

NAPPC National Beekeeper Forage Survey

North American Pollinator Partnership
Forage, Roadsides & Nutrition Task Force

**NATIONAL BEEKEEPER SURVEY OF THE
FORAGING NEEDS OF BEE COLONIES**

The North American Pollinator Partnership Campaign, NAPPC, is a collaborative body of more than 160 diverse partners, including respected scientists, researchers, conservationists, government officials and dedicated volunteers.

The Forage, Nutrition & Roadsides Task Force is a working group of NAPPC partners tasked with supporting the development of increased acres of bee forage in key regions, working to increase access to existing potential forage for beekeepers and developing guidelines for regional seed mixes that can be used by Departments/Ministries of Transportation to effectively promote key pollinators along roadsides.

To better understand the amount of forage land needed for managed bee colonies in non-pollination settings, the Forage, Nutrition & Roadsides Task Force conducted a survey of U.S. beekeepers between October 2015 and February 2016. Beekeepers are highly knowledgeable about forage needs in their specific locations, as they are intimately familiar with the health of their colonies, the success of breeding, the amount of excess honey produced and whether supplemental feeding is required at the location. The survey asked beekeepers to consider forage needs at a specific location rather than the beekeeper's general view of forage needs in order to obtain the most accurate information possible. The survey also asked about forage needs during winter and summer (January and July) to reflect differences in available forage.

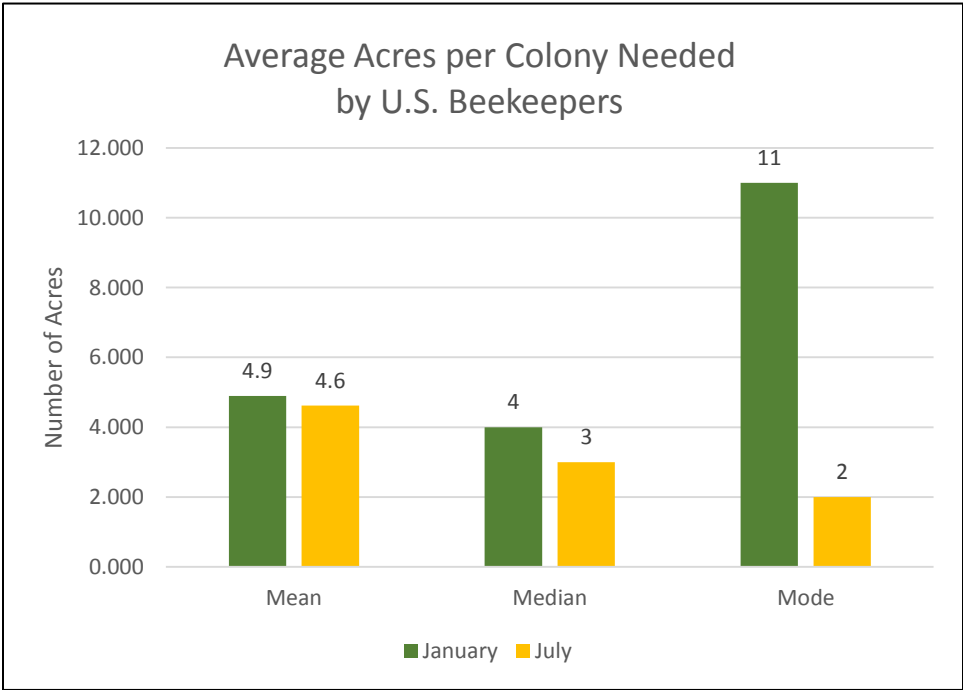
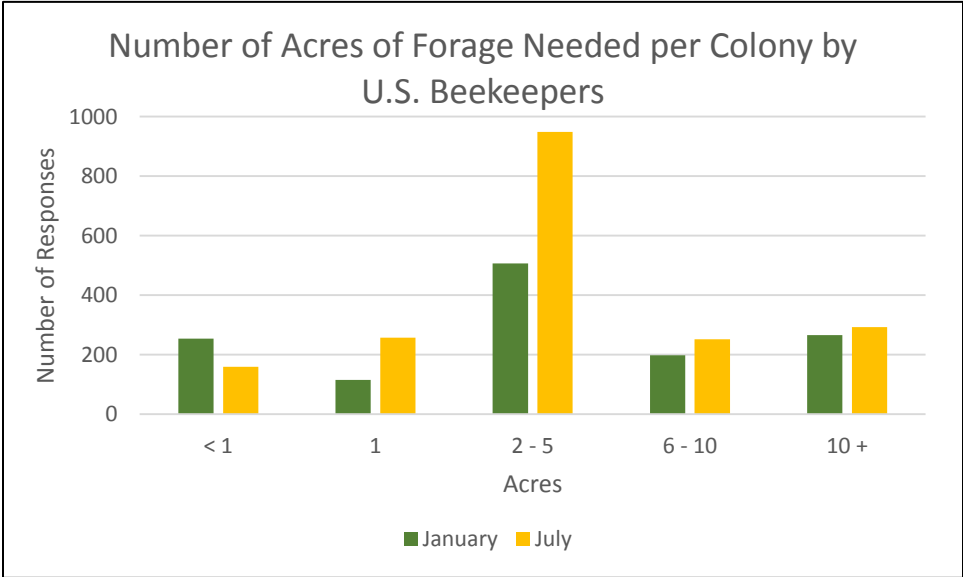
2,250 beekeepers from 30+ states responded to the survey. Most beekeepers responded that they need 2-5 acres of forage land per colony at their southernmost yard in both winter and summer. In every state, the vast majority of beekeepers responded that they need at least 1 acre of forage per colony, with 100% of beekeepers so responding in some states. Nationally, 92% of beekeepers responded that they need at least 1 acre of forage per colony in summer.

The beekeepers were asked about the types of ecosystems upon which their managed colonies were foraging. The types of habitats were diverse, ranging from forest land to pasture land to commercial and residential properties. Additionally, there was a wide diversity in the plants used as the primary foraging source. Despite the diversity in habitats and primary forage sources, however, the average number of acres needed fell within the range of 4.2 to 6.1 acres per colony. Bees can apparently survive in many diverse habitats so long as they have sufficient foraging resources to do so.

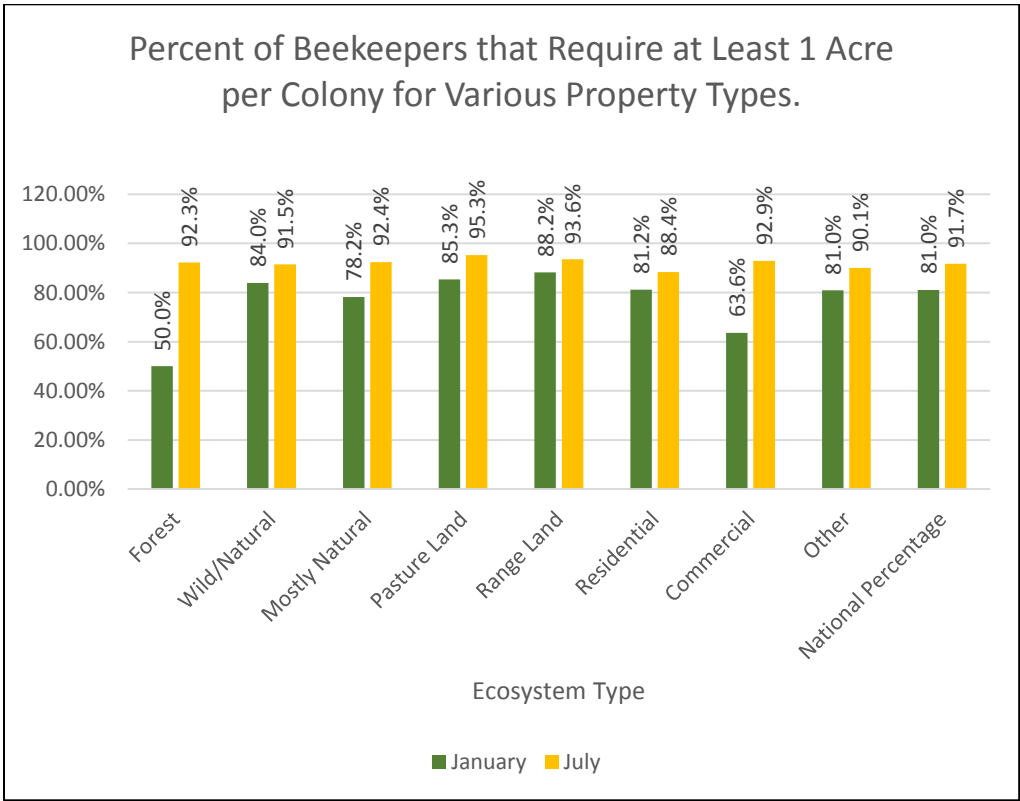
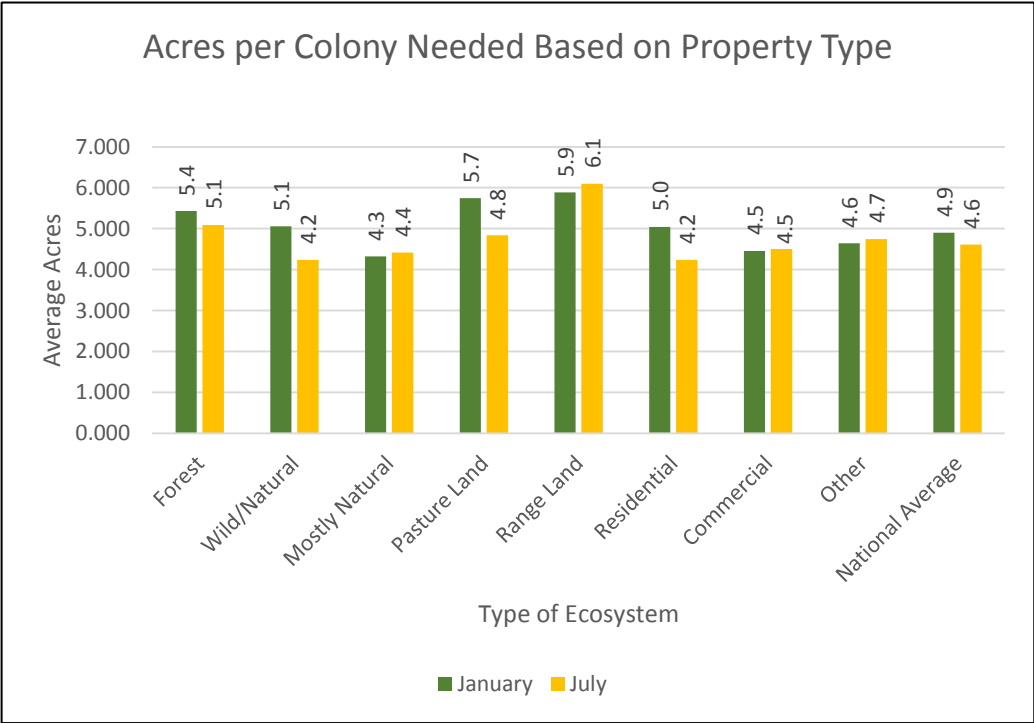
The national and state by state results are below. The survey questions are shown at the end.

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National Survey Results

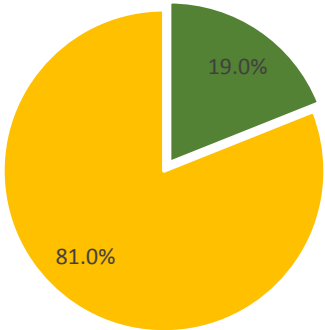


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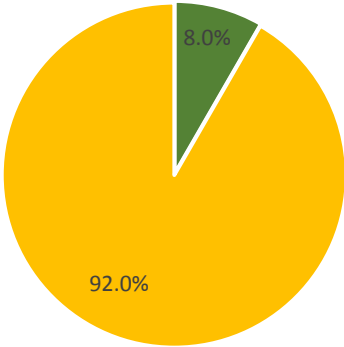
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Percent of U.S. Beekeepers that Require at least 1 Acre per Colony in January



- Percent beekeepers requiring less than 1 acre per hive
- Percent beekeepers that require 1 acre or more

Percent of U.S. Beekeepers that Require at Least 1 Acre per Colony in July

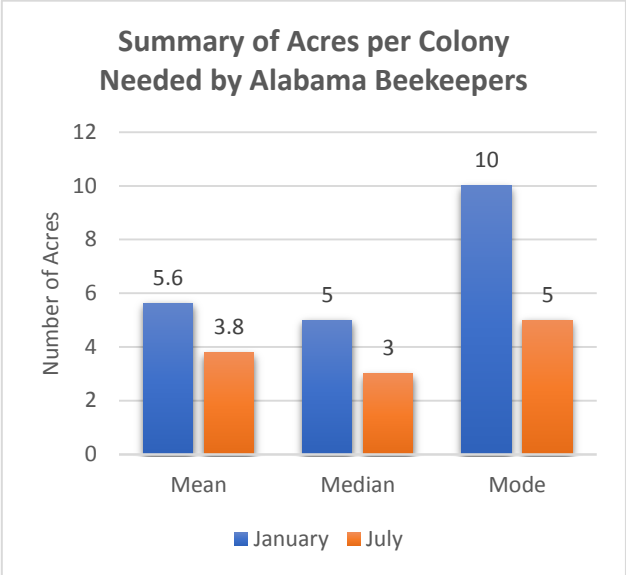
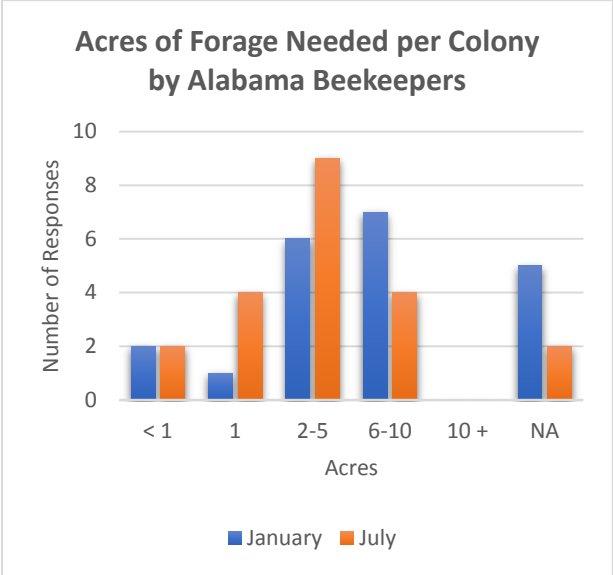


- Percent beekeepers requiring less than 1 acre per hive
- Percent beekeepers that require 1 acre or more

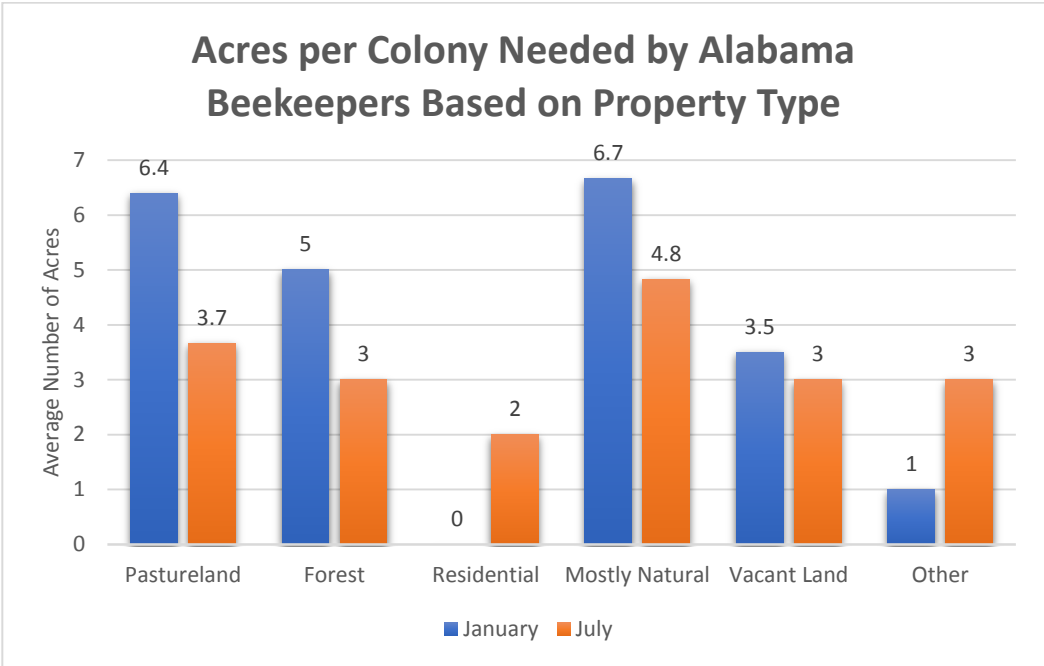
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Alabama

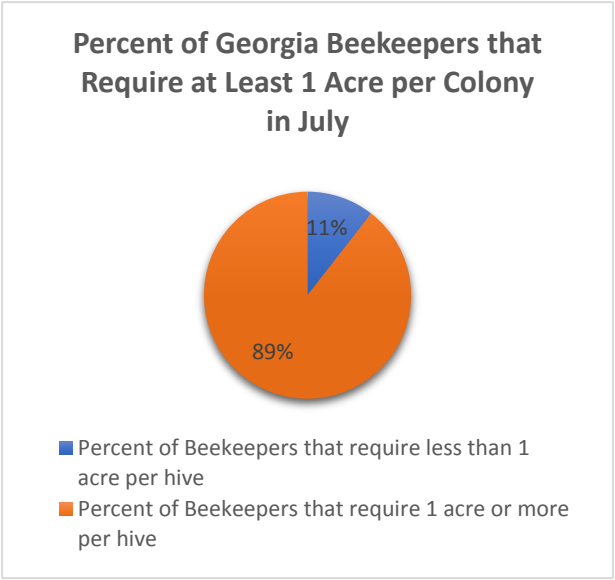
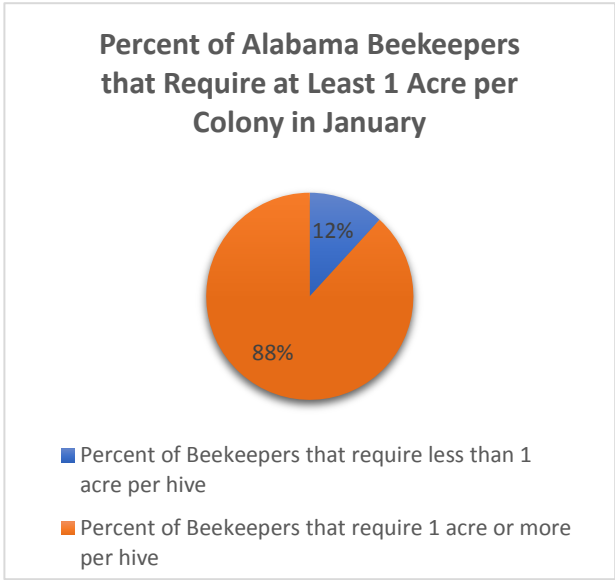
In Alabama, a total of 21 beekeepers responded to the survey.



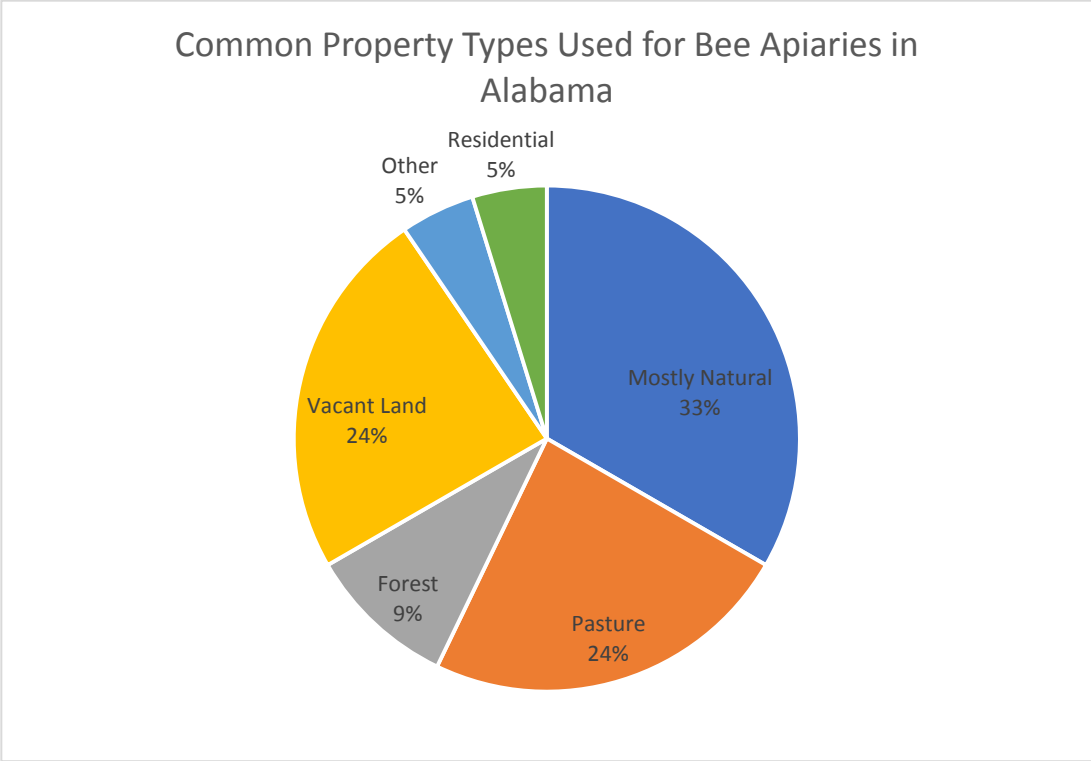
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Alabama (continued)



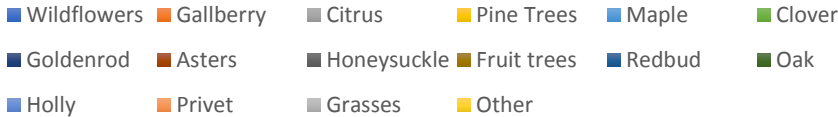
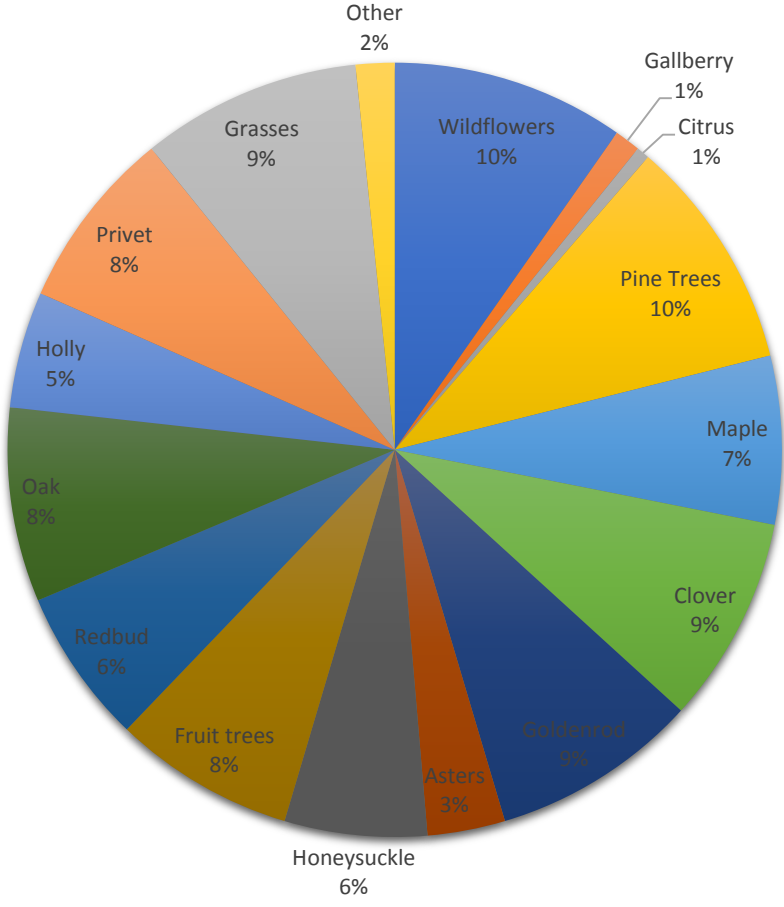
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Alabama (continued)

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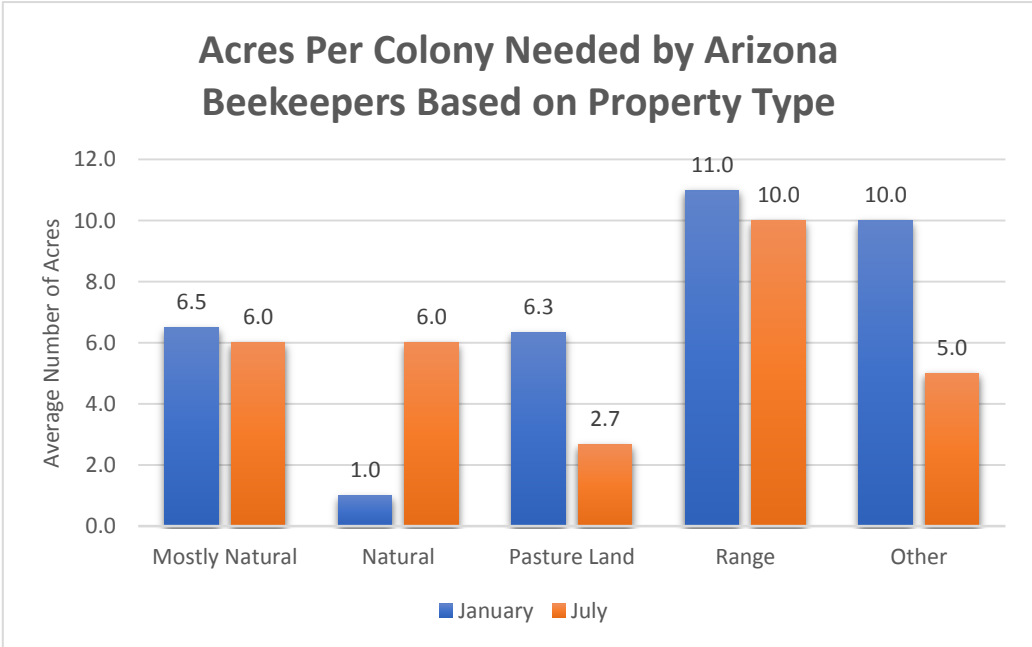
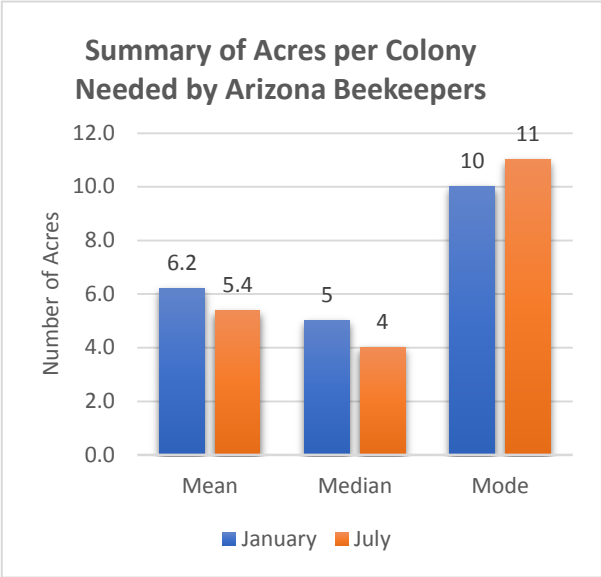
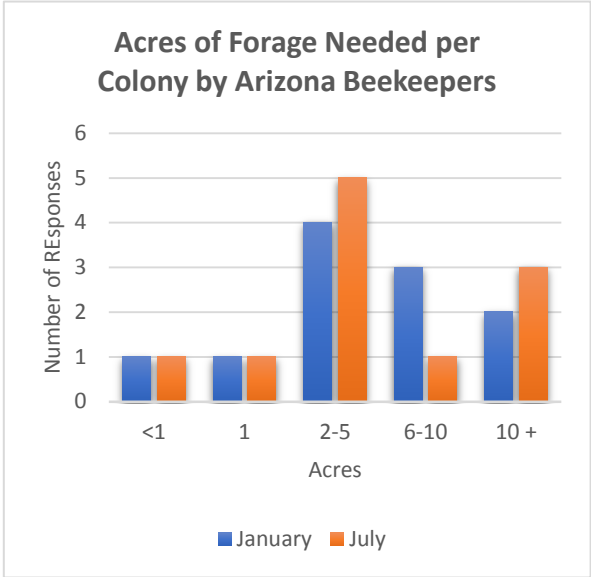
Common Forage Types Found on Properties Used for Bee Apiaries in Alabama



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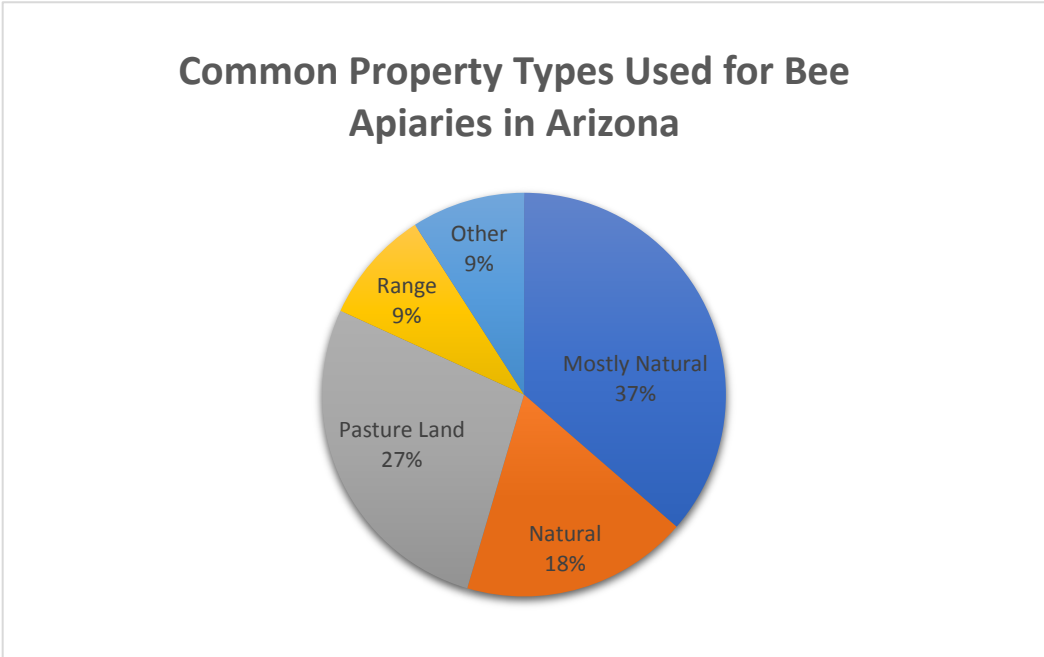
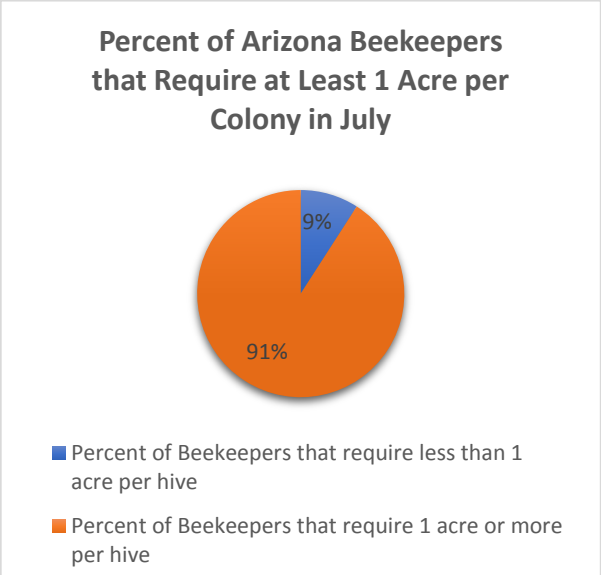
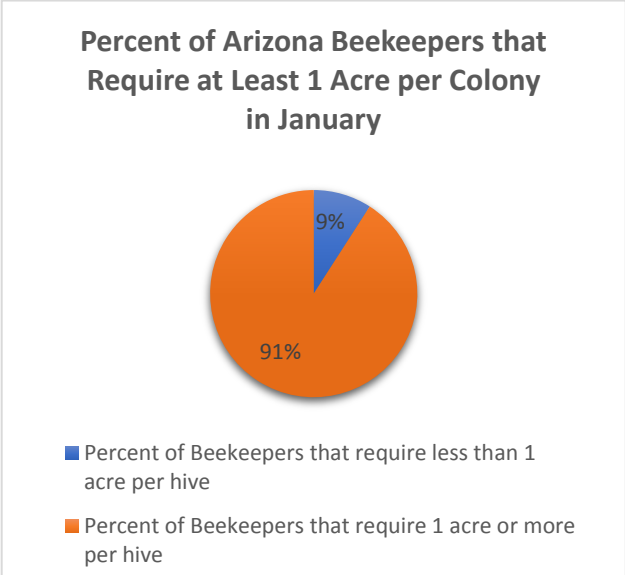
Arizona

In Arizona, a total of 11 beekeepers responded to the survey.



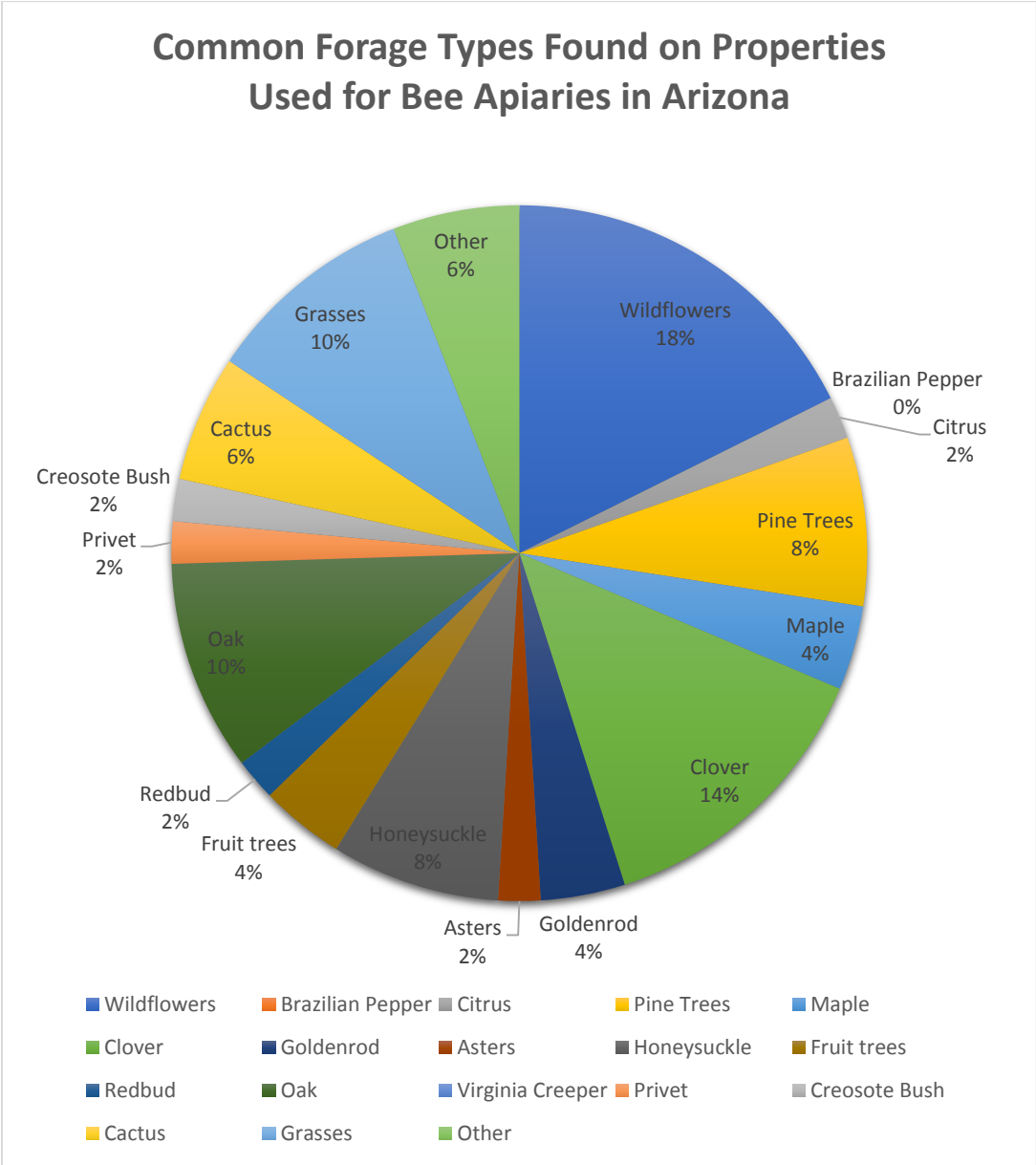
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Arizona (continued)



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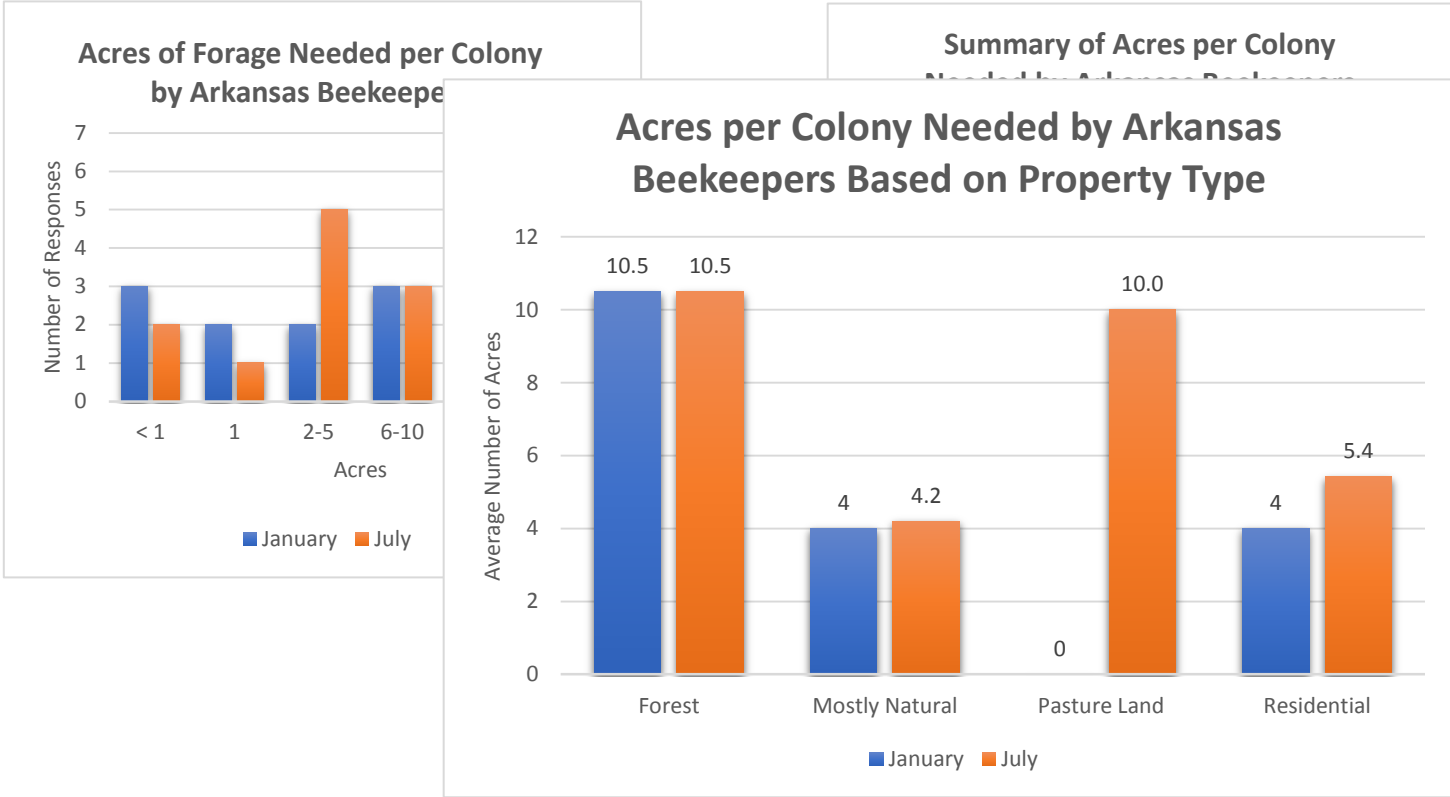
Arizona (continued)



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Arkansas

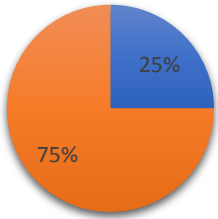
In Arkansas, a total of 19 beekeepers responded to the survey.



