



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

[BeeInformed.org](http://BeeInformed.org)

Funded by:



United States  
Department of  
Agriculture

National Institute  
of Food  
and Agriculture

Release Date: September 24, 2015

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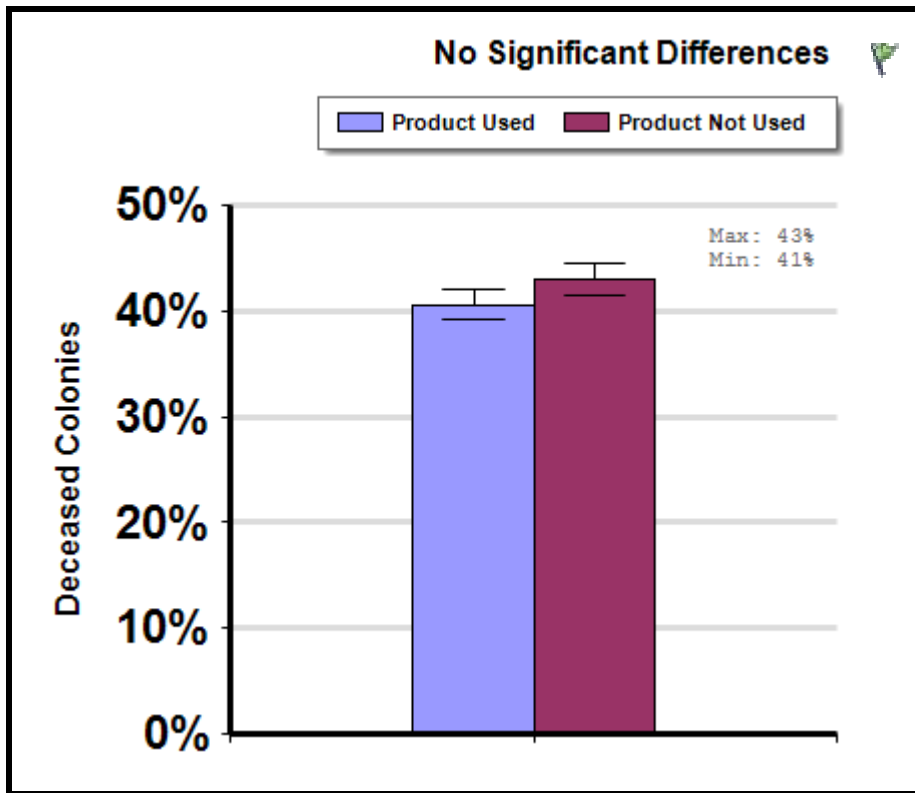


# Protein Feed Use

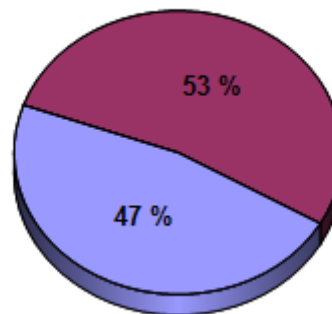
A comparison of winter mortality among those who indicated they did not feed and did feed to a majority of their colonies, at least once between April and March, with a protein feed. Protein feed included: Self-made protein feed containing pollen, Self-made protein feed without real pollen, Bee Pro,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

## Winter

Report ID: 155-2015



## Participant Ratio



## Interpretation

Beekeepers who fed the majority of their colonies with protein feed did not suffer fewer or greater losses than beekeepers who did not feed their colonies protein.

## Survey Question

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

- 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 Used	2,477	44,264	17.9	3.3	43.1 [41.6, 44.5]
	Product Used	2,206	323,851	146.8	35.1	40.6 [39.2, 42.1]

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## Comments About This Data

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## Relevant Links, References, and Citations



