



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

BeeInformed.org

Funded by:



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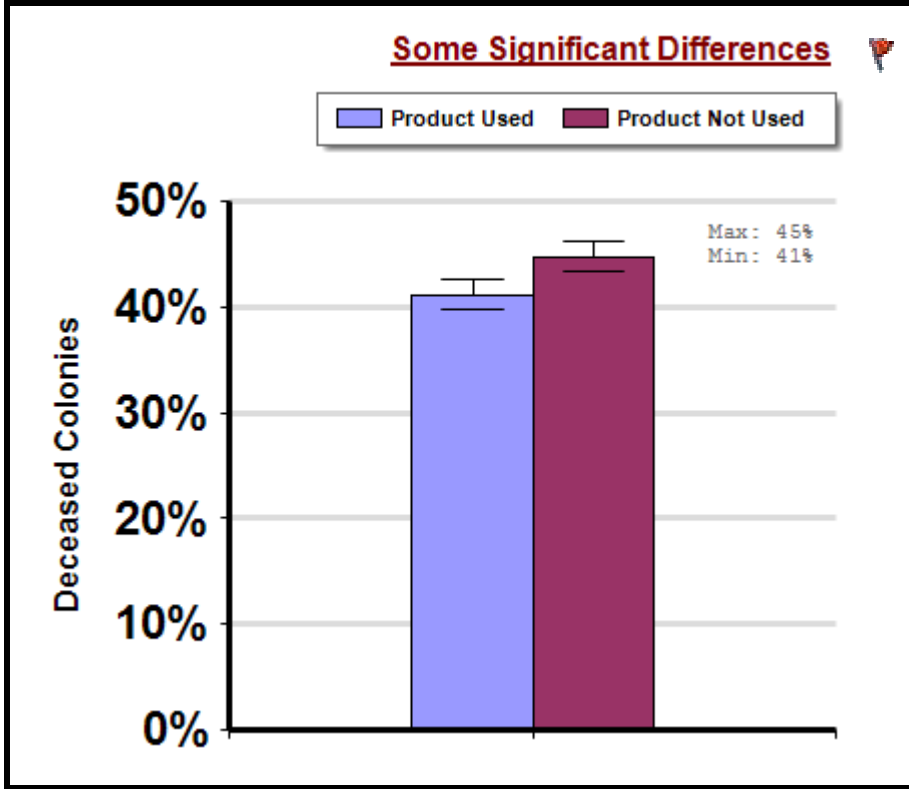


Protein Feed Use

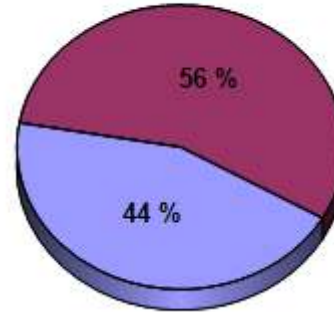
A comparison of winter mortality among those who indicated they did not feed and did feed to a majority of their colonies, at least once between April and March, with a protein feed. Protein feed included: Self-made protein feed containing pollen, Self-made protein feed without real pollen, Bee Pro, MegaBee, Global Patties, and other Commercial protein feeds.

Winter

Report ID: 155-2014



Participant Ratio



Interpretation

Beekeepers who fed colonies with a protein feed reported 3.6 less overwintering colony deaths per 100 managed colonies than those who did not report feeding with protein. In other words, beekeepers who fed colonies with protein feed lost 8% less colonies than those that did not feed with protein.

Survey Question

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

- Self-made protein feed containing pollen
- Self-made protein feed without real pollen
- Bee Pro
- MegaBee
- Global Patties
- Other commercial protein feeds

		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	3,064	119,885	39.1	10.6	44.8 [43.4, 46.2]

Used						
Product Used	2,447	398,534	162.9	34.1		41.2 [39.8, 42.6]

