



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

Demographics of Respondents

BeeInformed.org

Funded by:



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

Release Date: September 24, 2015

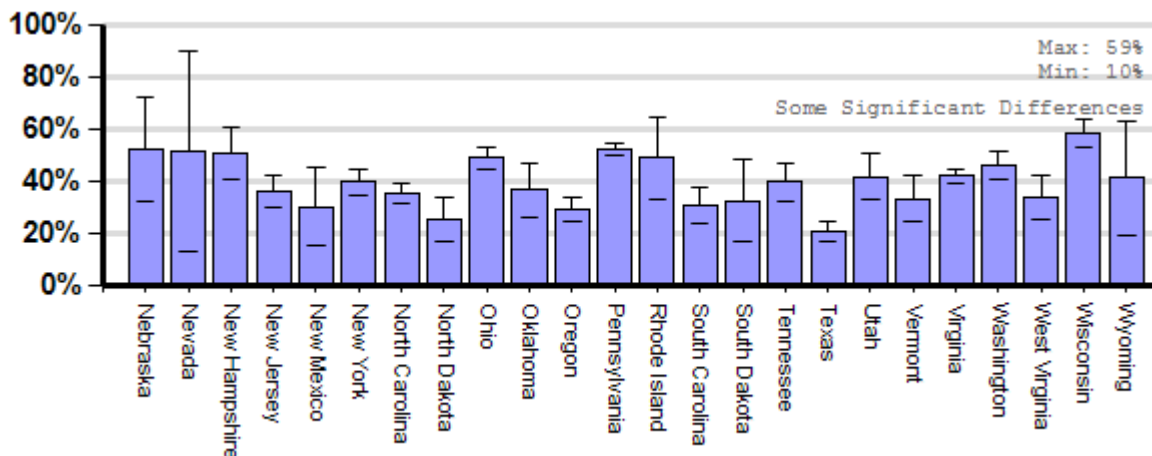
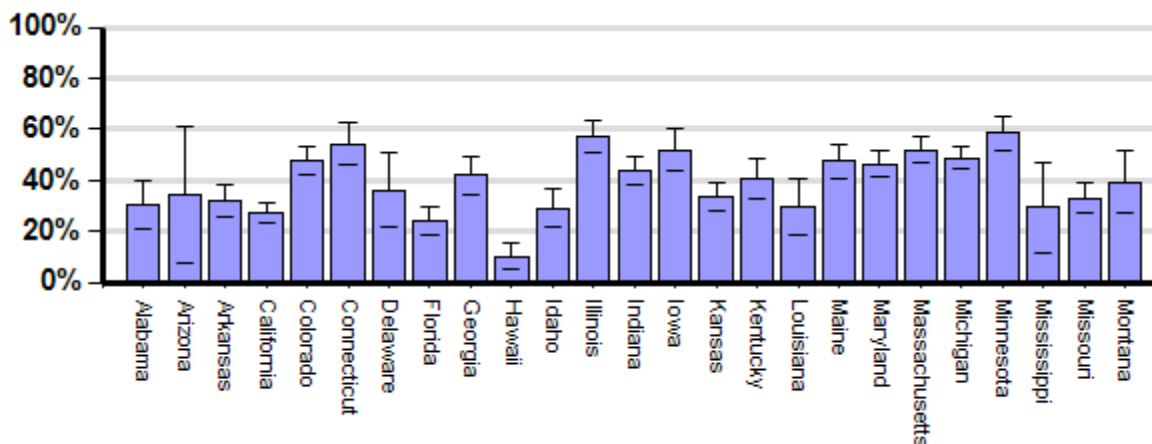
This information is for educational purposes only. References to commercial products or trade names do not imply endorsement by the Bee Informed Partnership or its members. The results presented here are the summary of the population who responded. The sample may not be representative of the beekeeping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



Losses By State

A comparison of average winter colony mortality among beekeepers in different states across the United States, between April and March.

