



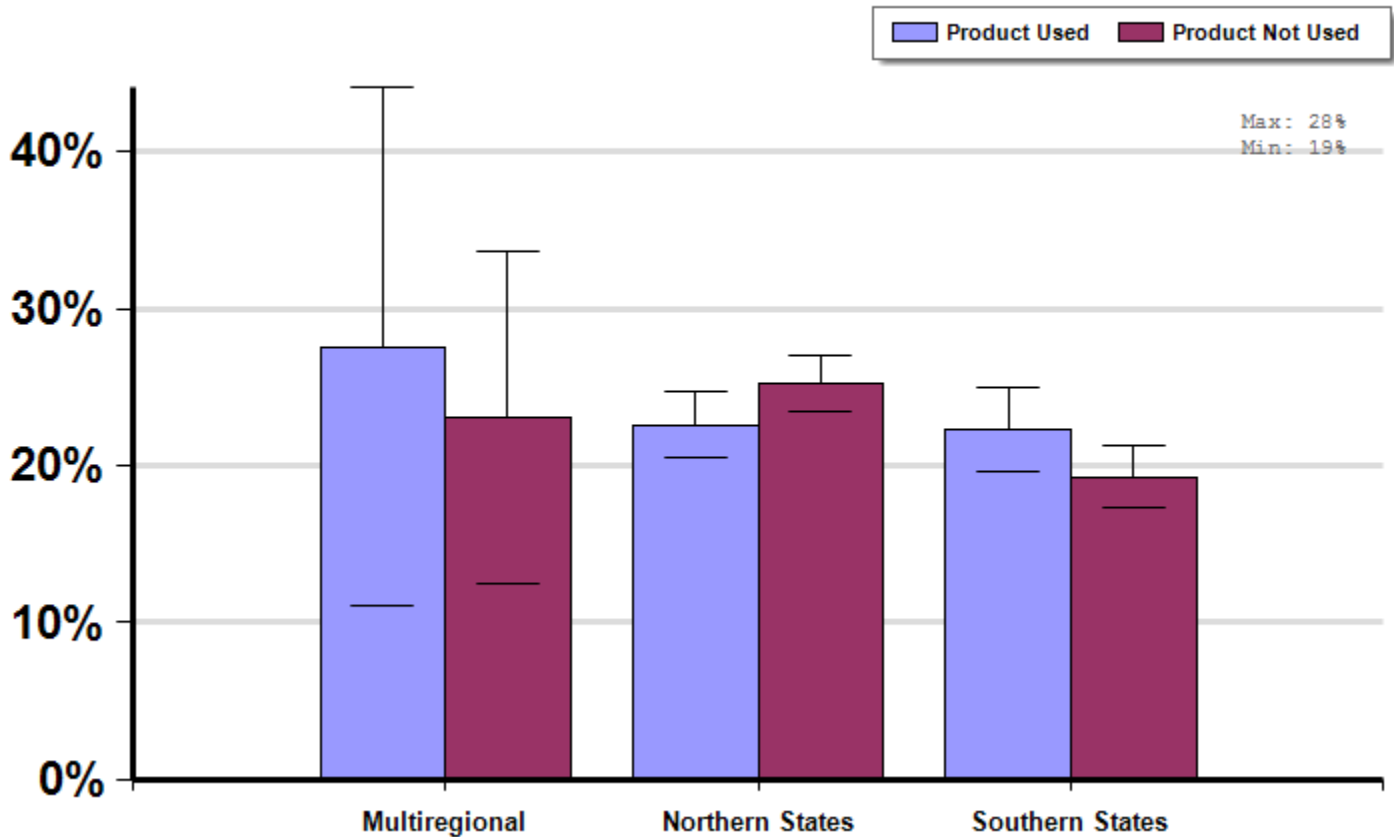
# Protein Feed Use By Region

## Winter

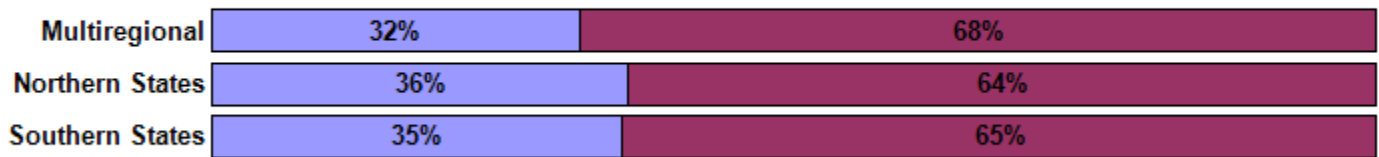
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A comparison of winter mortality among those who indicated they did feed and those who did not feed a majority of their colonies, at least once between April, 2011 and March, 2012, with a protein feed by region of operation. Protein feed included: Self-made protein feed containing pollen, Self-made protein feed without real pollen, Bee Pro, MegaBee, Global Patties, and other Commercial protein feeds.

No Significant Differences (within regions)



## Respondent Ratio



## Interpretation

### Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April 1, 2011 and March, 2012?

- 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 95% CI | Upper 95% CI |
| Multiregional   | Product Used     | 12  | 22,086                           | 1840.5                             | 1290.1         | 27.6                | 11.1         | 44.1         |
|                 | Product Not Used | 26  | 19,243                           | 740.1                              | 613.5          | 23.0                | 12.4         | 33.6         |
| Northern States | Product Used     | 703   | 57,942                           | 82.4                               | 23.3           | 22.6                | 20.5         | 24.7         |
|                 | Product Not Used | 1,264   | 39,157                           | 31.0                               | 18.3           | 25.3                | 23.5         | 27.1         |
| Southern States | Product Used     | 400   | 22,820                           | 57.1                               | 22.8           | 22.3                | 19.6         | 25.0         |
|                 | Product Not Used | 733   | 12,024                           | 16.4                               | 4.6            | 19.3                | 17.3         | 21.2         |

## Comments About This Data

## Relevant Links, References, and Citations

Funded By:



United States  
Department of  
Agriculture

National Institute  
of Food  
and Agriculture

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