Arkansas (continued)

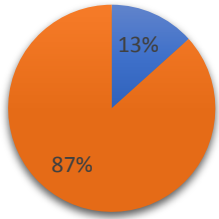
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Percent of Arkansas Beekeepers that Require at Least 1 Acre per Colony in January



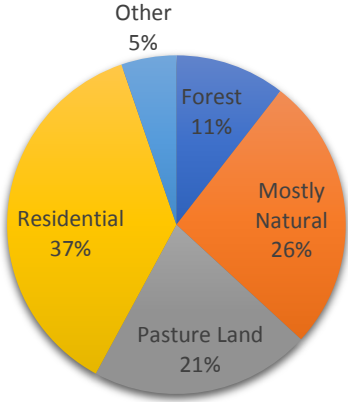
- Percent of Beekeepers that require less than 1 acre per hive
- Percent of Beekeepers that require 1 acre or more per hive

Percent of Arkansas Beekeepers that Require at Least 1 Acre per Colony in July



- Percent of Beekeepers that require less than 1 acre per hive
- Percent of Beekeepers that require 1 acre or more per hive

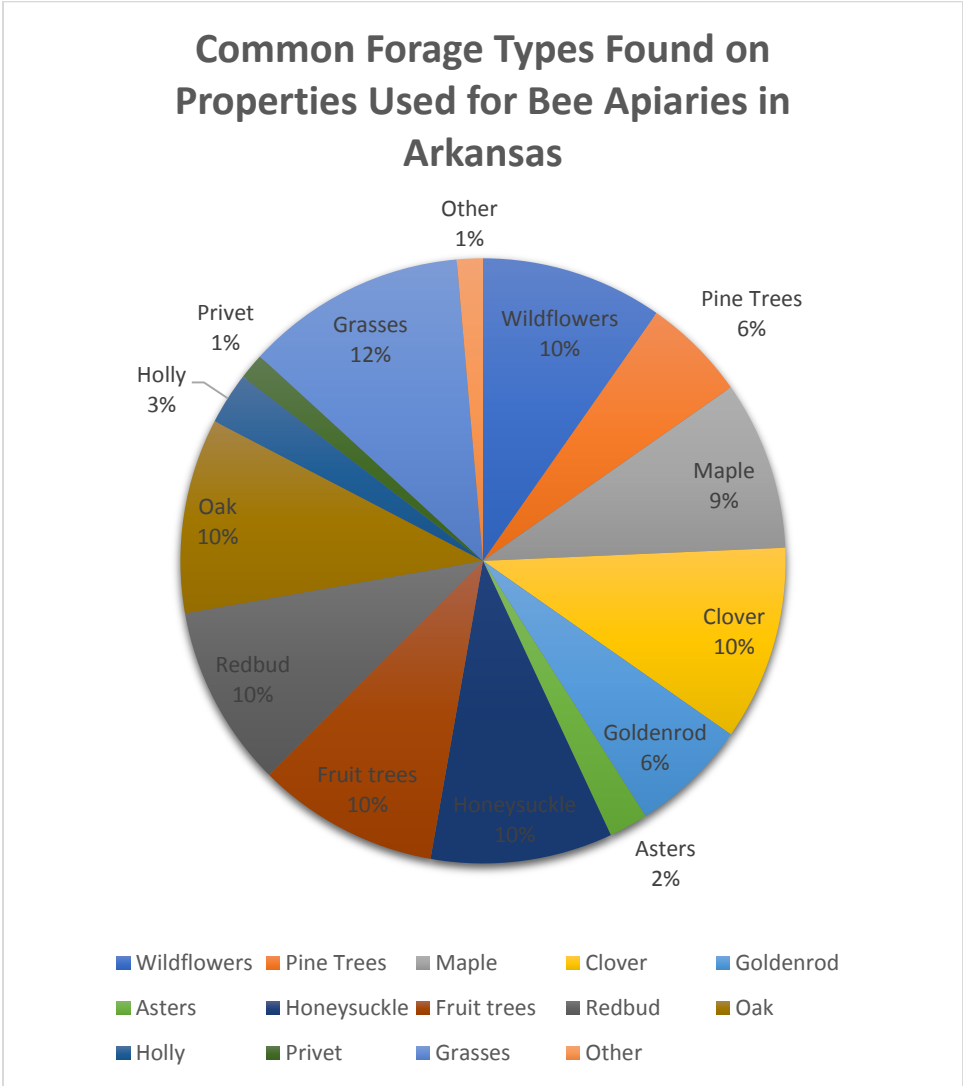
Common Property Types Used for Bee Apiaries in Arkansas



- Forest
- Mostly Natural
- Pasture Land
- Residential
- Other

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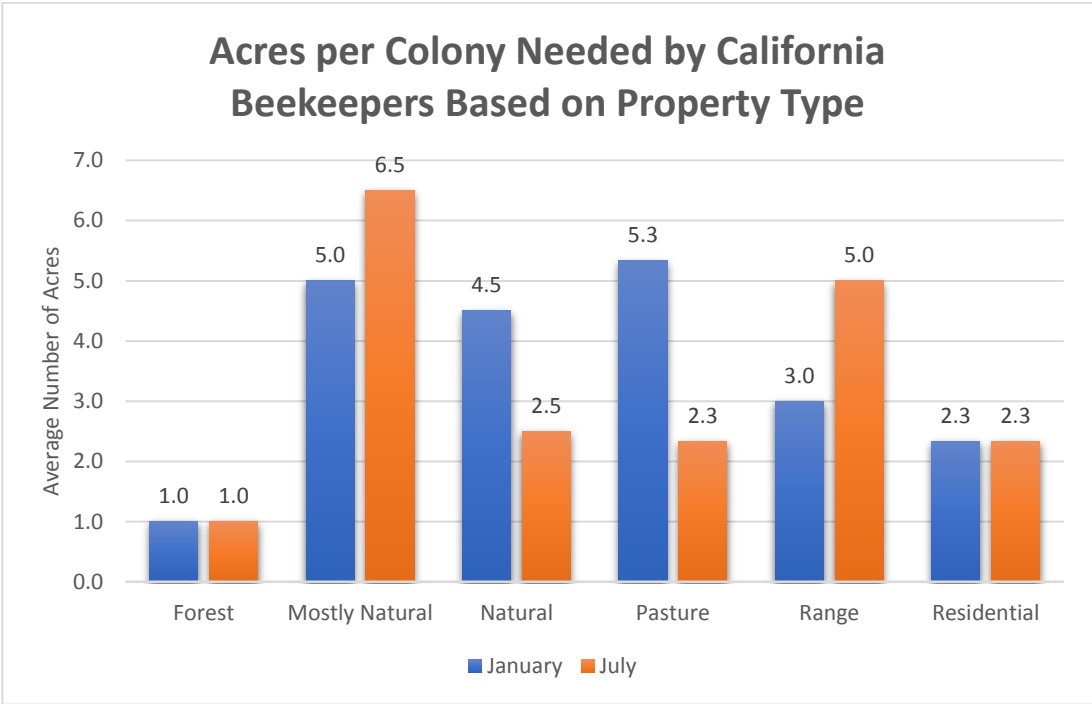
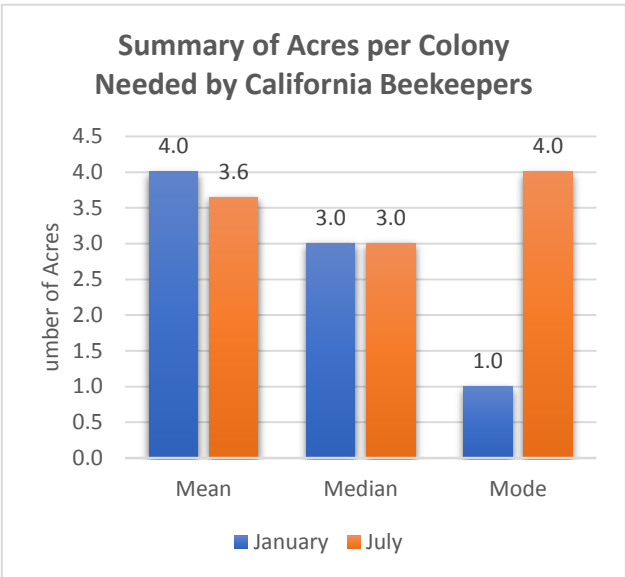
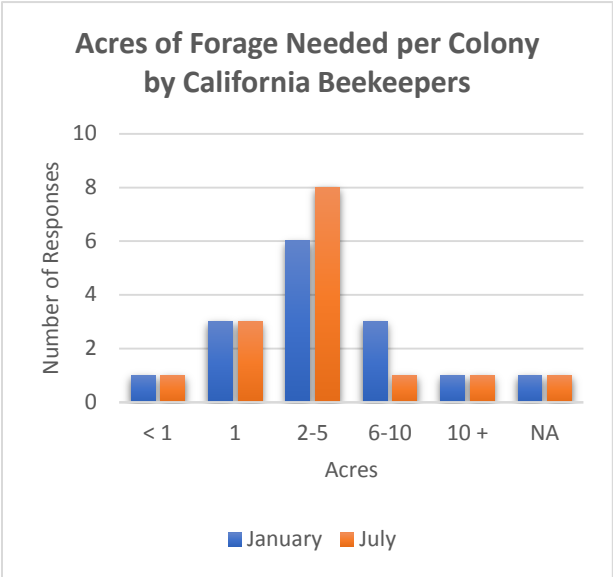
Arkansas (continued)



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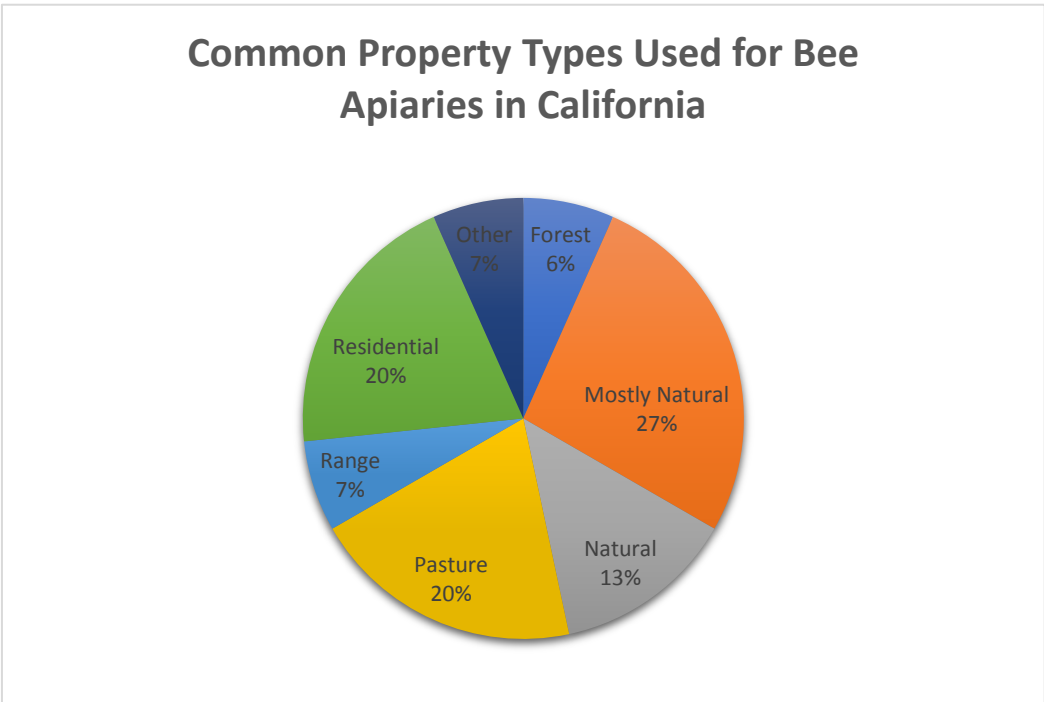
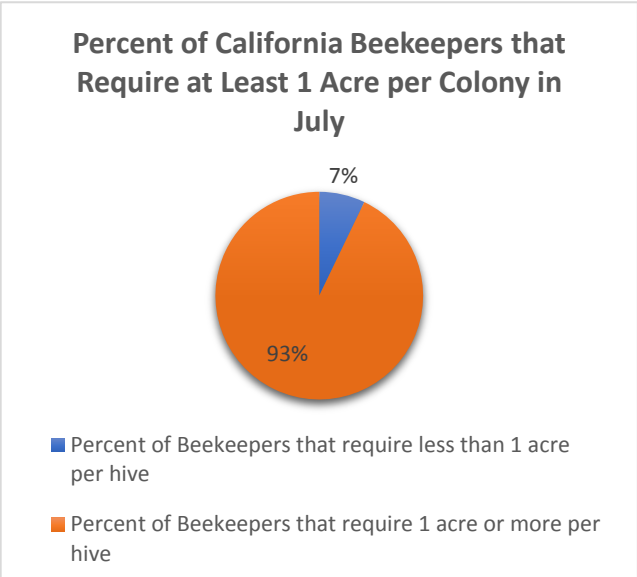
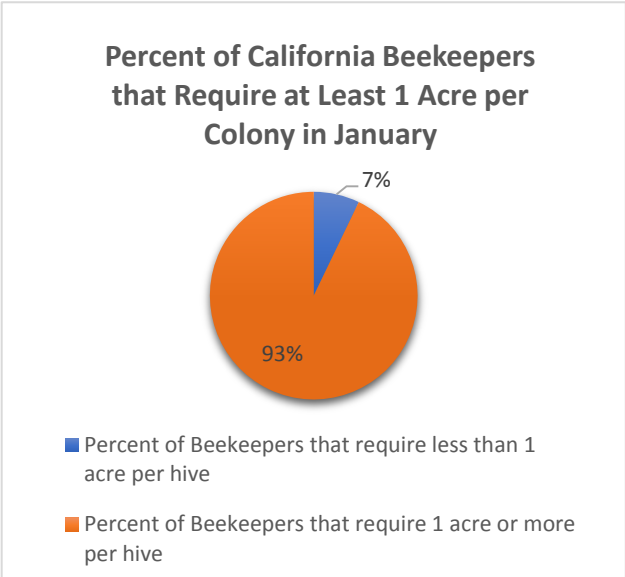
California

In California, a total of 15 beekeepers responded to the survey.



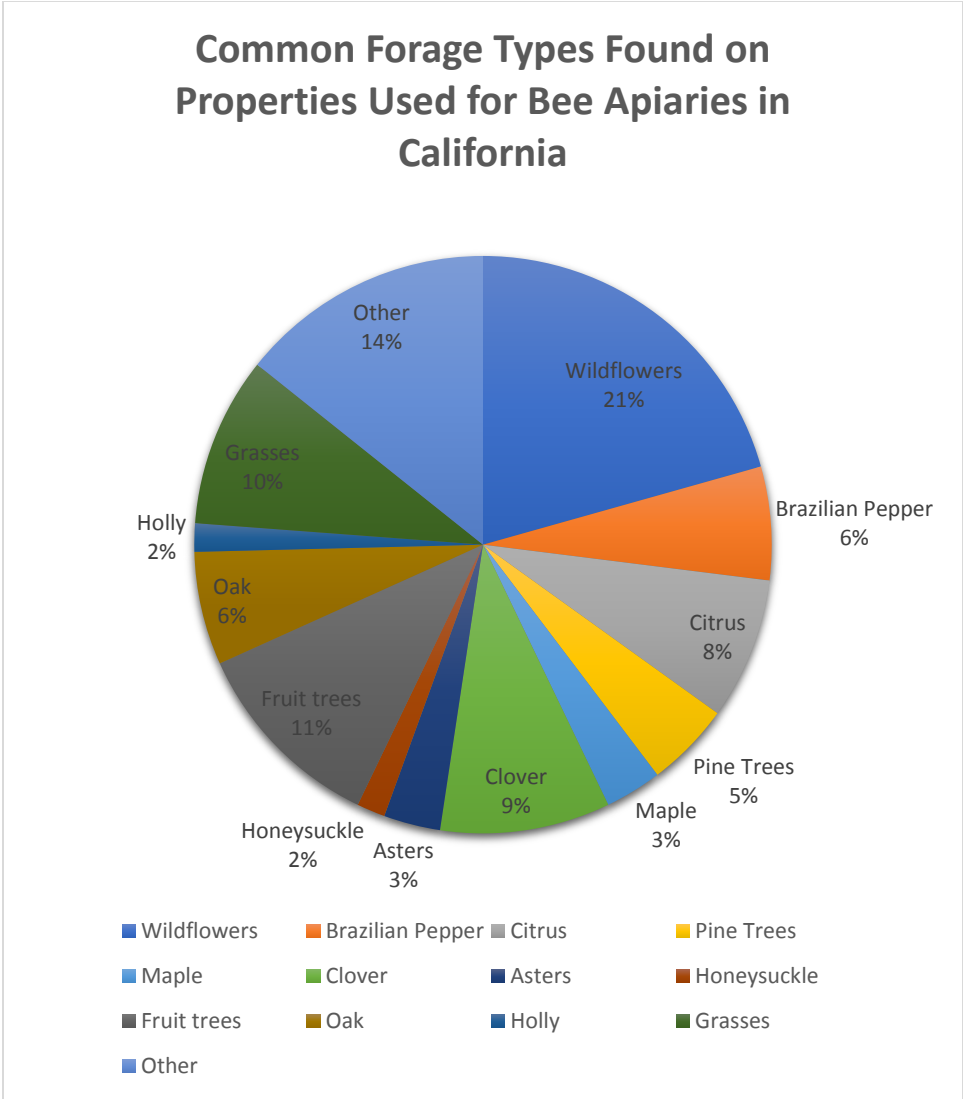
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California (continued)



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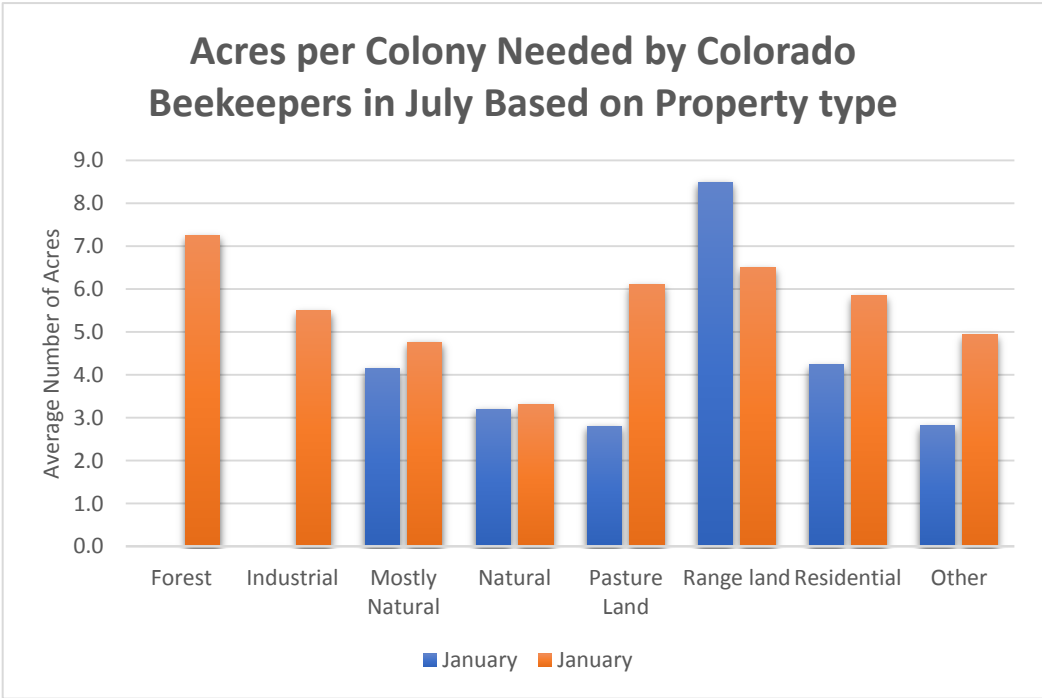
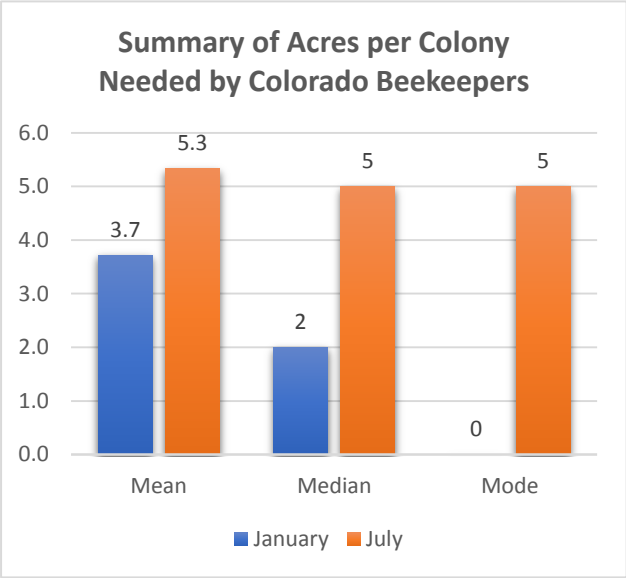
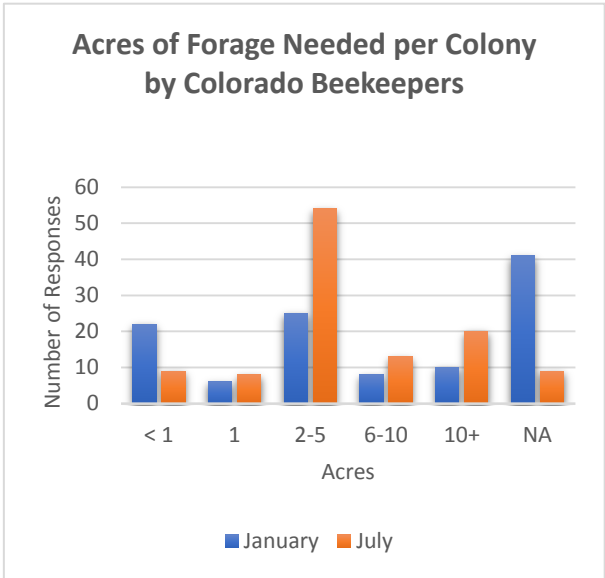
California (continued)



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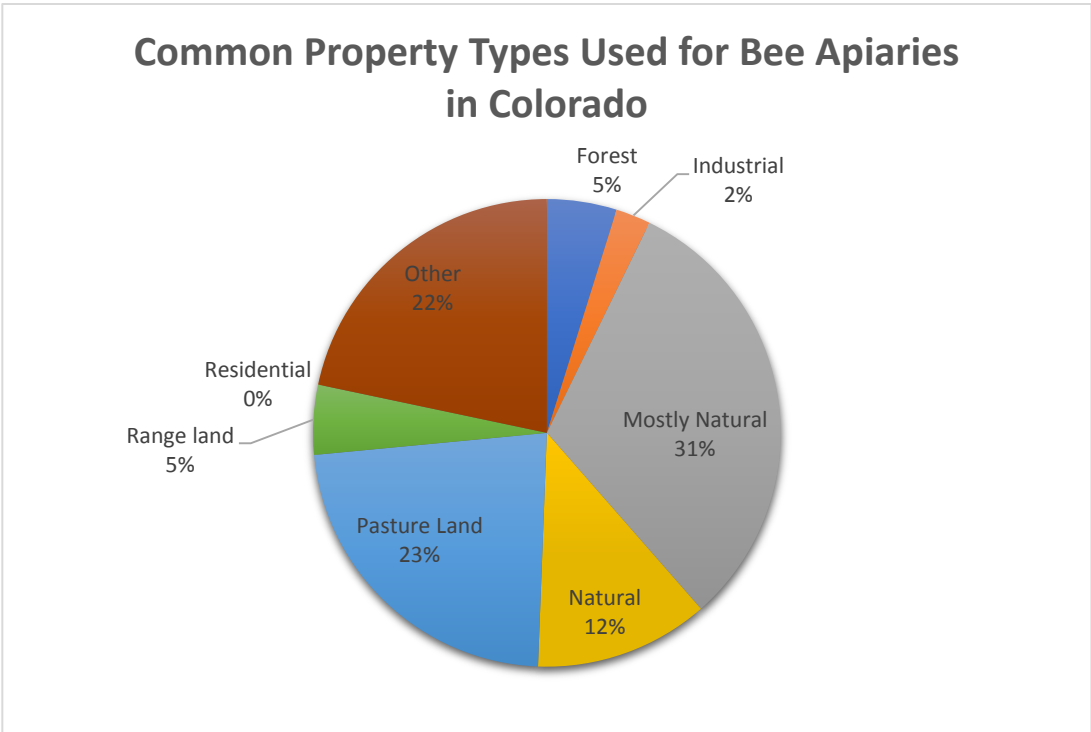
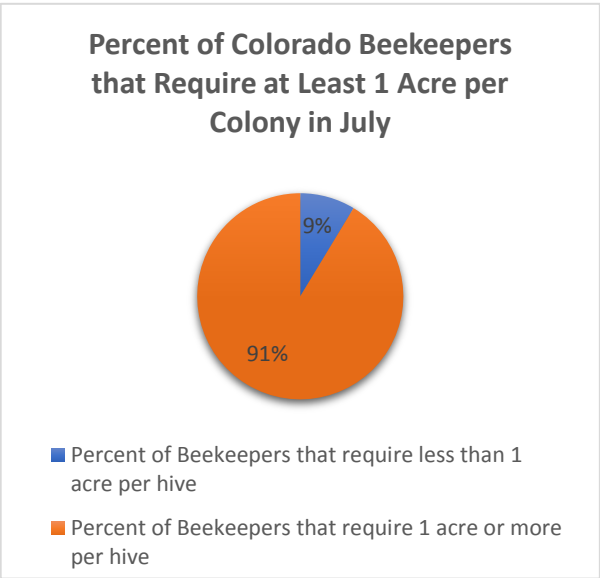
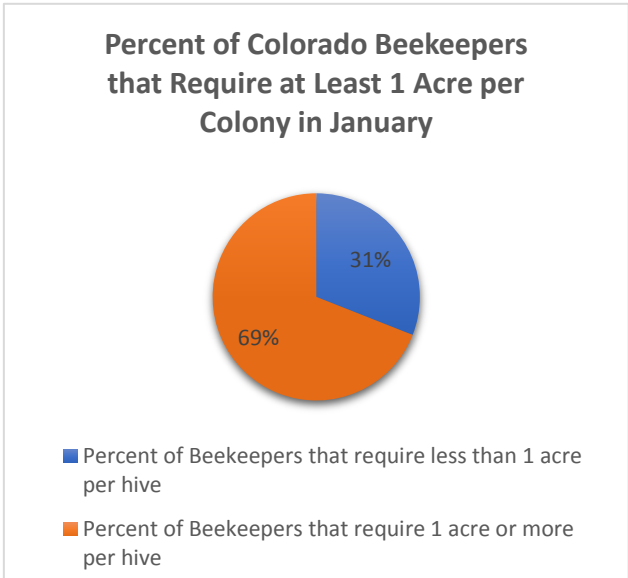
Colorado

In Colorado, a total of 117 beekeepers responded to the survey.



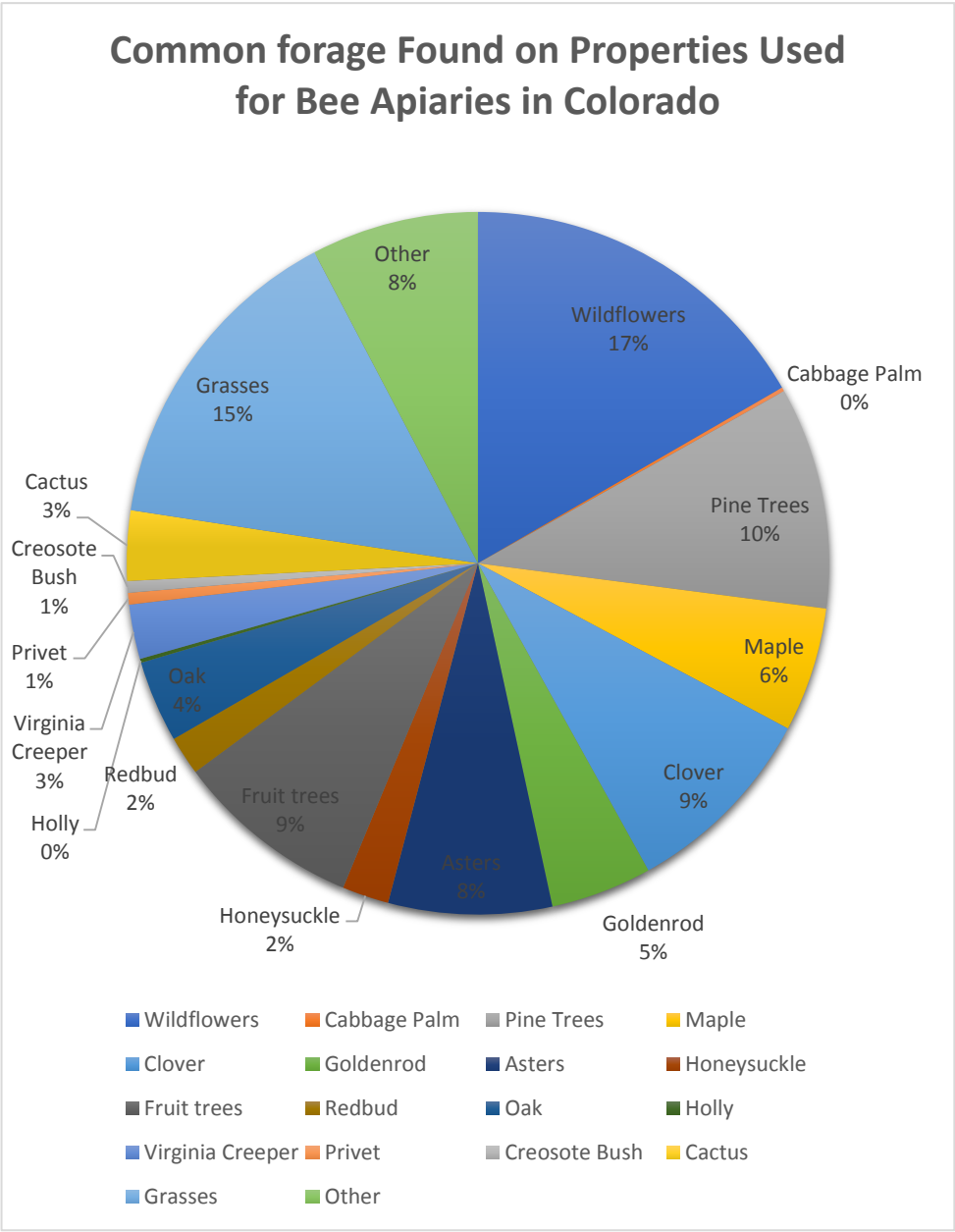
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Colorado (continued)



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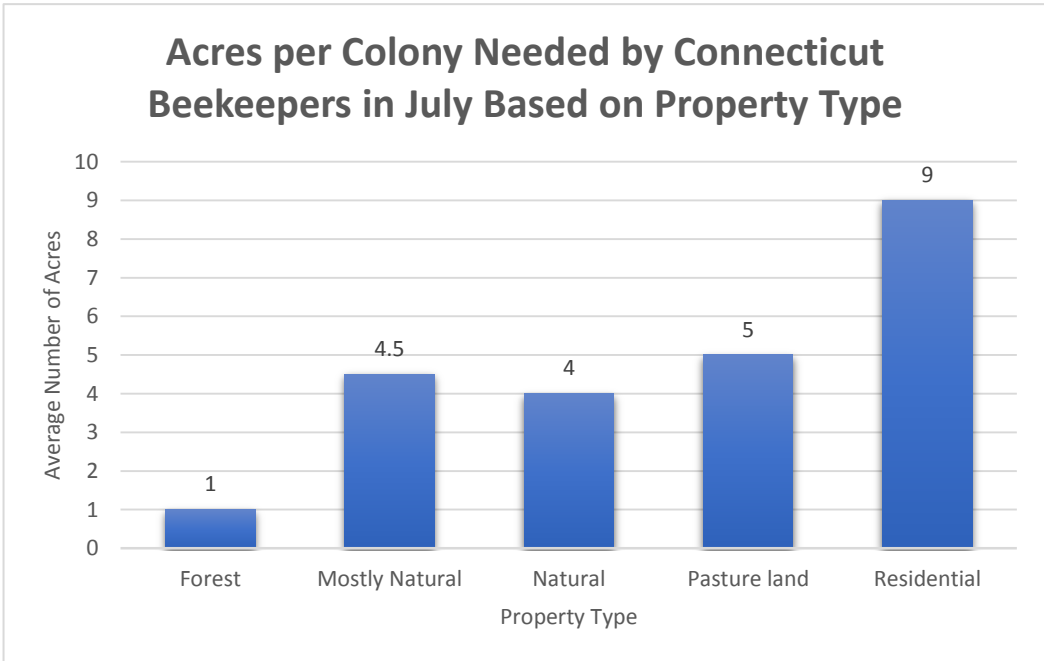
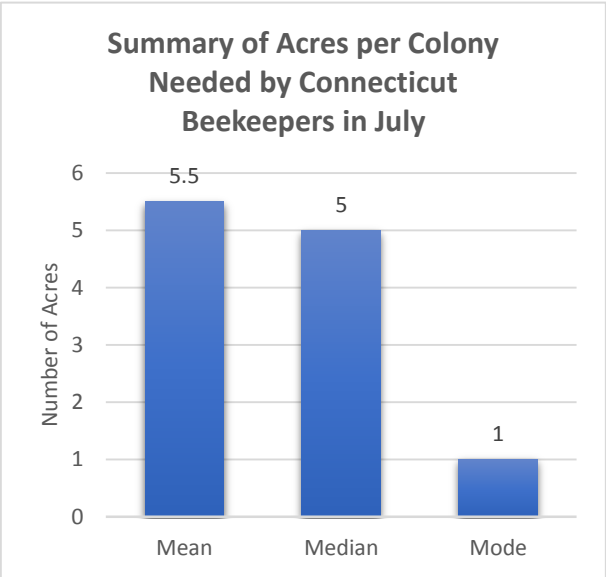
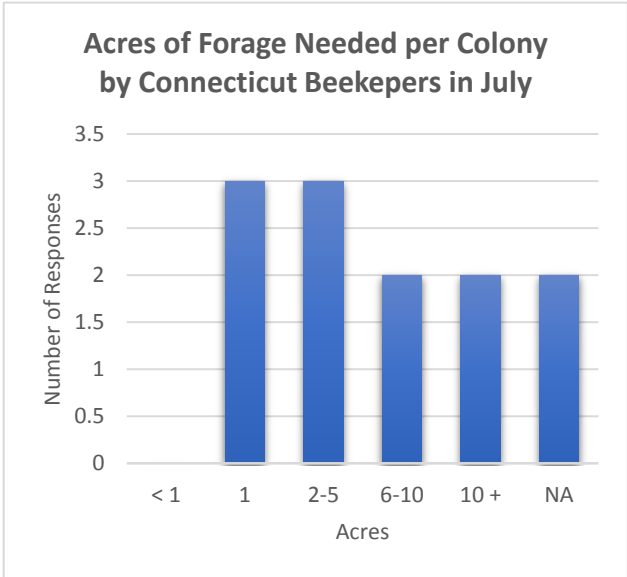
Colorado (continued)



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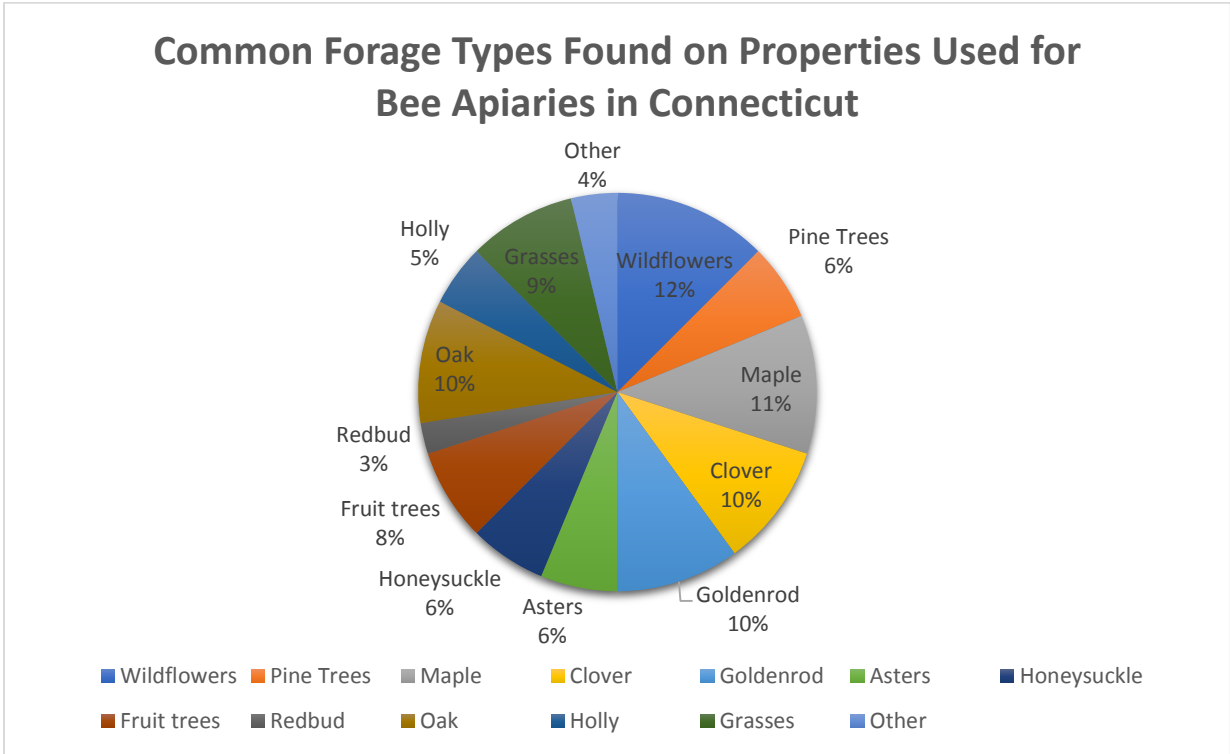
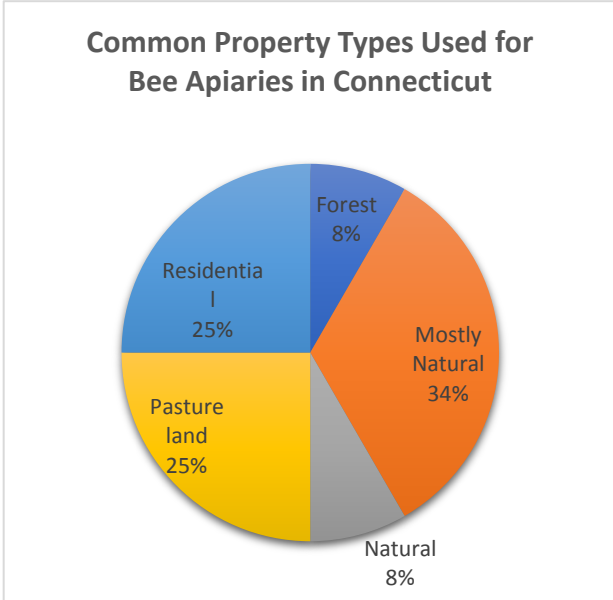
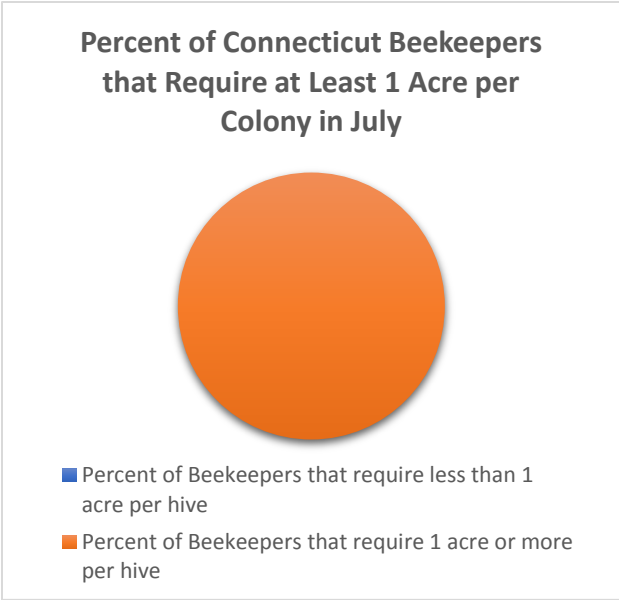
Connecticut

In Connecticut, a total of 12 beekeepers responded to the survey. No data was available for January because bees are typically not active in cold weather.



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Connecticut (continued)



Delaware

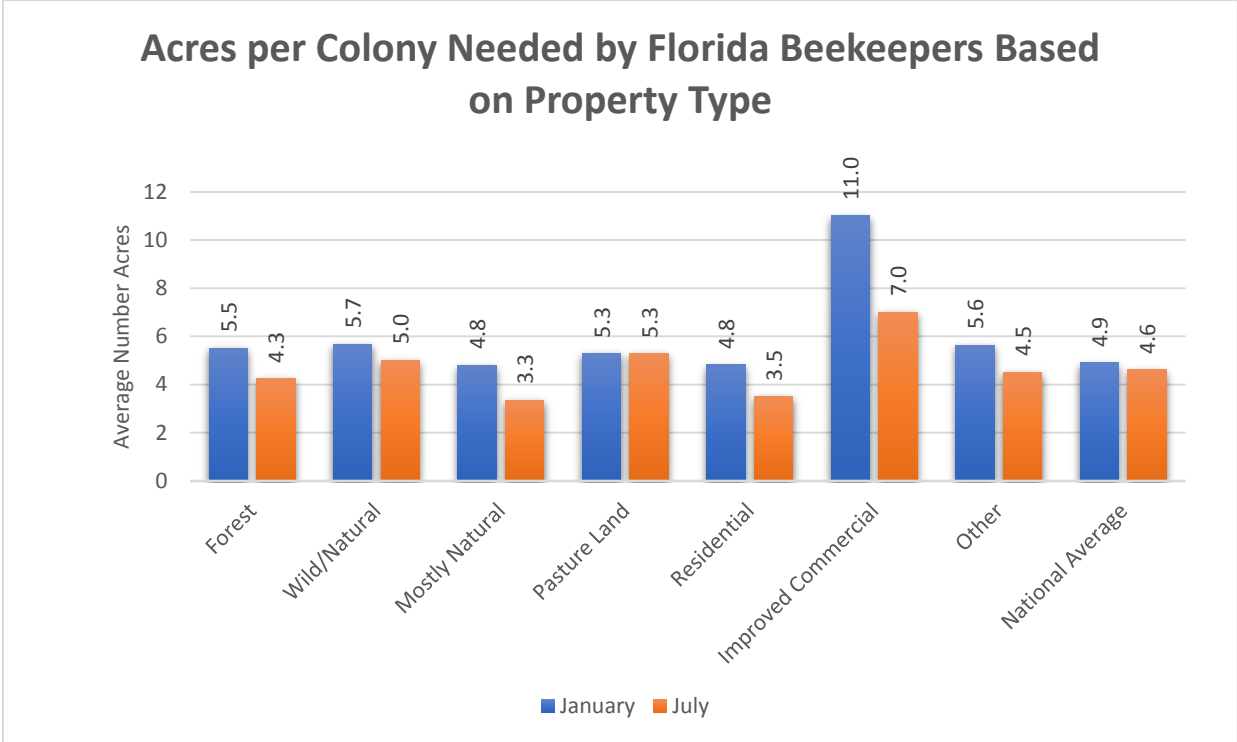
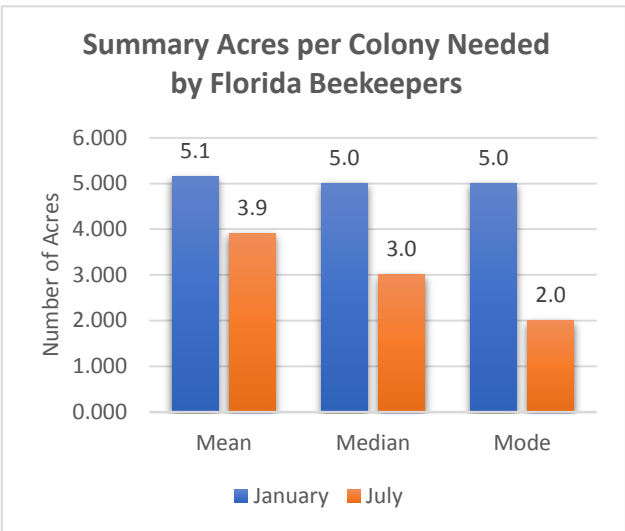
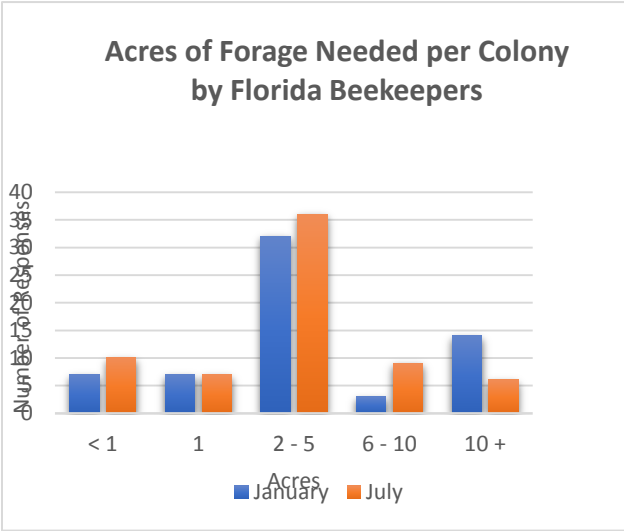
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No Data was available for Delaware.

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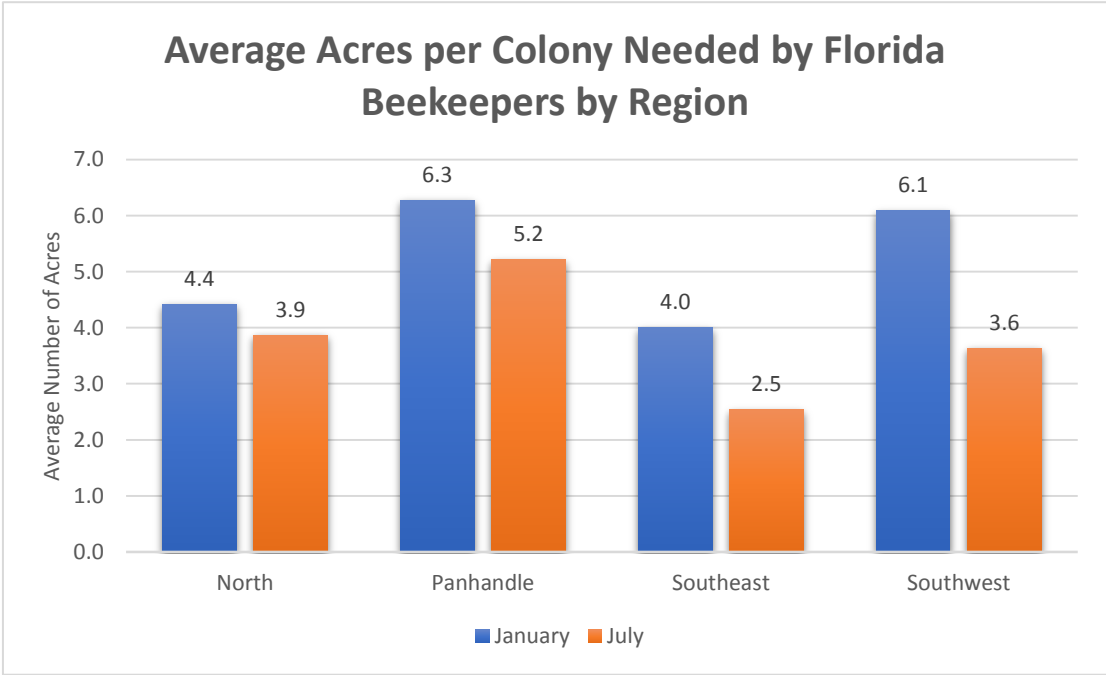
Florida

In Florida, a total of 73 beekeepers responded to the survey.

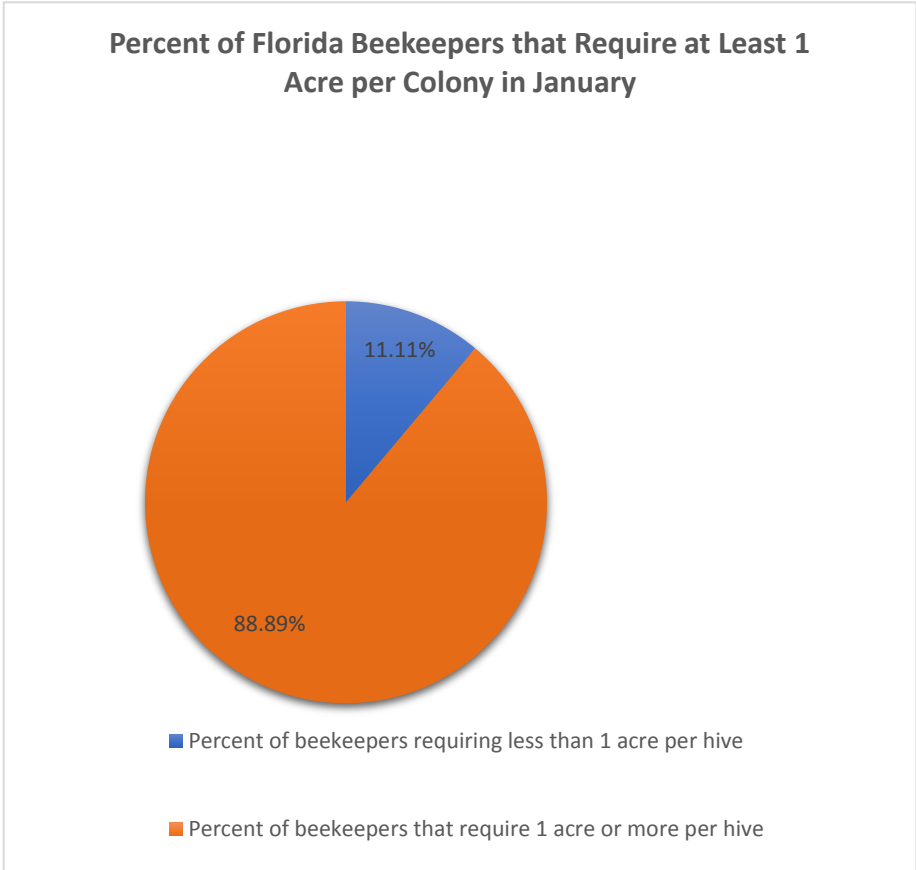


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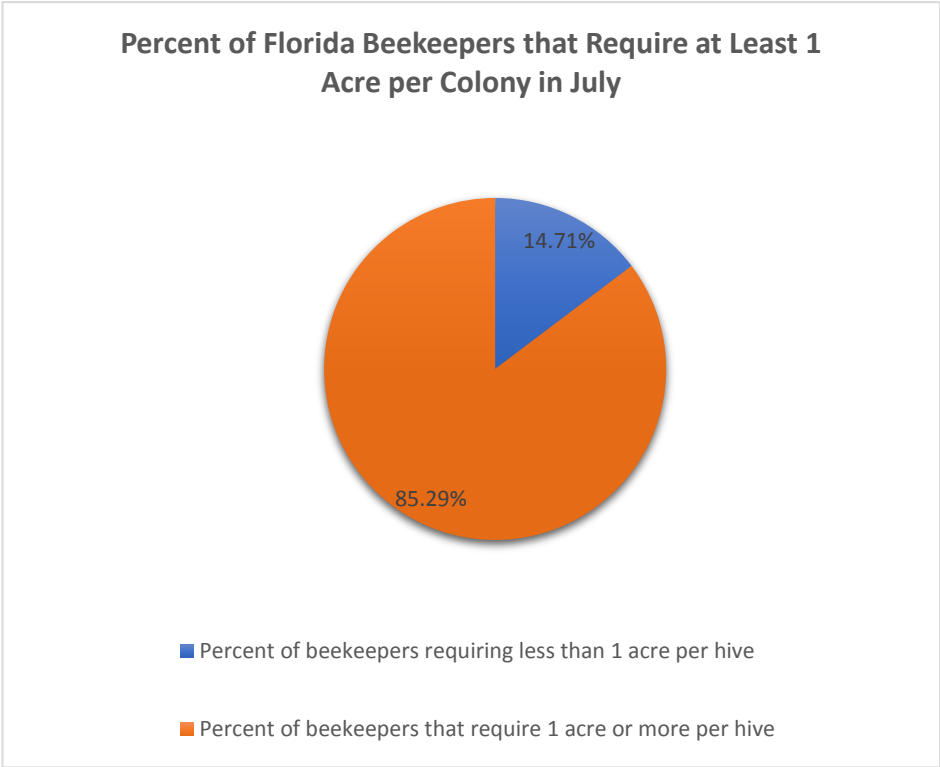
Florida (Continued)



The regions were divided by county as follows: North: Alachua, Bradford, Clay, Marion, Nassau, Putnam, Seminole, St. John, Union; Panhandle: Bay, Calhoun, Escambia, Gadsden, Gulf, Jackson, Jefferson, Leon, Okaloosa, Santa Rosa, Wakulla, Walton, Washington; Southeast: Brevard, Broward, Martin, Orange, Osceola, Palm Beach, St. Lucie; and Southwest: Collier, Lee.