Winter
Report ID: 289-2015



Interpretation

There are some significant differences between states.

Survey Question

In what states did you keep your colonies in between April 1,2014 and March,2015?

| | | 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 |
| Alabama | | 32 | 423 | 13.2 | 3.2 | 30.4 [21.2,39.5] |
| Arizona | | 10 | 1,032 | 103.2 | 69.3 | 34.5 [7.8,61.3] |
| Arkansas | | 105 | 2,231 | 21.2 | 8.3 | 31.7 [25.4,38.1] |

| | | | | | | |
|---------------|--|-----|---------|--------|--------|------------------|
| California | | 217 | 388,228 | 1789.1 | 368.6 | 27.3 [23.6,31.0] |
| Colorado | | 215 | 63,319 | 294.5 | 288.3 | 47.9 [42.6,53.2] |
| Connecticut | | 77 | 731 | 9.5 | 2.8 | 54.2 [46.0,62.5] |
| Delaware | | 20 | 30,430 | 1521.5 | 1030.9 | 36.0 [21.5,50.5] |
| Florida | | 117 | 42,987 | 367.4 | 184.5 | 24.0 [18.7,29.4] |
| Georgia | | 81 | 5,256 | 64.9 | 36.3 | 42.0 [34.3,49.7] |
| Hawaii | | 37 | 13,887 | 375.3 | 151.8 | 10.1 [5.1,15.2] |
| Idaho | | 67 | 103,074 | 1538.4 | 515.8 | 29.0 [21.6,36.4] |
| Illinois | | 145 | 1,255 | 8.7 | 1.7 | 57.2 [51.2,63.3] |
| Indiana | | 142 | 3,843 | 27.1 | 19.7 | 43.7 [37.9,49.5] |
| Iowa | | 48 | 986 | 20.5 | 6.8 | 52.0 [43.8,60.1] |
| Kansas | | 150 | 3,581 | 23.9 | 6.9 | 33.4 [28.0,38.8] |
| Kentucky | | 77 | 770 | 10.0 | 2.5 | 40.9 [33.0,48.8] |
| Louisiana | | 24 | 3,689 | 153.7 | 130.7 | 29.5 [18.4,40.6] |
| Maine | | 127 | 30,965 | 243.8 | 166.3 | 47.4 [40.9,54.0] |
| Maryland | | 162 | 16,673 | 102.9 | 92.6 | 46.3 [41.1,51.5] |
| Massachusetts | | 207 | 1,558 | 7.5 | 1.3 | 51.7 [46.5,56.9] |
| Michigan | | 292 | 10,781 | 36.9 | 25.1 | 48.9 [44.7,53.0] |
| Minnesota | | 114 | 85,660 | 751.4 | 548.1 | 58.5 [51.9,65.2] |
| Mississippi | | 12 | 15,833 | 1319.4 | 931.0 | 29.3 [11.2,47.3] |
| Missouri | | 116 | 1,909 | 16.5 | 3.6 | 33.0 [27.4,38.7] |
| Montana | | 32 | 31,810 | 994.1 | 424.1 | 39.2 [26.9,51.6] |
| Nebraska | | 15 | 72,610 | 4840.7 | 4142.0 | 52.5 [32.4,72.6] |
| Nevada | | N/A | 1,432 | 204.6 | 182.8 | 52.0 [13.5,90.5] |
| New Hampshire | | 60 | 657 | 11.0 | 4.5 | 50.8 [40.8,60.9] |
| New Jersey | | 116 | 1,497 | 12.9 | 4.2 | 36.5 [30.1,42.9] |
| New Mexico | | 24 | 1,975 | 82.3 | 74.7 | 30.6 [15.5,45.8] |
| New York | | 191 | 39,996 | 209.4 | 112.7 | 40.0 [35.2,44.9] |

