Honey	Product Used	505	5,527	10.9	1.7	43.1 [40.0,46.2]
	Product Not Used	4,178	362,588	86.8	18.6	41.8 [40.7,42.9]
Sugar Syrup	Product Used	3,738	272,149	72.8	20.0	42.1 [40.9,43.2]
	Product Not Used	945	95,966	101.6	23.5	41.3 [38.9,43.7]

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Carbohydrate Feed Use By Region

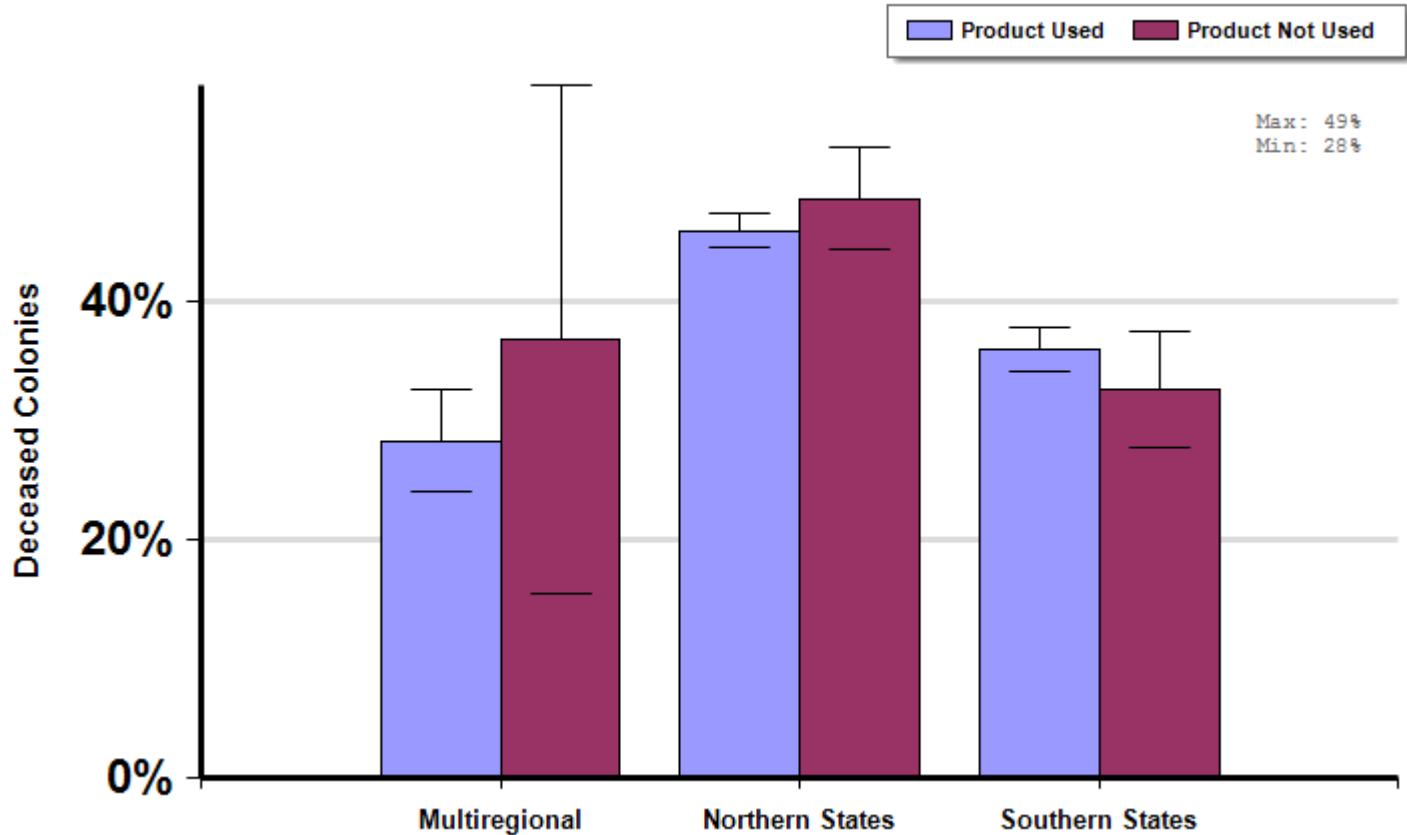
Management Survey 2015

Winter

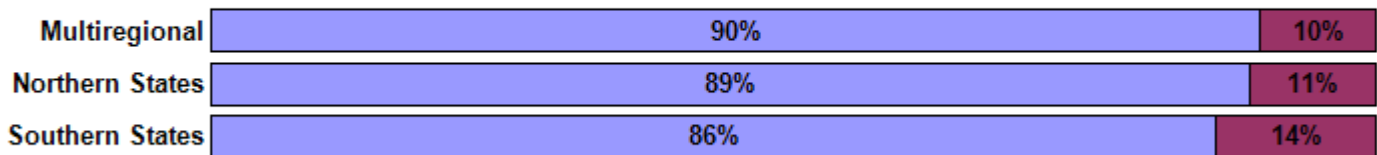
Report ID: 167-2015

A comparison of average winter colony mortality among beekeepers who reported they fed or did not feed carbohydrates to a majority of their colonies, at least once, between April and March by region of operation.

No Significant Differences (within regions)



Respondent Ratio



Interpretation

There are no significant differences between groups (northern, southern or multiregional).

Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April 1, 2014 and March, 2015?

- Candy
- Dry sugar
- High Fructose Corn Syrup (HFCS)
- Honey
- Sugar syrup

		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	135	247,535	1833.6	528.7	28.3 [24.0,32.7]
	Product Not Used	15	6,324	421.6	337.0	36.8 [15.4,58.1]
Northern States	Product Used	2,648	45,093	17.0	4.2	46.0 [44.6,47.4]
	Product Not Used	324	3,876	12.0	3.9	48.6 [44.3,52.9]
Southern States	Product Used	1,301	55,174	42.4	15.6	36.0 [34.1,37.8]
	Product Not Used	208	1,908	9.2	1.7	32.6 [27.7,37.5]

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