Comments About This Data

Relevant Links, References, and Citations



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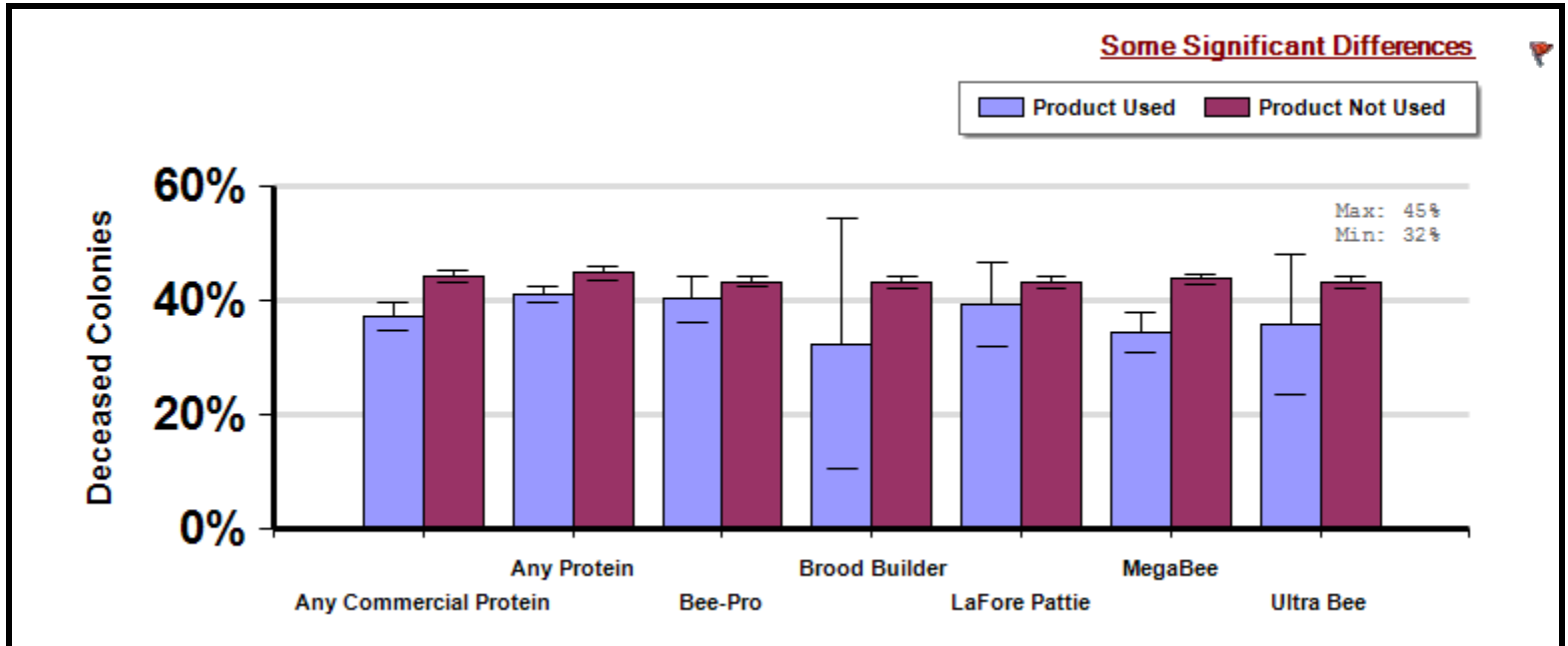


Protein Feed Use By Product

Winter

Report ID: 161-2014

A comparison of winter mortality among those who indicated they did not feed their colonies a specific type of protein feed (but may or may not have fed another type of protein feed) with those who indicated they fed a specific type of protein feed to a majority of their colonies, at least once between April and March. Protein feed included: Self-made protein feed containing pollen, Self-made protein feed without real pollen, Bee Pro, MegaBee, Global Patties, and other Commercial protein feeds.



Interpretation

Beekeepers who fed colonies with commercial protein reported 7 less overwintering colony deaths per 100 managed colonies than those who did not report feeding colonies with commercial protein. In other words, beekeepers who fed colonies with commercial protein lost 15.9% less colonies than those that did not feed with commercial protein. Also, beekeepers who fed colonies with any protein reported 3.6 less overwintering colony deaths per 100 managed colonies than those who did not feed with any protein. In other words, beekeepers who fed colonies any protein lost 8% less colonies than those who did not feed colonies with any protein. Also, beekeepers who fed colonies with MegaBee reported 9.3 less overwintering colony deaths per 100 managed colonies than those who did not report feeding colonies with MegaBee. In other words, beekeepers who fed colonies with MegaBee lost 21.3% less colonies than those that did not feed with MegaBee. For all other protein feed products (Bee-Pro, Brood Builder, LaFore Patties, and Ultra Bee), 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?