| | | | | | | |
|----------------|--|-----|---------|--------|--------|------------------|
| North Carolina | | 308 | 2,602 | 8.4 | 1.1 | 35.5 [31.8,39.2] |
| North Dakota | | 37 | 245,349 | 6631.1 | 1810.7 | 26.0 [17.5,34.5] |
| Ohio | | 353 | 3,951 | 11.2 | 2.2 | 49.2 [45.2,53.2] |
| Oklahoma | | 41 | 10,561 | 257.6 | 169.8 | 37.0 [26.7,47.3] |
| Oregon | | 179 | 38,936 | 217.5 | 92.0 | 29.4 [24.6,34.1] |
| Pennsylvania | | 894 | 37,160 | 41.6 | 23.7 | 52.7 [50.3,55.0] |
| Rhode Island | | 27 | 401 | 14.9 | 7.0 | 49.2 [33.3,65.1] |
| South Carolina | | 82 | 2,838 | 34.6 | 18.5 | 31.2 [24.5,37.9] |
| South Dakota | | 16 | 76,660 | 4791.3 | 3834.0 | 32.7 [16.9,48.5] |
| Tennessee | | 84 | 1,418 | 16.9 | 4.1 | 40.2 [32.8,47.5] |
| Texas | | 162 | 124,733 | 770.0 | 400.1 | 21.2 [17.0,25.3] |
| Utah | | 51 | 16,752 | 328.5 | 157.2 | 42.2 [33.1,51.2] |
| Vermont | | 69 | 750 | 10.9 | 3.3 | 33.7 [24.9,42.4] |
| Virginia | | 799 | 6,753 | 8.5 | 0.9 | 42.3 [39.7,44.8] |
| Washington | | 164 | 113,253 | 690.6 | 395.1 | 46.5 [40.9,52.2] |
| West Virginia | | 56 | 868 | 15.5 | 5.9 | 34.3 [25.9,42.8] |
| Wisconsin | | 164 | 34,153 | 208.3 | 129.0 | 58.6 [53.0,64.2] |
| Wyoming | | 12 | 14,844 | 1237.0 | 560.3 | 41.5 [19.3,63.6] |

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.

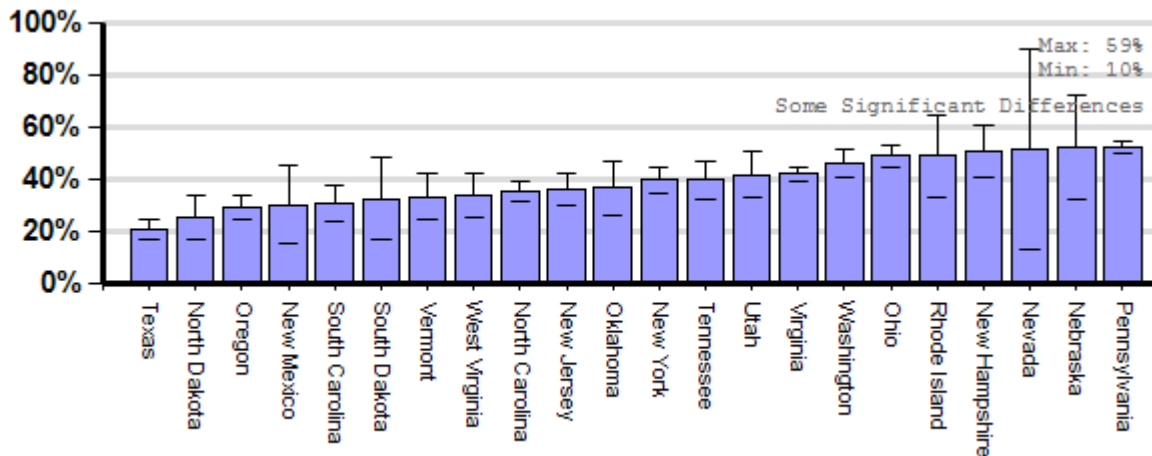
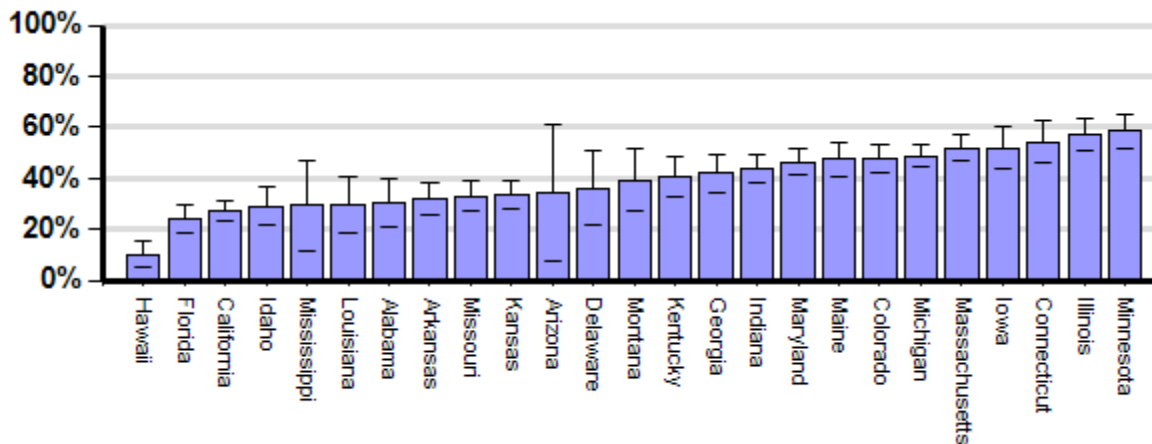