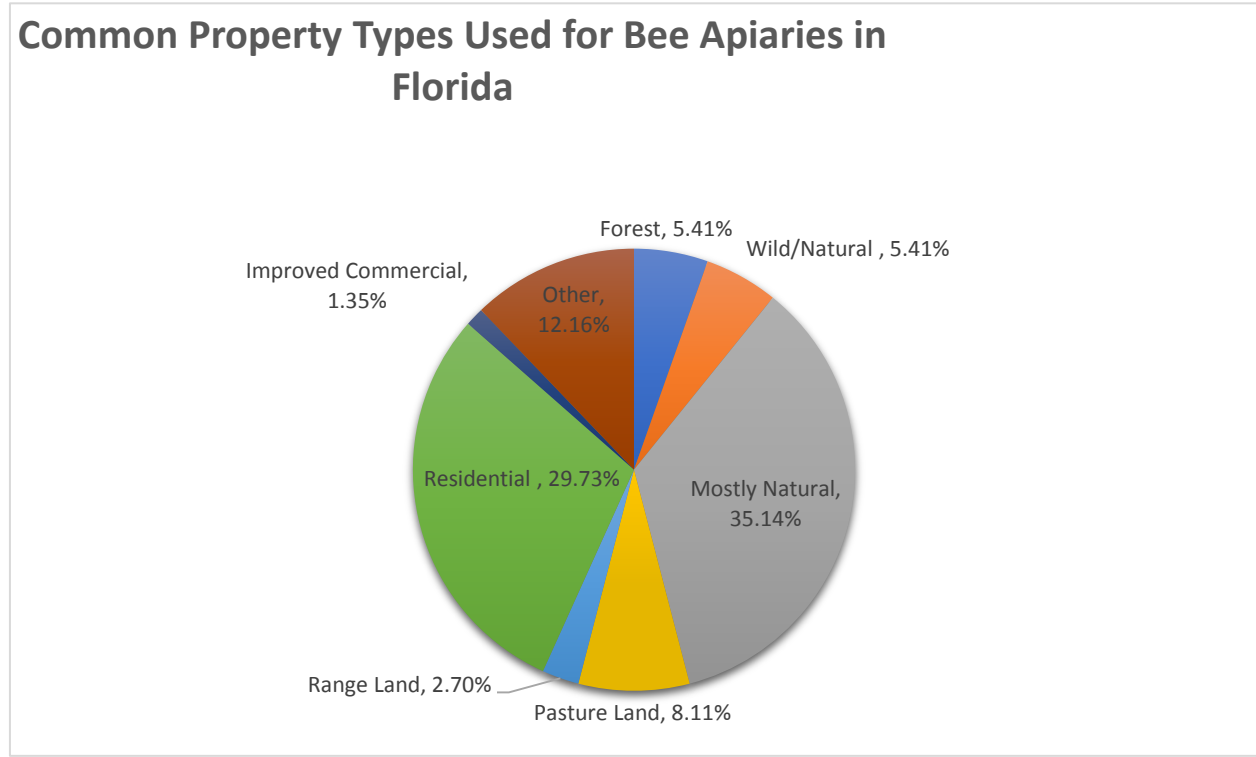
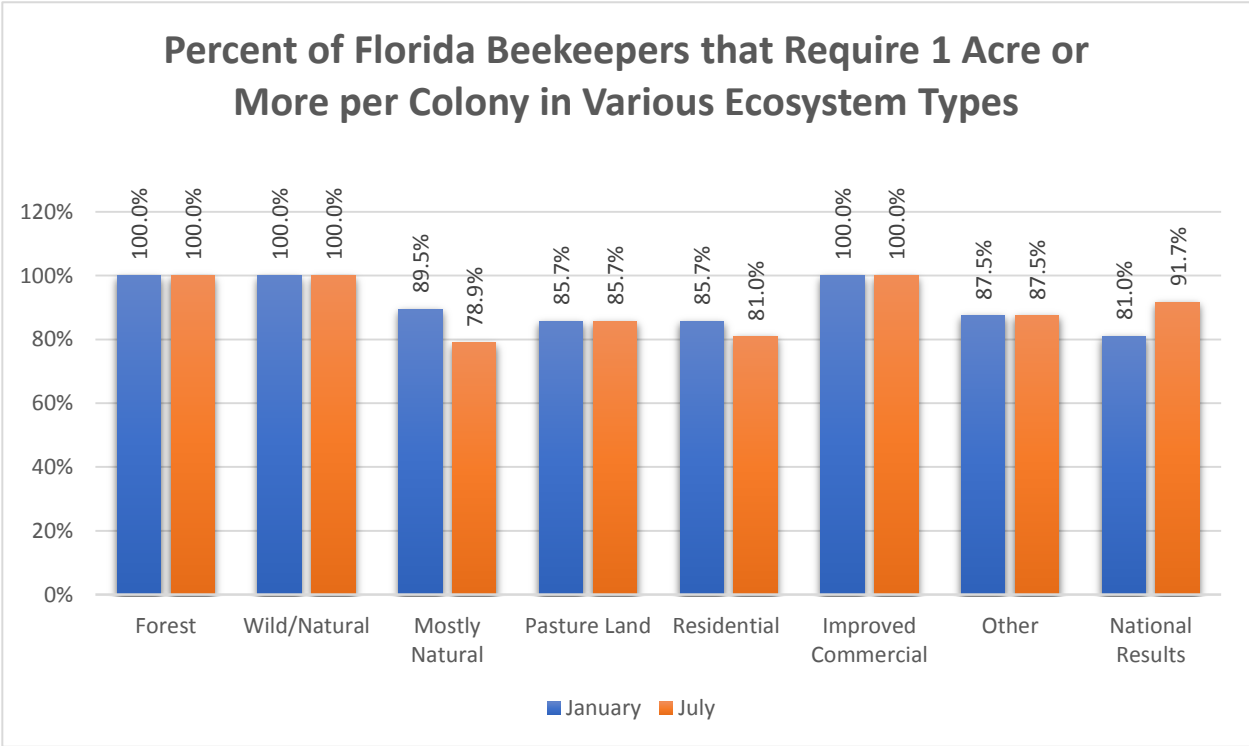


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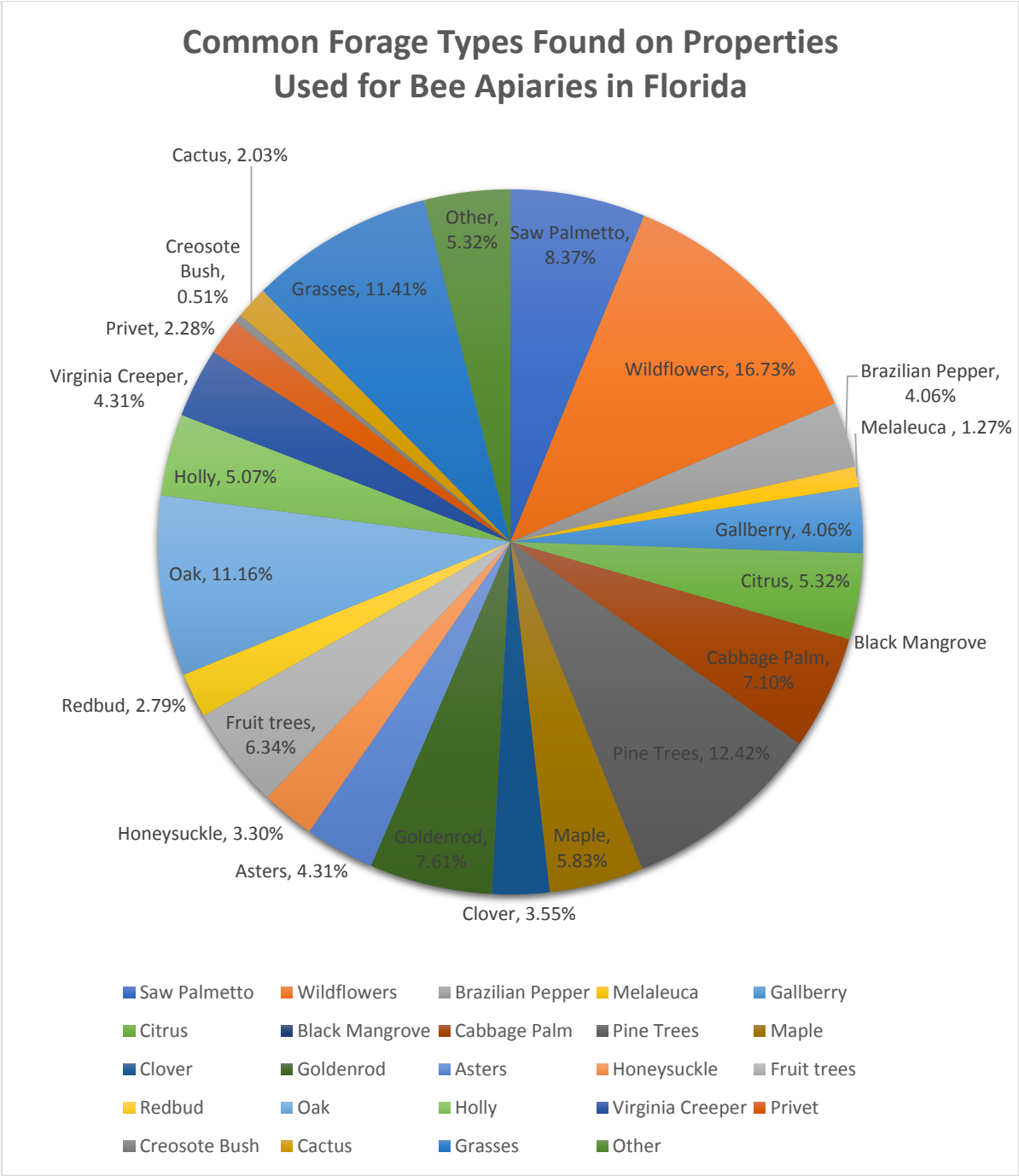
Florida
(Continued)

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NAPPC National Beekeeper Forage Survey

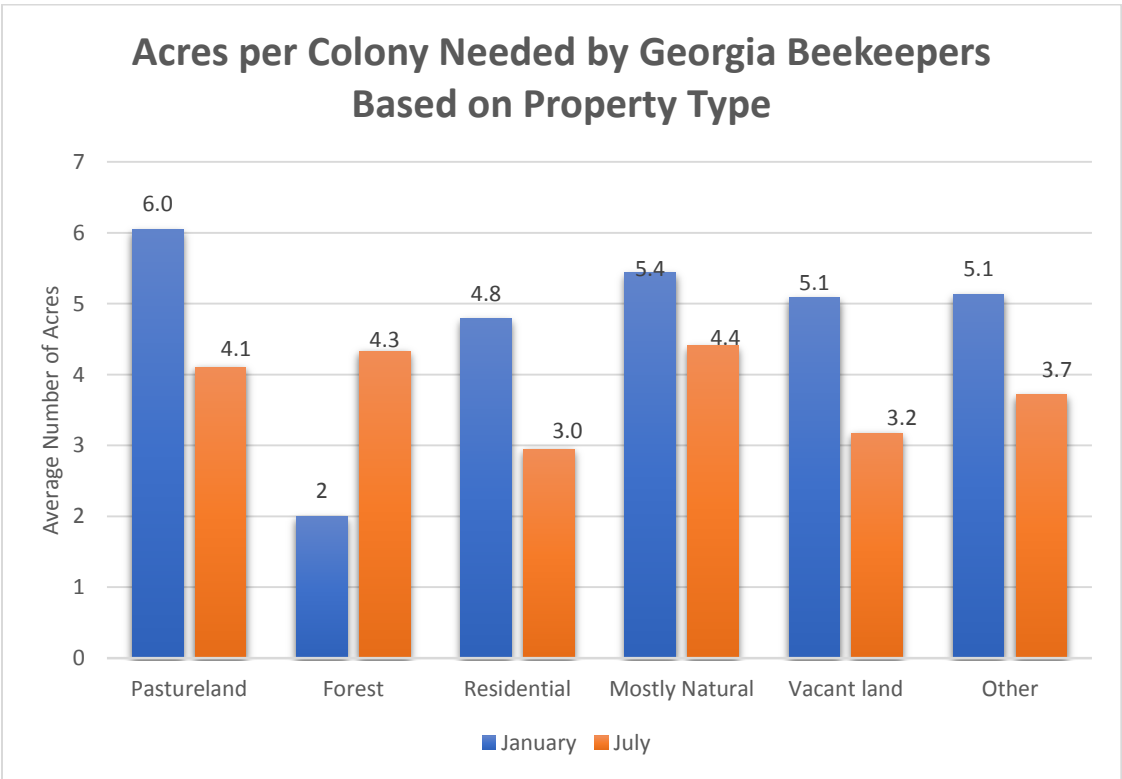
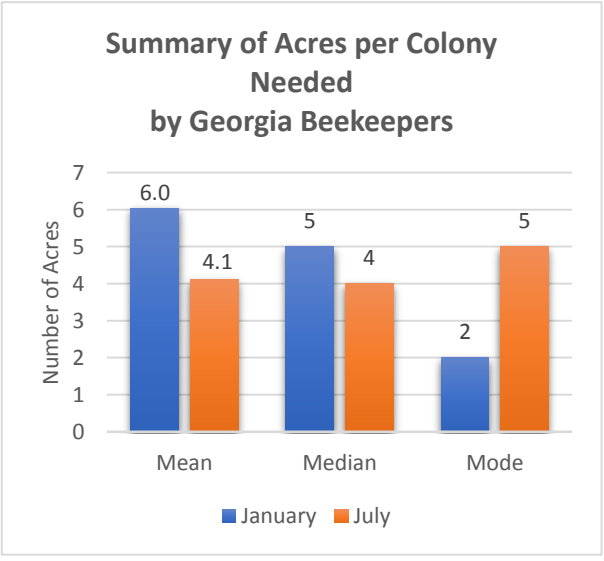
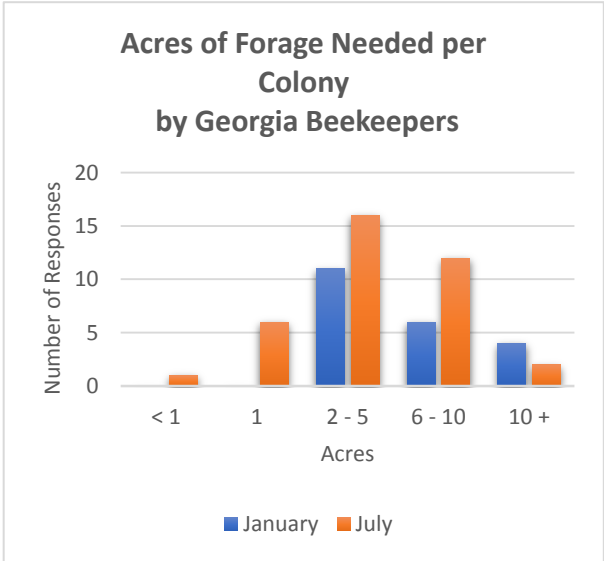
Florida (Continued)



NAPPC National Beekeeper Forage Survey

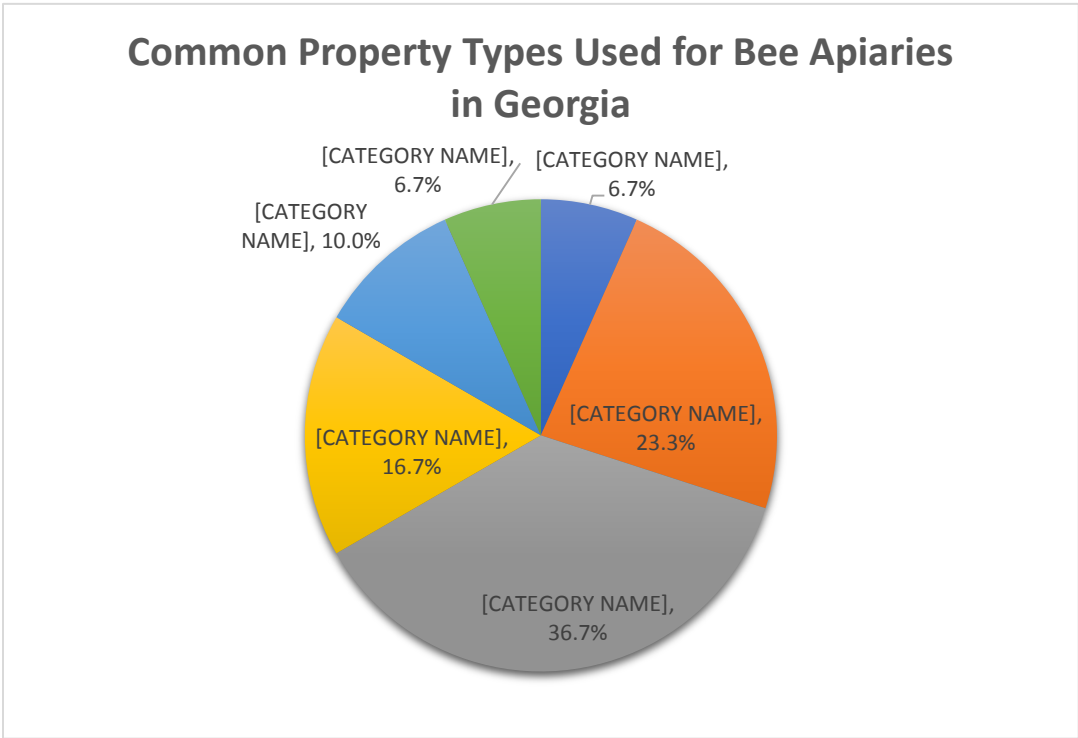
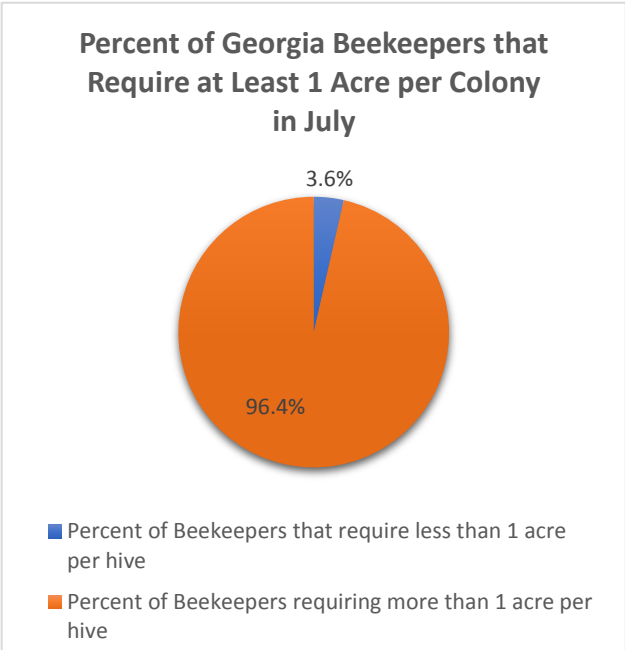
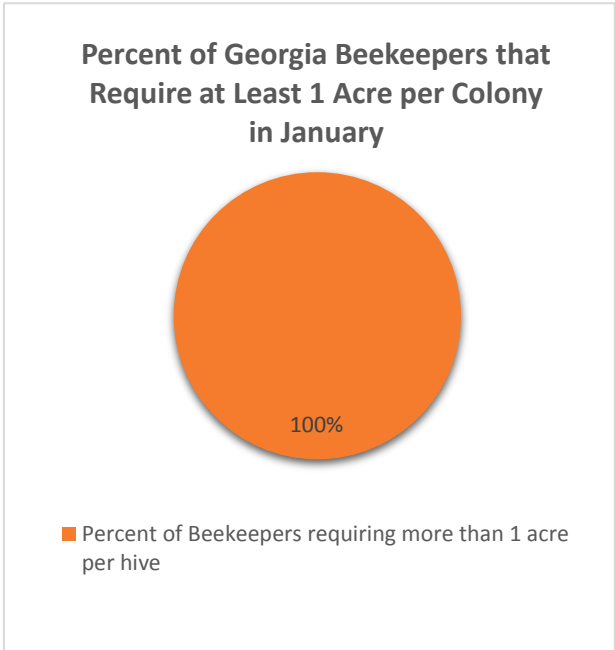
Georgia

In Georgia, a total of 30 beekeepers responded to the survey.



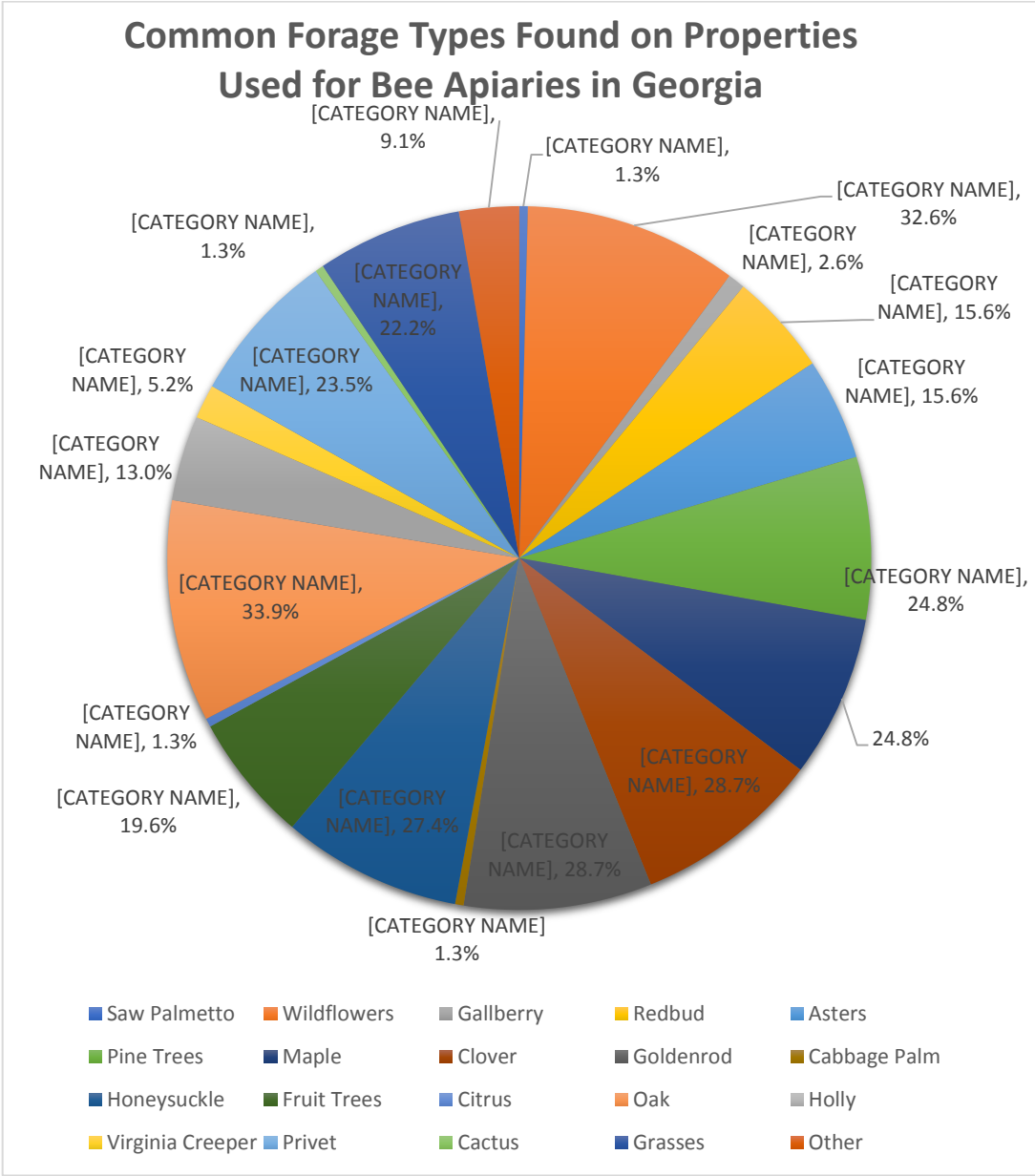
NAPPC National Beekeeper Forage Survey

Georgia (continued)



NAPPC National Beekeeper Forage Survey

Georgia (continued)



NAPPC National Beekeeper Forage Survey

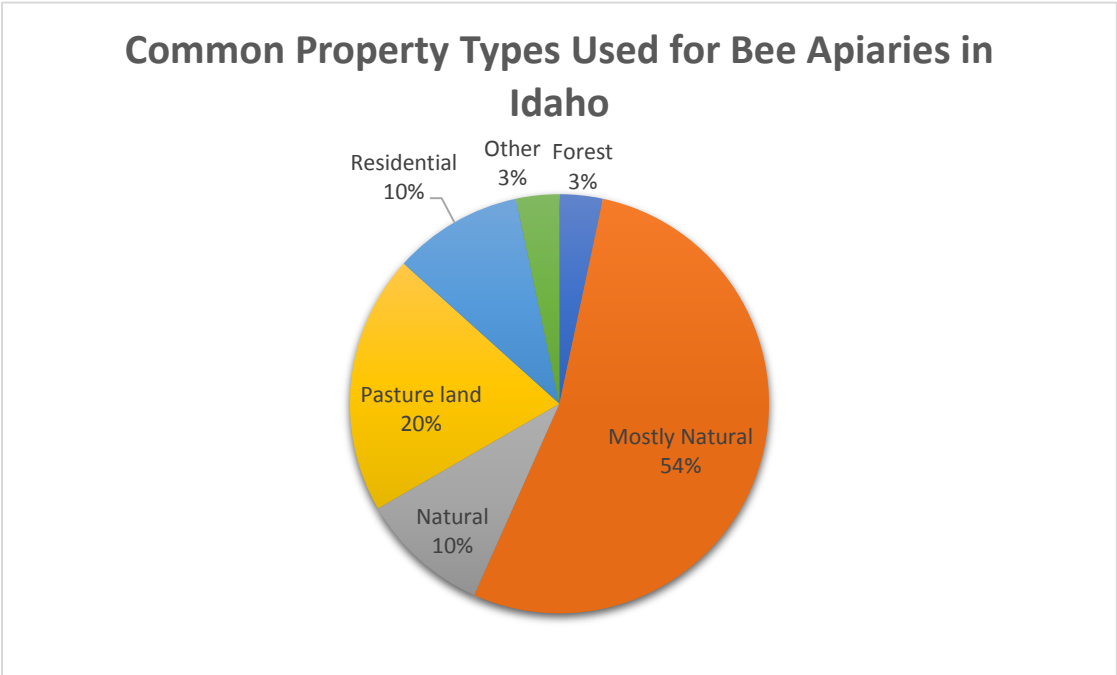
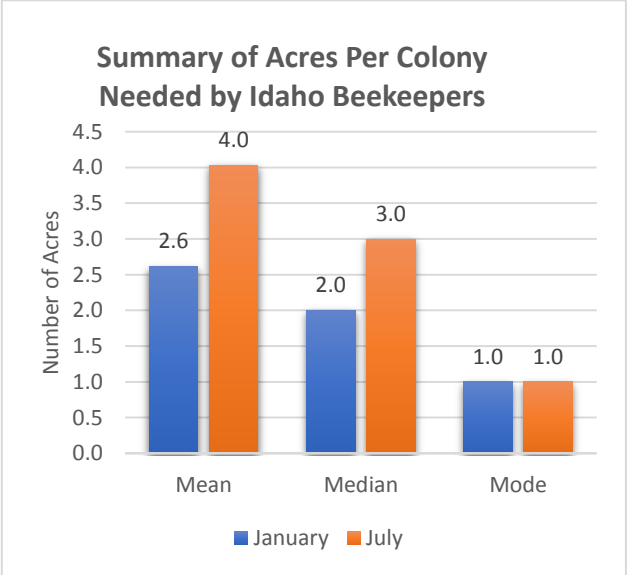
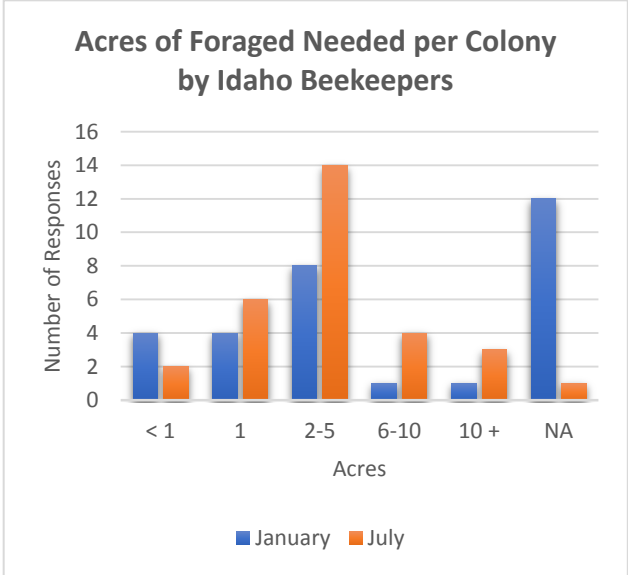
Hawaii

No Data was available for Hawaii.

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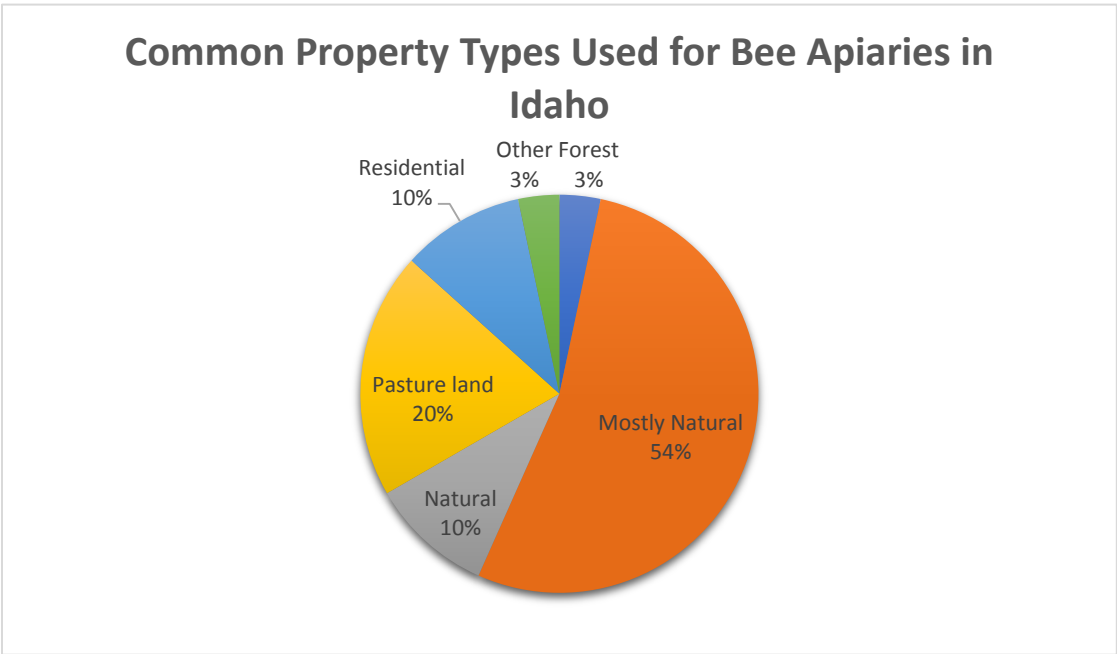
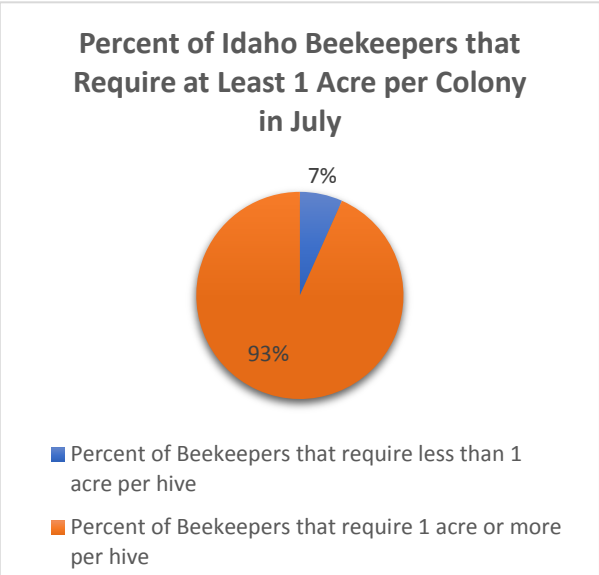
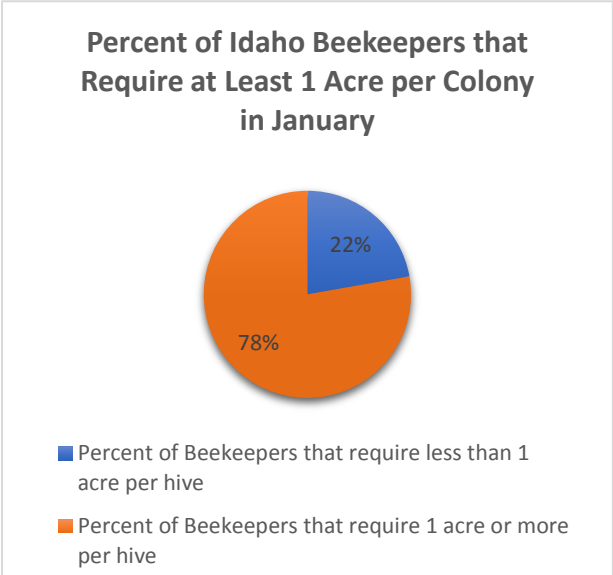
Idaho

In Idaho, a total of 30 beekeepers responded to the survey.



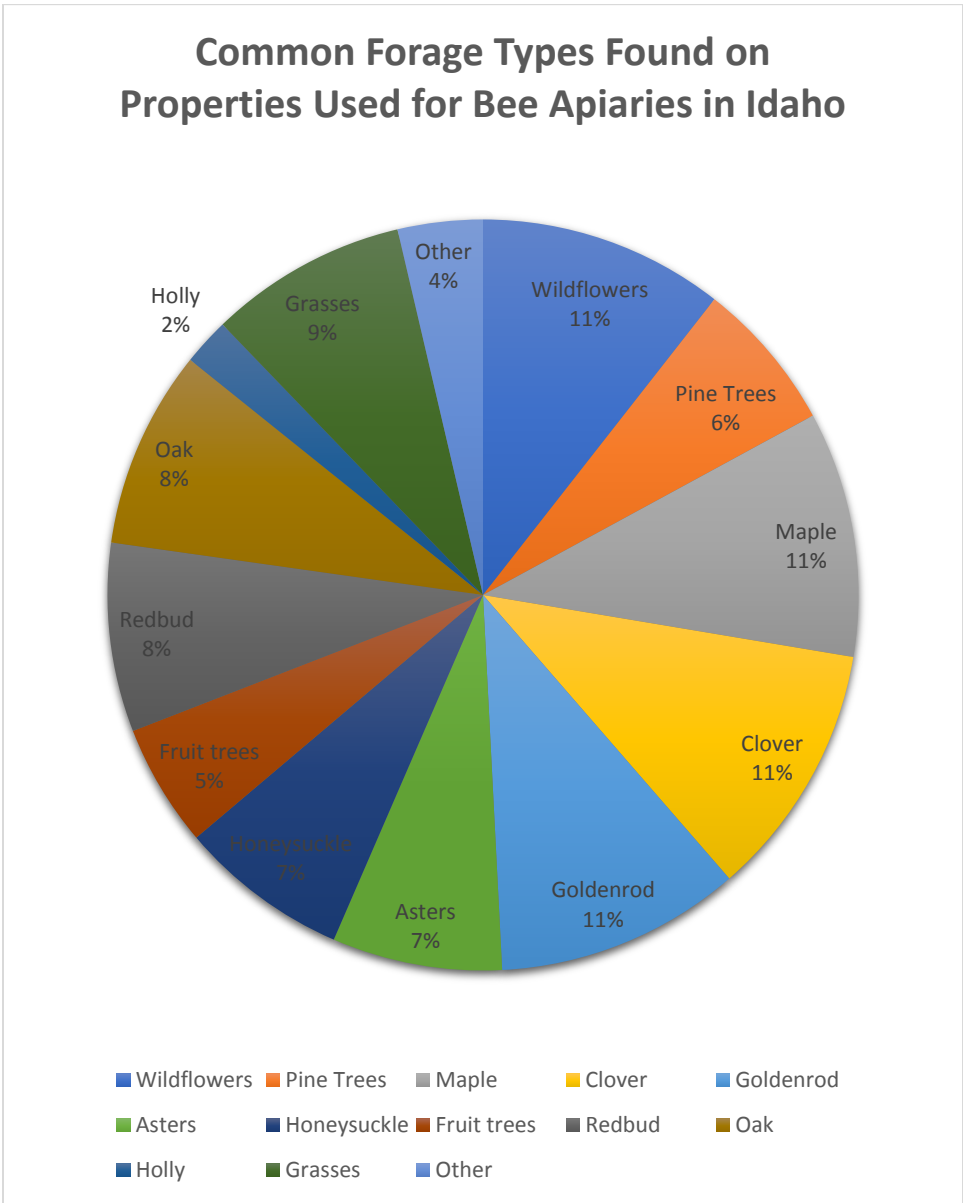
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Idaho (continued)



NAPPC National Beekeeper Forage Survey

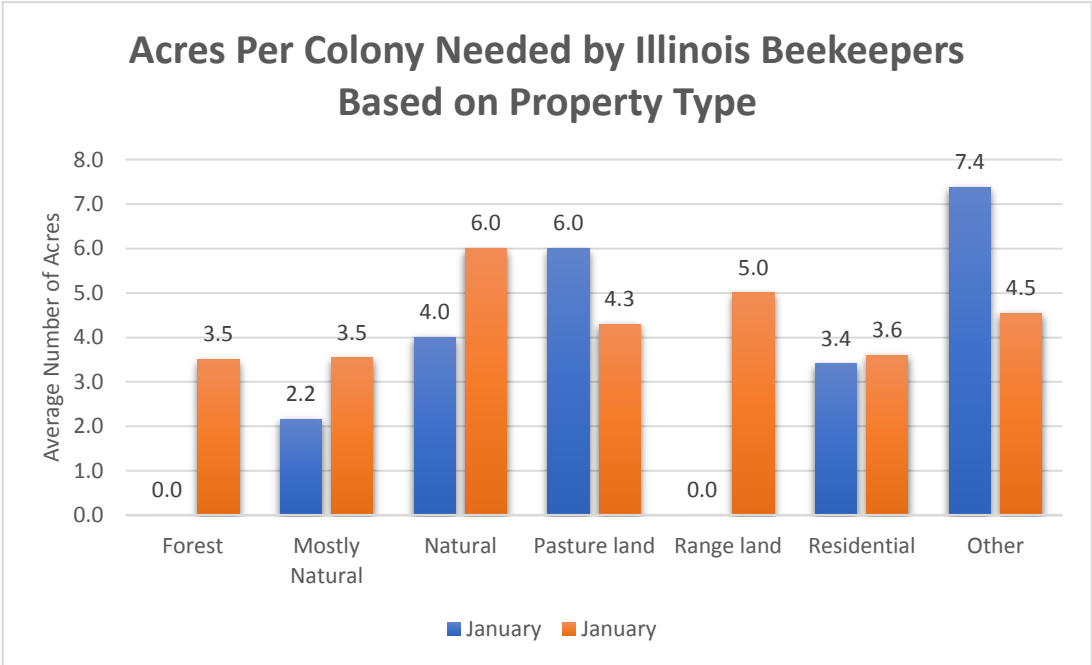
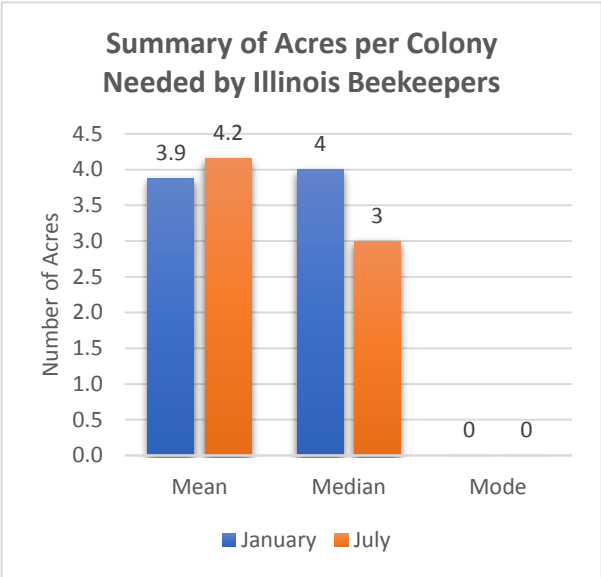
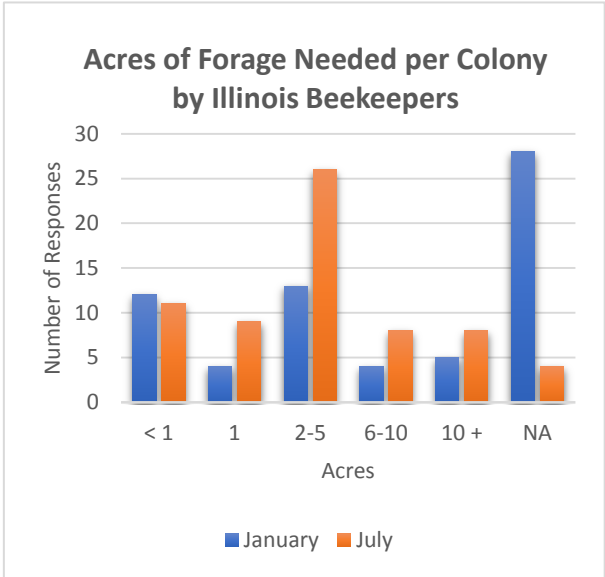
Idaho (continued)



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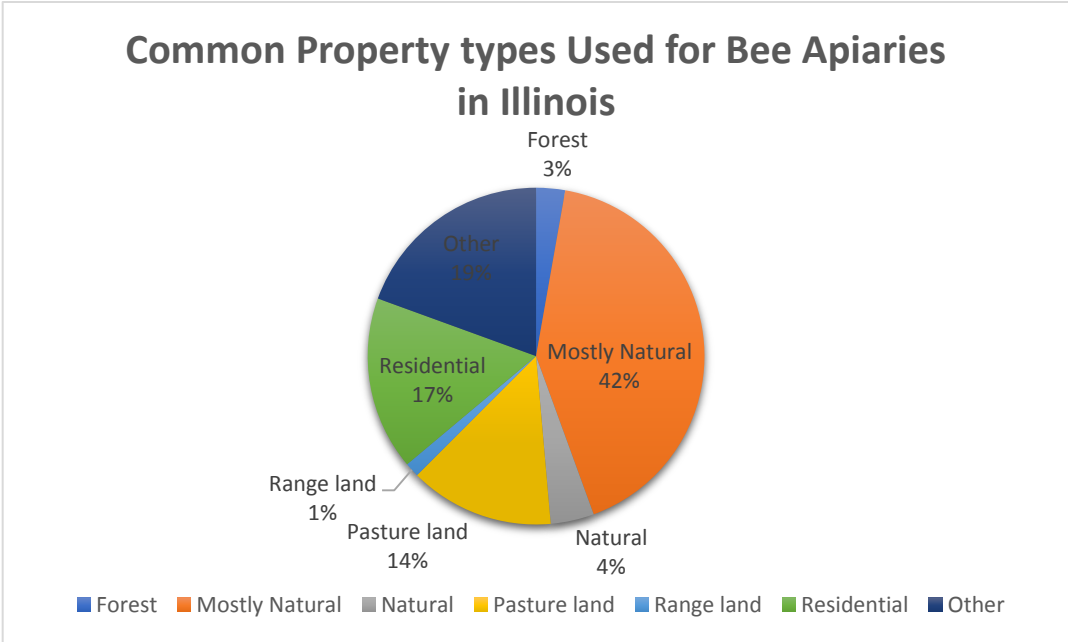
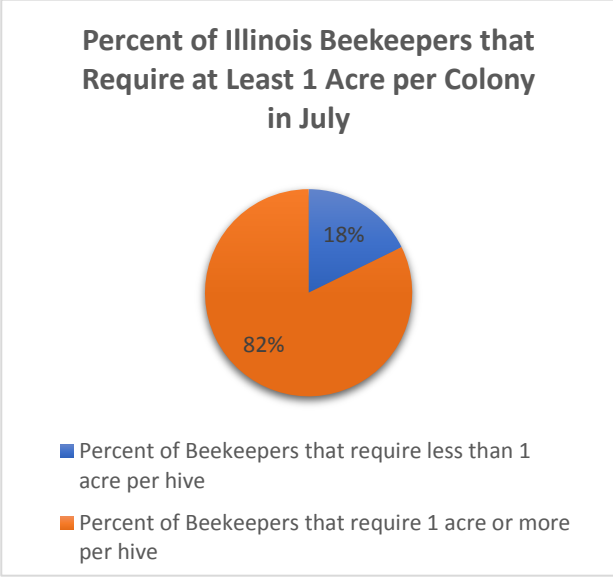
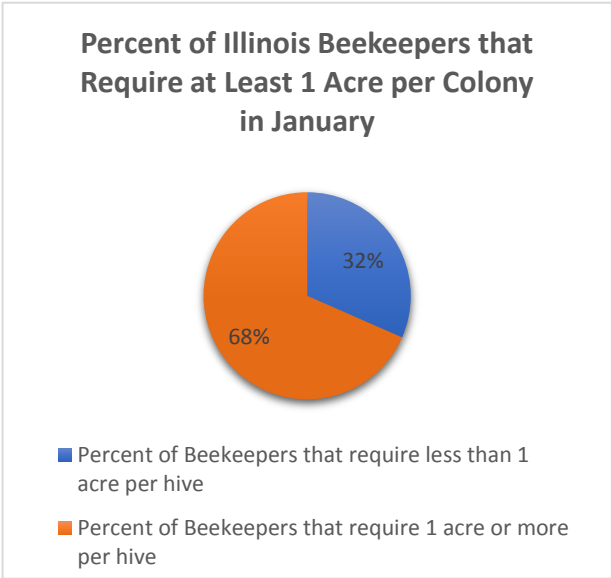
Illinois

In Illinois, a total of 72 beekeepers responded to the survey.