- Self-made protein feed containing pollen
- Self-made protein feed without real pollen
- Bee Pro
- MegaBee
- Global Patties
- Other commercial protein feeds

		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
Any Commercial Protein	Product Used	715	206,537	288.9	54.0	37.1 [34.6, 39.6]
	Product Not Used	4,796	311,882	65.0	16.8	44.1 [43.0, 45.2]
Any Protein	Product Used	2,459	398,719	162.1	33.9	41.2 [39.8, 42.7]
	Product Not Used	3,052	119,700	39.2	10.7	44.8 [43.4, 46.2]
Bee-Pro	Product Used	294	104,542	355.6	89.4	40.2 [36.3, 44.2]
	Product Not Used	5,217	413,877	79.3	16.4	43.4 [42.4, 44.4]
Brood Builder	Product Used	8	112	14.0	6.1	32.5 [10.6, 54.3]
	Product Not Used	5,503	518,307	94.2	16.3	43.2 [42.2, 44.2]
LaFore Pattie	Product Used	88	79,070	898.5	294.0	39.4 [32.1, 46.8]
	Product Not Used	5,423	439,349	81.0	15.8	43.3 [42.3, 44.3]
MegaBee	Product Used	312	41,763	133.9	47.2	34.4 [30.8, 38.0]
	Product Not Used	5,199	476,656	91.7	17.0	43.7 [42.7, 44.8]
Ultra Bee	Product Used	24	279	11.6	4.7	35.8 [23.6, 48.1]
	Product Not Used	5,487	518,140	94.4	16.3	43.2 [42.2, 44.2]

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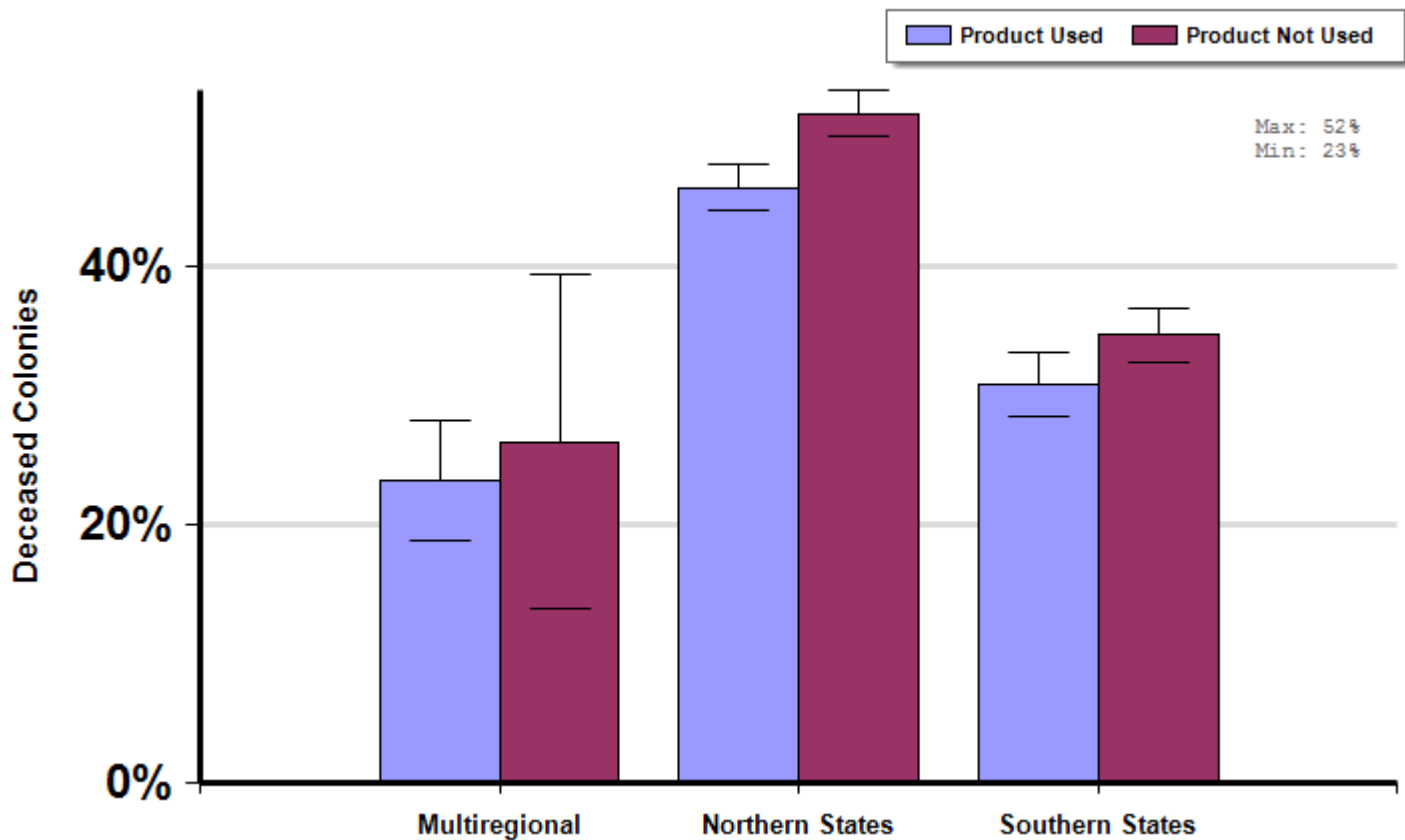
Protein Feed Use By Region