States By Losses

A comparison of average winter colony mortality among beekeepers in different states across the United States, between April and March.

Winter

Report ID: 293-2015



Interpretation

There are some significant differences between states.

Survey Question

In what states did you keep your colonies in between April 1, 2014 and March, 2015?

| | | 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 |
| Hawaii | | 37 | 13,887 | 375.3 | 151.8 | 10.1 [5.1,15.2] |
| Texas | | 162 | 124,733 | 770.0 | 400.1 | 21.2 [17.0,25.3] |
| Florida | | 117 | 42,987 | 367.4 | 184.5 | 24.0 [18.7,29.4] |

| | | | | | | |
|----------------|--|-----|---------|--------|--------|------------------|
| North Dakota | | 37 | 245,349 | 6631.1 | 1810.7 | 26.0 [17.5,34.5] |
| California | | 217 | 388,228 | 1789.1 | 368.6 | 27.3 [23.6,31.0] |
| Idaho | | 67 | 103,074 | 1538.4 | 515.8 | 29.0 [21.6,36.4] |
| Mississippi | | 12 | 15,833 | 1319.4 | 931.0 | 29.3 [11.2,47.3] |
| Oregon | | 179 | 38,936 | 217.5 | 92.0 | 29.4 [24.6,34.1] |
| Louisiana | | 24 | 3,689 | 153.7 | 130.7 | 29.5 [18.4,40.6] |
| Alabama | | 32 | 423 | 13.2 | 3.2 | 30.4 [21.2,39.5] |
| New Mexico | | 24 | 1,975 | 82.3 | 74.7 | 30.6 [15.5,45.8] |
| South Carolina | | 82 | 2,838 | 34.6 | 18.5 | 31.2 [24.5,37.9] |
| Arkansas | | 105 | 2,231 | 21.2 | 8.3 | 31.7 [25.4,38.1] |
| South Dakota | | 16 | 76,660 | 4791.3 | 3834.0 | 32.7 [16.9,48.5] |
| Missouri | | 116 | 1,909 | 16.5 | 3.6 | 33.0 [27.4,38.7] |
| Kansas | | 150 | 3,581 | 23.9 | 6.9 | 33.4 [28.0,38.8] |
| Vermont | | 69 | 750 | 10.9 | 3.3 | 33.7 [24.9,42.4] |
| West Virginia | | 56 | 868 | 15.5 | 5.9 | 34.3 [25.9,42.8] |
| Arizona | | 10 | 1,032 | 103.2 | 69.3 | 34.5 [7.8,61.3] |
| North Carolina | | 308 | 2,602 | 8.4 | 1.1 | 35.5 [31.8,39.2] |
| Delaware | | 20 | 30,430 | 1521.5 | 1030.9 | 36.0 [21.5,50.5] |
| New Jersey | | 116 | 1,497 | 12.9 | 4.2 | 36.5 [30.1,42.9] |
| Oklahoma | | 41 | 10,561 | 257.6 | 169.8 | 37.0 [26.7,47.3] |
| Montana | | 32 | 31,810 | 994.1 | 424.1 | 39.2 [26.9,51.6] |
| New York | | 191 | 39,996 | 209.4 | 112.7 | 40.0 [35.2,44.9] |
| Tennessee | | 84 | 1,418 | 16.9 | 4.1 | 40.2 [32.8,47.5] |
| Kentucky | | 77 | 770 | 10.0 | 2.5 | 40.9 [33.0,48.8] |
| Georgia | | 81 | 5,256 | 64.9 | 36.3 | 42.0 [34.3,49.7] |
| Utah | | 51 | 16,752 | 328.5 | 157.2 | 42.2 [33.1,51.2] |
| Virginia | | 799 | 6,753 | 8.5 | 0.9 | 42.3 [39.7,44.8] |
| Indiana | | 142 | 3,843 | 27.1 | 19.7 | 43.7 [37.9,49.5] |