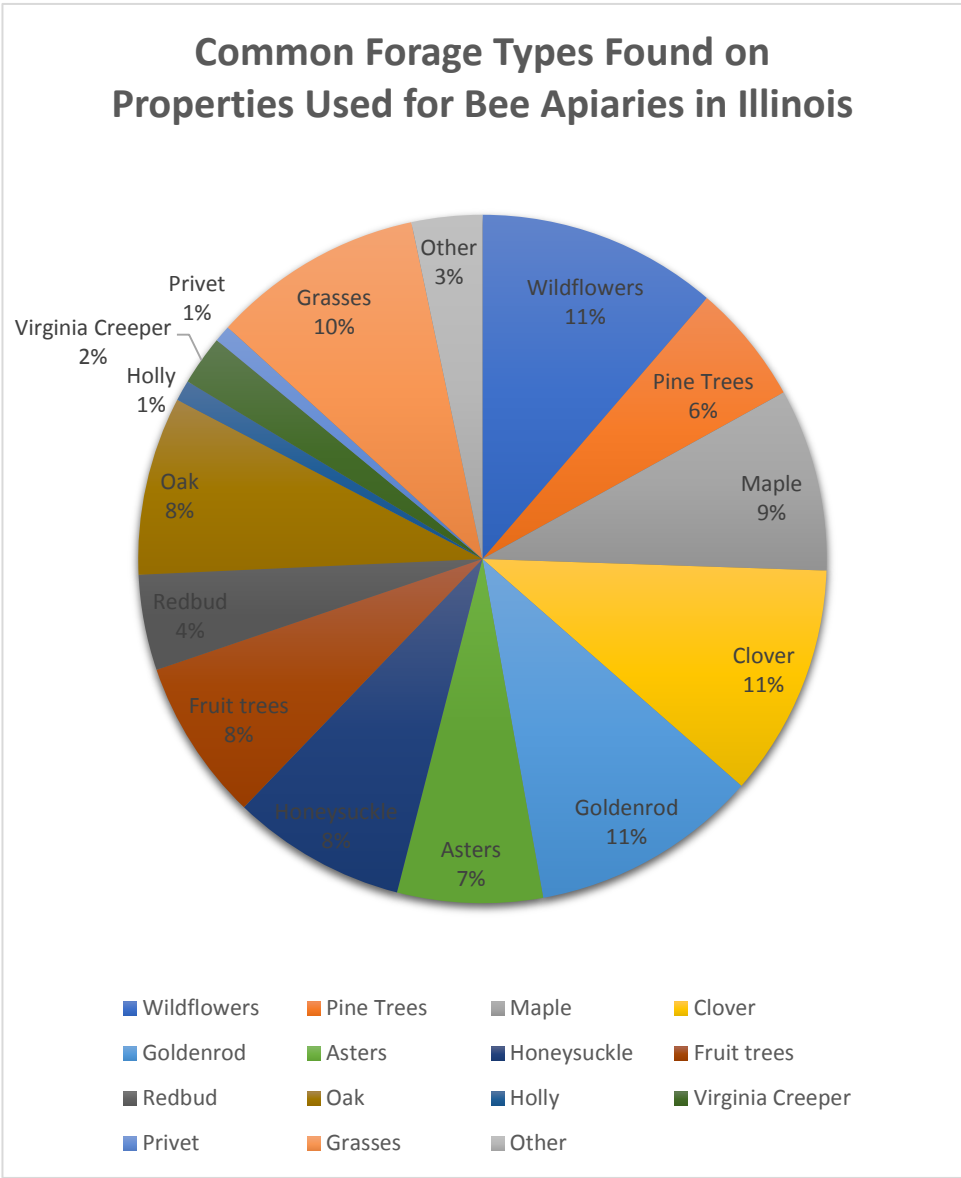
NAPPC National Beekeeper Forage Survey

Illinois (continued)



NAPPC National Beekeeper Forage Survey

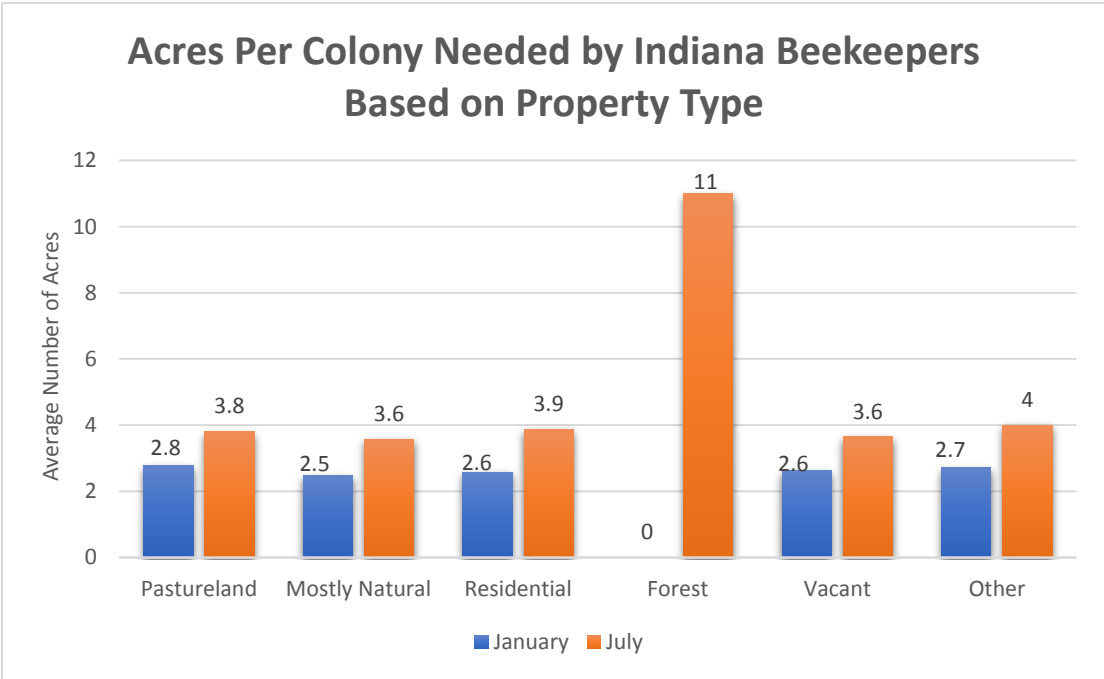
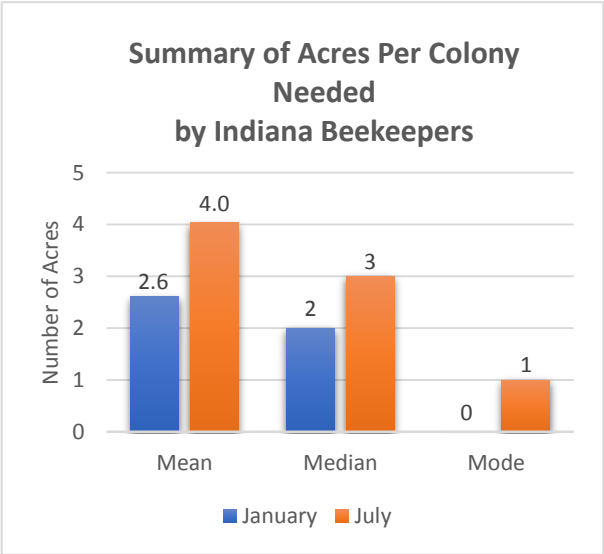
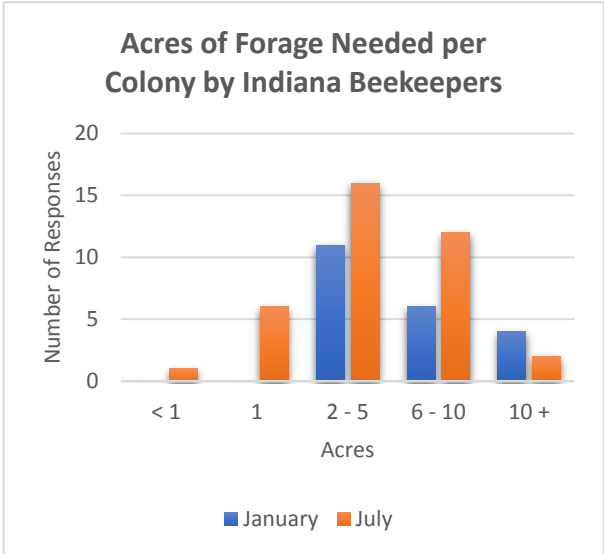
Illinois (continued)



NAPPC National Beekeeper Forage Survey

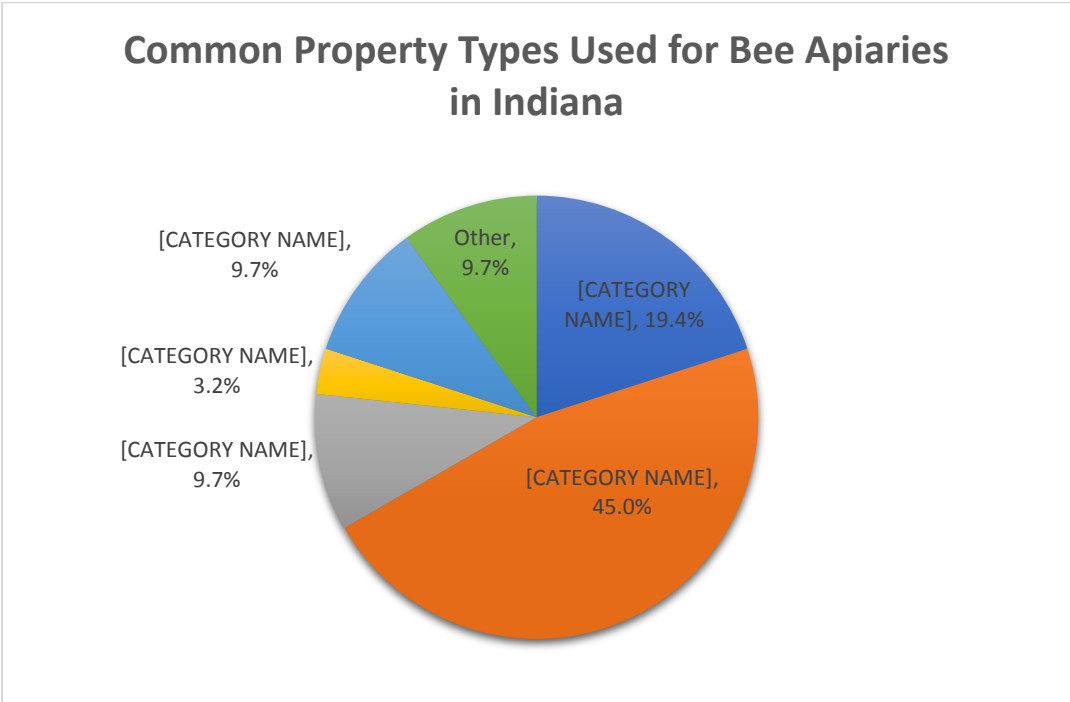
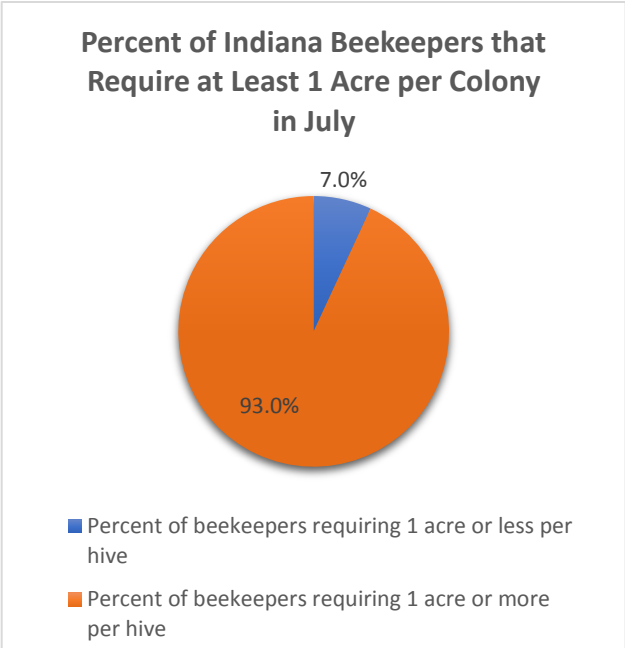
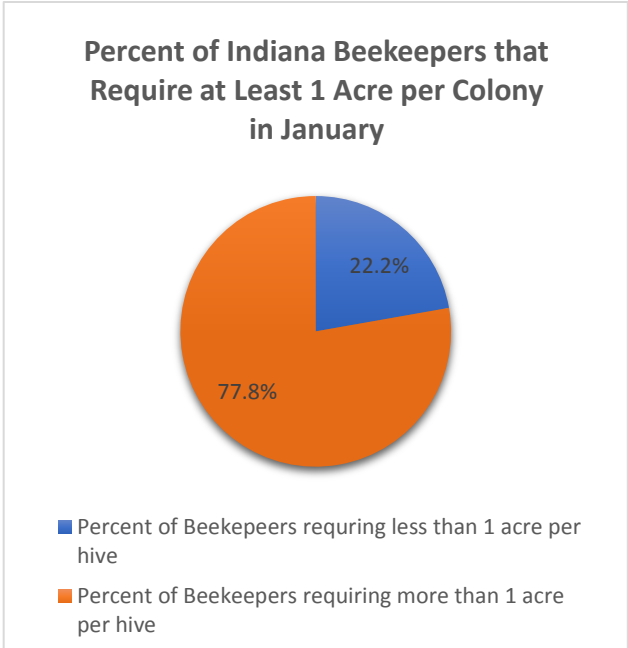
Indiana

In Indiana, a total of 31 beekeepers responded to the survey.



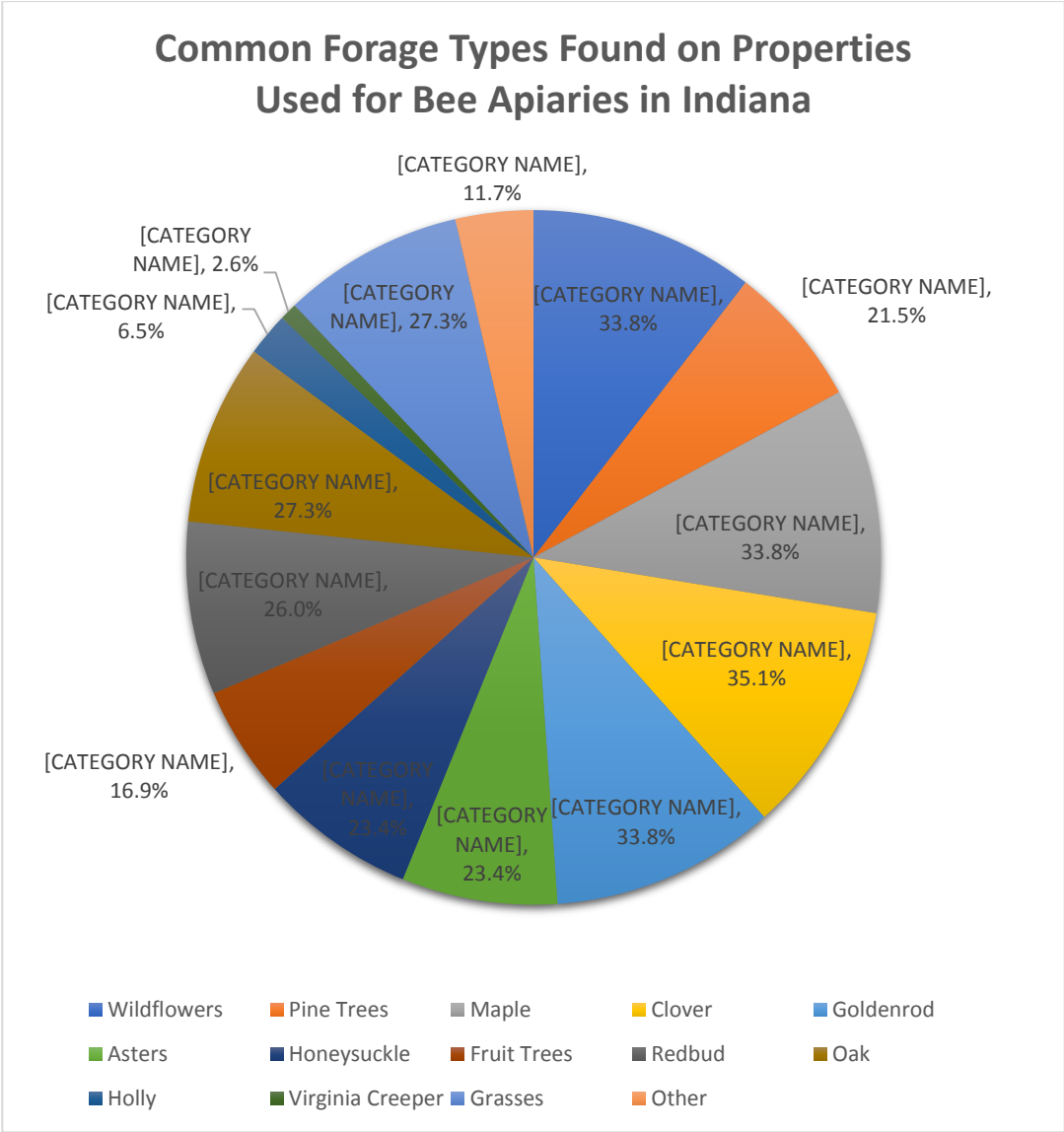
NAPPC National Beekeeper Forage Survey

Indiana (continued)



NAPPC National Beekeeper Forage Survey

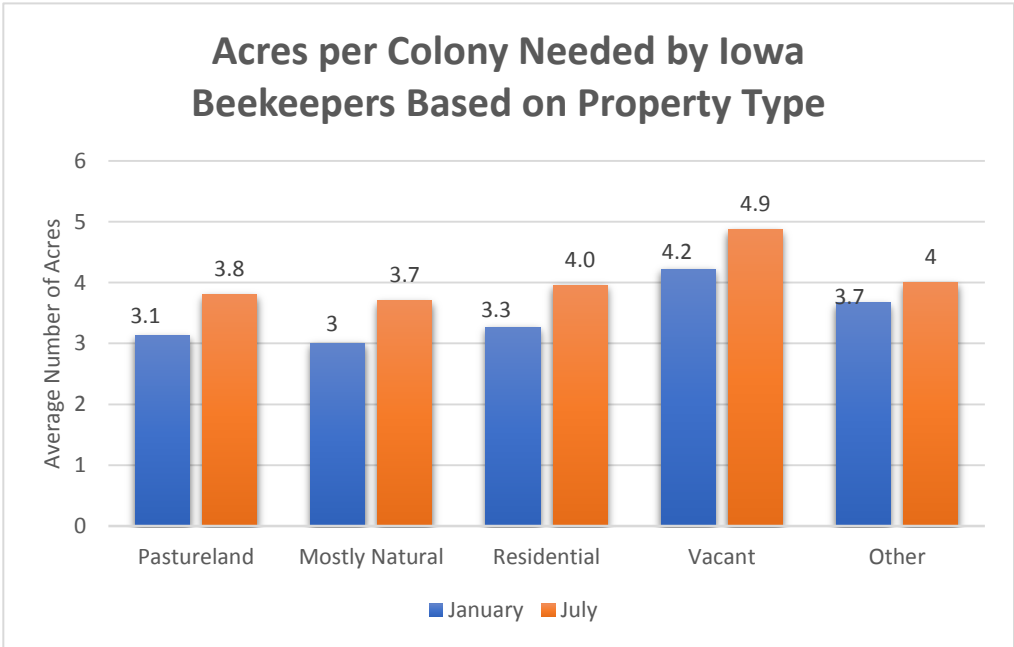
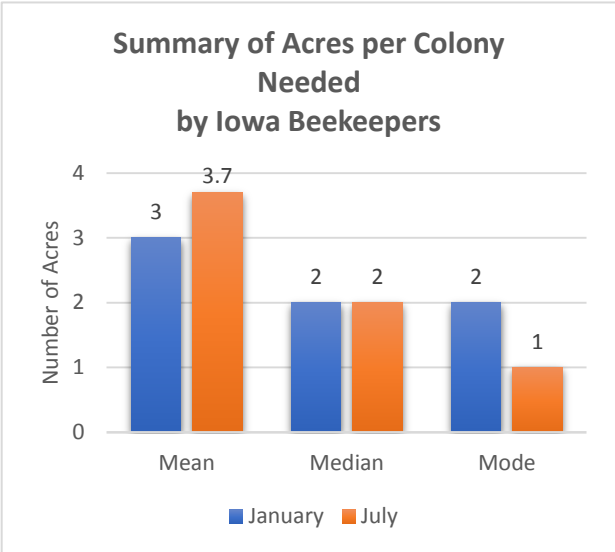
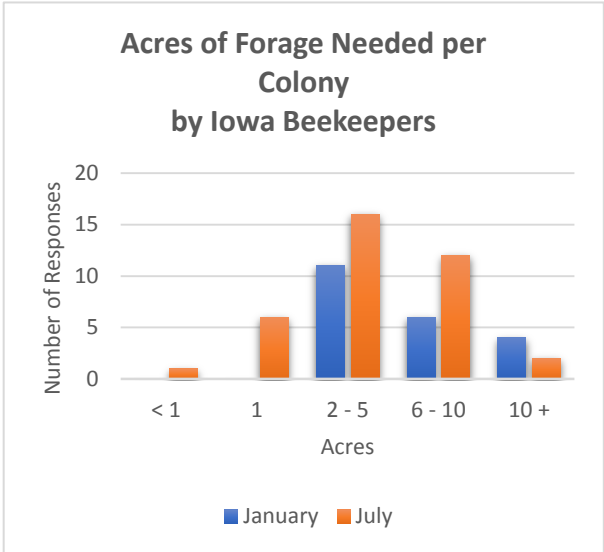
Indiana (continued)



NAPPC National Beekeeper Forage Survey

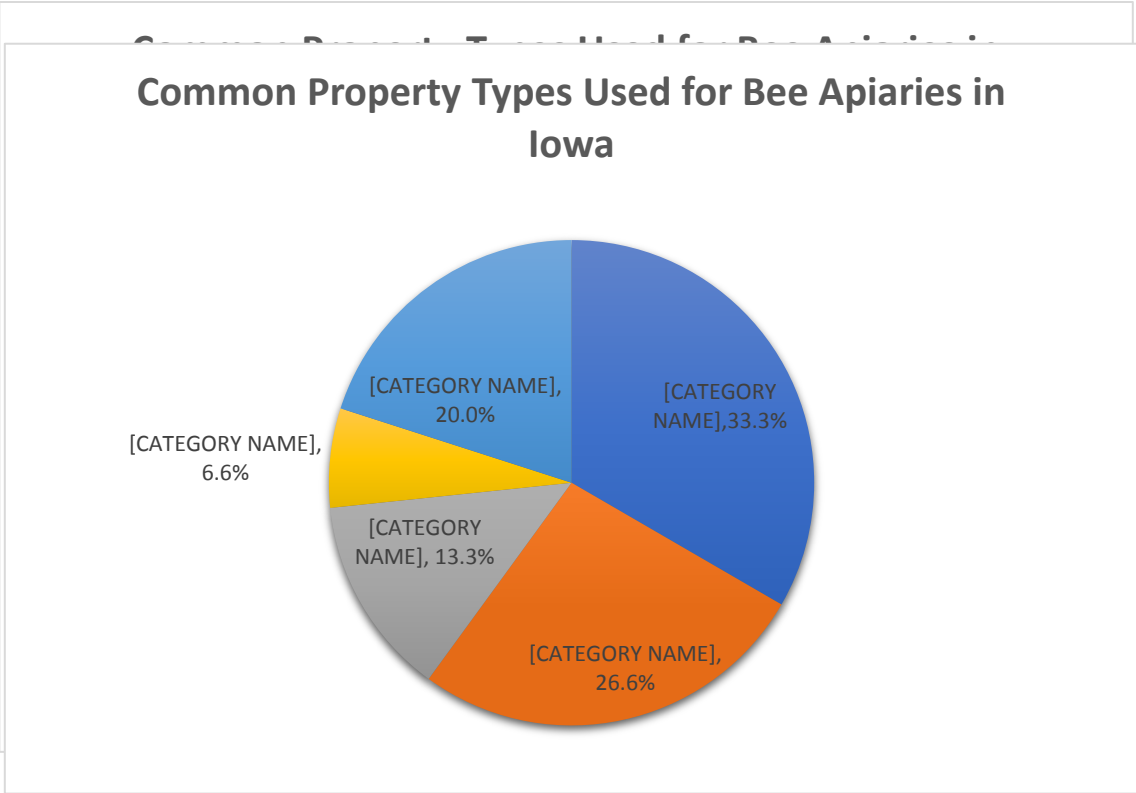
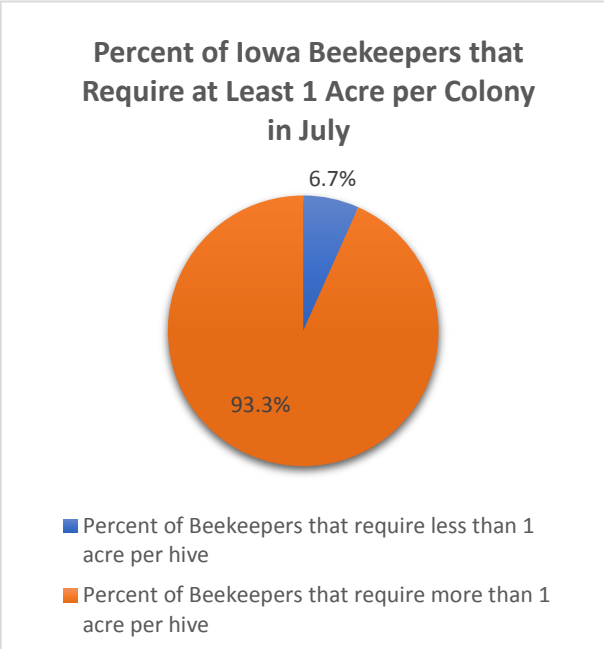
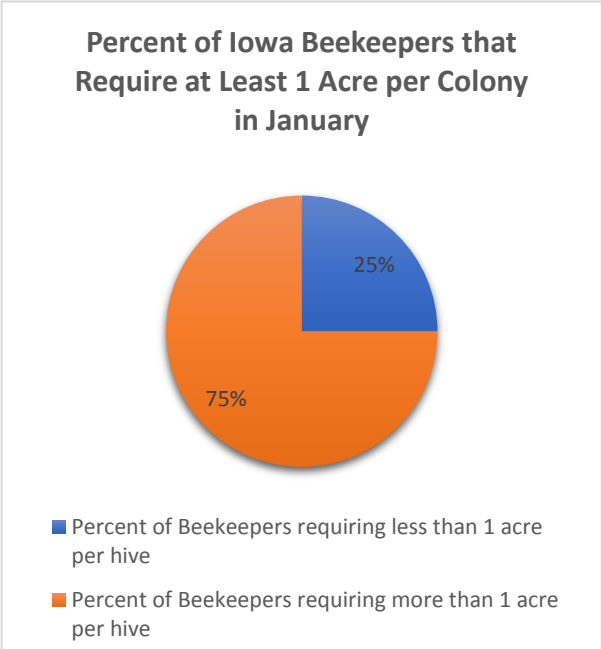
Iowa

In Iowa, a total of 30 beekeepers responded to the survey.



NAPPC National Beekeeper Forage Survey

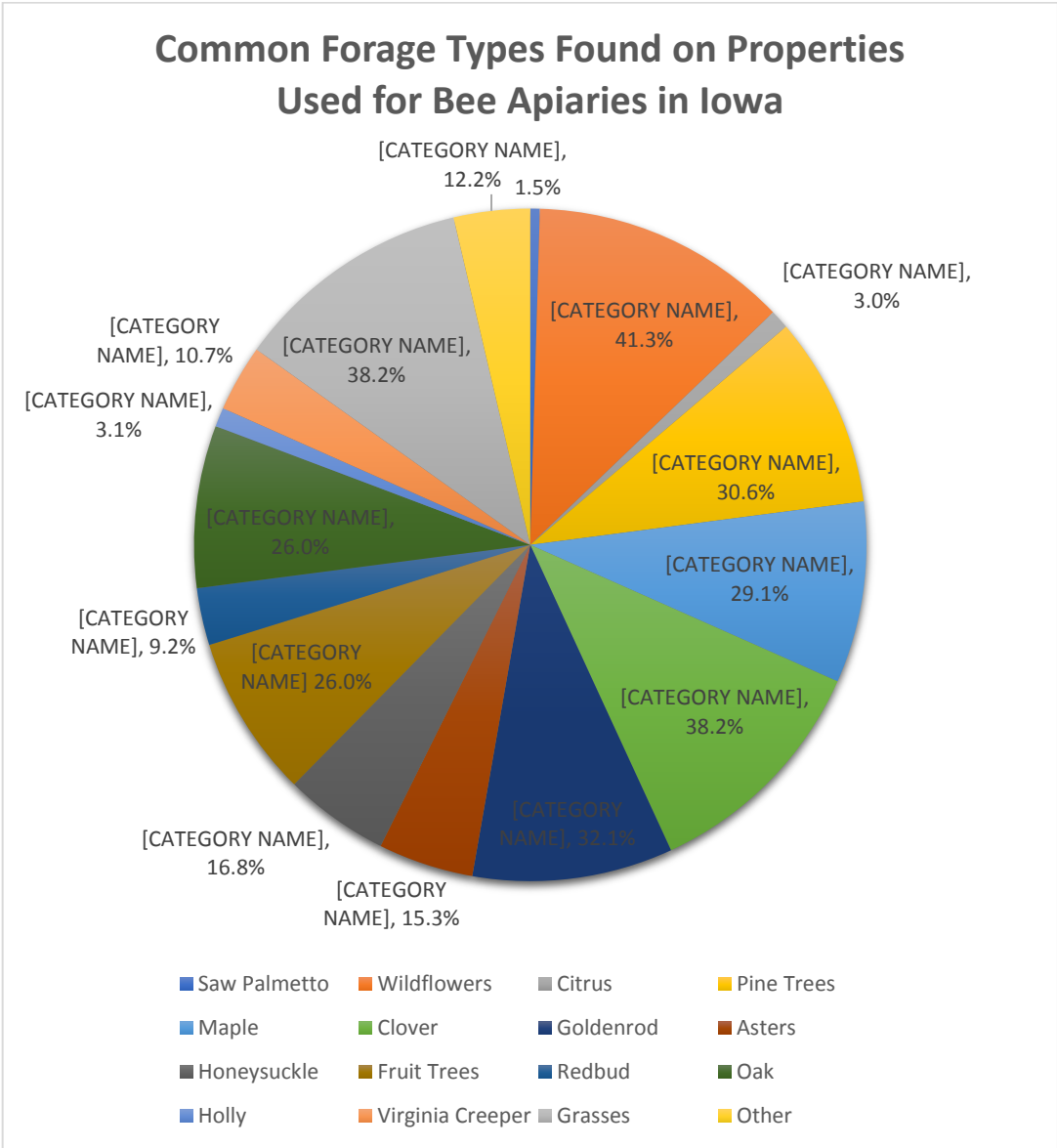
Iowa (continued)



NAPPC National Beekeeper Forage Survey

Iowa (continued)

NAPPC National Beekeeper Forage Survey



Kansas

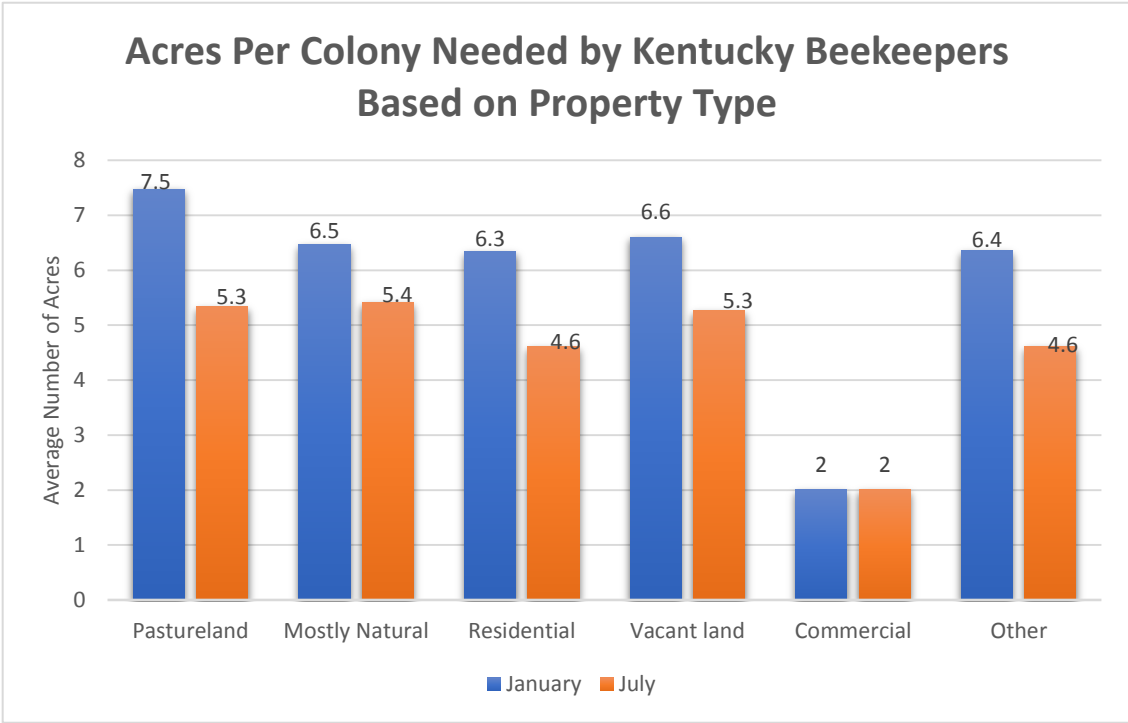
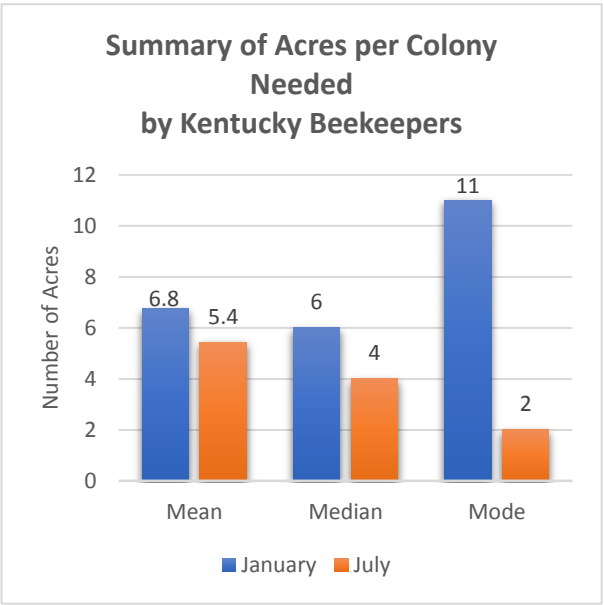
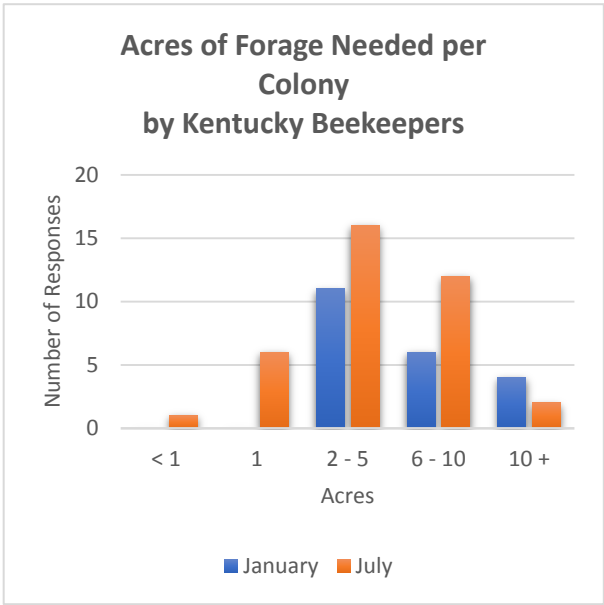
No Data was available for Kansas.

NAPPC National Beekeeper Forage Survey

Kentucky

In Kentucky, a total of 37 beekeepers responded to the survey.

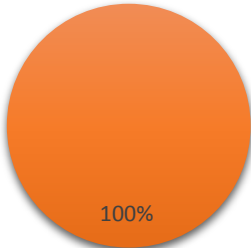
NAPPC National Beekeeper Forage Survey



Kentucky (continued)

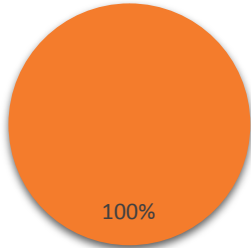
NAPPC National Beekeeper Forage Survey

Percent of Kentucky Beekeepers that Require at Least 1 Acre per Colony in January



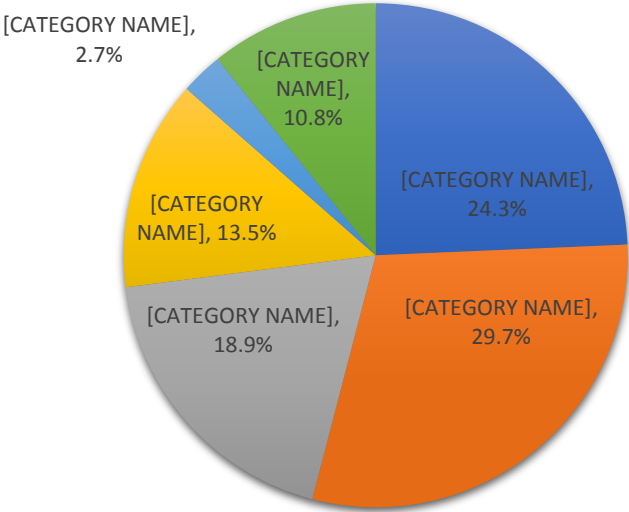
■ Percent of Beekeepers requiring more than 1 acre per hive

Percent of Kentucky Beekeepers that Require at Least 1 Acre per Colony in July



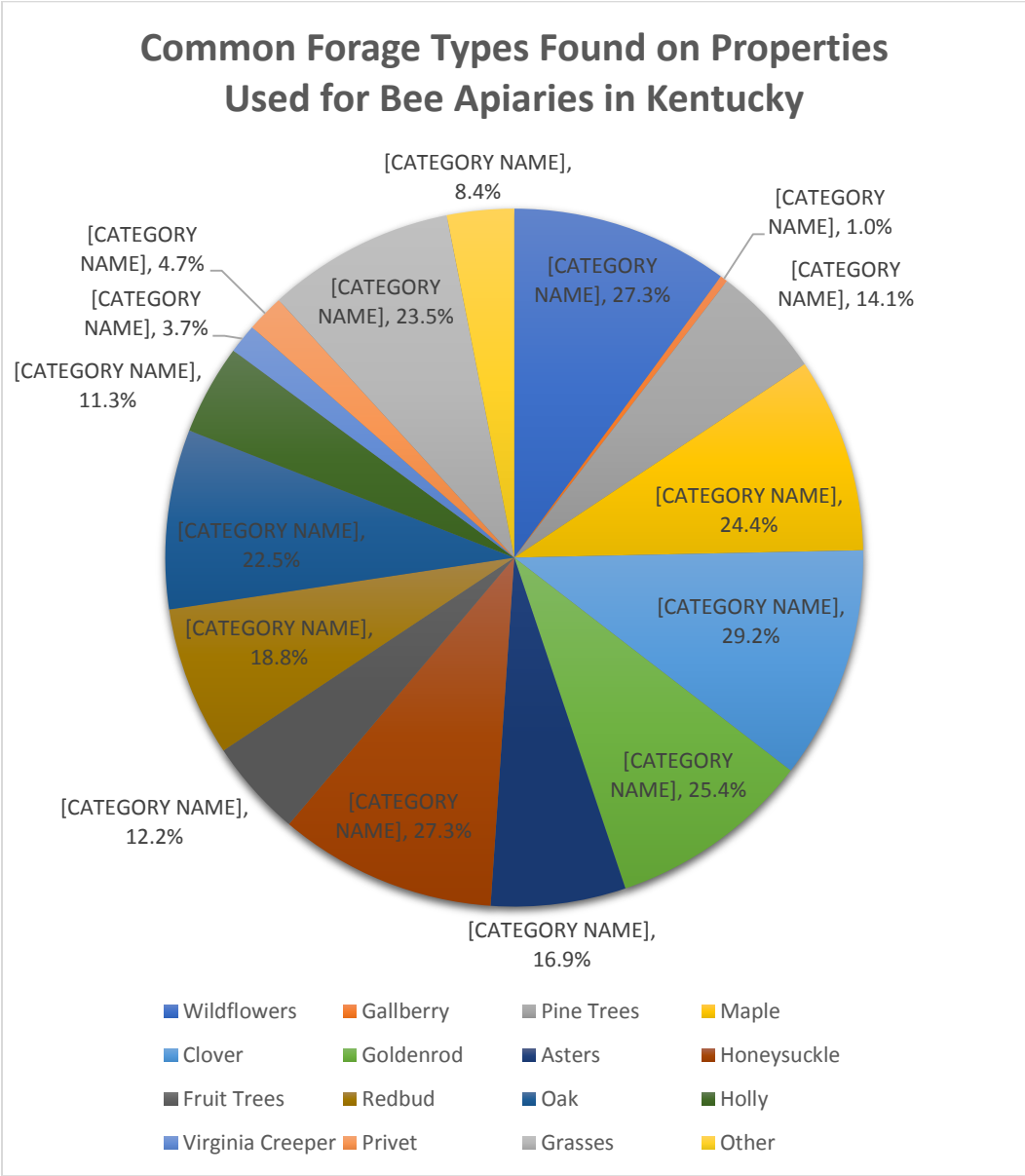
■ Percent of Beekeepers requiring more than 1 acre per hive

Common Property Types Used for Bee Apiaries in Kentucky



NAPPC National Beekeeper Forage Survey

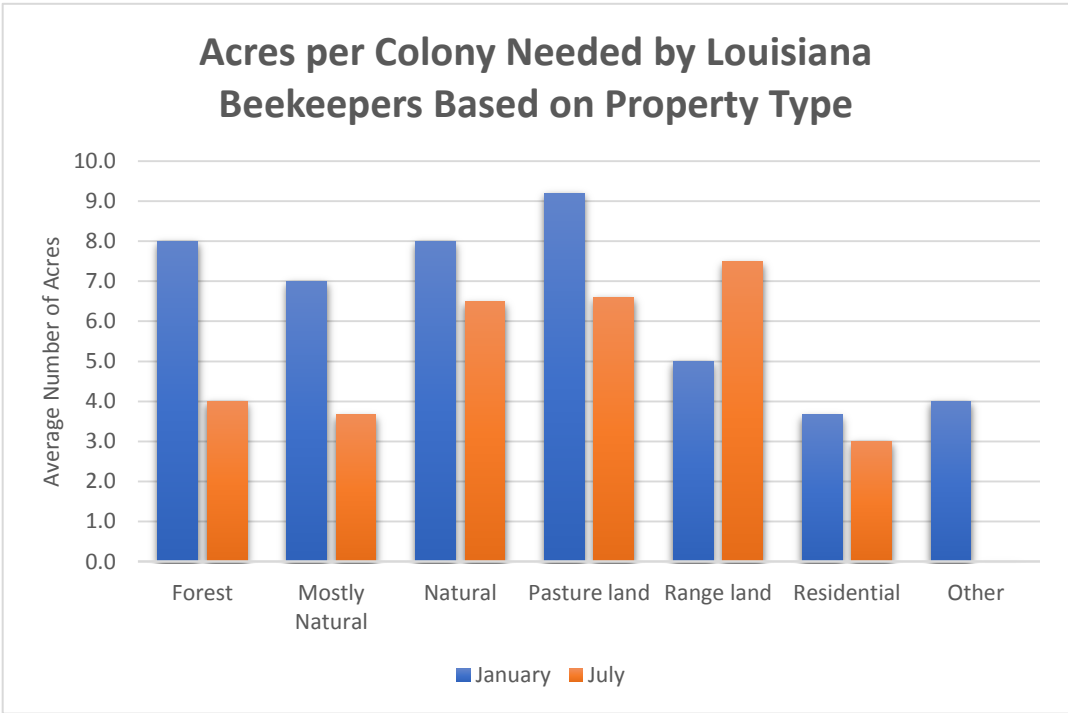
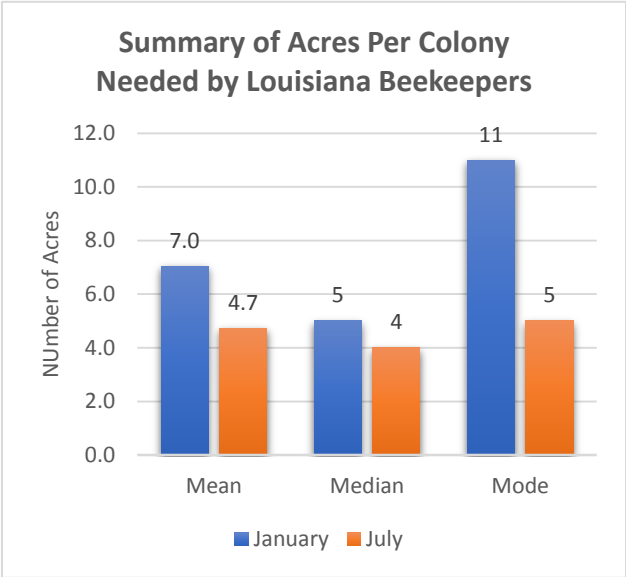
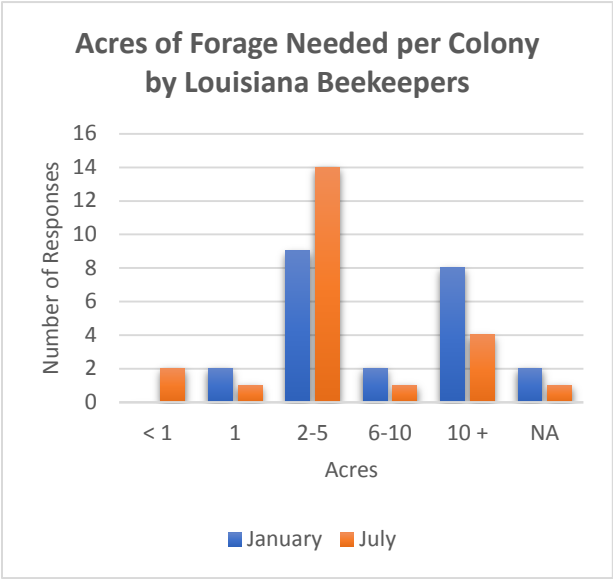
Kentucky (continued)



NAPPC National Beekeeper Forage Survey

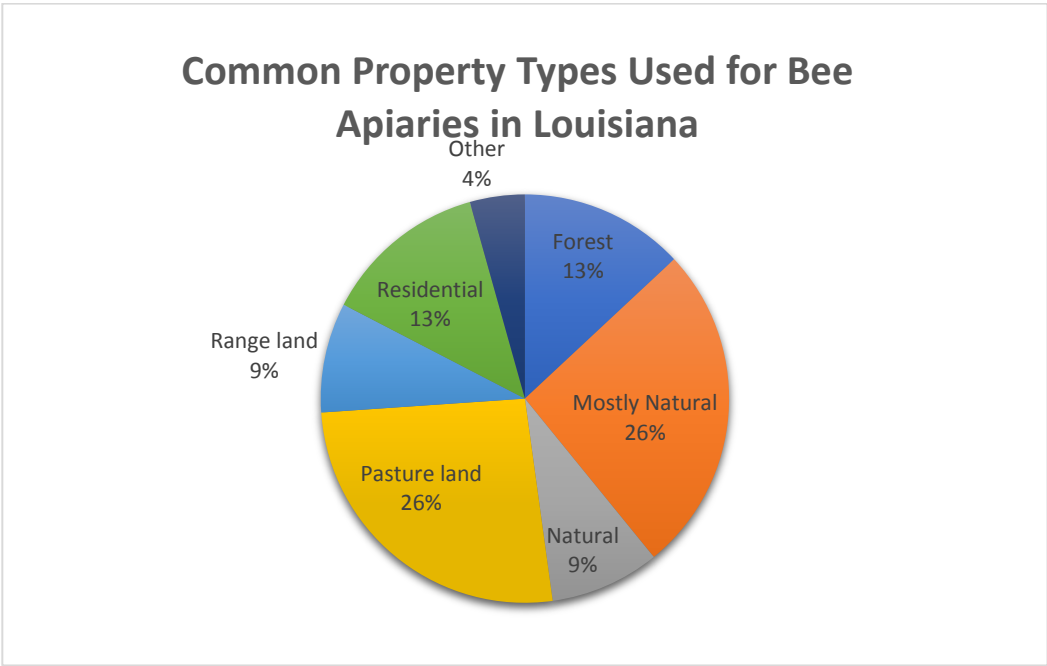
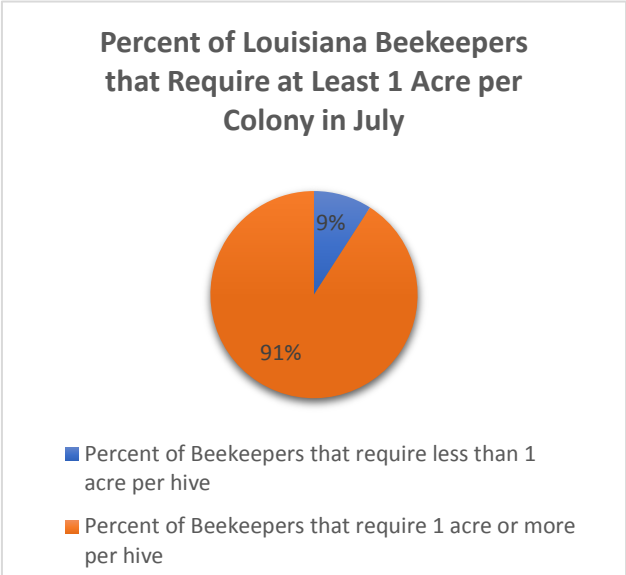
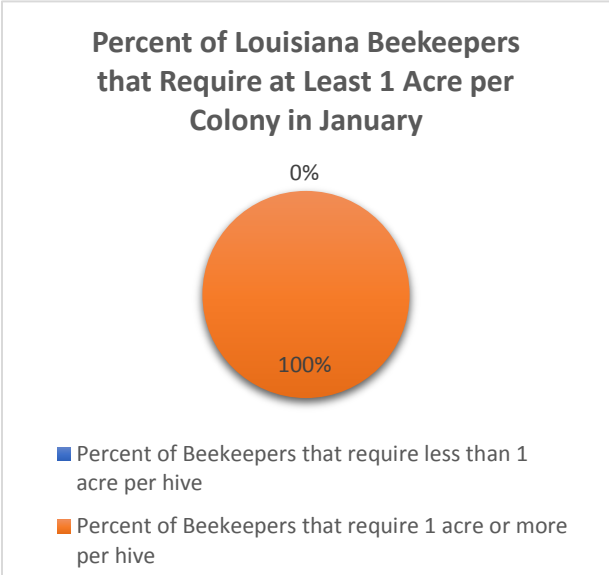
Louisiana

In Louisiana, a total of 23 beekeepers responded to the survey.



