



The Bee Informed Partnership Management Survey Results (2013-2014) Carbohydrate Feed

BeeInformed.org

Funded by:



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

Release Date: September 19, 2014

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.



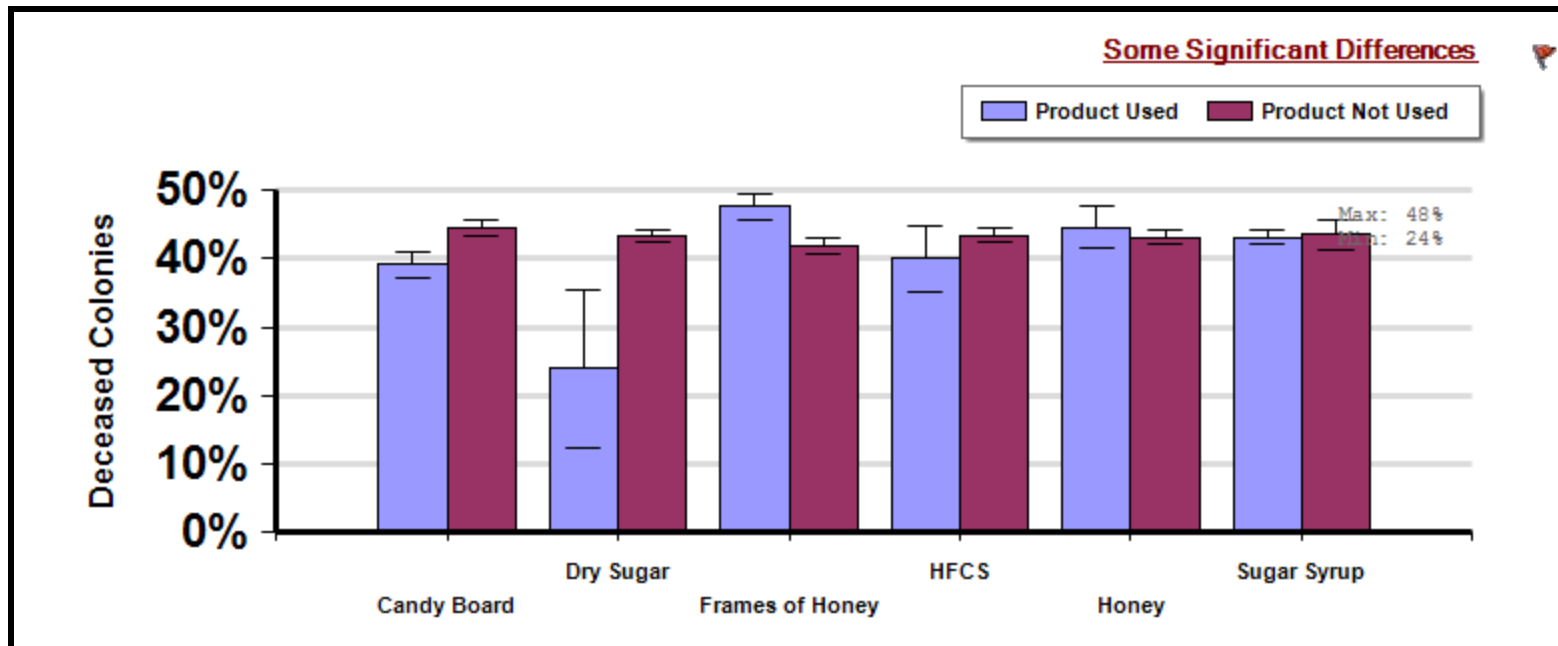
Carbohydrate Feed Use By Product

Management Survey 2014

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: 170-2014



Interpretation

Beekeepers who fed colonies with candy boards reported 5.4 less overwintering colony deaths per 100 managed colonies than those who did not report feeding colonies with candy boards. In other words, beekeepers who fed colonies with candy boards lost 12.1% less colonies than those that did not feed with candy boards. Also, beekeepers who fed colonies with dry sugar reported 19.4 less overwintering colony deaths per 100 managed colonies than those who did not feed with dry sugar. In other words, beekeepers who fed colonies dry sugar lost 44.8% less colonies than those who did not feed colonies with dry sugar. Also, beekeepers who fed colonies with frames of honey reported 5.7 more overwintering colony deaths per 100 managed colonies than those who did not report feeding colonies with frames of honey. In other words, beekeepers who fed colonies with frames of honey lost 12% more colonies than those that did not feed with frames of honey. For all other carbohydrate feed products (HFCS, Honey, and Sugar syrup), beekeepers using those specified products did not suffer fewer or greater losses when compared to beekeepers who did not report using that product.