| | | | | | | |
|---------------|--|-----|---------|--------|--------|------------------|
| Maryland | | 162 | 16,673 | 102.9 | 92.6 | 46.3 [41.1,51.5] |
| Washington | | 164 | 113,253 | 690.6 | 395.1 | 46.5 [40.9,52.2] |
| Maine | | 127 | 30,965 | 243.8 | 166.3 | 47.4 [40.9,54.0] |
| Colorado | | 215 | 63,319 | 294.5 | 288.3 | 47.9 [42.6,53.2] |
| Michigan | | 292 | 10,781 | 36.9 | 25.1 | 48.9 [44.7,53.0] |
| Ohio | | 353 | 3,951 | 11.2 | 2.2 | 49.2 [45.2,53.2] |
| Rhode Island | | 27 | 401 | 14.9 | 7.0 | 49.2 [33.3,65.1] |
| New Hampshire | | 60 | 657 | 11.0 | 4.5 | 50.8 [40.8,60.9] |
| Massachusetts | | 207 | 1,558 | 7.5 | 1.3 | 51.7 [46.5,56.9] |
| Iowa | | 48 | 986 | 20.5 | 6.8 | 52.0 [43.8,60.1] |
| Nevada | | N/A | 1,432 | 204.6 | 182.8 | 52.0 [13.5,90.5] |
| Nebraska | | 15 | 72,610 | 4840.7 | 4142.0 | 52.5 [32.4,72.6] |
| Pennsylvania | | 894 | 37,160 | 41.6 | 23.7 | 52.7 [50.3,55.0] |
| Connecticut | | 77 | 731 | 9.5 | 2.8 | 54.2 [46.0,62.5] |
| Illinois | | 145 | 1,255 | 8.7 | 1.7 | 57.2 [51.2,63.3] |
| Minnesota | | 114 | 85,660 | 751.4 | 548.1 | 58.5 [51.9,65.2] |