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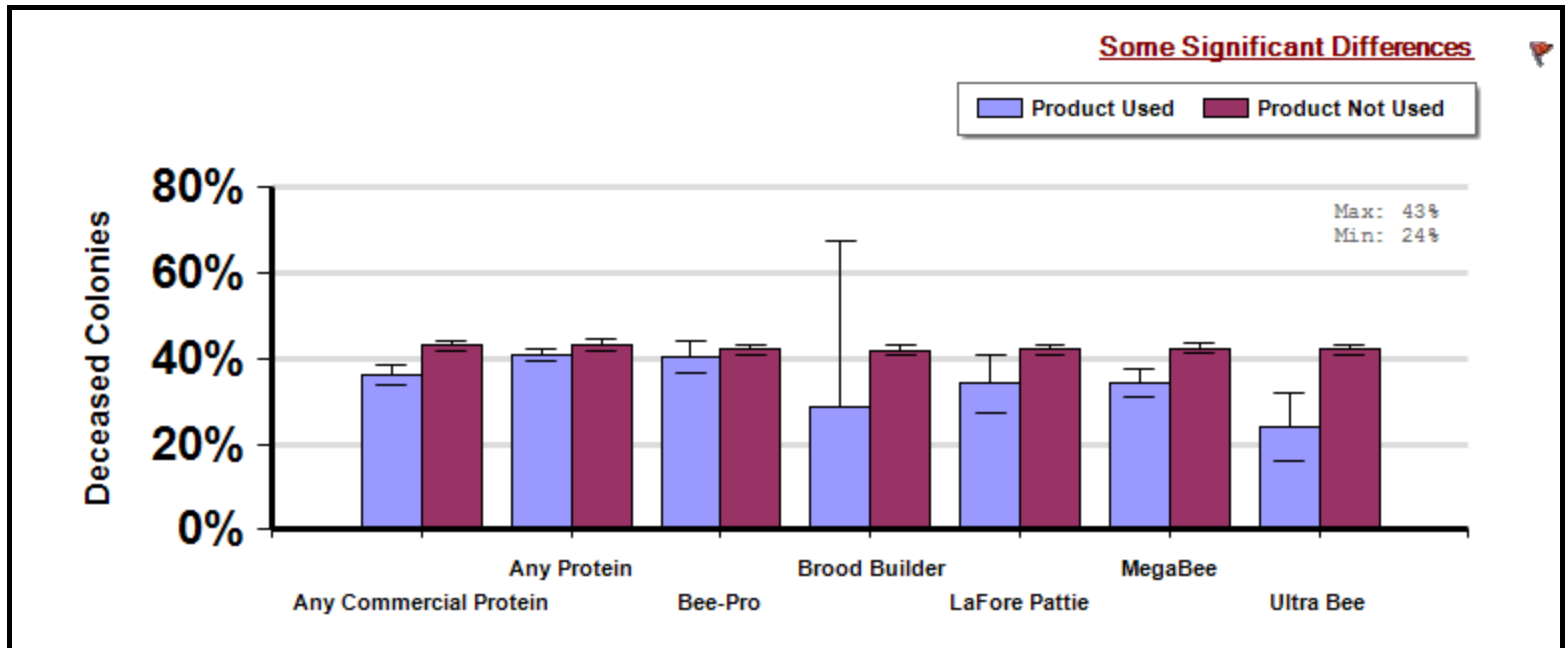
## Protein Feed Use By Product

Management  
Survey 2015

### Winter

Report ID: 161-  
2015

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 with any commercial protein reported 6.7 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 any commercial protein lost 15.6% fewer colonies than those who did not feed with commercial protein. Also, beekeepers who fed LaFore patties to their bees reported 8 less colony deaths per 100 managed colonies (19% fewer losses) than those who did not feed with LaFore. Also, beekeepers who reported feeding with MegaBee lost 8.3 fewer overwintering colonies per 100 managed colonies (19.6% fewer losses) than those who did not feed with MegaBee. Also, beekeepers who fed their colonies with Ultra Bee lost 18 fewer overwintering colonies out of 100 managed colonies (42.9% fewer losses) than beekeepers who did not feed with Ultra Bee. For all other protein feed products (Bee-Pro, Brood Builder, and any protein product), 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, 2014 and March, 2015?

- 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	705	234,606	332.8	104.3	36.2 [33.9,38.5]
	Product Not Used	3,978	133,509	33.6	6.2	42.9 [41.8,44.1]
Any Protein	Product Used	2,206	323,851	146.8	35.1	40.6 [39.2,42.1]
	Product Not Used	2,477	44,264	17.9	3.3	43.1 [41.6,44.5]
Bee-Pro	Product Used	300	167,108	557.0	231.0	40.5 [36.7,44.2]
	Product Not Used	4,383	201,007	45.9	7.9	42.0 [40.9,43.1]
Brood Builder	Product Used	6	104	17.3	5.3	28.7 [0.0,67.3]
	Product Not Used	4,677	368,011	78.7	16.7	41.9 [40.9,43.0]
LaFore Pattie	Product Used	81	50,466	623.0	303.9	34.1 [27.3,40.9]
	Product Not Used	4,602	317,649	69.0	16.0	42.1 [41.0,43.1]
MegaBee	Product Used	277	16,387	59.2	17.4	34.1 [30.8,37.5]
	Product Not Used	4,406	351,728	79.8	17.6	42.4 [41.3,43.5]
Ultra Bee	Product Used	35	31,757	907.3	595.7	24.0 [15.9,32.2]
	Product Not Used	4,648	336,358	72.4	16.1	42.0 [41.0,43.1]