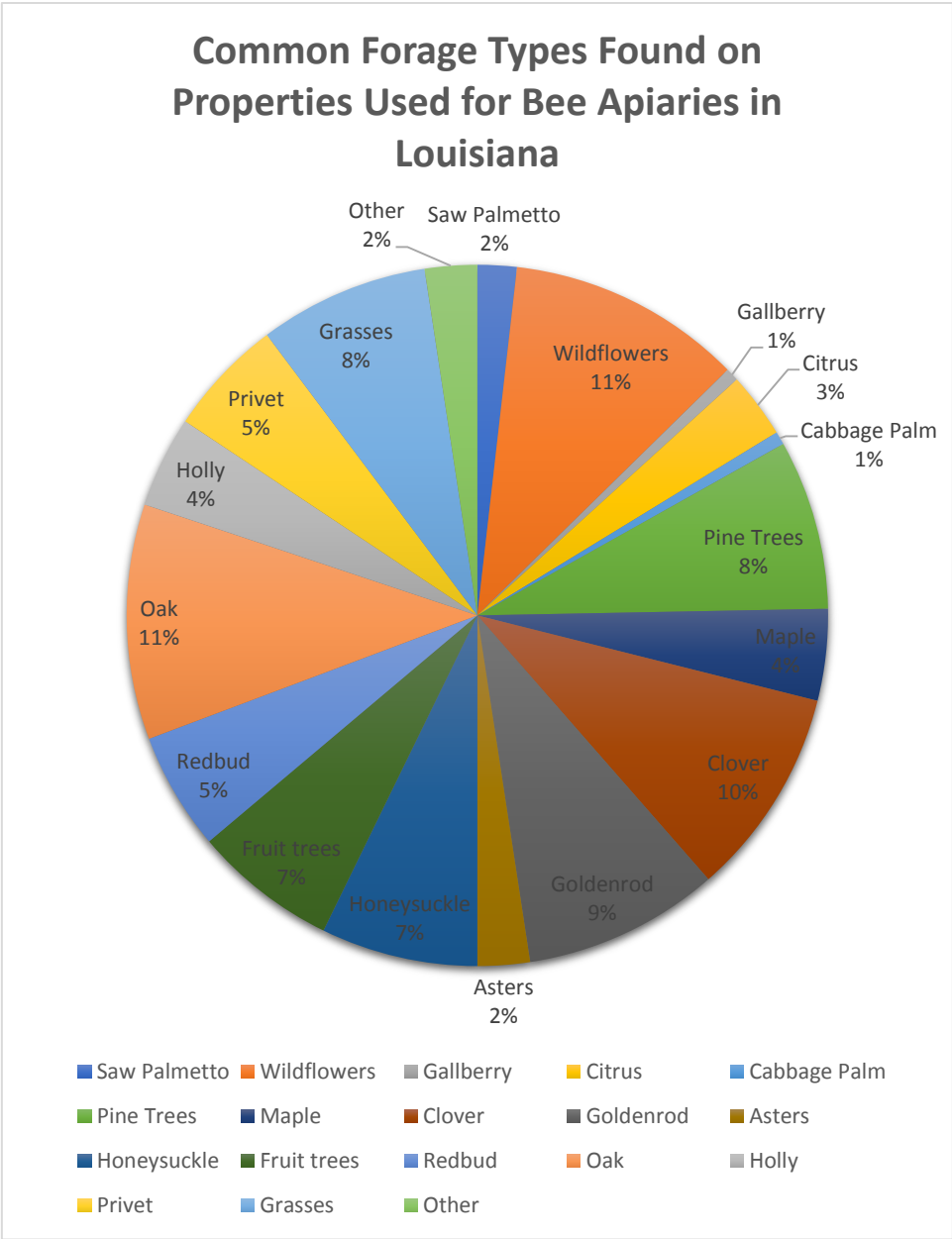
NAPPC National Beekeeper Forage Survey

Louisiana (continued)



NAPPC National Beekeeper Forage Survey

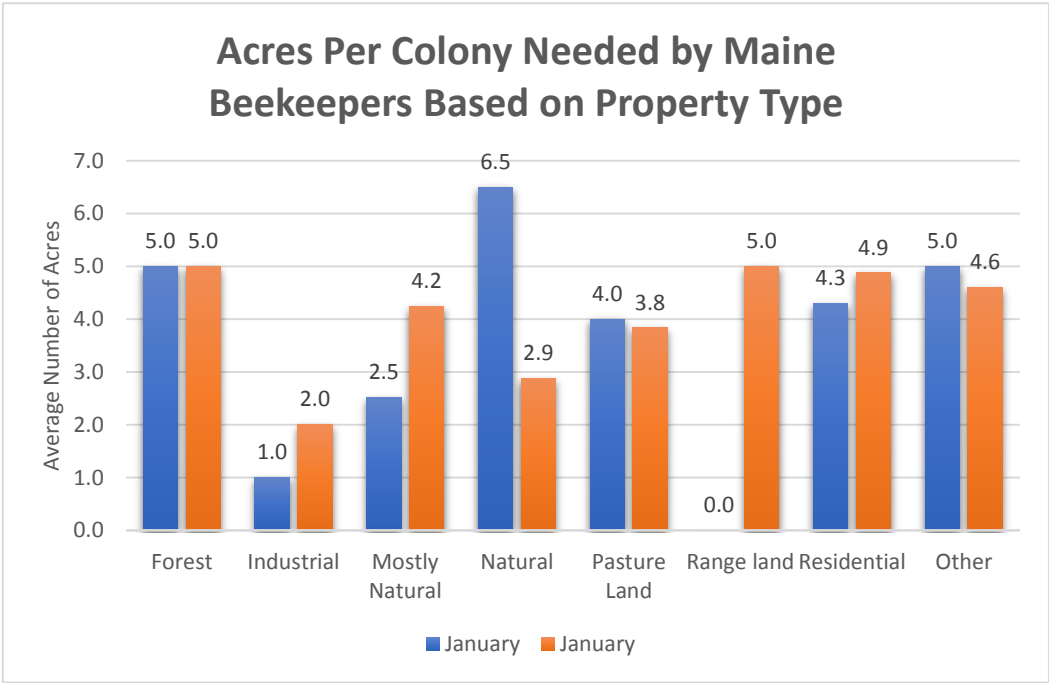
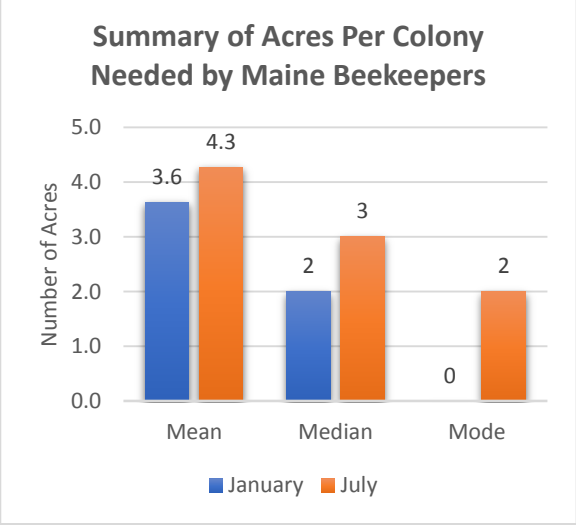
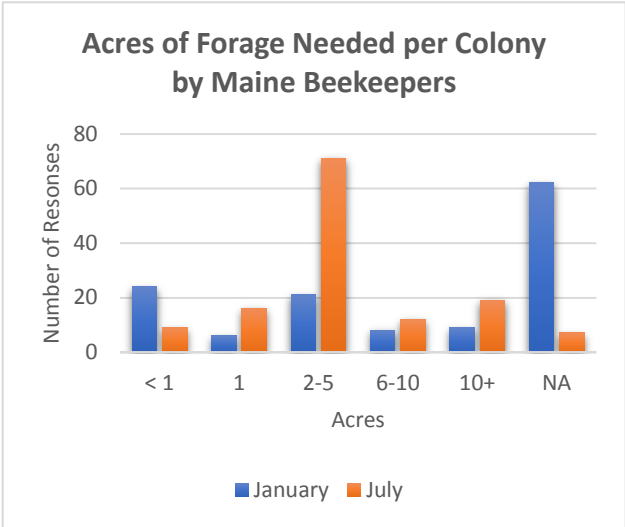
Louisiana (continued)



NAPPC National Beekeeper Forage Survey

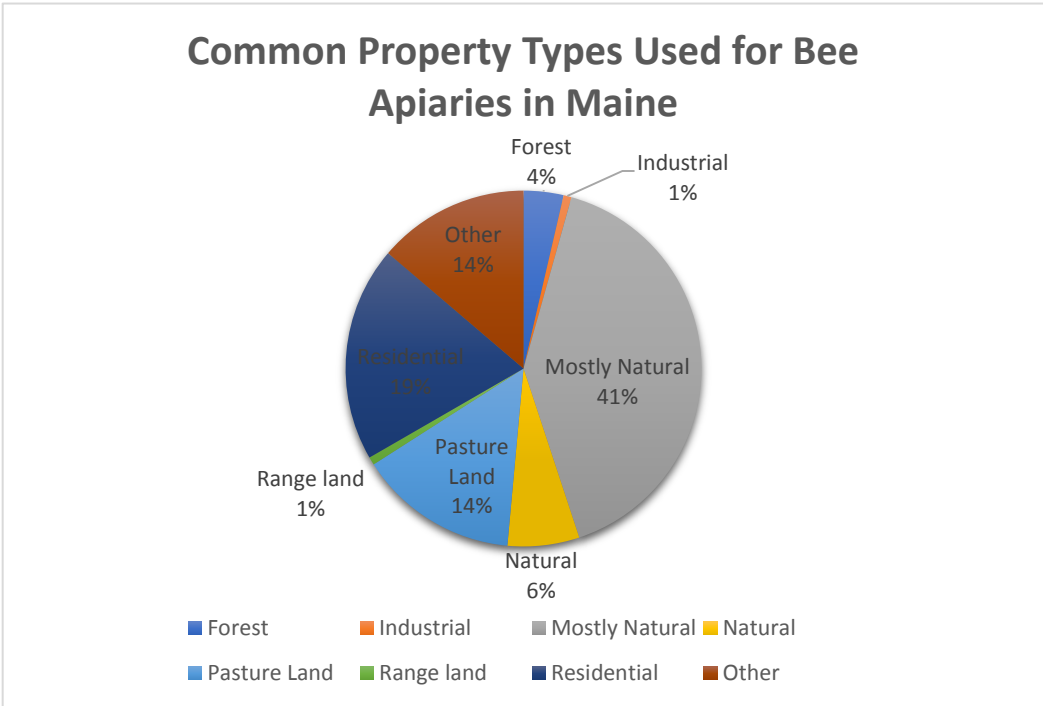
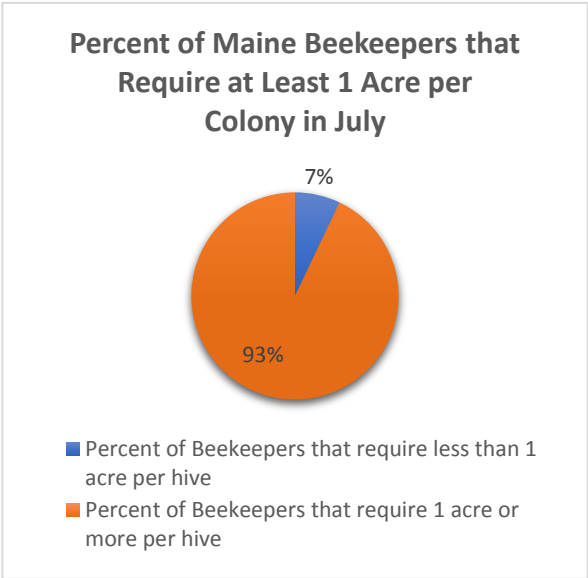
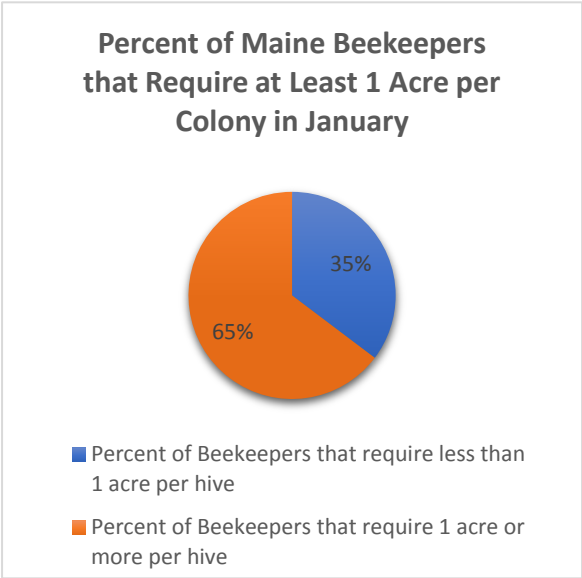
Maine

In Maine, a total of 138 beekeepers responded to the survey.



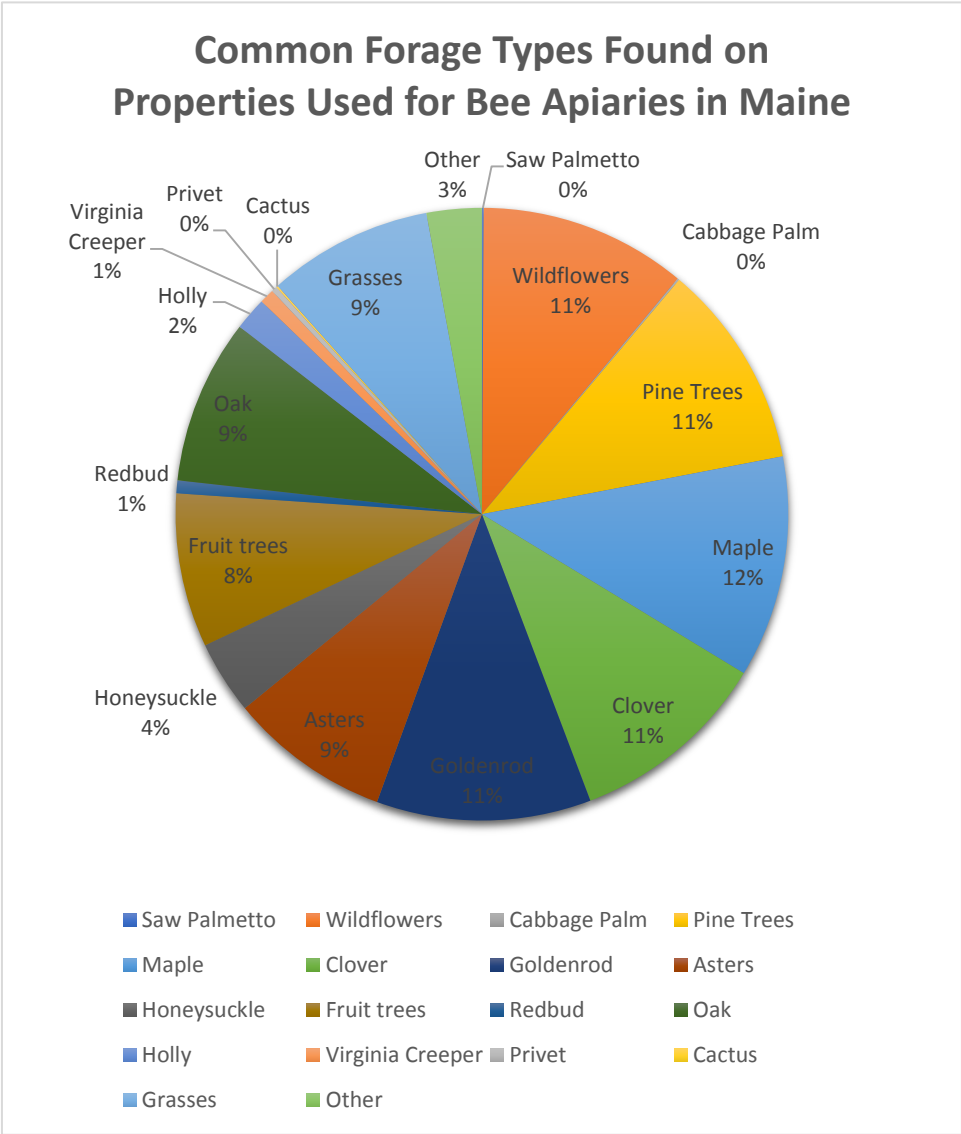
NAPPC National Beekeeper Forage Survey

Maine (continued)



NAPPC National Beekeeper Forage Survey

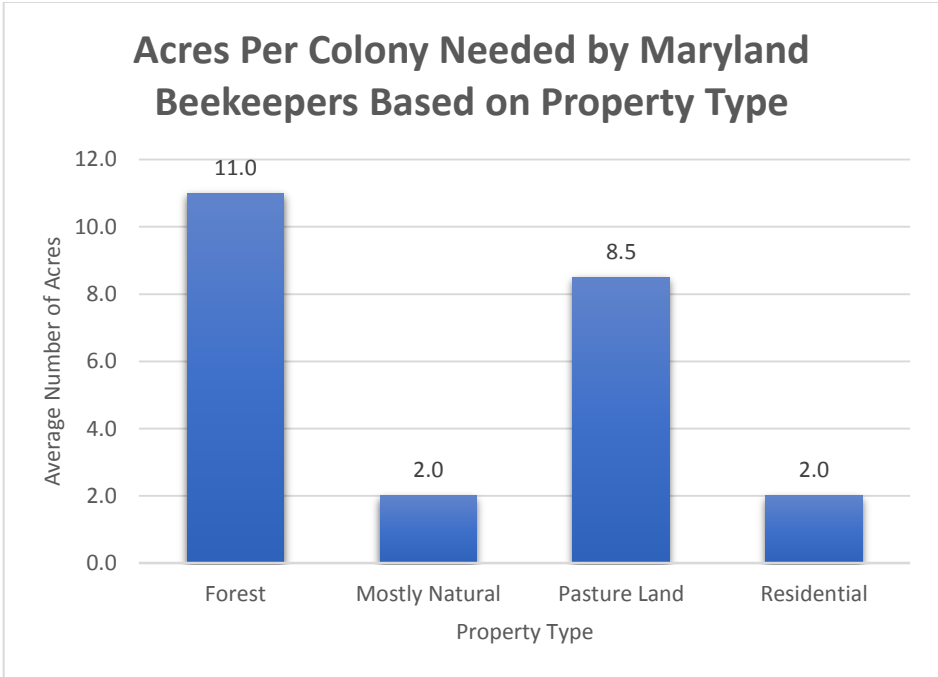
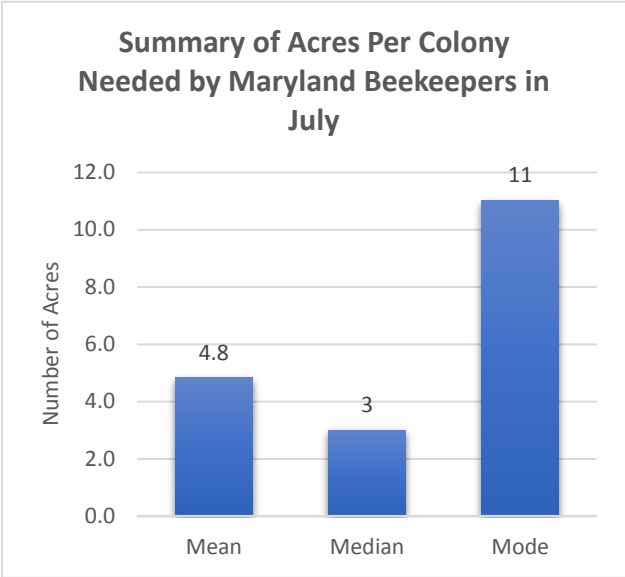
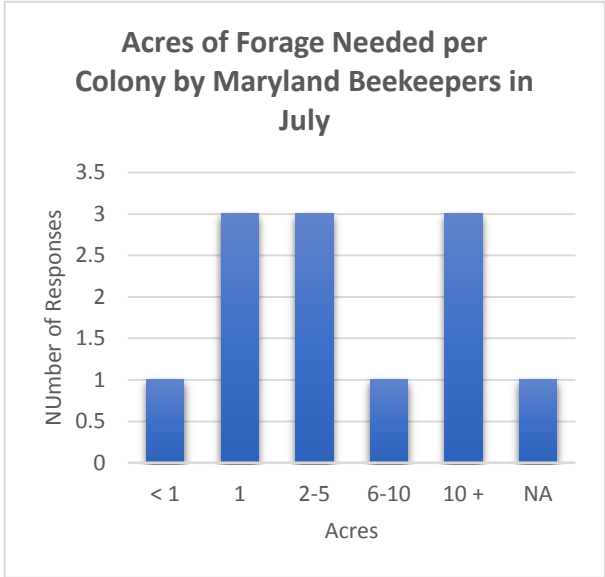
Maine (continued)



NAPPC National Beekeeper Forage Survey

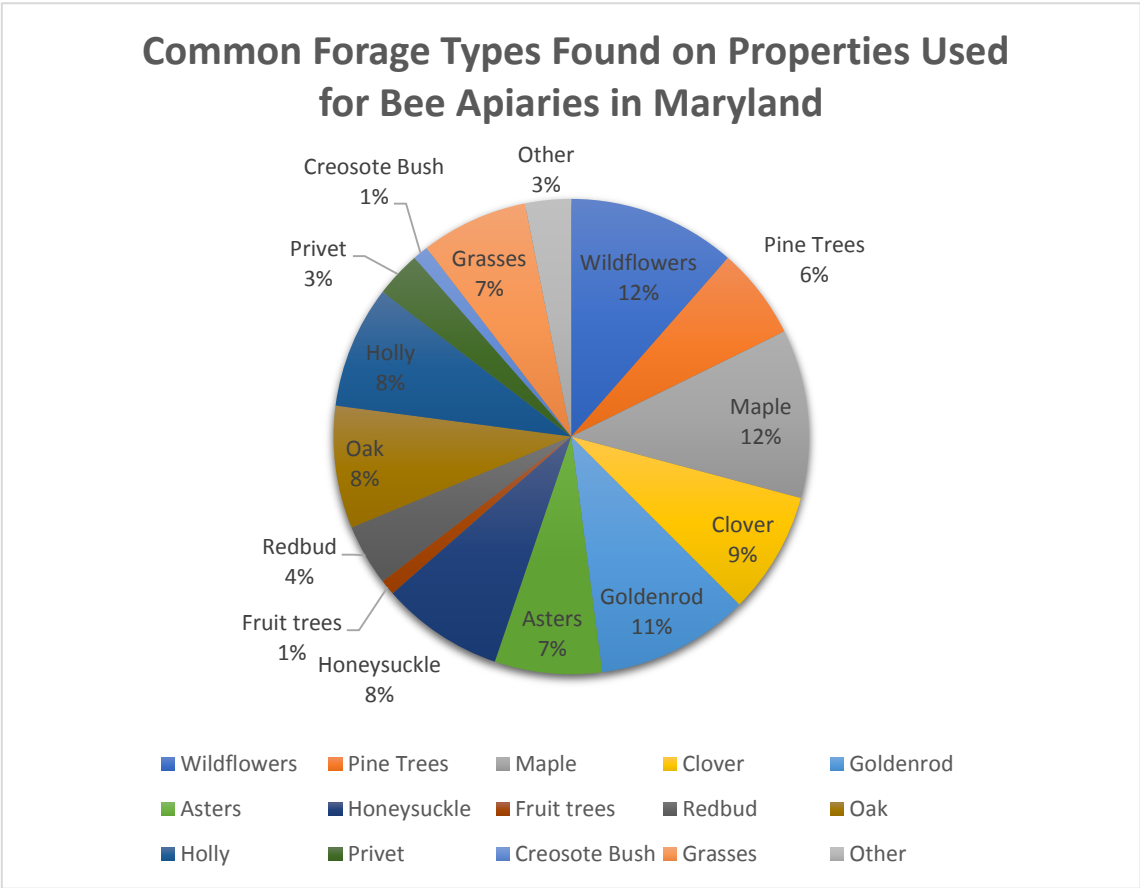
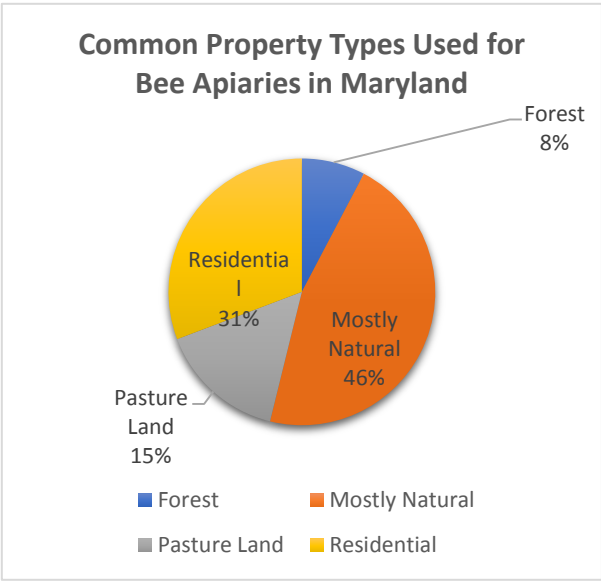
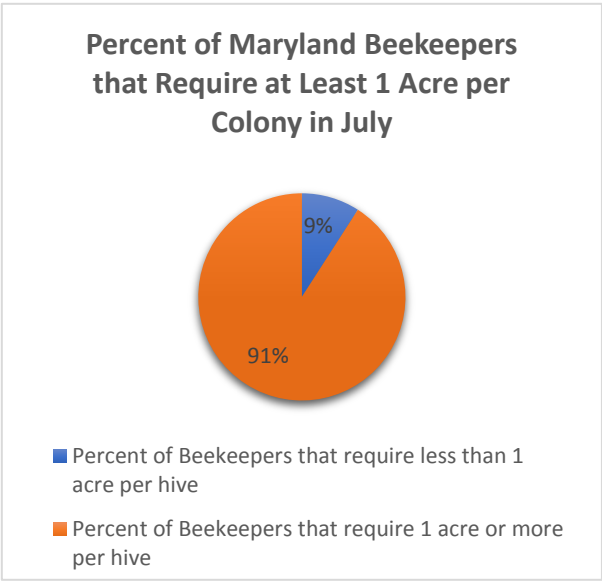
Maryland

In Maryland, a total of 13 beekeepers responded to the survey. No data was available for January because bees are typically not active in cold weather.



NAPPC National Beekeeper Forage Survey

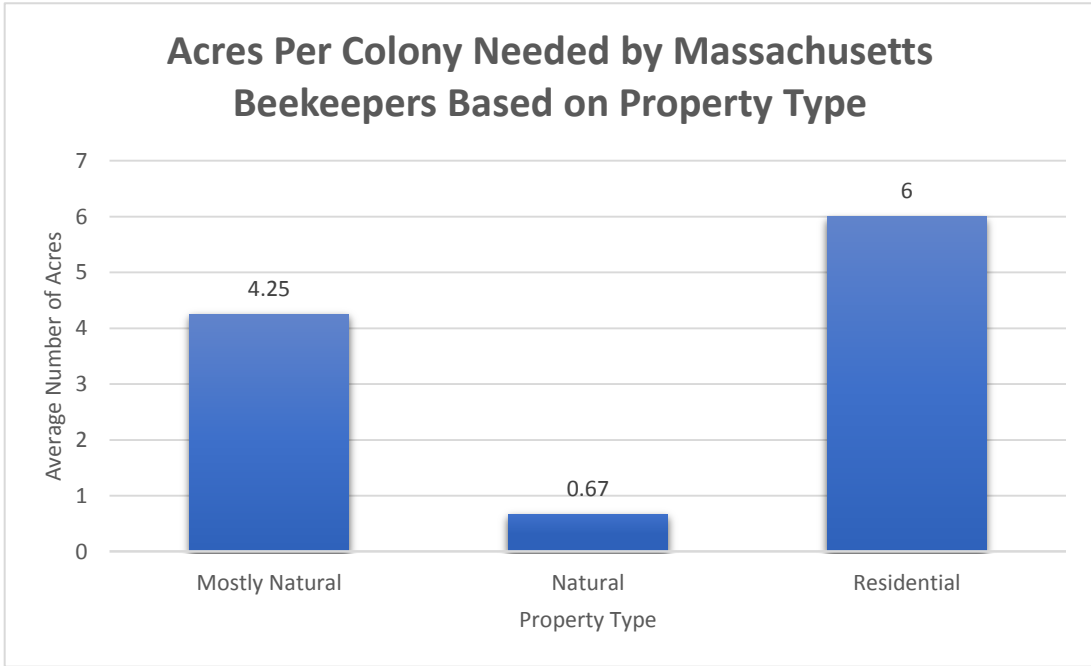
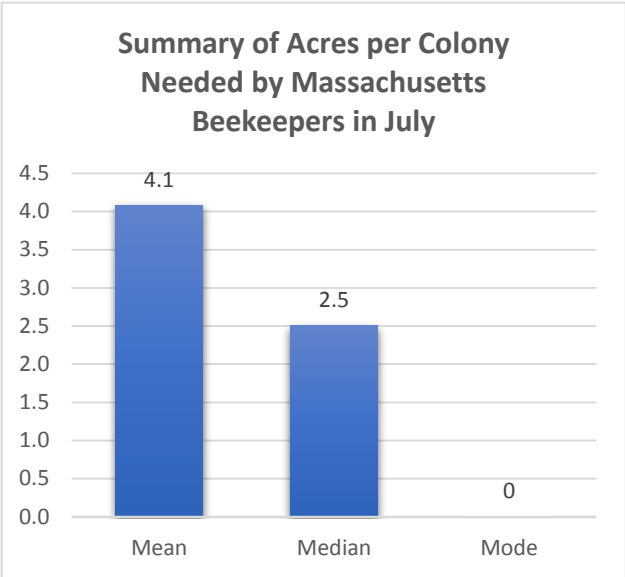
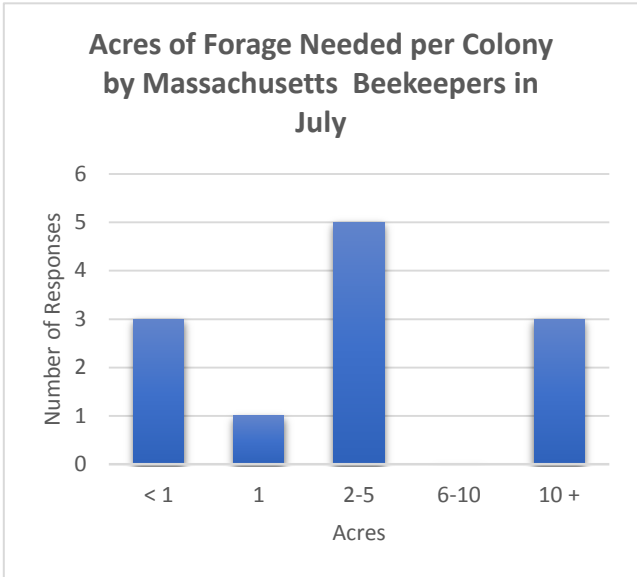
Maryland (continued)



NAPPC National Beekeeper Forage Survey

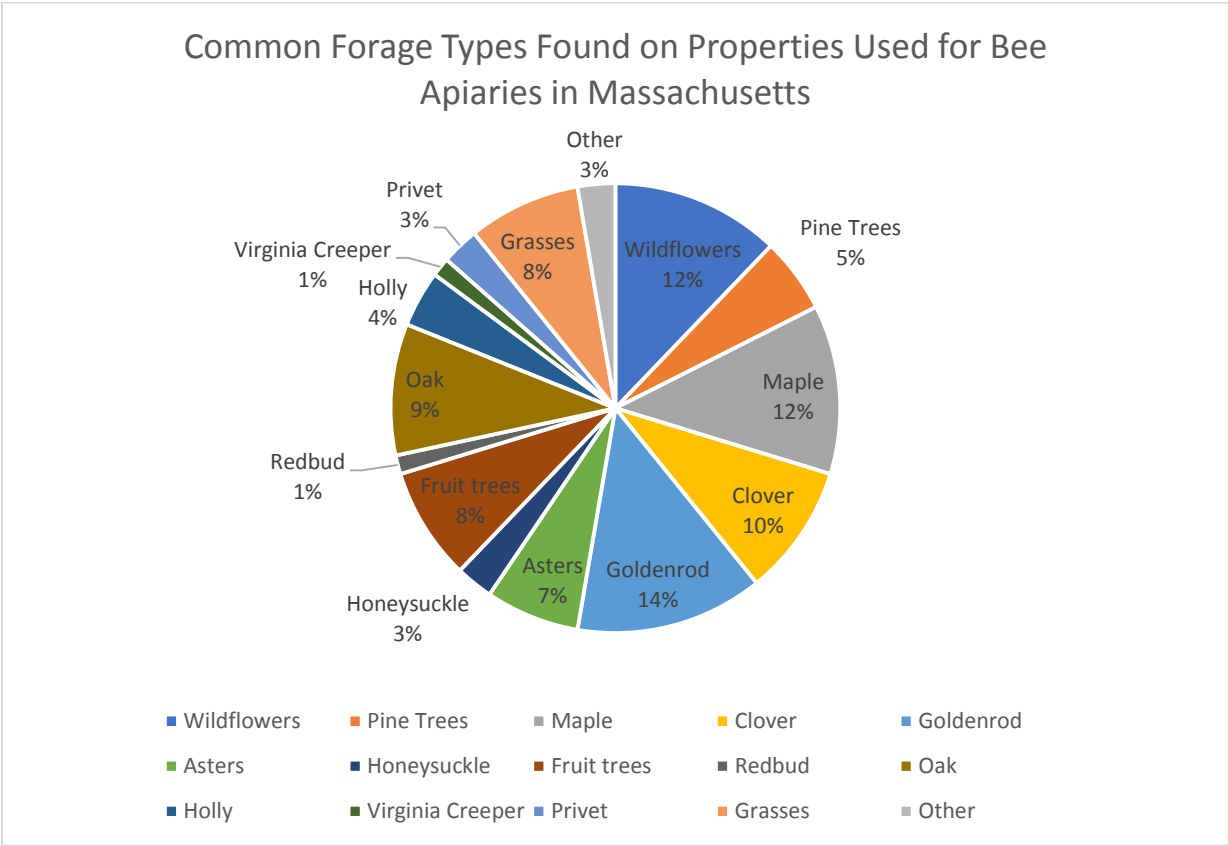
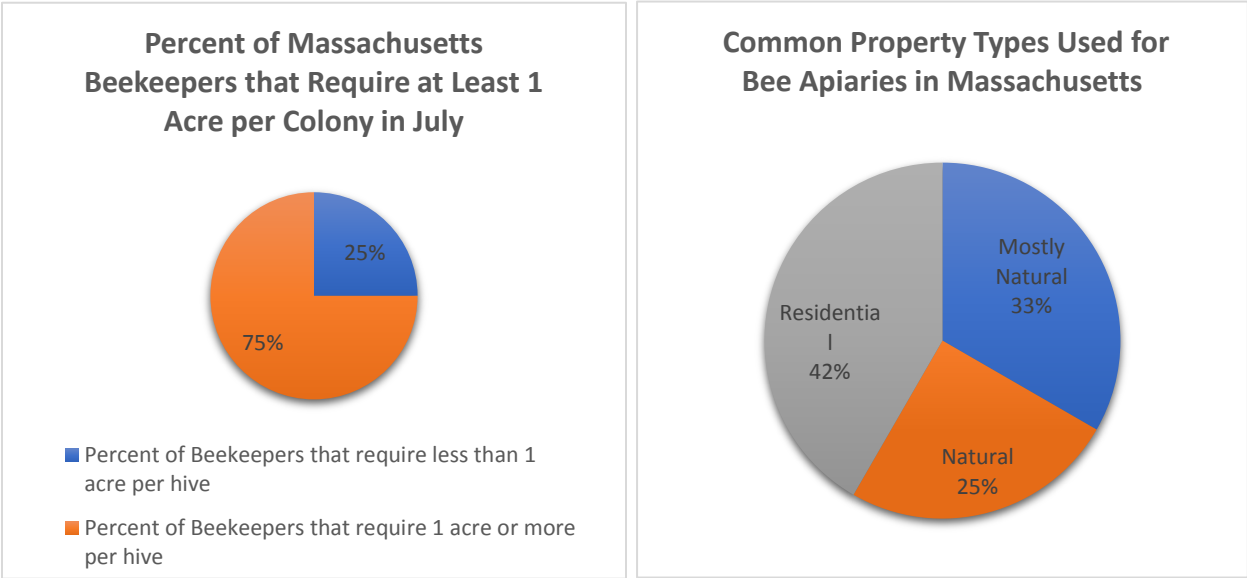
Massachusetts

In Massachusetts, a total of 12 beekeepers responded to the survey. No data was available for January because bees are typically not active in cold weather.



NAPPC National Beekeeper Forage Survey

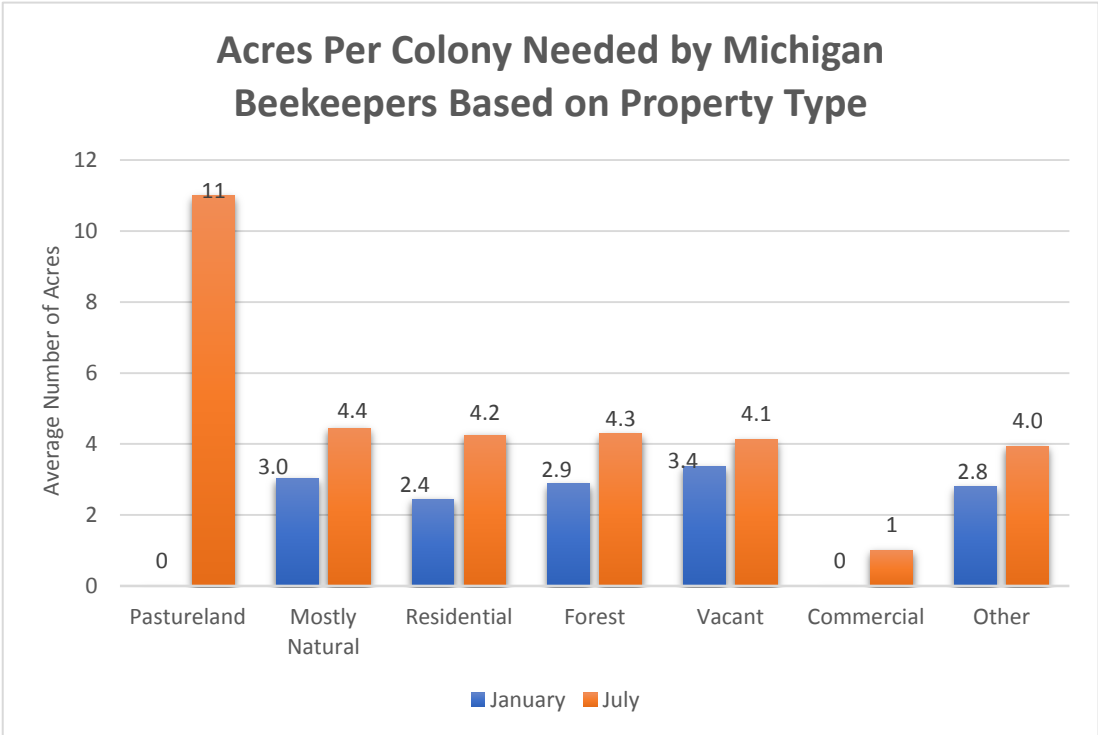
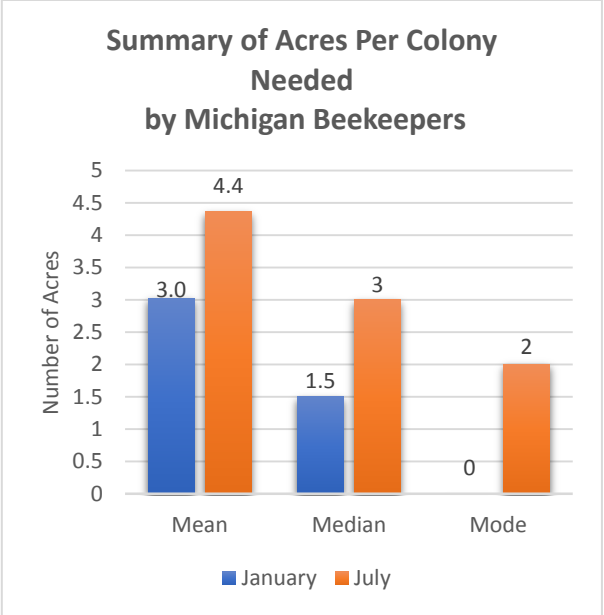
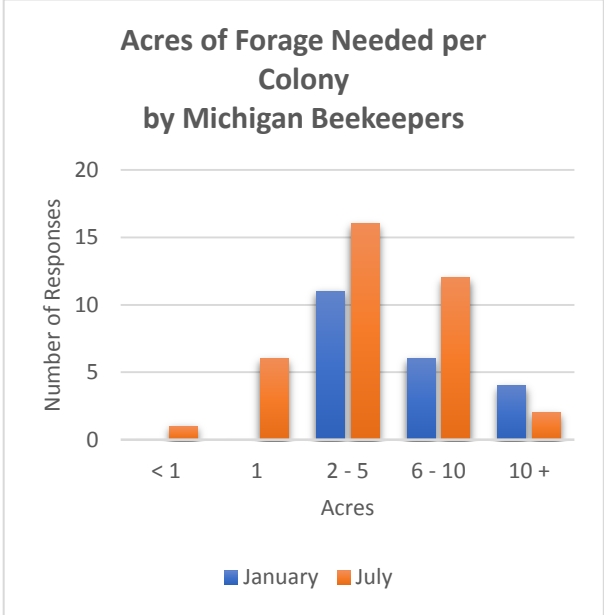
Massachusetts (continued)



NAPPC National Beekeeper Forage Survey

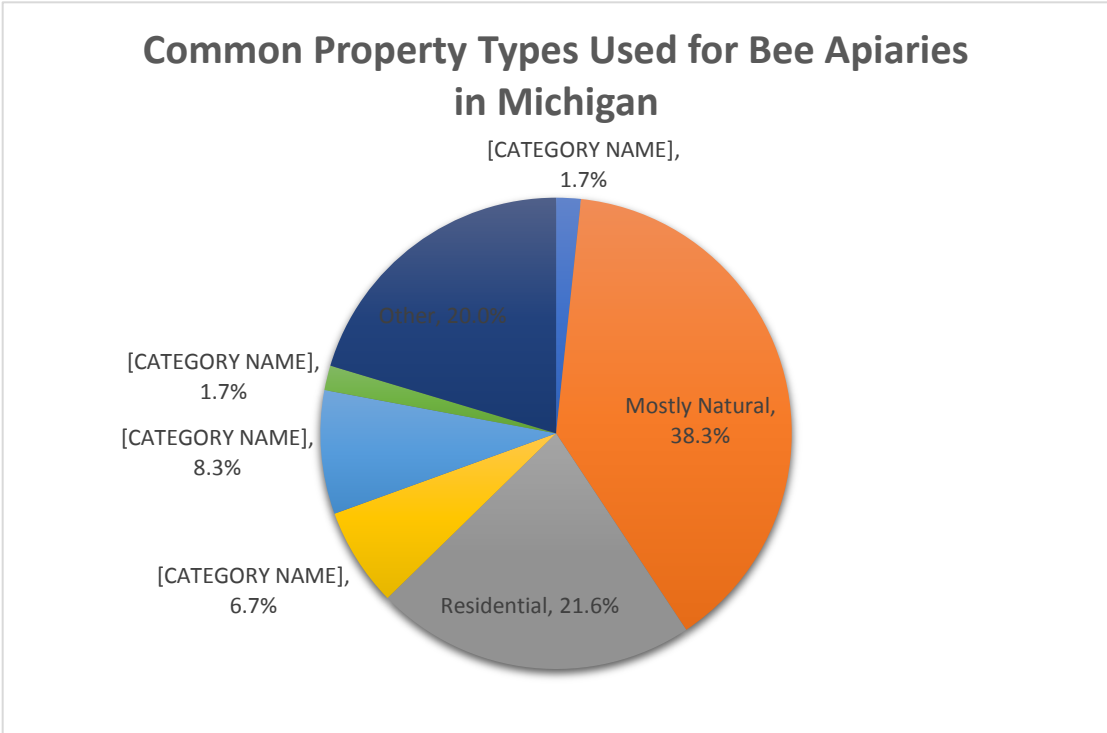
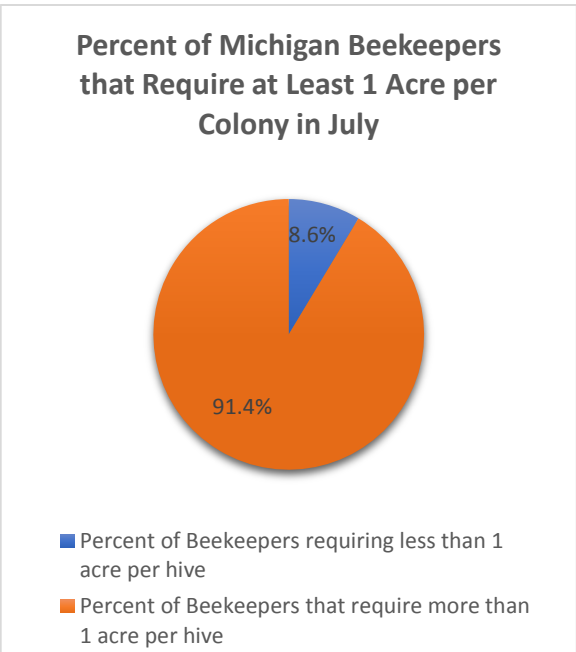
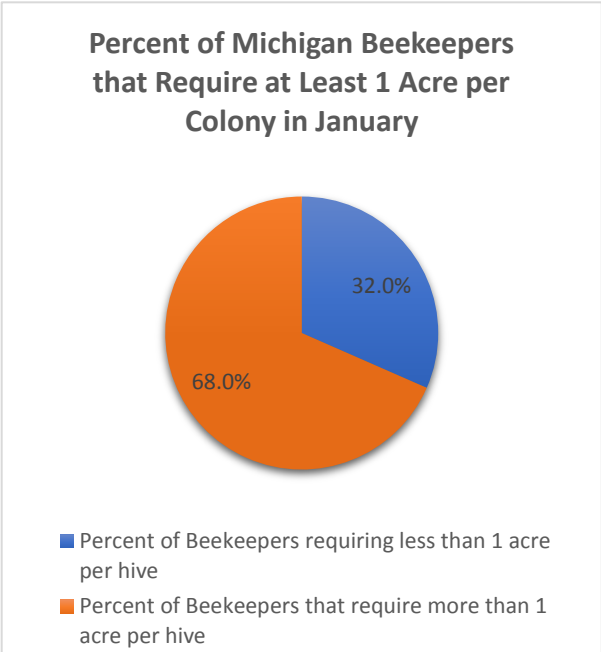
Michigan

In Michigan, a total of 60 beekeepers responded to the survey.