Survey Question

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

- Candy Board
- Dry Sugar
- Frames of Honey
- 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
Candy Board	Product Used	1,309	32,762	25.0	12.6	39.1 [37.2,41.0]
	Product Not Used	4,202	485,657	115.6	21.0	44.5 [43.3,45.7]
Dry Sugar	Product Used	30	257	8.6	2.3	23.9 [12.4,35.5]
	Product Not Used	5,481	518,162	94.5	16.3	43.3 [42.3,44.3]
Frames of Honey	Product Used	1,255	98,598	78.6	19.3	47.6 [45.7,49.6]
	Product Not Used	4,256	419,821	98.6	20.3	41.9 [40.8,43.1]
HFCS	Product Used	178	343,322	1928.8	454.5	40.1 [35.2,44.9]
	Product Not Used	5,333	175,097	32.8	5.6	43.3 [42.3,44.3]
Honey	Product Used	569	10,256	18.0	7.4	44.6 [41.5,47.6]
	Product Not Used	4,942	508,163	102.8	18.1	43.1 [42.0,44.1]
Sugar Syrup	Product Used	4,399	393,949	89.6	19.5	43.2 [42.0,44.3]
	Product Not Used	1,112	124,470	111.9	23.0	43.5 [41.2,45.7]

Comments About This Data

Relevant Links, References, and Citations

Funded By:



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

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.