A comparison of winter mortality among those who indicated they did feed and those who did not feed a majority of their colonies, at least once between April and March, with a protein feed by region of operation. Protein feed included: Self-made protein feed containing pollen, Self-made protein feed without real pollen, Bee Pro, MegaBee, Global Patties, and other Commercial protein feeds.

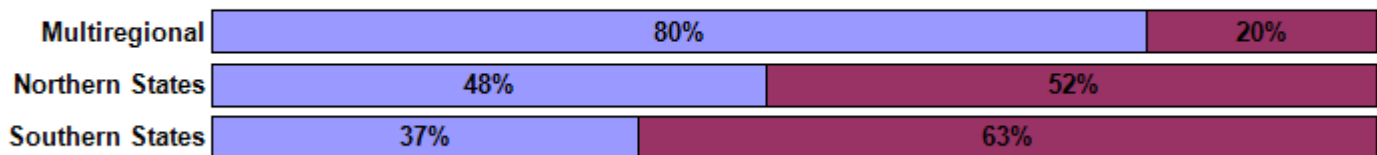
Winter

Report ID: 158-2014

Some Significant Differences (within regions)



Respondent Ratio



Interpretation

Northern beekeepers who fed the majority of their colonies with a protein feed reported 5.7 less overwintering colony deaths per 100 managed colonies than those who did not feed the majority of their colonies with a protein feed. In other words, beekeepers in the northern states who fed their colonies protein lost 11% less colonies than those who did not feed their colonies with protein. Beekeepers who manage colonies across regions or in the southern states did not suffer fewer or greater losses based on their use of protein feed.

Survey Question

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

- Self-made protein feed containing pollen
- Self-made protein feed without real pollen
- Bee Pro
- MegaBee
- Global Patties
- Other commercial protein feeds

		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	81	337,381	4165.2	918.4	23.4 [18.7, 28.1]
	Product Not Used	20	61,969	3098.5	1217.8	26.4 [13.4, 39.4]
Northern States	Product Used	1,712	25,800	15.1	2.7	46.1 [44.3, 47.9]
	Product Not Used	1,882	17,295	9.2	1.2	51.8 [50.1, 53.6]
Southern States	Product Used	645	31,649	49.1	15.8	30.8 [28.4, 33.3]
	Product Not Used	1,116	37,442	33.6	15.5	34.6 [32.5, 36.8]

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