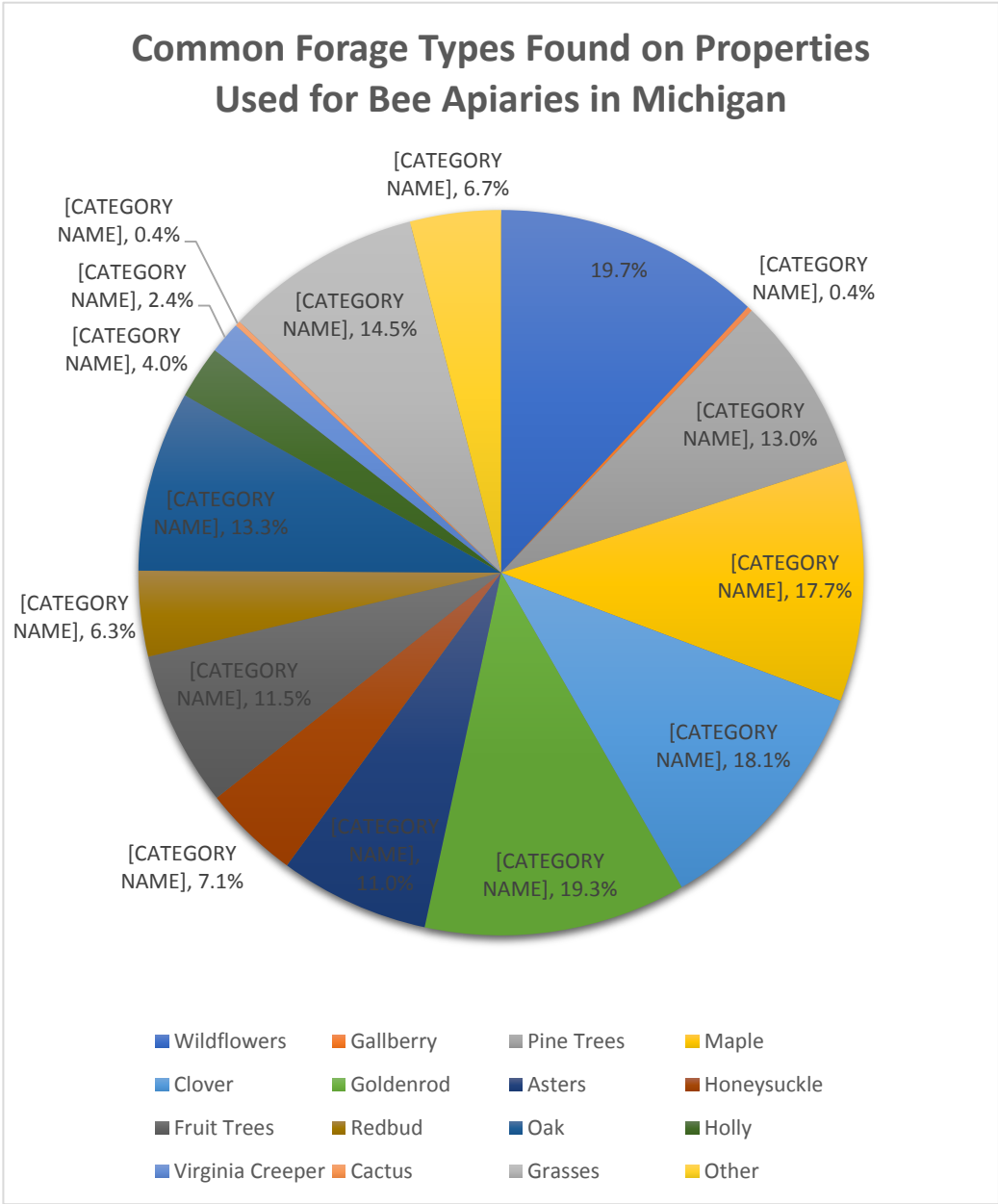
NAPPC National Beekeeper Forage Survey

Michigan (continued)



NAPPC National Beekeeper Forage Survey

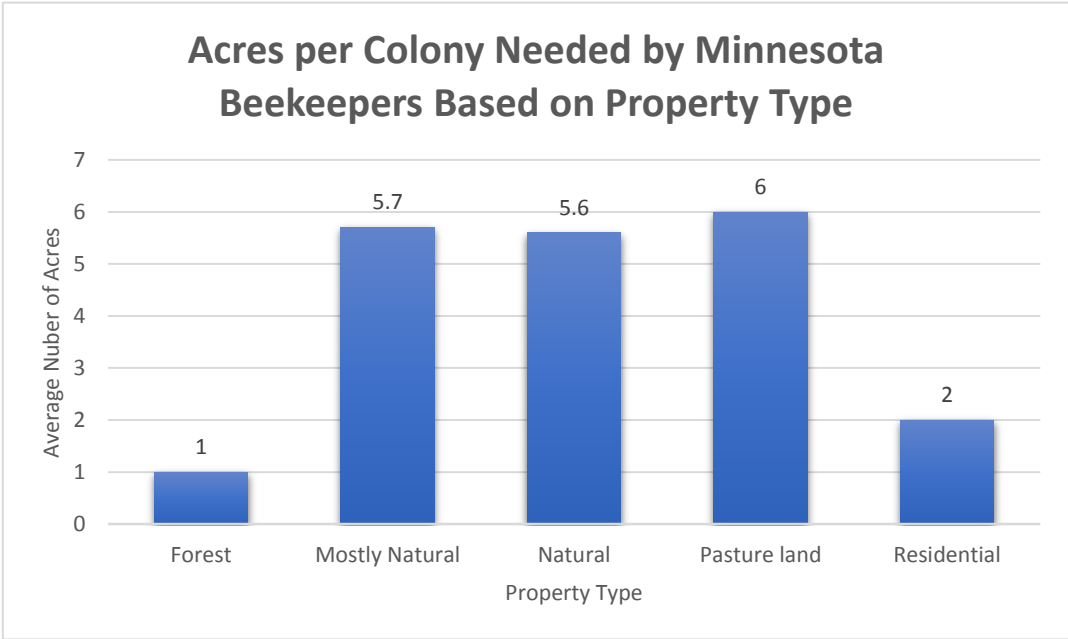
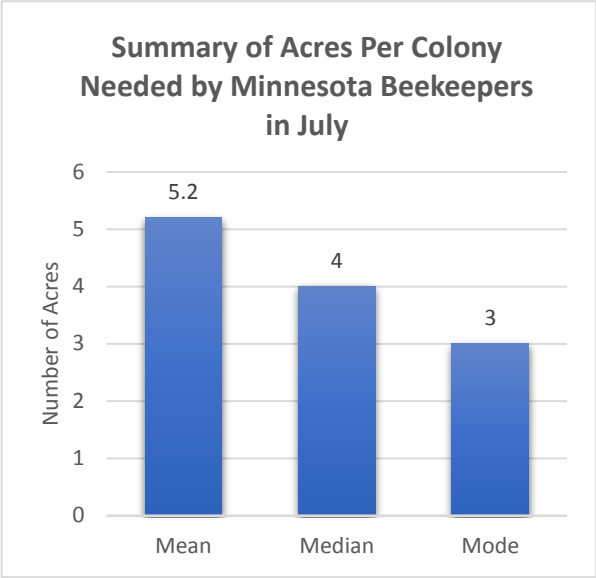
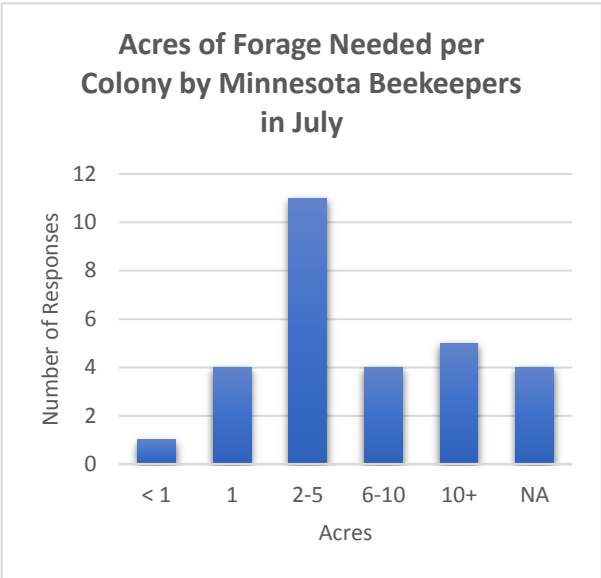
Michigan (continued)



NAPPC National Beekeeper Forage Survey

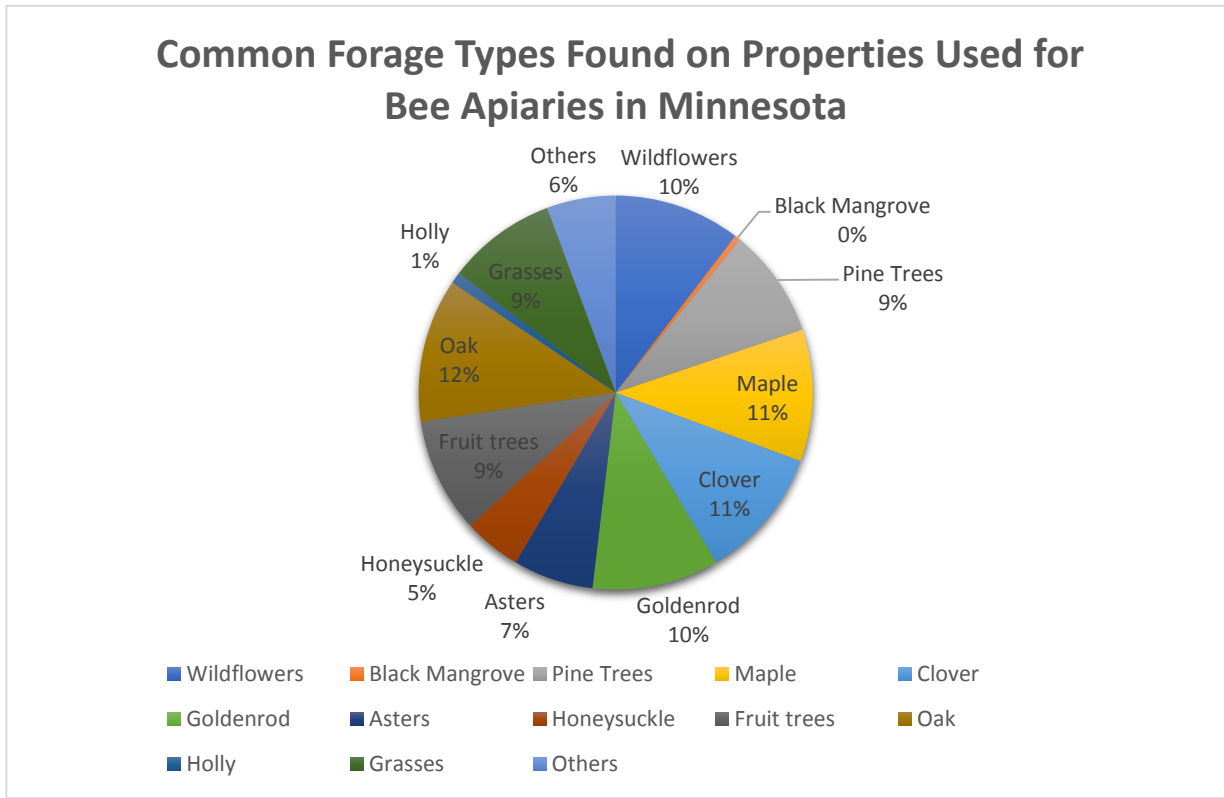
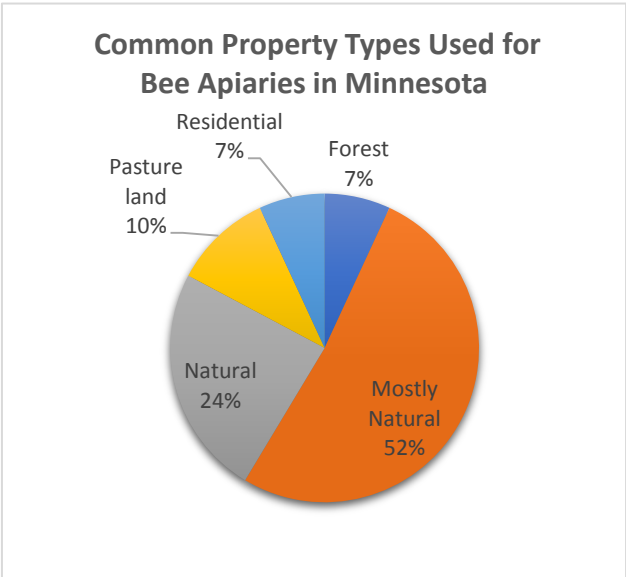
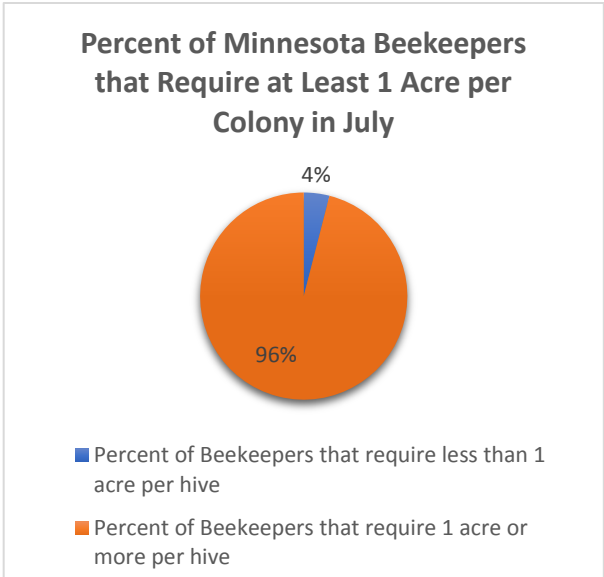
Minnesota

In Minnesota, a total of 29 beekeepers responded to the survey. No data was available for January because bees are typically not active in cold weather.



NAPPC National Beekeeper Forage Survey

Minnesota (continued)



NAPPC National Beekeeper Forage Survey

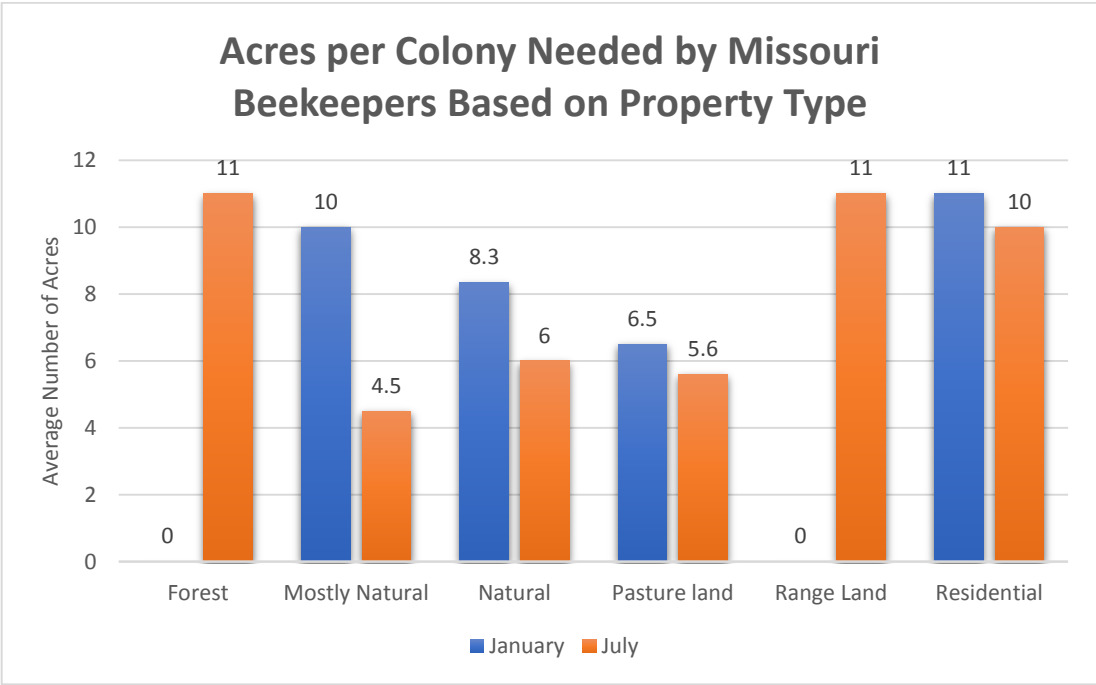
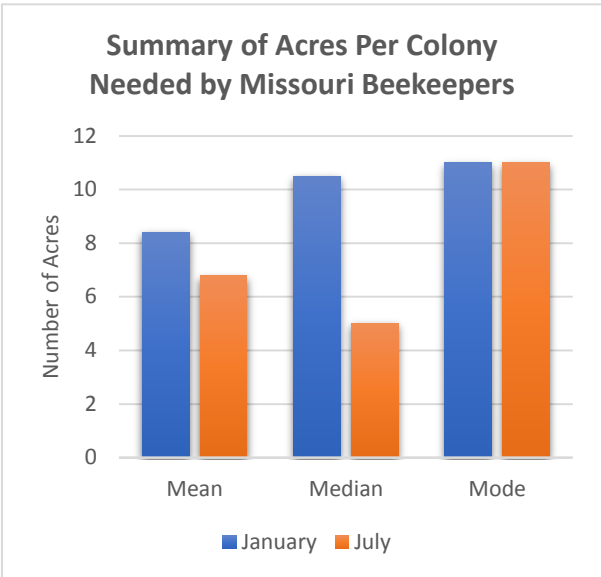
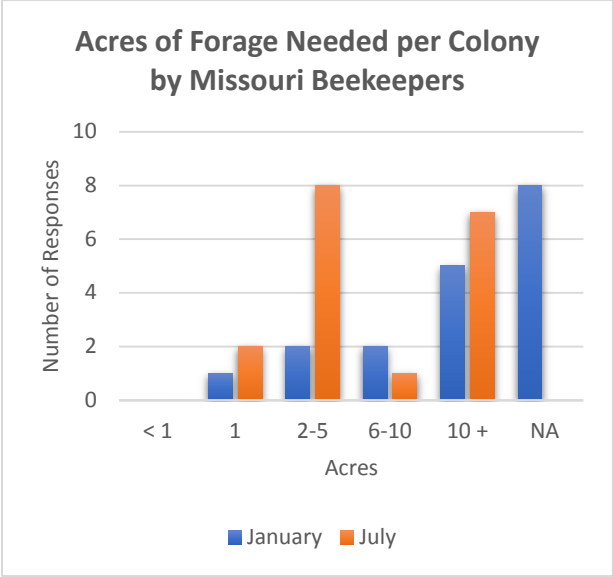
Mississippi

No Data was available for Mississippi.

NAPPC National Beekeeper Forage Survey

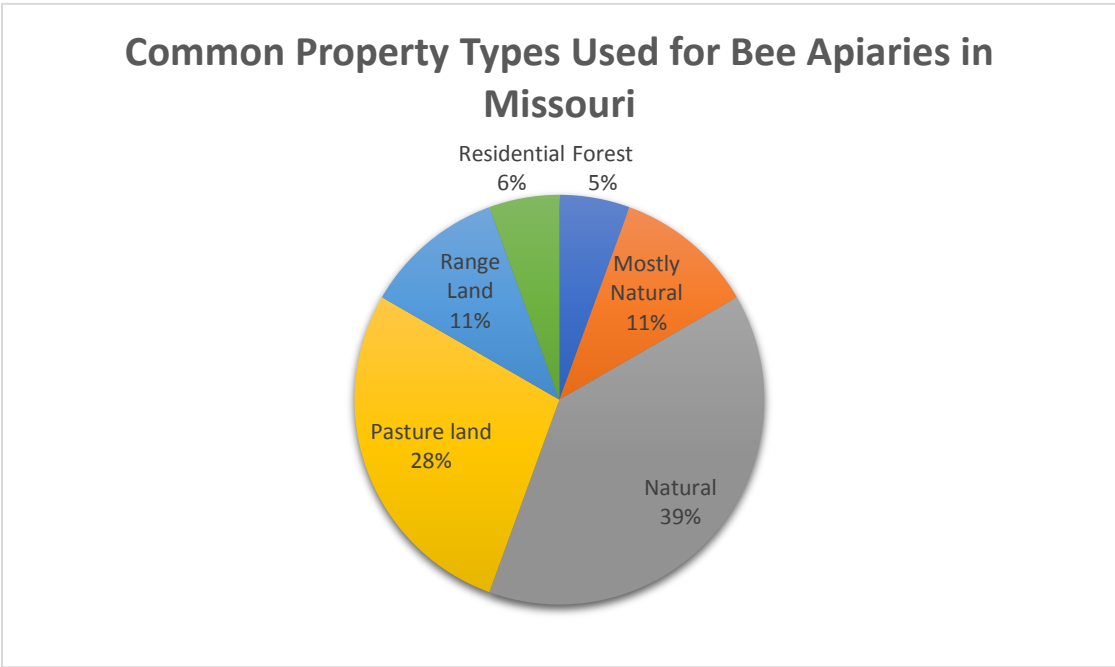
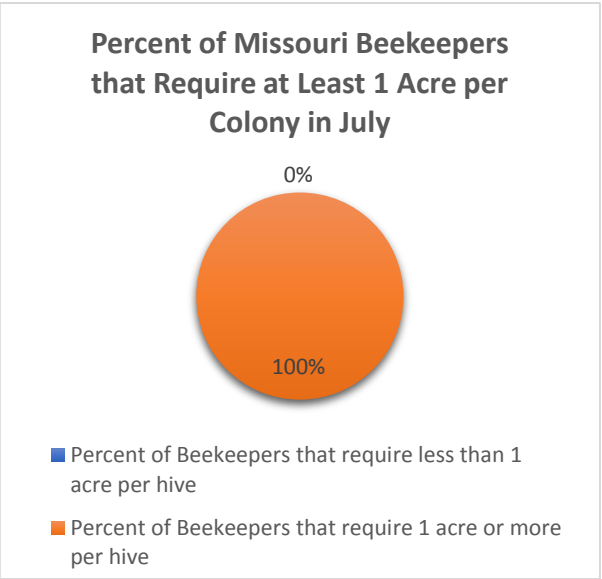
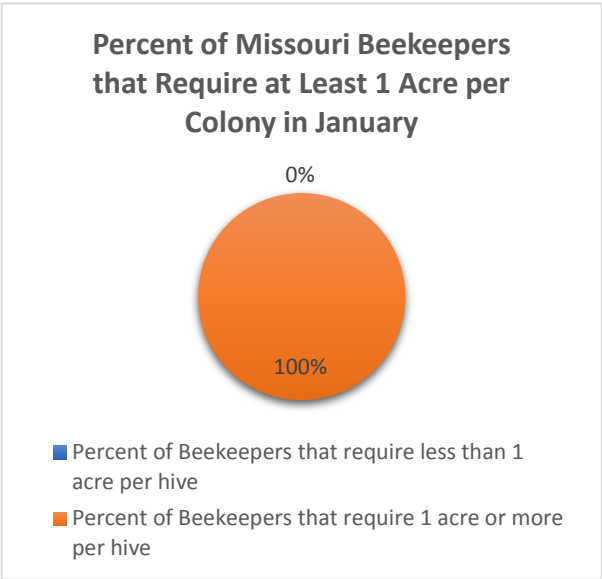
Missouri

In Montana, a total of 18 beekeepers responded to the survey.



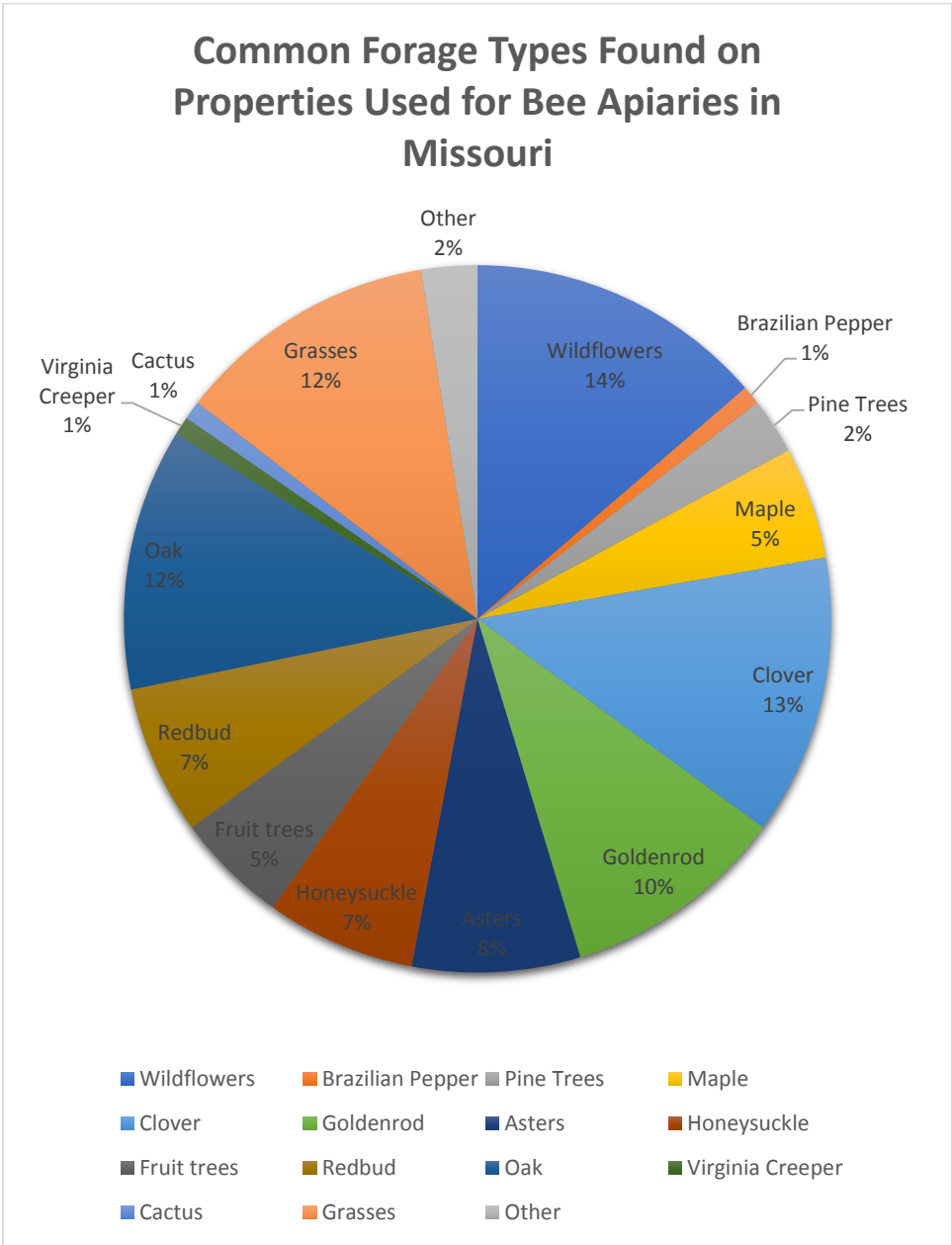
NAPPC National Beekeeper Forage Survey

Missouri (continued)



NAPPC National Beekeeper Forage Survey

Missouri (continued)



NAPPC National Beekeeper Forage Survey

Montana

No Data was available for Montana.

NAPPC National Beekeeper Forage Survey

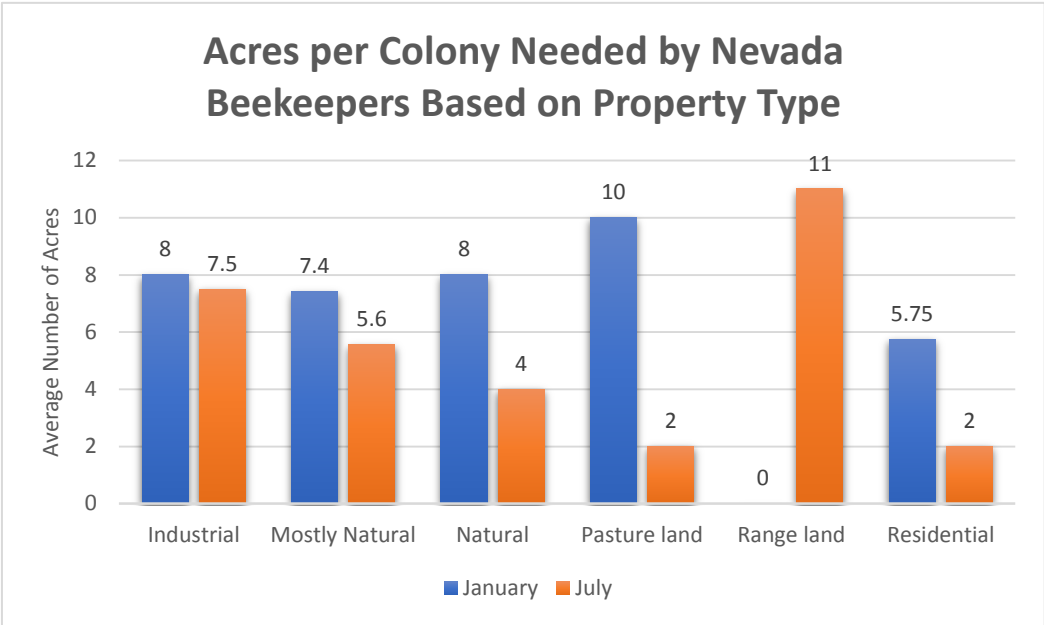
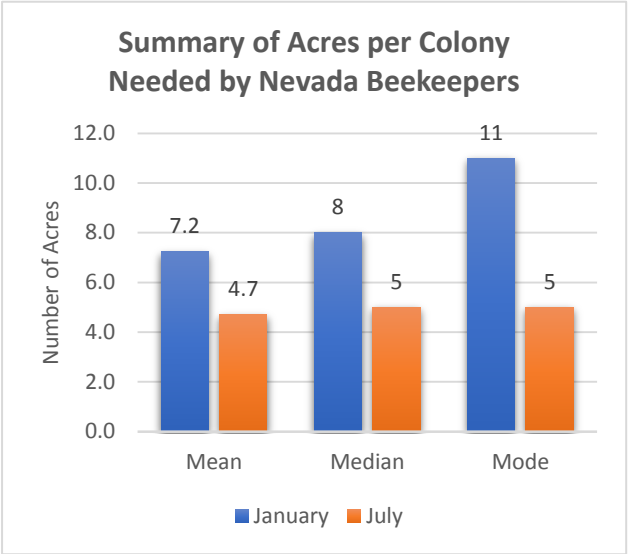
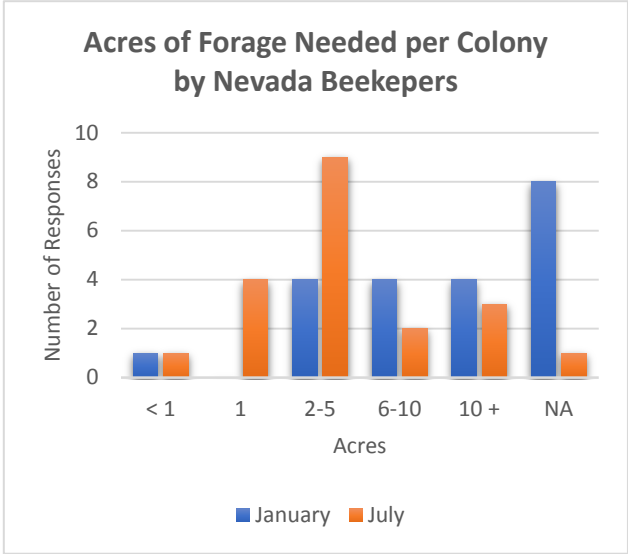
Nebraska

No Data was available for Nebraska

NAPPC National Beekeeper Forage Survey

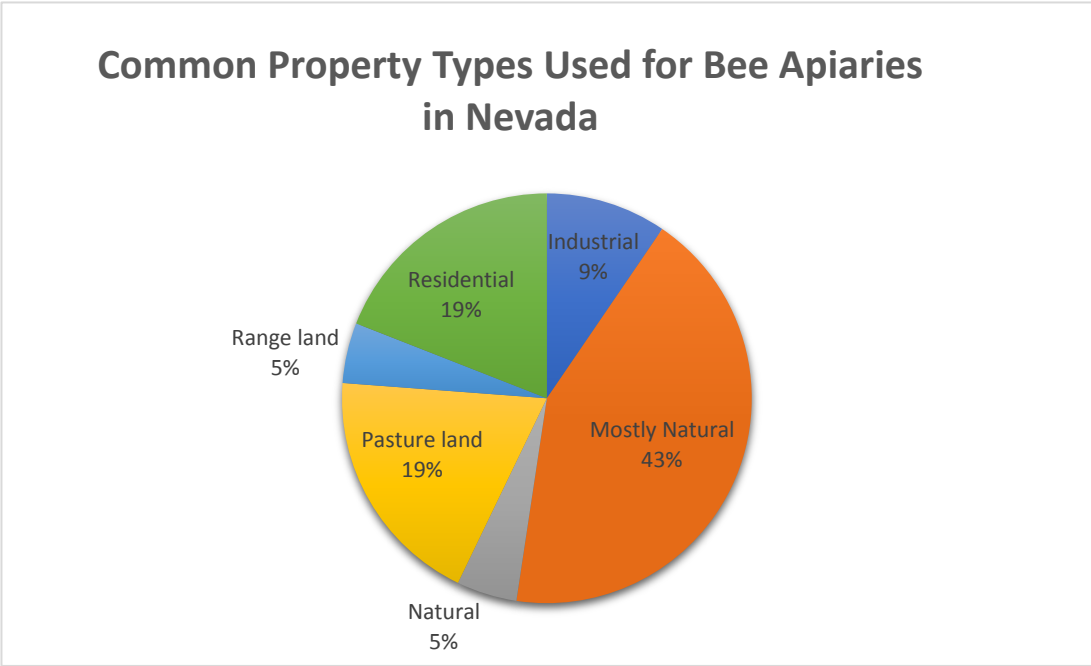
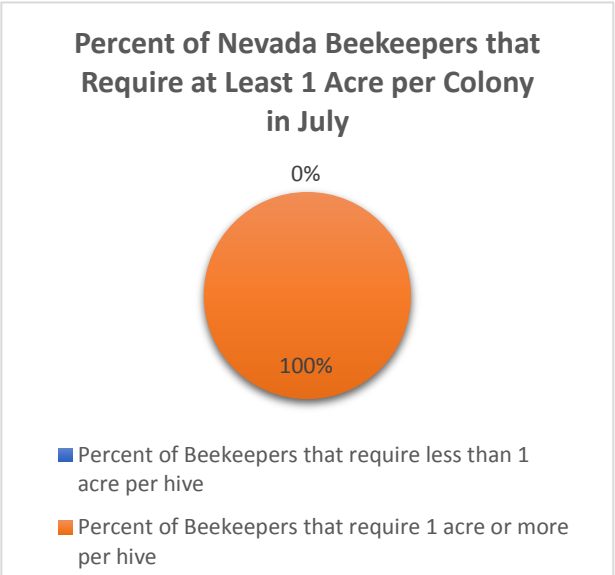
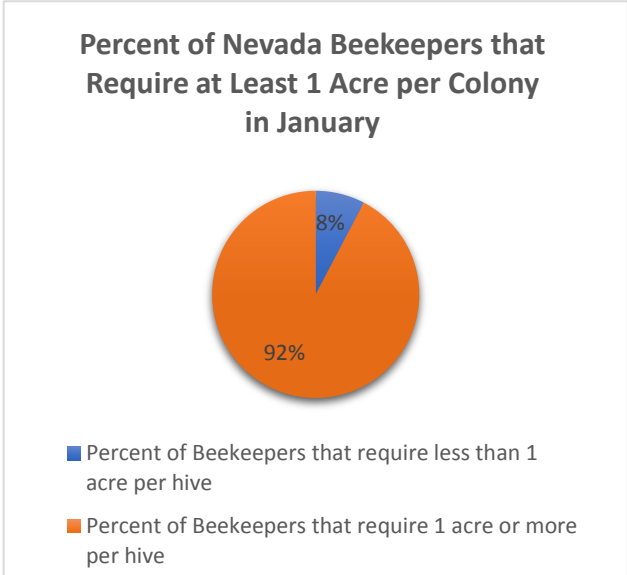
Nevada

In Nevada, a total of 20 beekeepers responded to the survey.



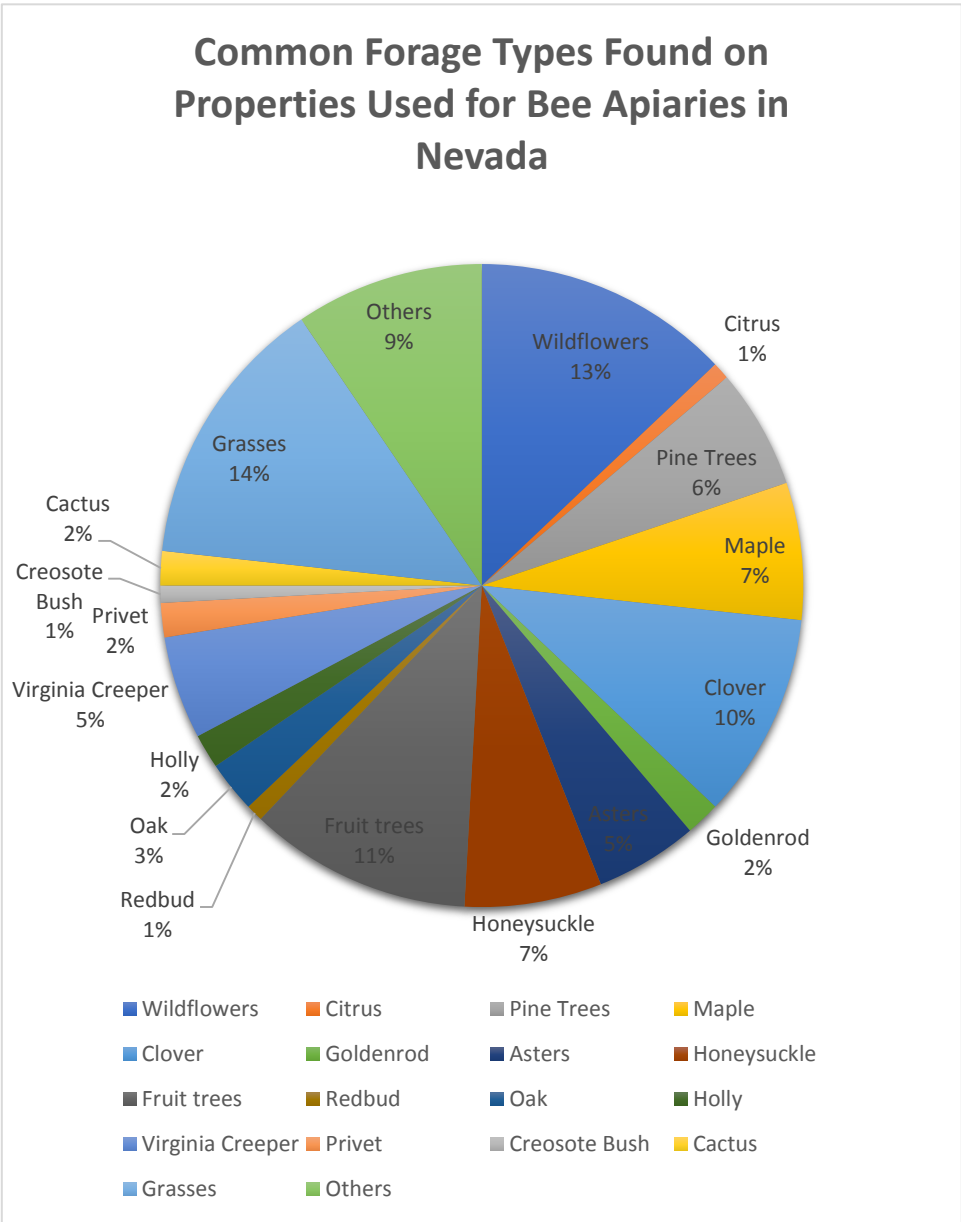
NAPPC National Beekeeper Forage Survey

Nevada (continued)



NAPPC National Beekeeper Forage Survey

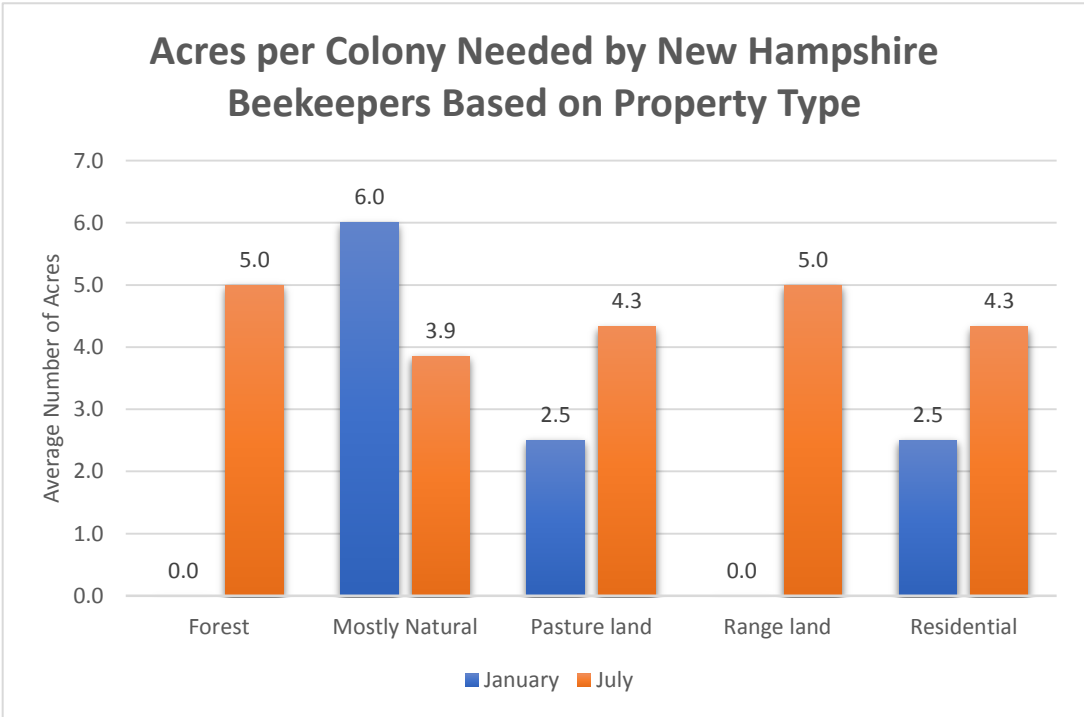
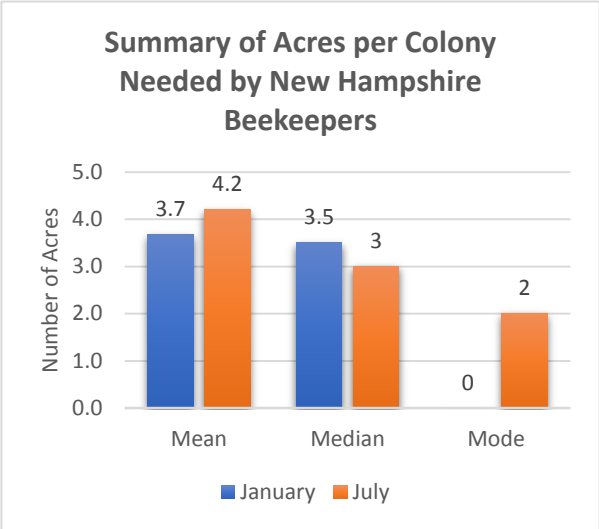
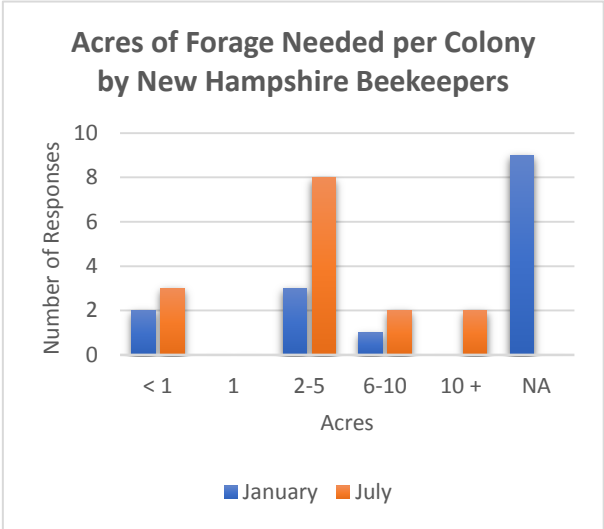
Nevada (continued)



NAPPC National Beekeeper Forage Survey

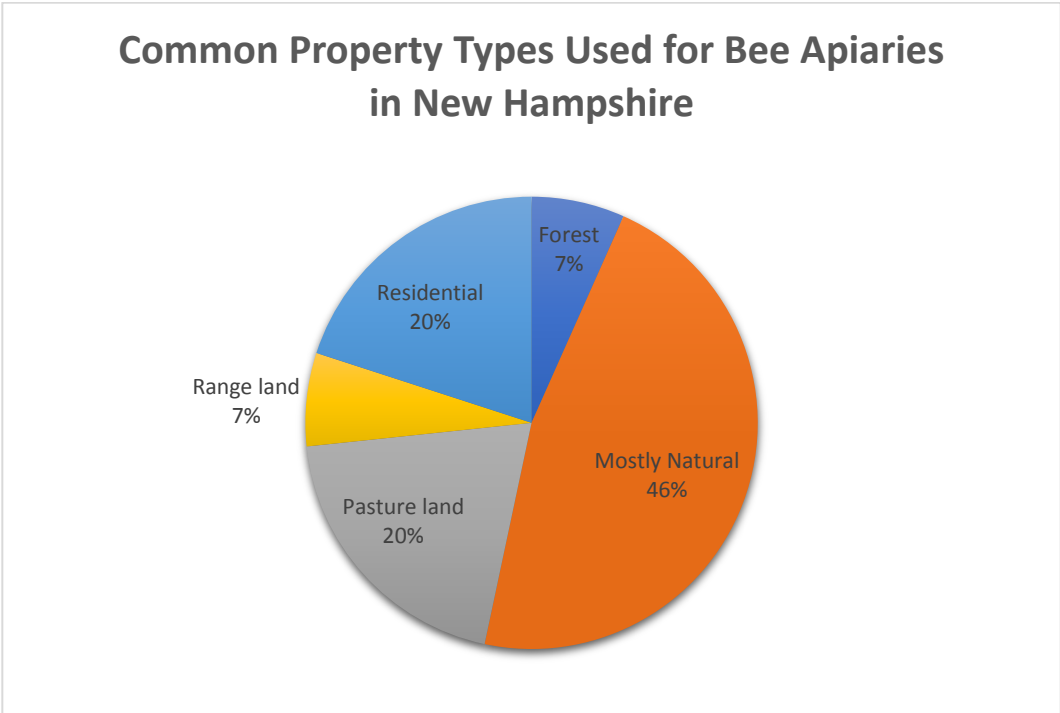
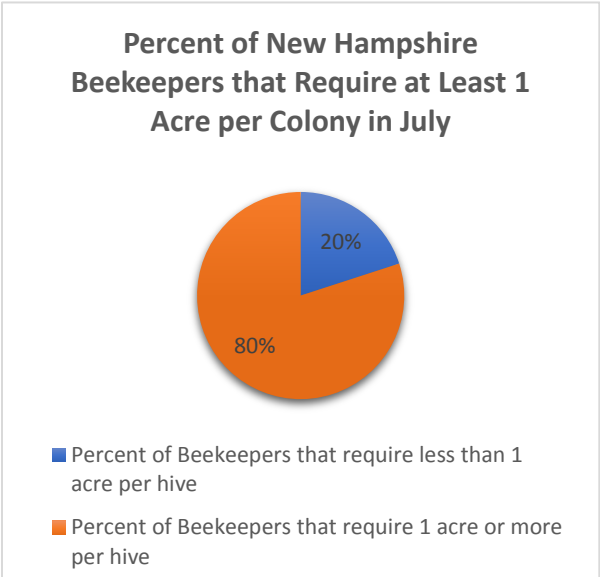
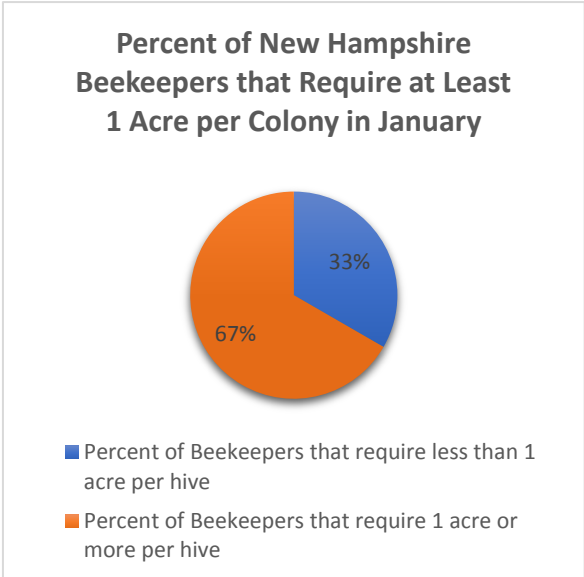
New Hampshire

In New Hampshire, a total of 15 beekeepers responded to the survey.