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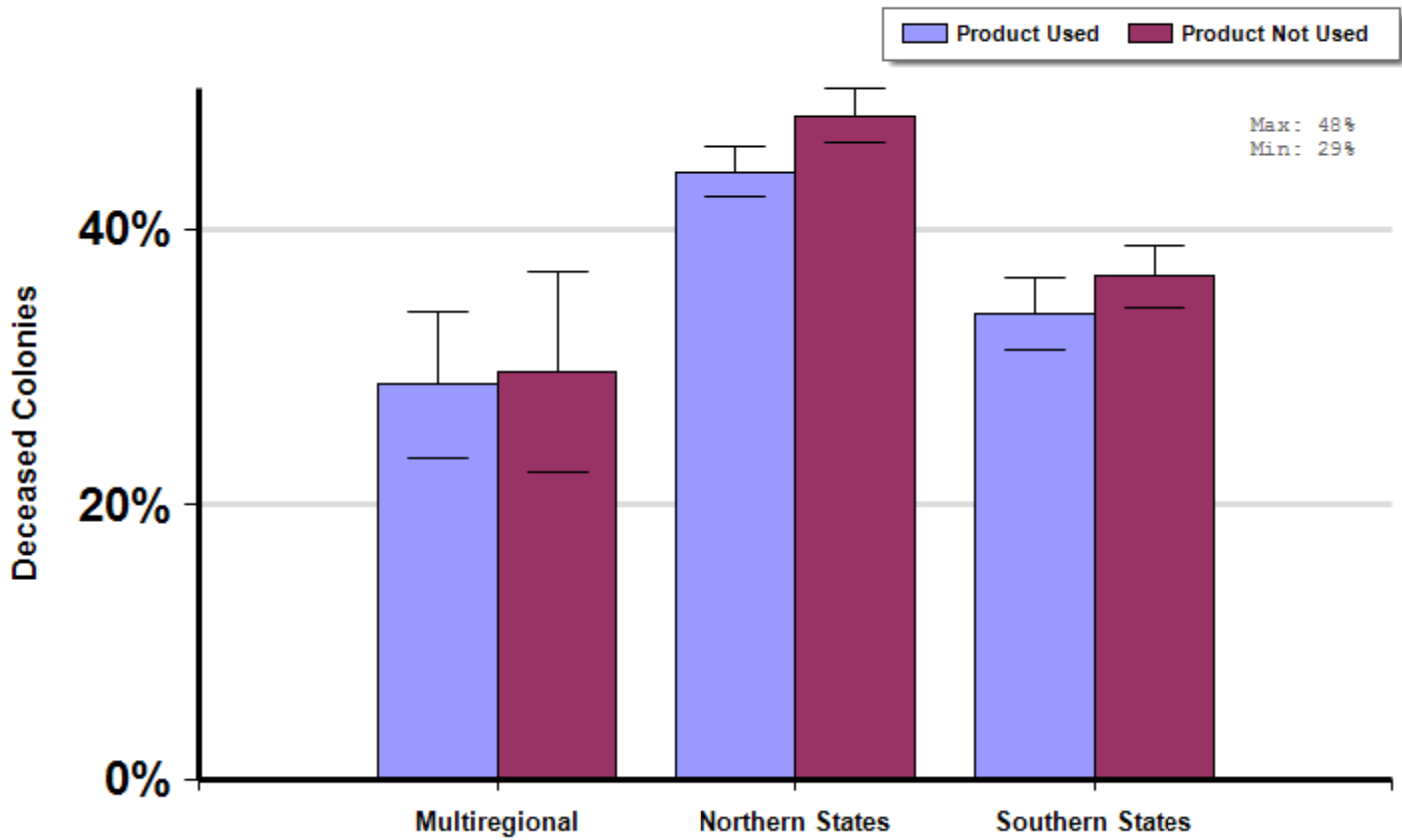
# Protein Feed Use By Region

## Winter

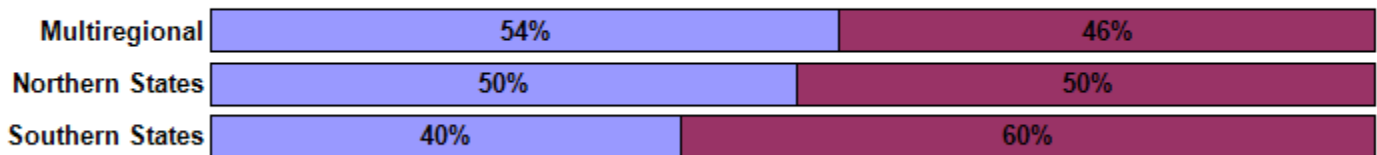
Report ID: 158-2015

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.

Some Significant Differences (within regions)



## Respondent Ratio



## Interpretation

Northern beekeepers who fed the majority of their colonies with a protein feed reported 4 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 protein lost 8.3% less colonies than those who did not feed protein. Beekeepers who managed 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, 2014 and March, 2015?



- 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	239,413	2955.7	859.6	28.8 [23.4, 34.1]
	Product Not Used	69	14,446	209.4	90.6	29.7 [22.5, 36.9]
Northern States	Product Used	1,498	37,278	24.9	7.4	44.3 [42.5, 46.1]
	Product Not Used	1,474	11,691	7.9	0.8	48.3 [46.4, 50.3]
Southern States	Product Used	609	42,417	69.7	32.5	33.9 [31.3, 36.5]
	Product Not Used	900	14,665	16.3	4.9	36.6 [34.3, 38.9]

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