Comments About This Data

Relevant Links, References, and Citations



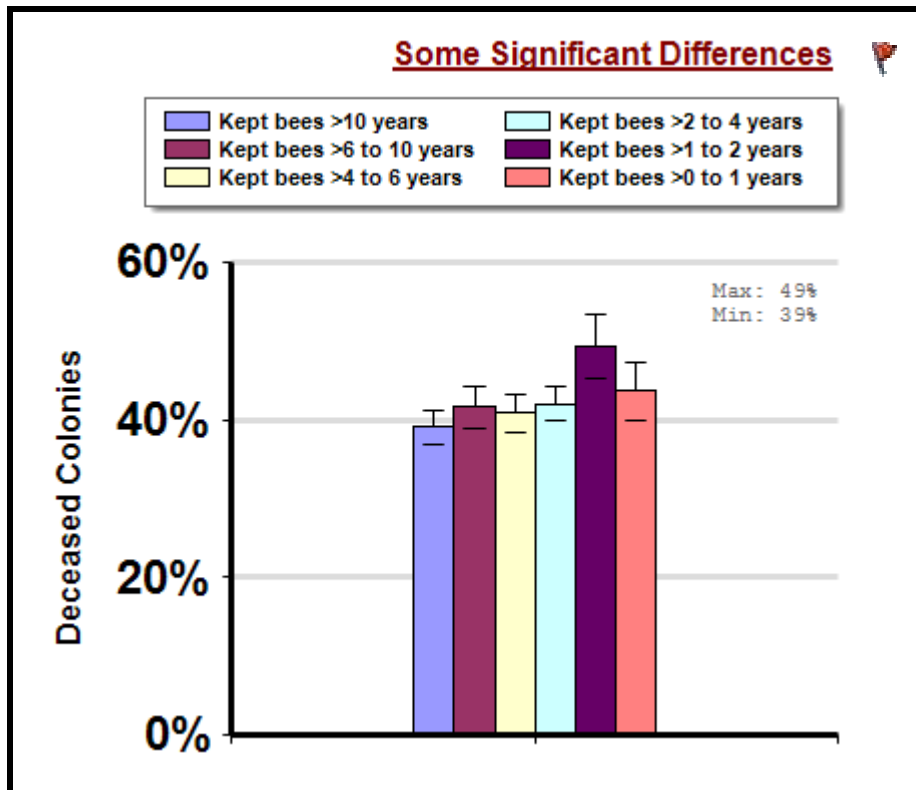
This information is for educational purposes only. References to commercial products or trade names do not imply endorsement by the Bee Informed Partnership or its members. The results presented here are the summary of the population who responded. The sample may not be representative of the beekeeping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



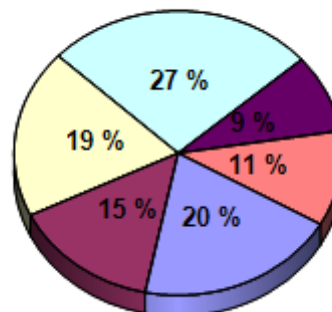
A comparison of average winter colony mortality among beekeepers based on the number of years they have kept colonies.

Winter

Report ID: 312-2015



Participant Ratio



Interpretation

Beekeepers who have kept colonies between 1 and 2 years lost significantly more overwintering colonies than beekeepers who have kept bees for more than 2 years.

Survey Question

Approximately how many years have you been beekeeping?

| | | 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 |
| Years as Beekeeper | Kept bees >0 to 1 years | 471 | 1,221 | 2.6 | 0.1 | 43.7 [40.0, 47.5] |
| | Kept bees >1 to 2 years | 389 | 1,827 | 4.7 | 0.7 | 49.5 [45.4, 53.5] |
| | Kept bees >10 years | 866 | 293,399 | 338.8 | 85.6 | 39.1 [36.9, 41.3] |
| | Kept bees >2 to 4 years | 1,158 | 6,508 | 5.6 | 0.2 | 42.0 [39.9, 44.2] |

| | | | | | | |
|--------------------------|-----|-------|------|-----|-------------------|--|
| years | | | | | | |
| Kept bees >4 to 6 years | 834 | 7,658 | 9.2 | 0.9 | 40.9 [38.5, 43.2] | |
| Kept bees >6 to 10 years | 634 | 9,320 | 14.7 | 3.3 | 41.7 [39.0, 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.