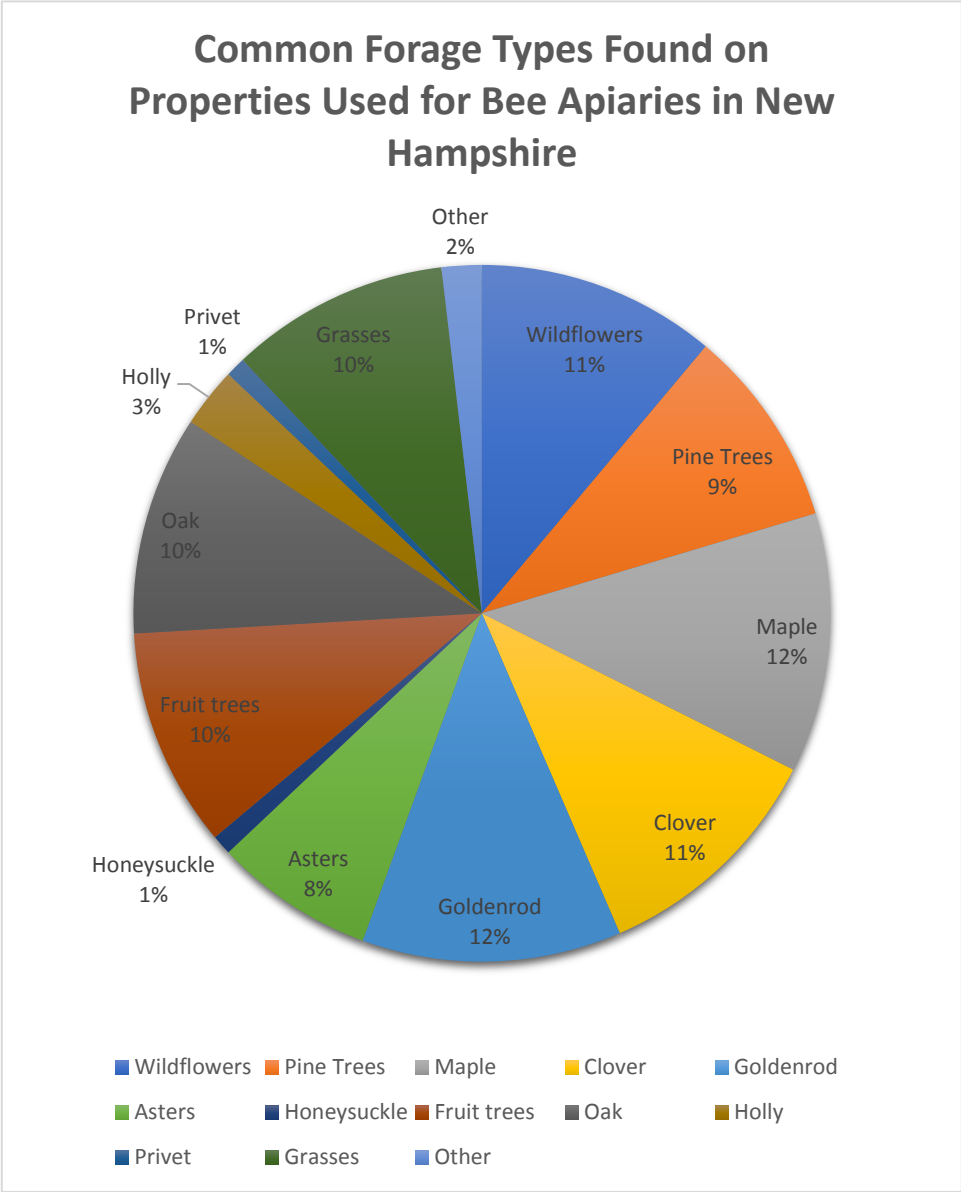
NAPPC National Beekeeper Forage Survey

New Hampshire (continued)



NAPPC National Beekeeper Forage Survey

New Hampshire (continued)



NAPPC National Beekeeper Forage Survey

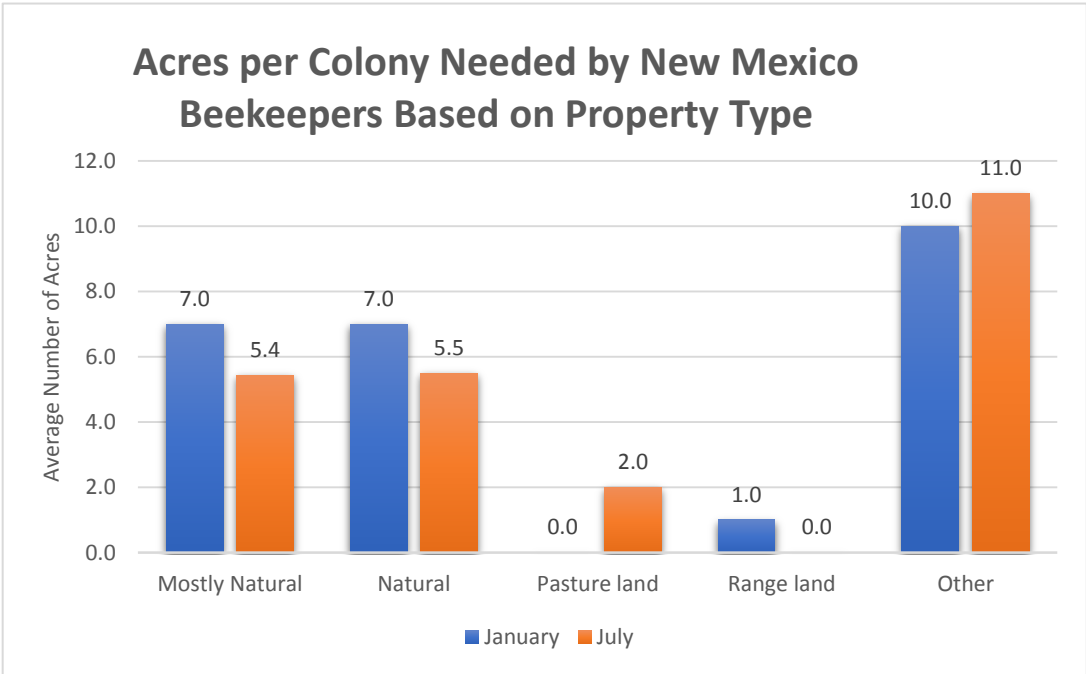
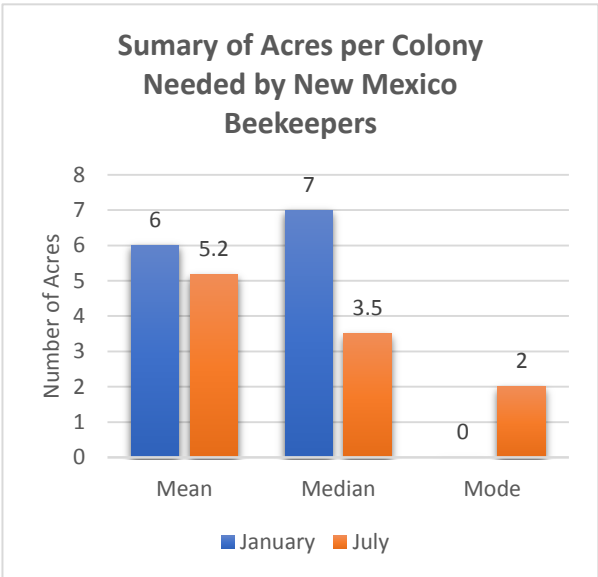
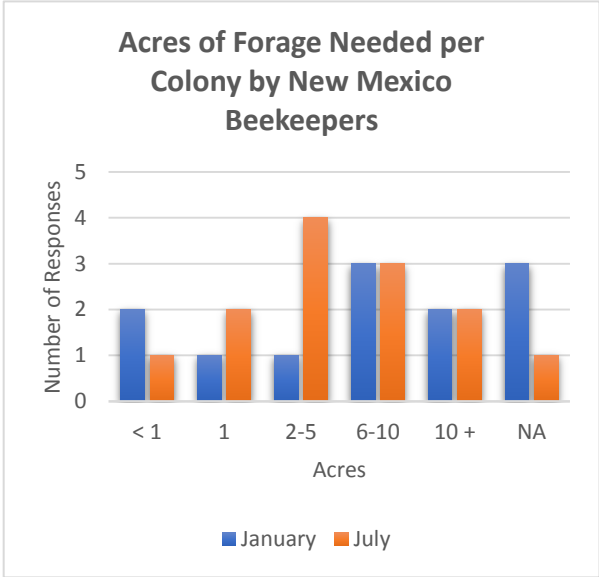
New Jersey

Not enough data was available for New Jersey.

NAPPC National Beekeeper Forage Survey

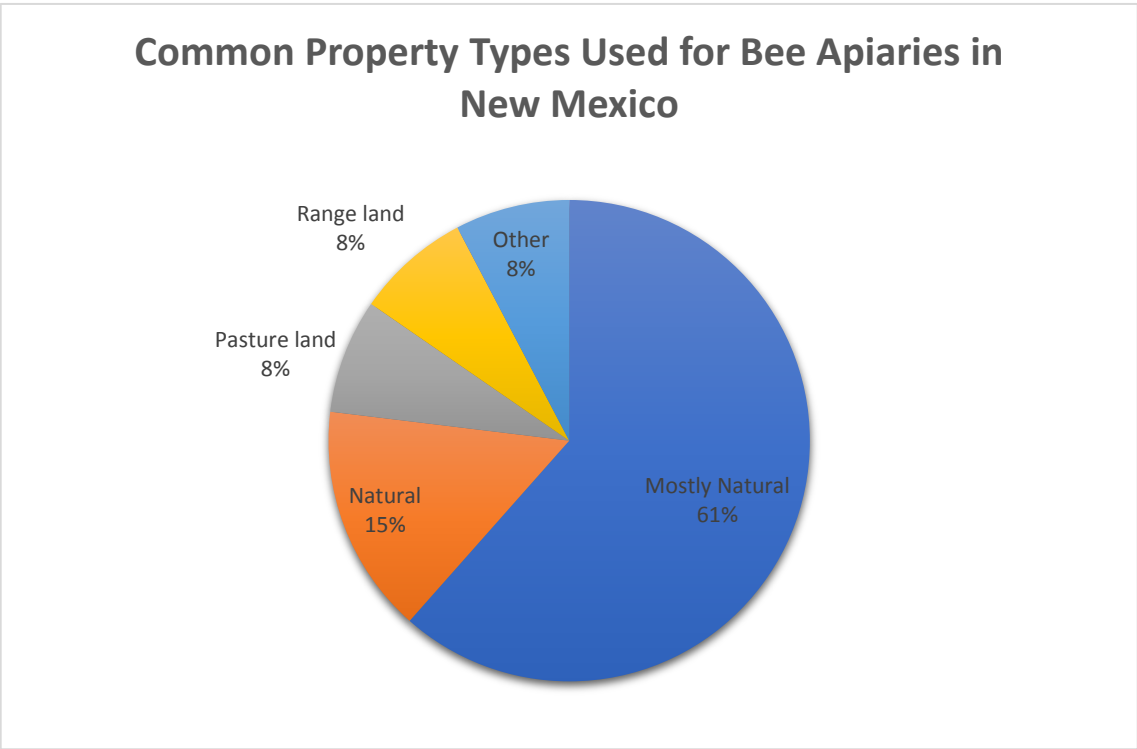
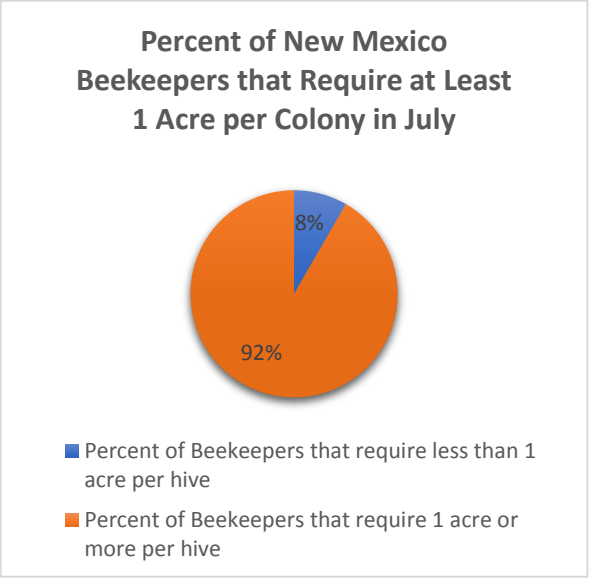
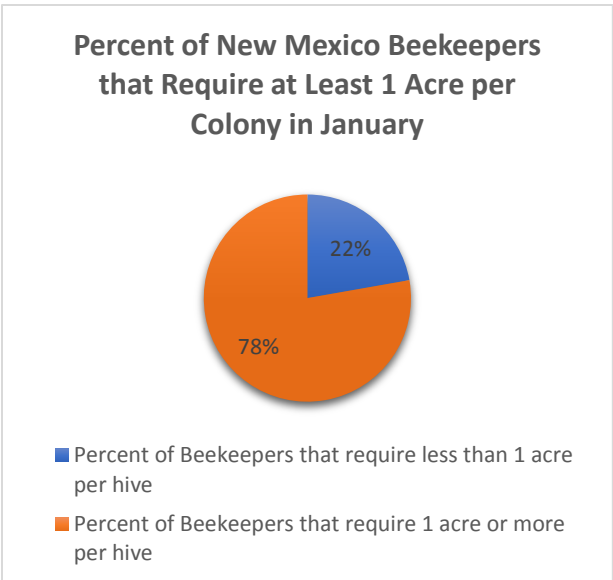
New Mexico

In New Mexico, a total of 13 beekeepers responded to the survey.



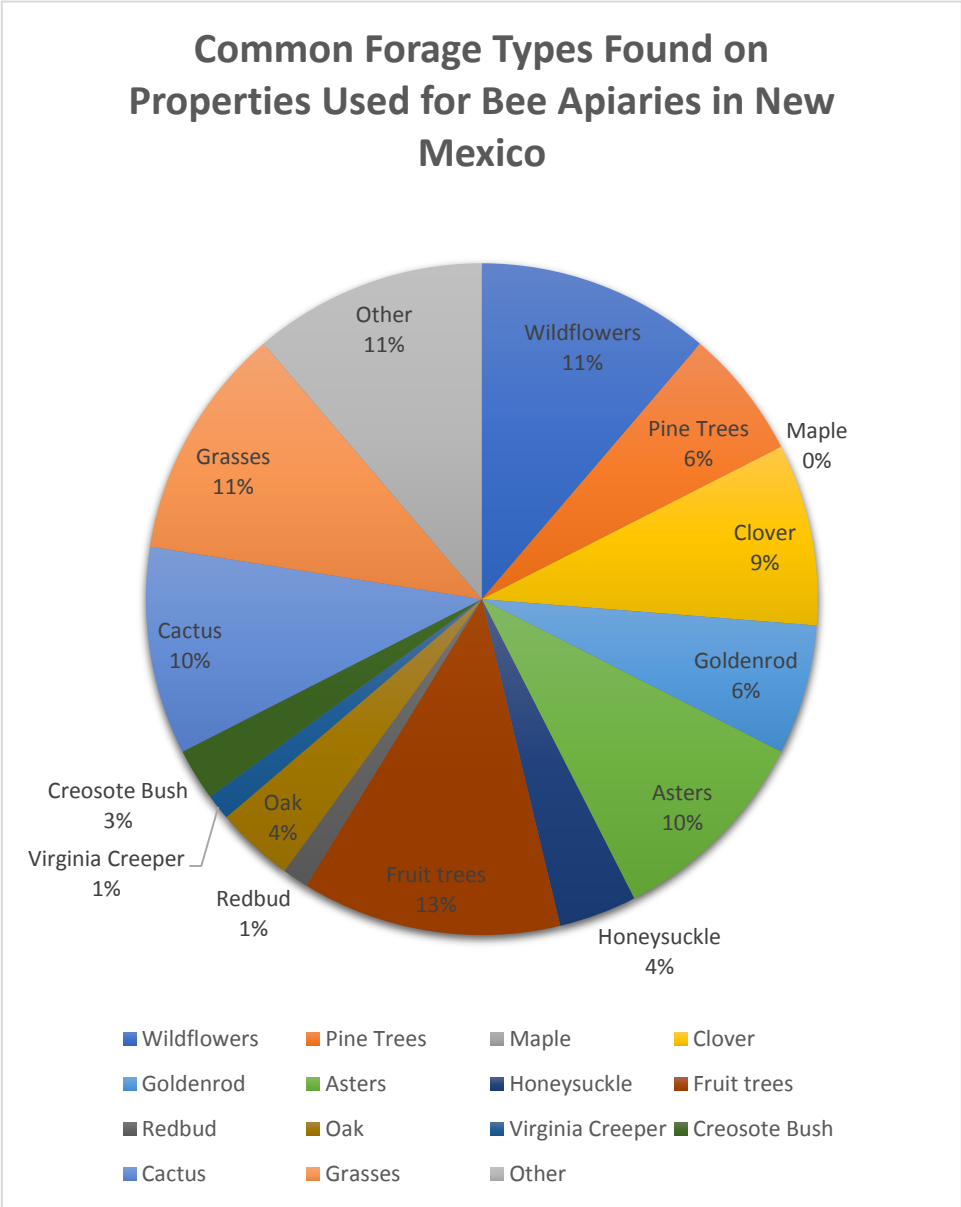
NAPPC National Beekeeper Forage Survey

New Mexico (continued)



NAPPC National Beekeeper Forage Survey

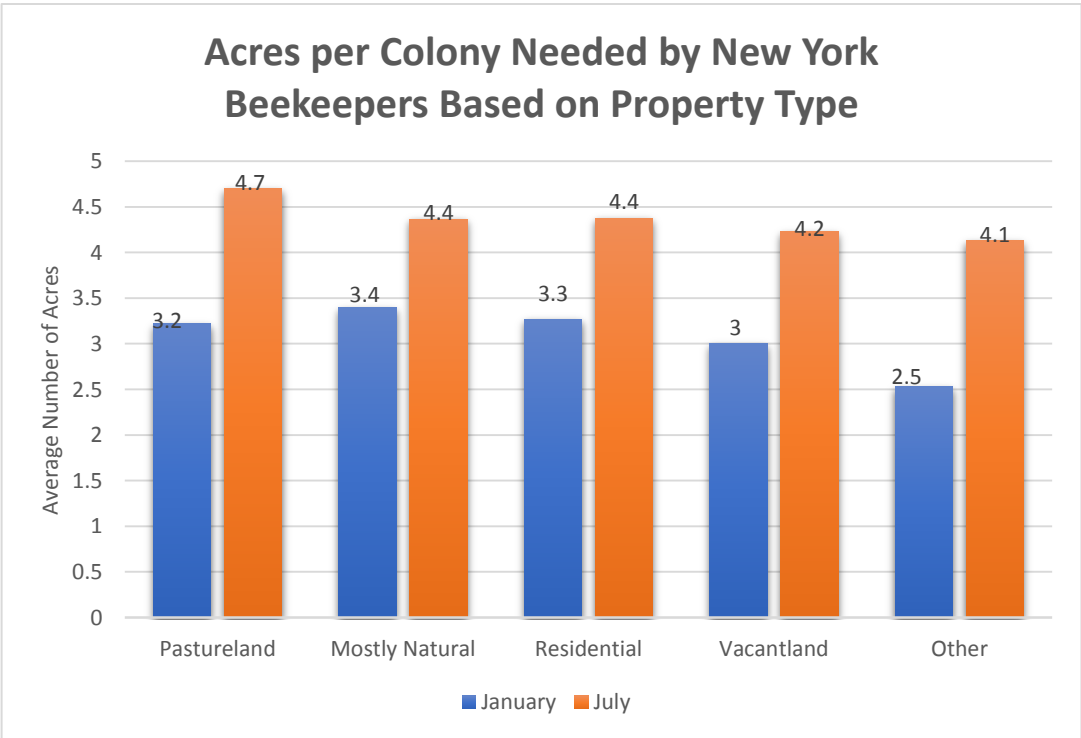
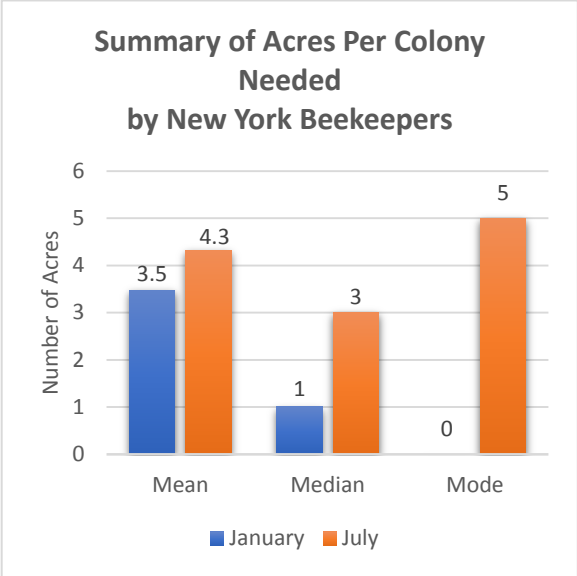
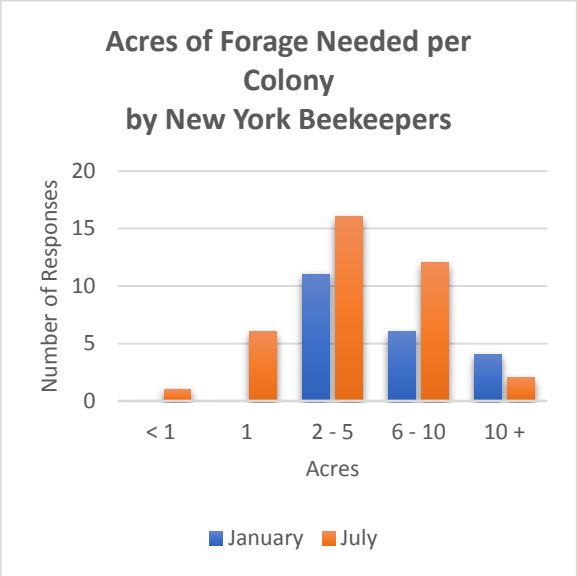
New Mexico (continued)



NAPPC National Beekeeper Forage Survey

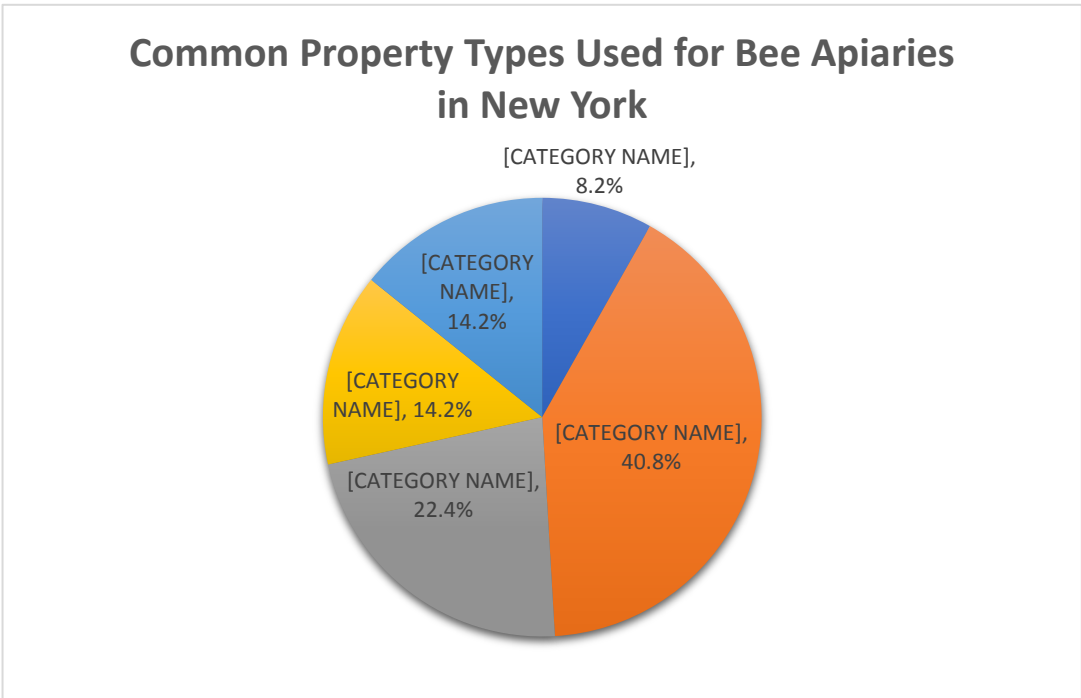
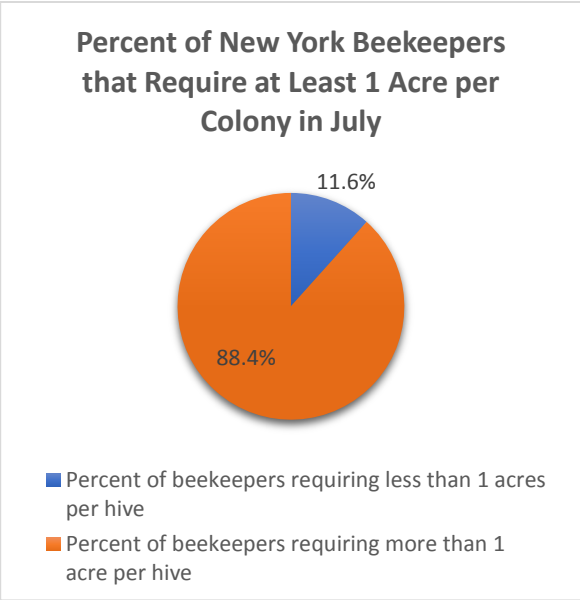
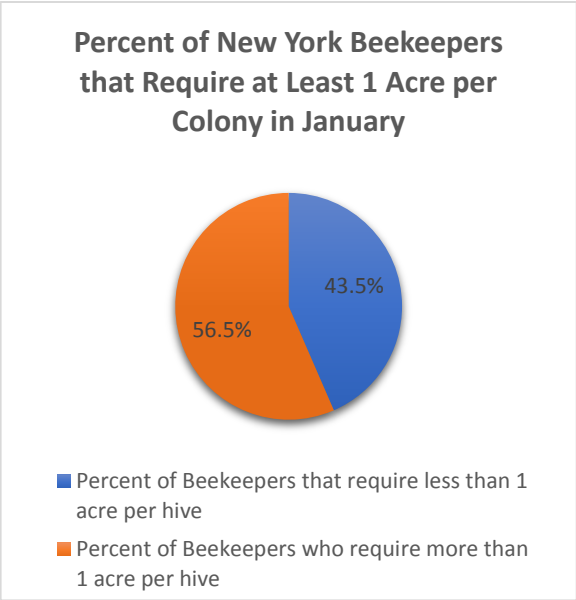
New York

In New York, a total of 49 beekeepers responded to the survey.



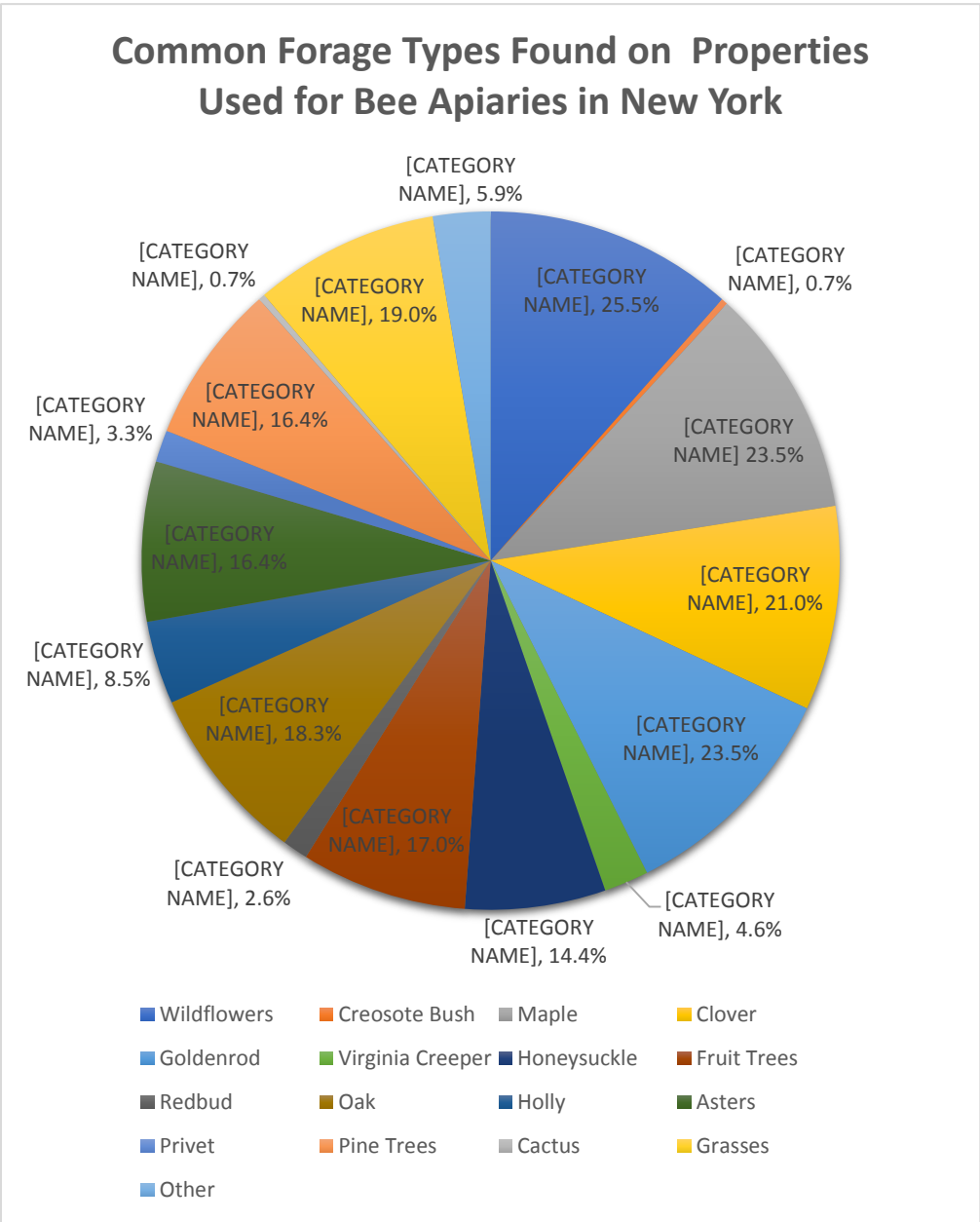
NAPPC National Beekeeper Forage Survey

New York (continued)



NAPPC National Beekeeper Forage Survey

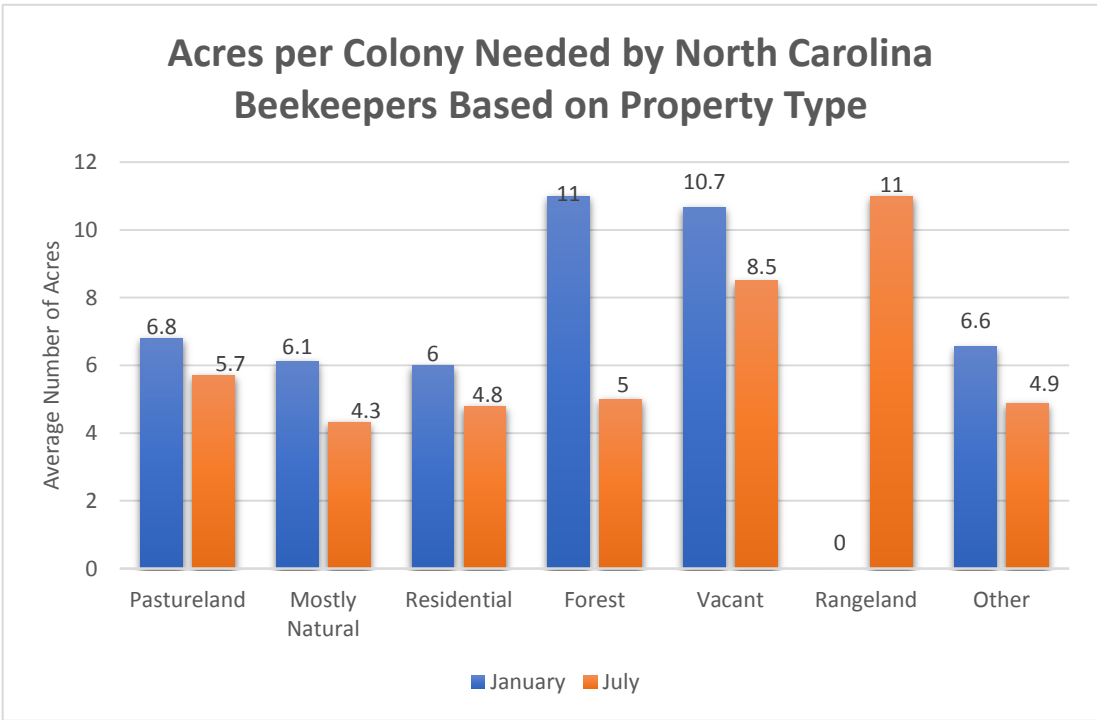
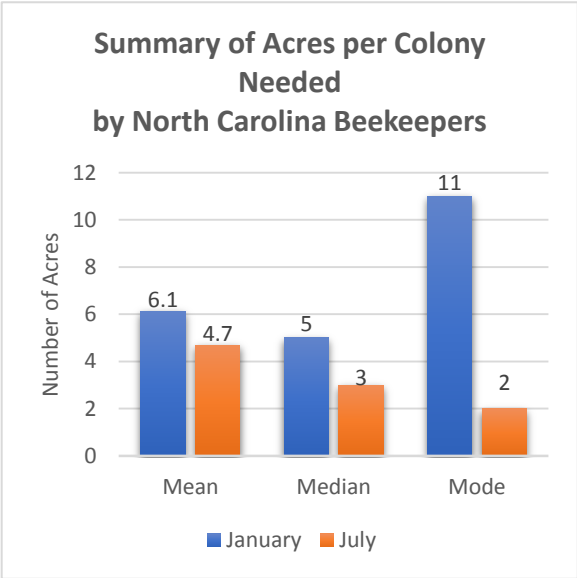
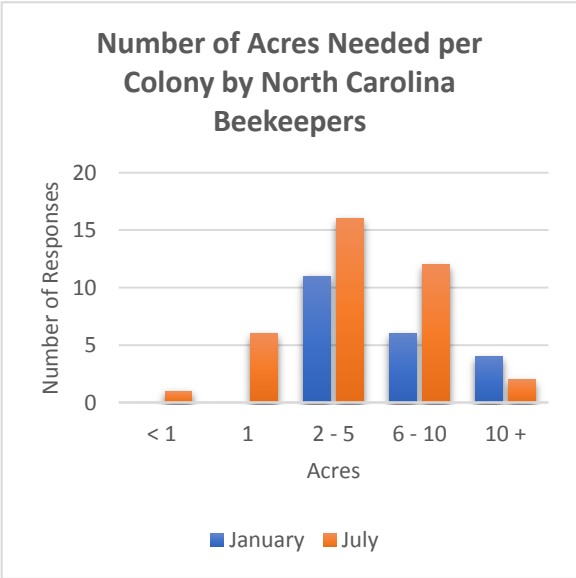
New York (continued)



NAPPC National Beekeeper Forage Survey

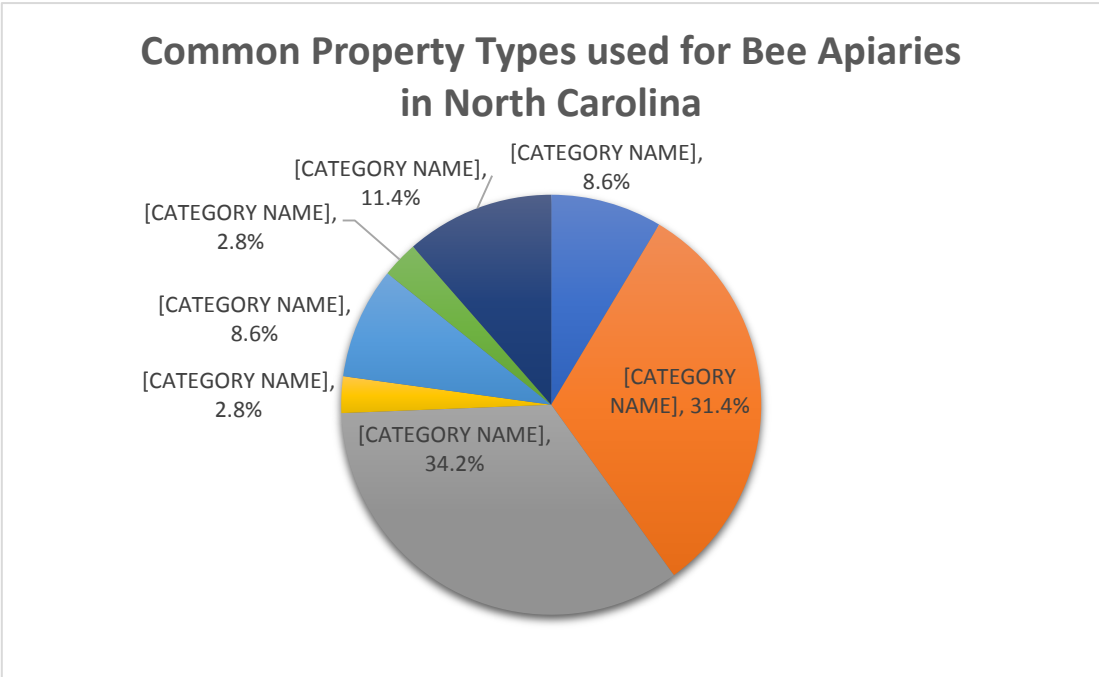
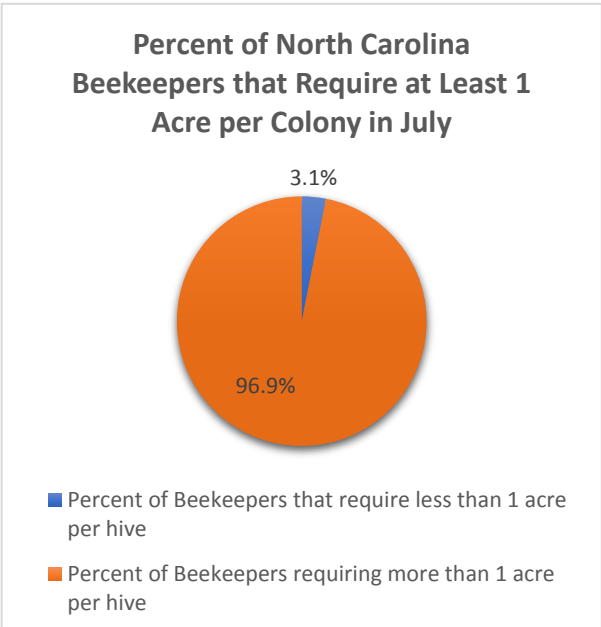
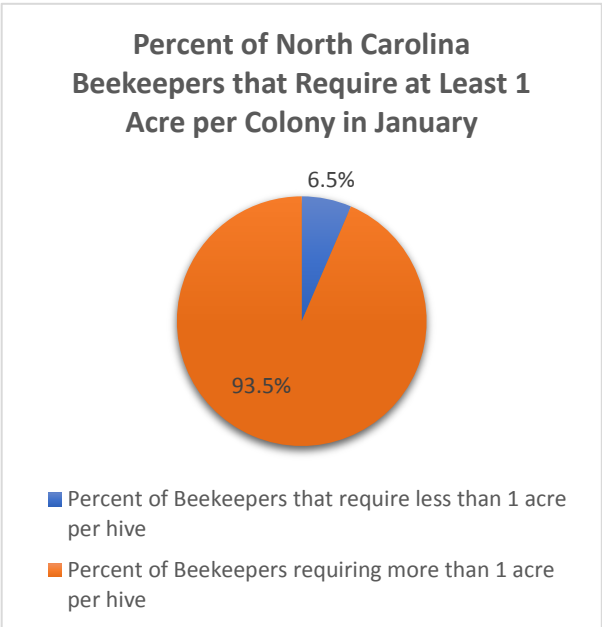
North Carolina

In North Carolina, a total of 35 beekeepers responded to the survey.