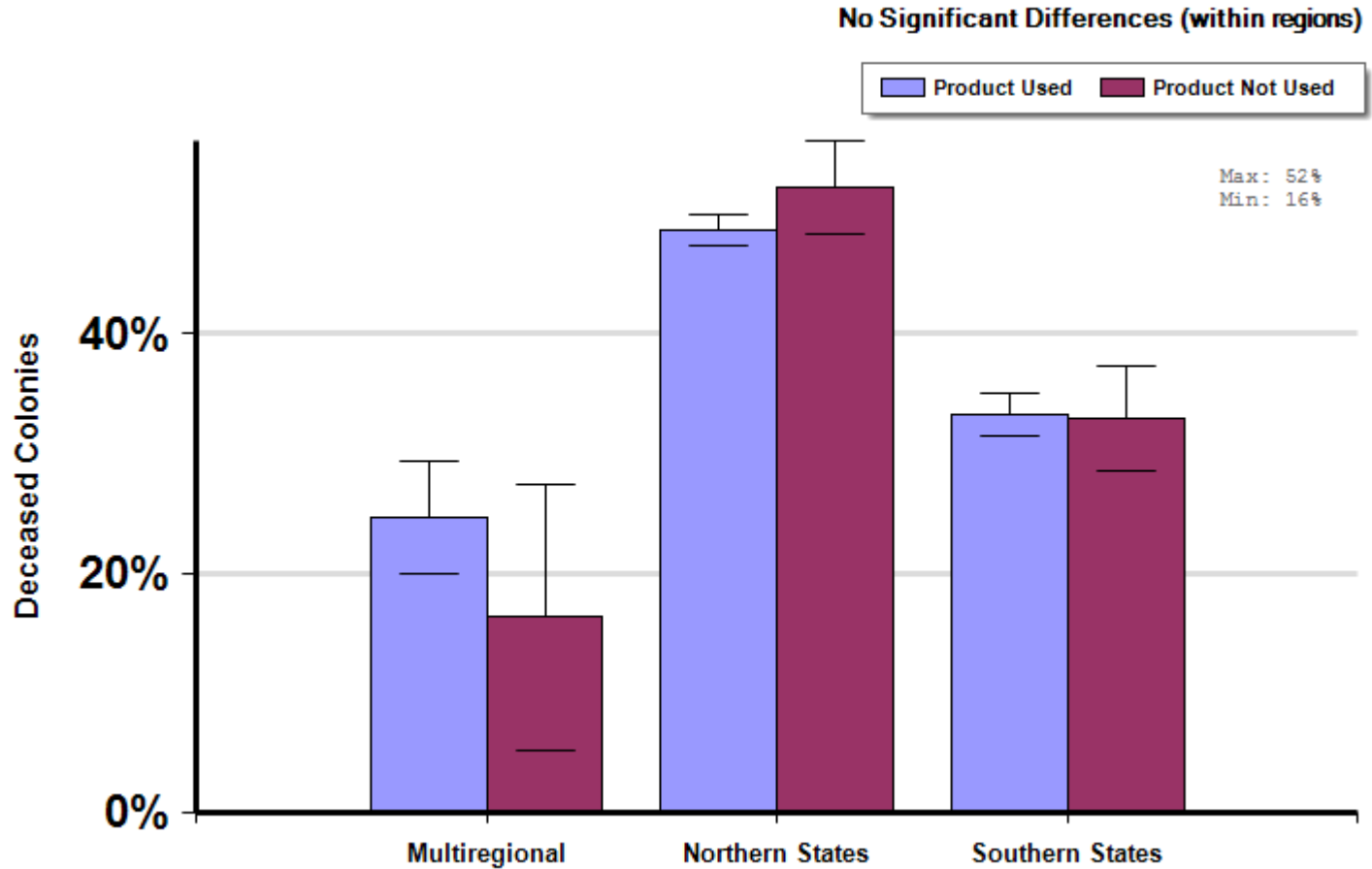
Carbohydrate Feed Use By Region

Management Survey 2014

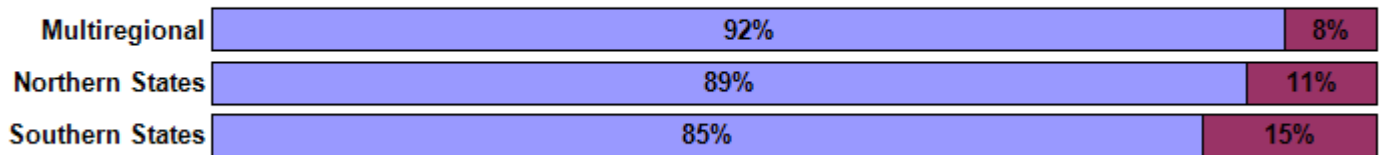
Winter

Report ID: 167-2014

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.



Respondent Ratio



Interpretation

There are no significant differences between groups.

Survey Question

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

- 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	93	372,604	4006.5	832.9	24.6 [19.9,29.4]
	Product Not Used	8	26,746	3343.3	1393.2	16.3 [5.2,27.4]
Northern States	Product Used	3,189	39,364	12.3	1.6	48.7 [47.4,50.0]
	Product Not Used	405	3,731	9.2	2.2	52.2 [48.3,56.1]
Southern States	Product Used	1,496	65,350	43.7	13.4	33.3 [31.5,35.0]
	Product Not Used	265	3,741	14.1	4.2	33.0 [28.6,37.3]

Comments About This Data

Relevant Links, References, and Citations

Funded By:



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

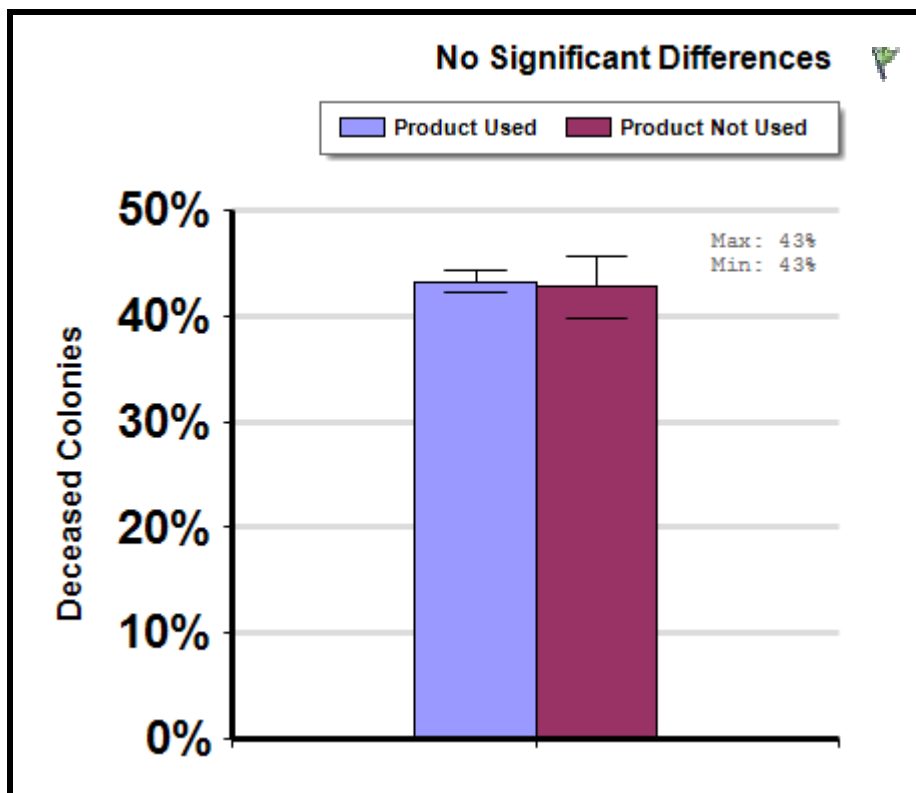
This information is for educational purposes only. References to commercial products or trade names do not imply endorsement by the Bee Informed Partnership or its members. The results presented here are the summary of the population who responded. The sample may not be representative of the beekeeping 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.



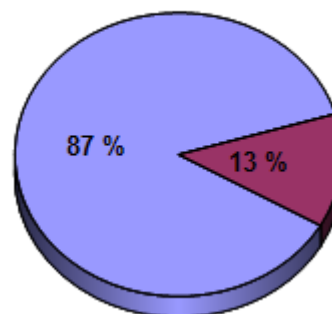
A comparison of average winter colony mortality among beekeepers who did or did not feed carbohydrates to a majority of their colonies, at least once, between April and March.

Winter

Report ID: 164-2014



Participant Ratio



Interpretation

Beekeepers who reported feeding with carbohydrates did not report losing 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, 2013 and March, 2014?

- 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	714	37,172	52.1	20.0	42.8 [39.9, 45.7]
	Product Used	4,797	481,247	100.3	18.4	43.3 [42.2, 44.3]

Comments About This Data

Relevant Links, References, and Citations



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.