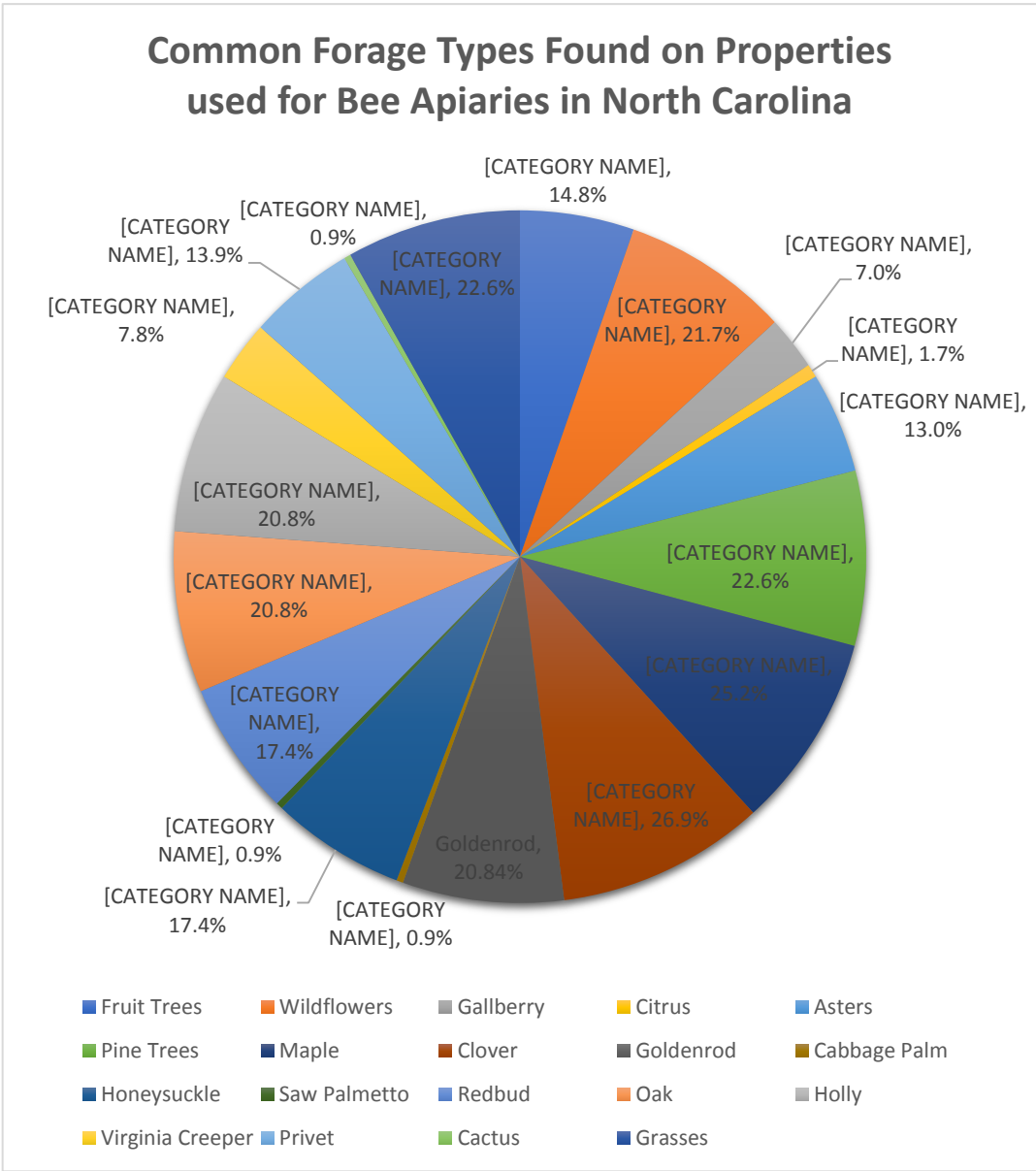
NAPPC National Beekeeper Forage Survey

North Carolina (continued)



NAPPC National Beekeeper Forage Survey

North Carolina (continued)



NAPPC National Beekeeper Forage Survey

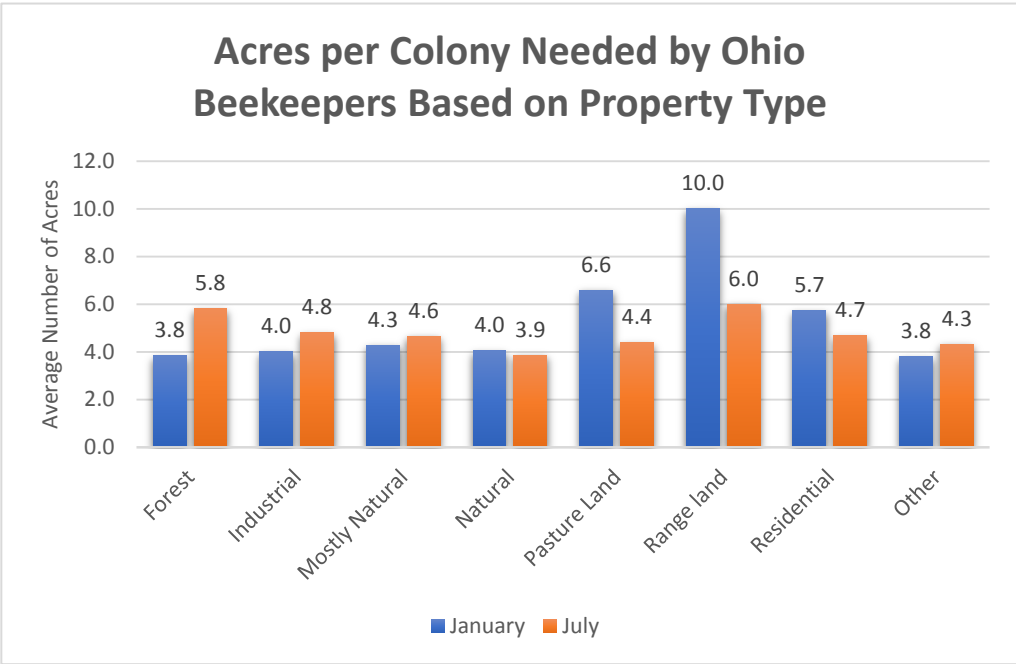
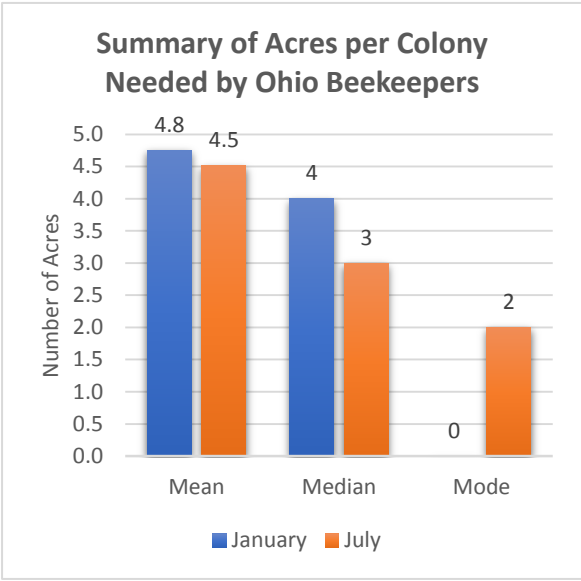
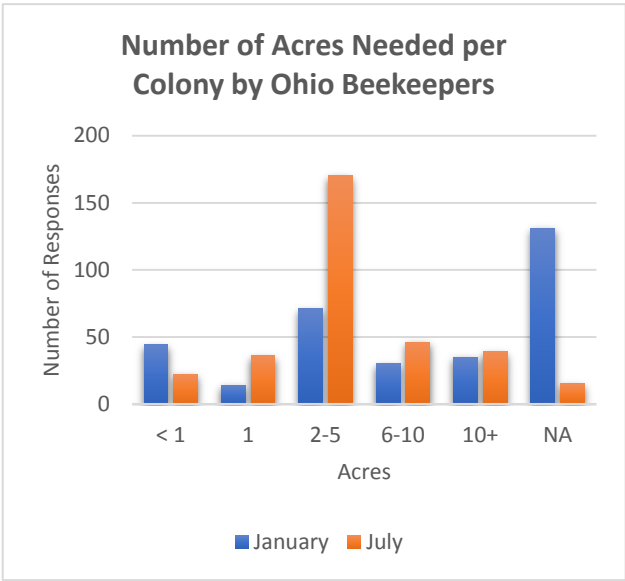
North Dakota

No Data

NAPPC National Beekeeper Forage Survey

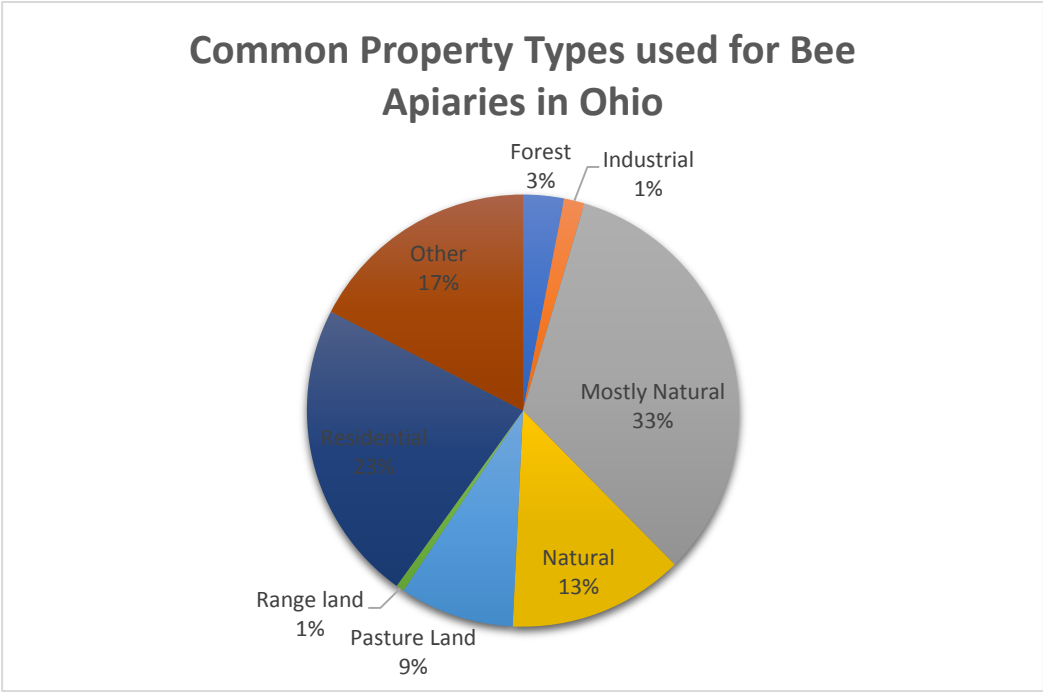
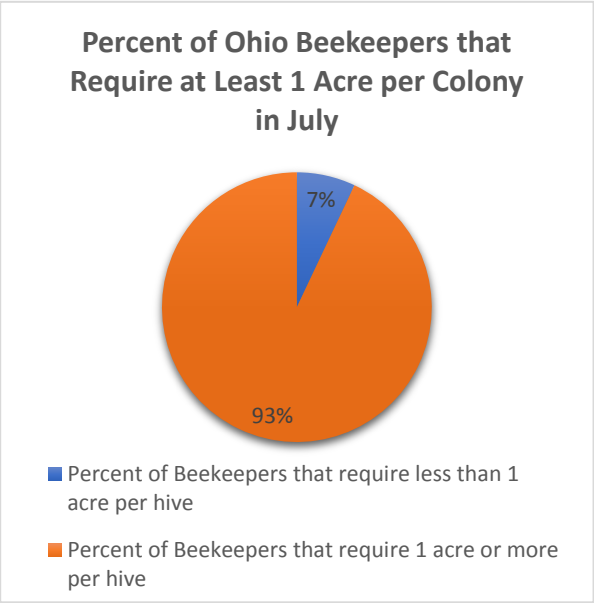
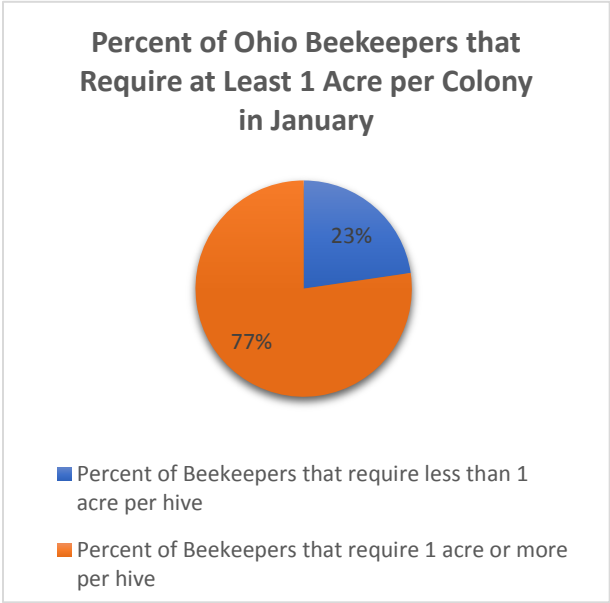
Ohio

In Ohio, a total of 328 beekeepers responded to the survey.



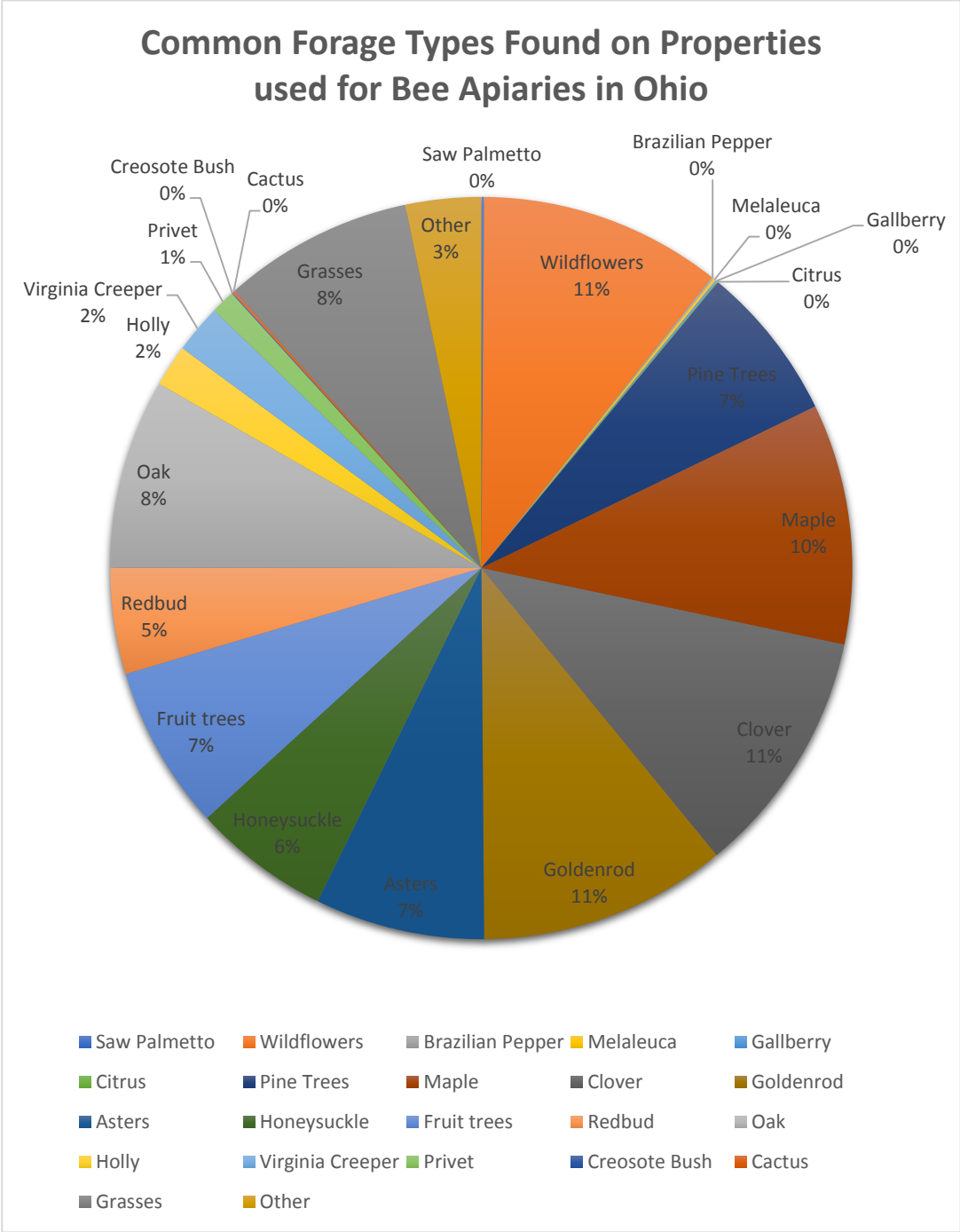
NAPPC National Beekeeper Forage Survey

Ohio (continued)



NAPPC National Beekeeper Forage Survey

Ohio (continued)



NAPPC National Beekeeper Forage Survey

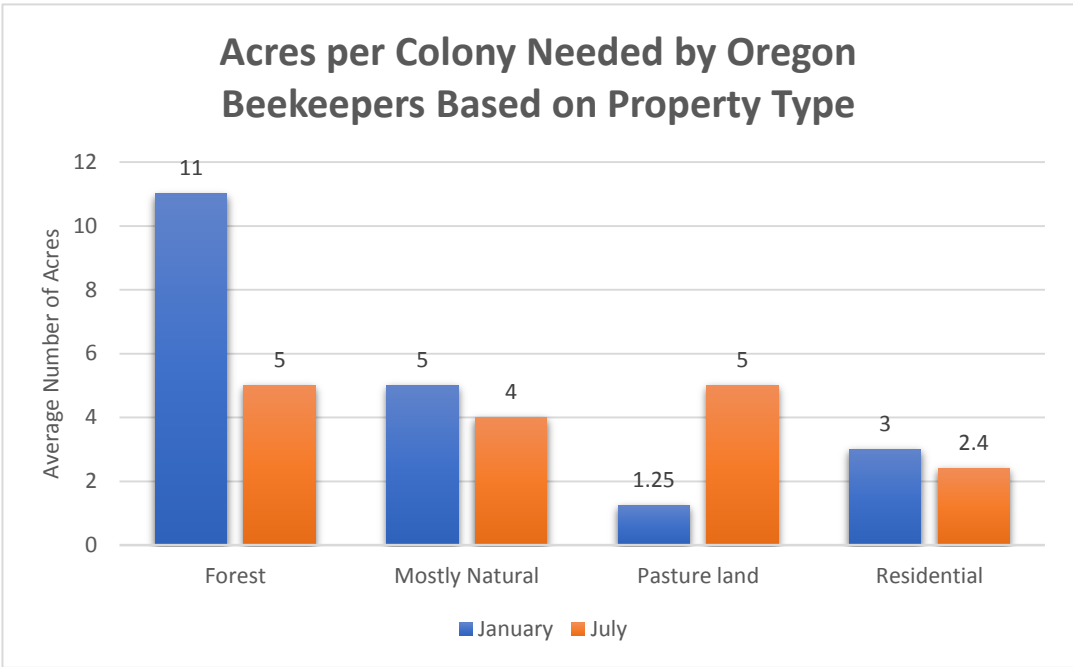
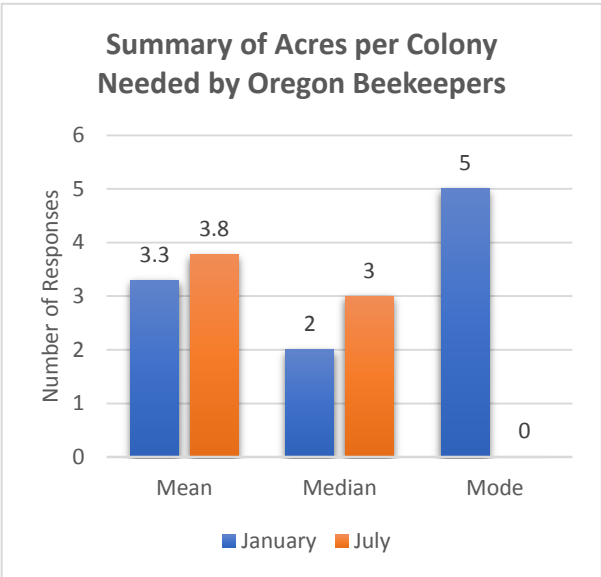
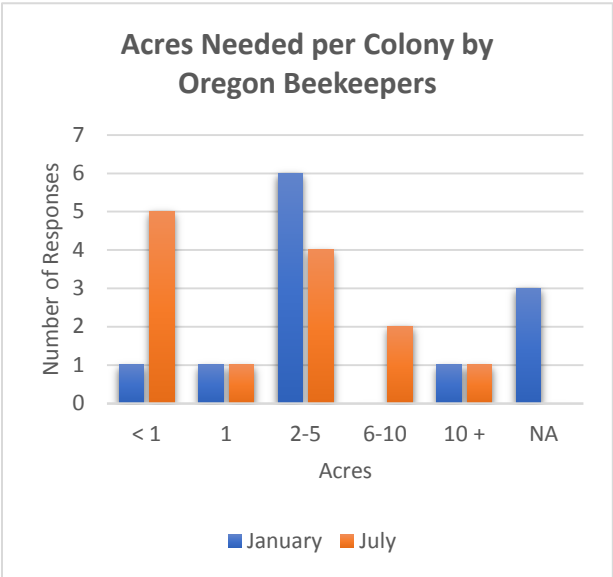
Oklahoma

Not enough data was available for Oklahoma

NAPPC National Beekeeper Forage Survey

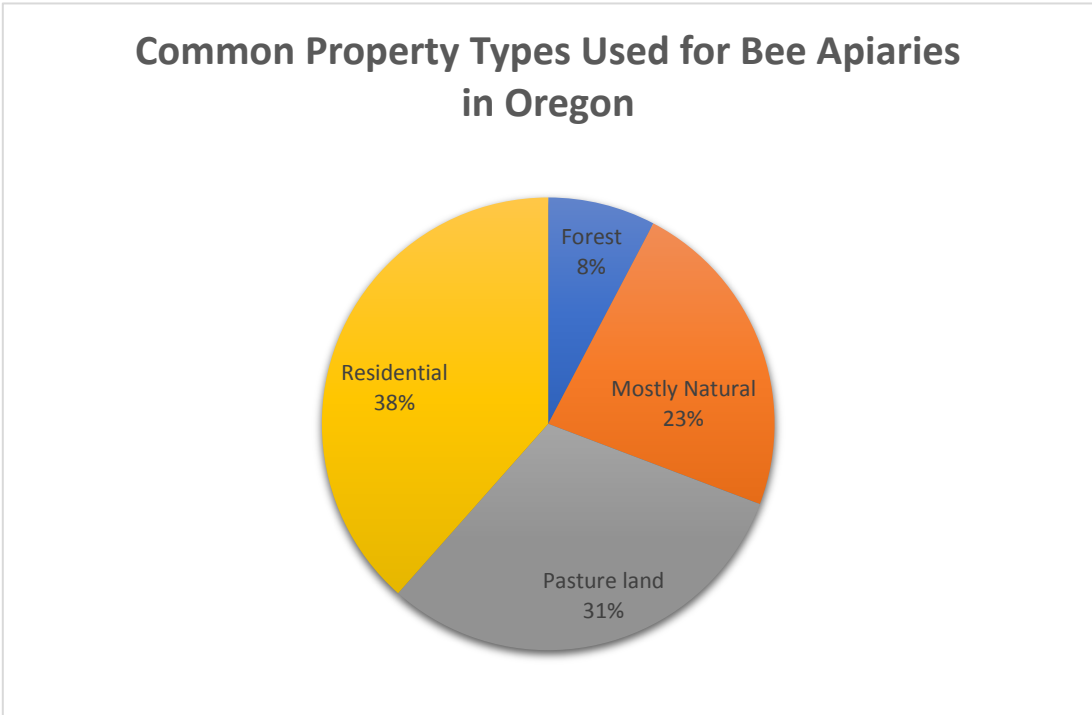
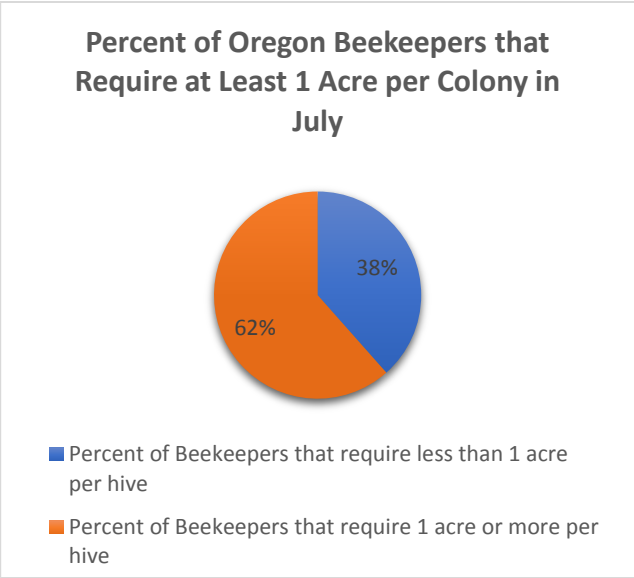
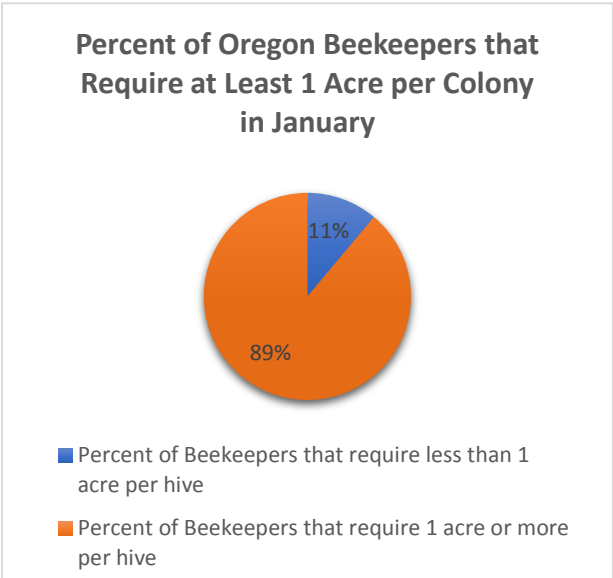
Oregon

In Oregon, a total of 13 beekeepers responded to the survey.



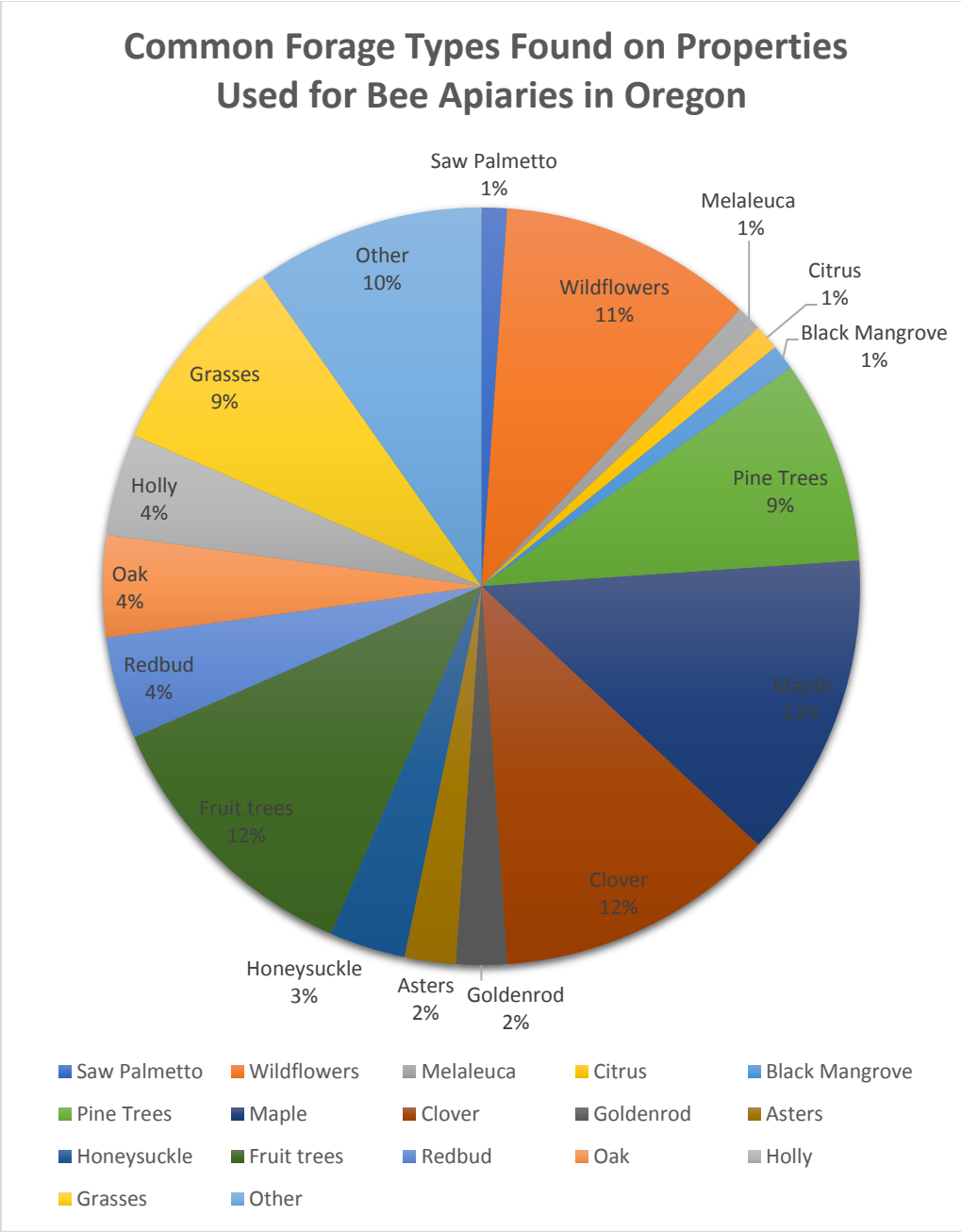
NAPPC National Beekeeper Forage Survey

Oregon (continued)



NAPPC National Beekeeper Forage Survey

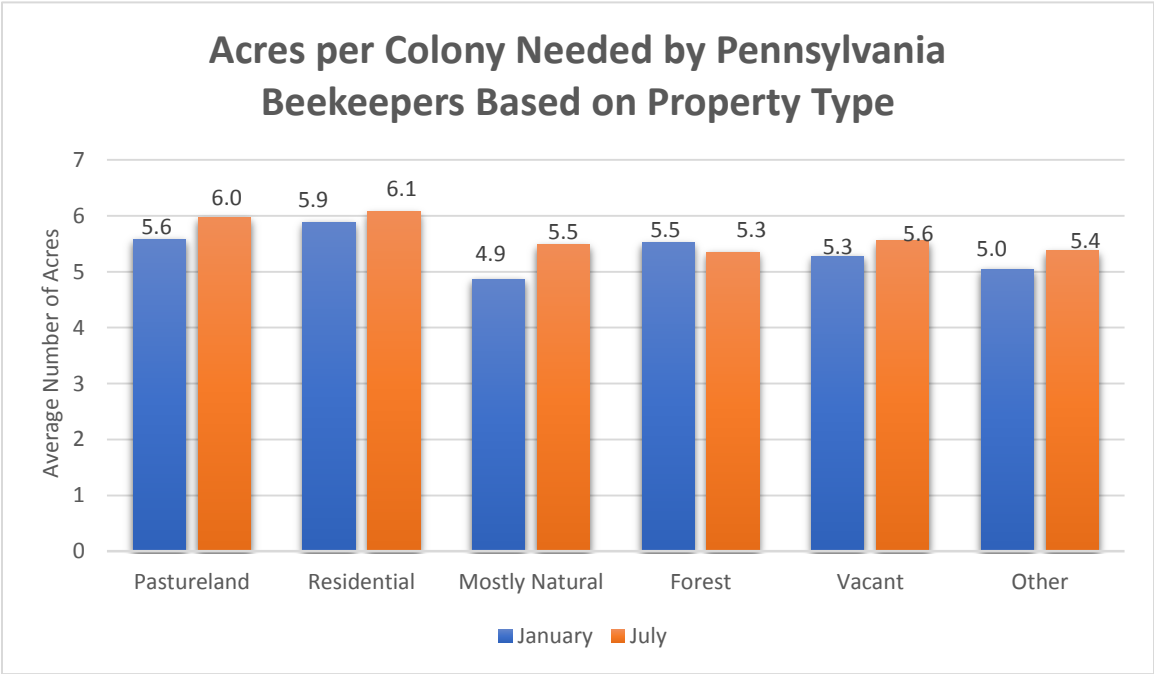
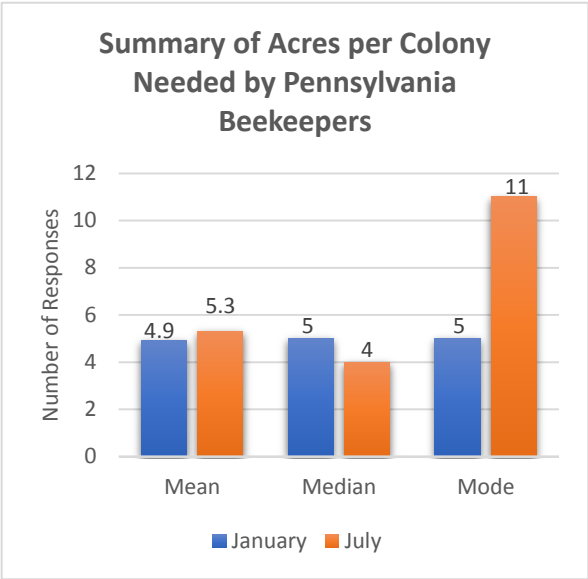
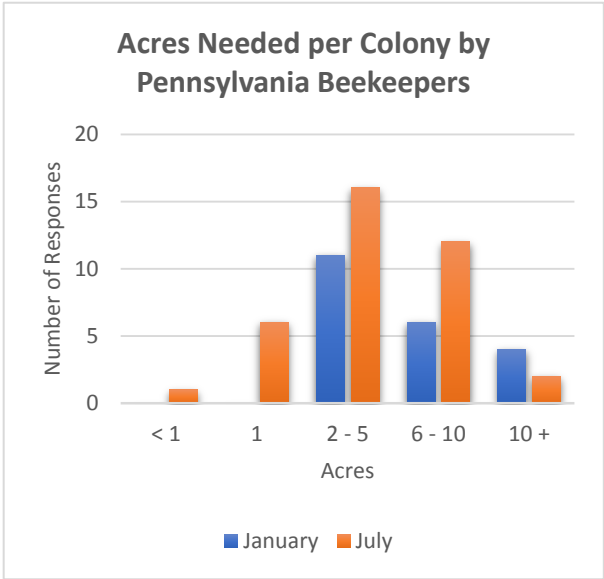
Oregon (continued)



NAPPC National Beekeeper Forage Survey

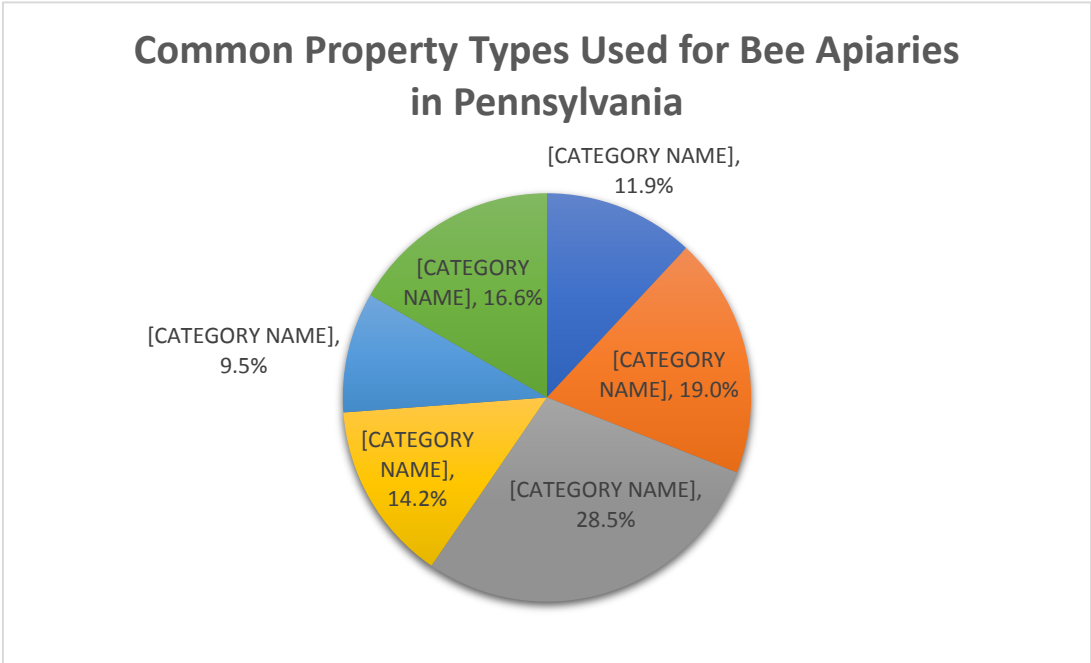
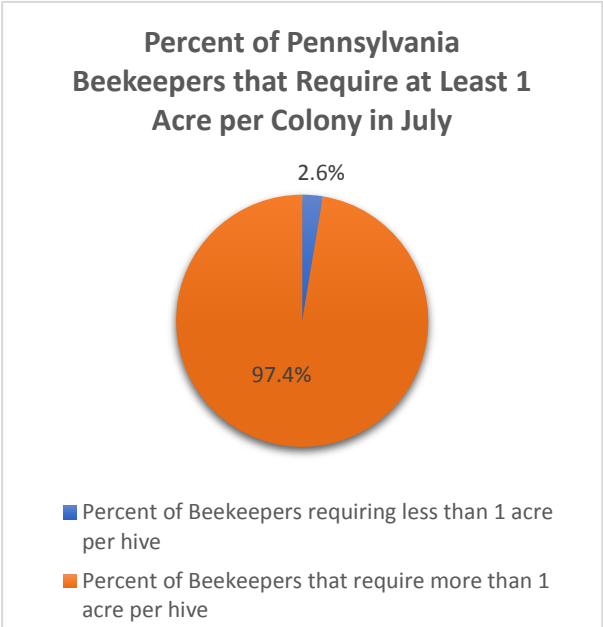
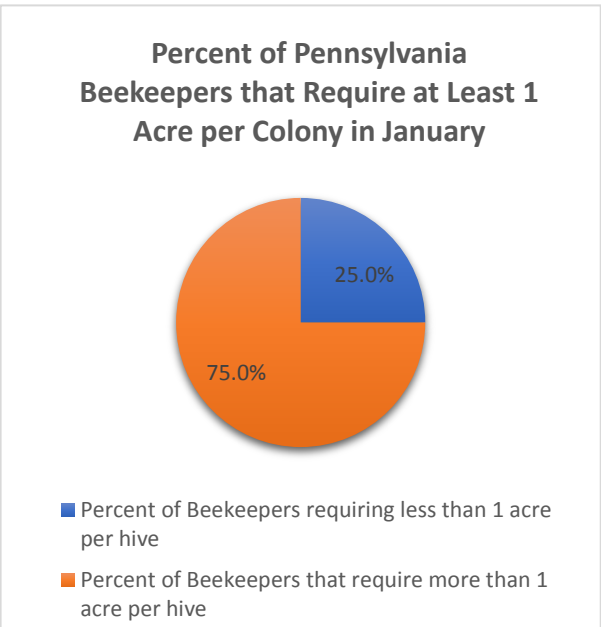
Pennsylvania

In Pennsylvania, a total of 42 beekeepers responded to the survey.



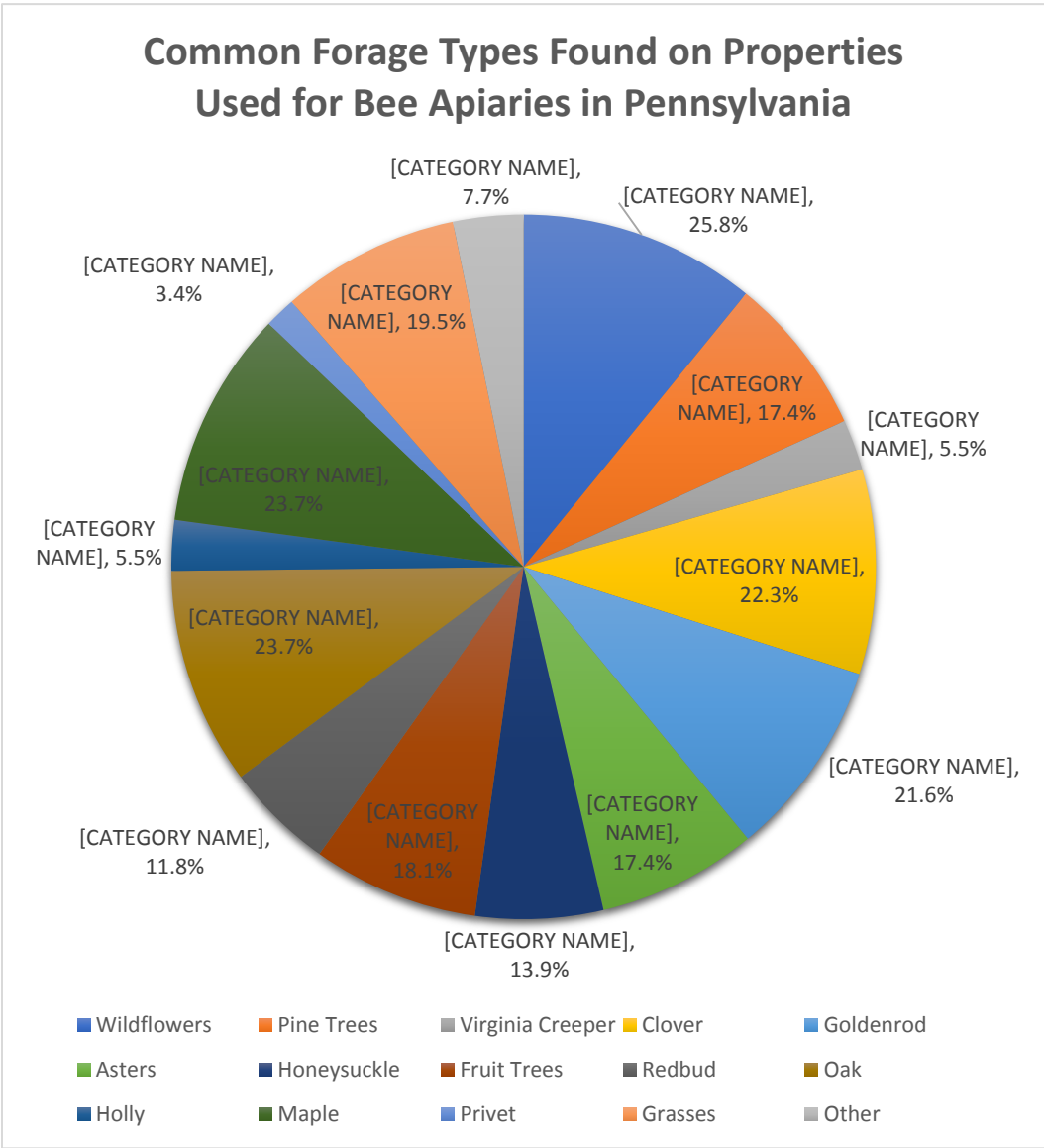
NAPPC National Beekeeper Forage Survey

Pennsylvania (continued)



NAPPC National Beekeeper Forage Survey

Pennsylvania (continued)



NAPPC National Beekeeper Forage Survey

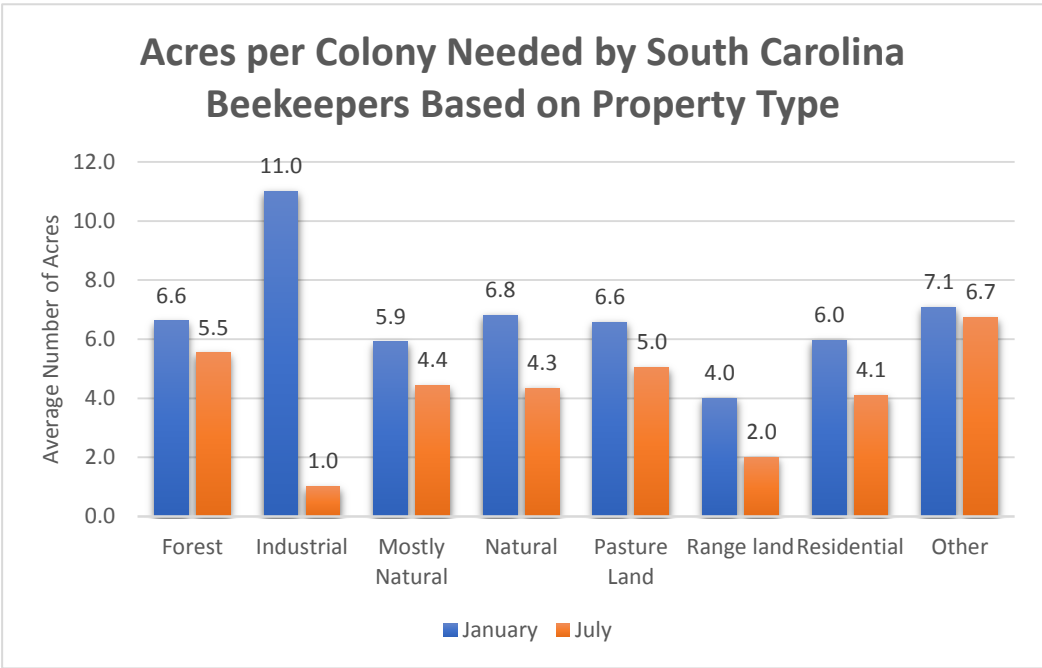
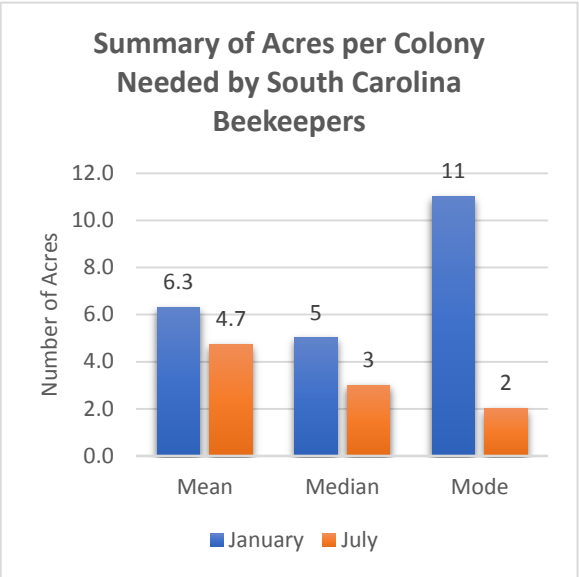
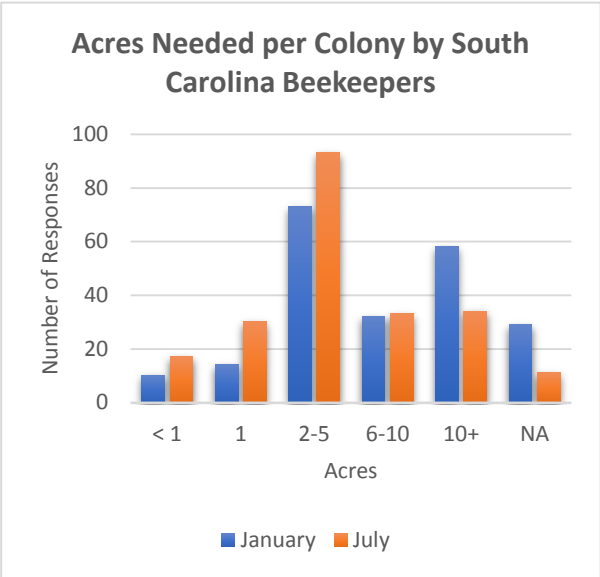
Rhode Island

Not enough data was available for Rhode Island.

NAPPC National Beekeeper Forage Survey

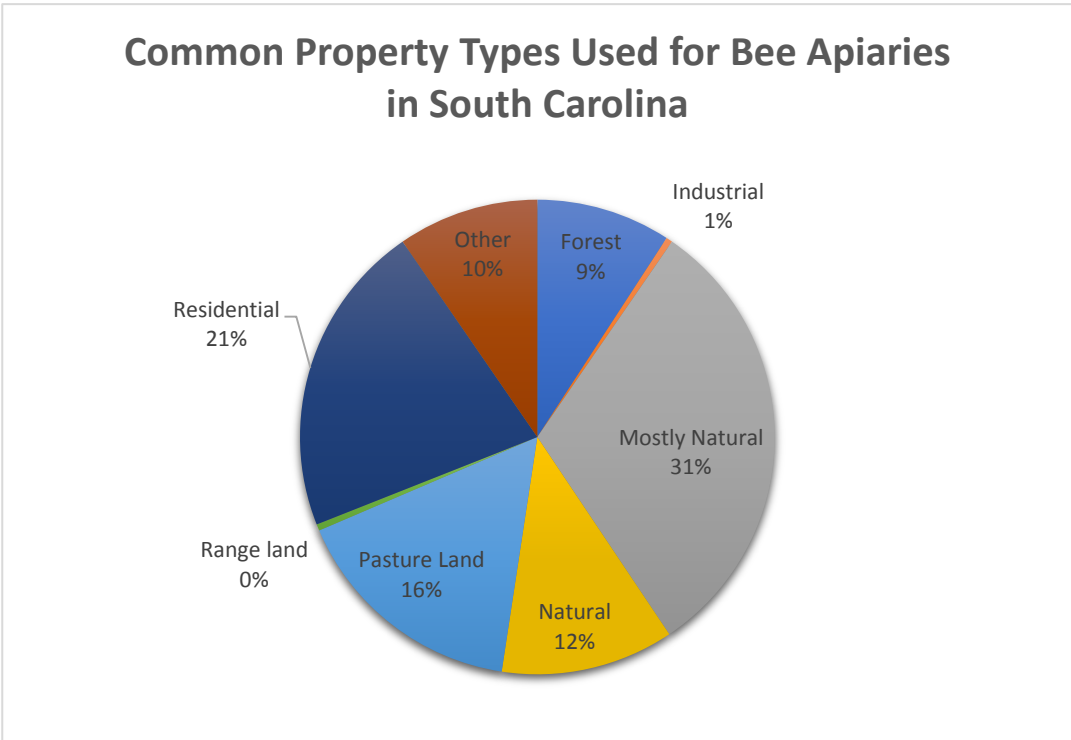
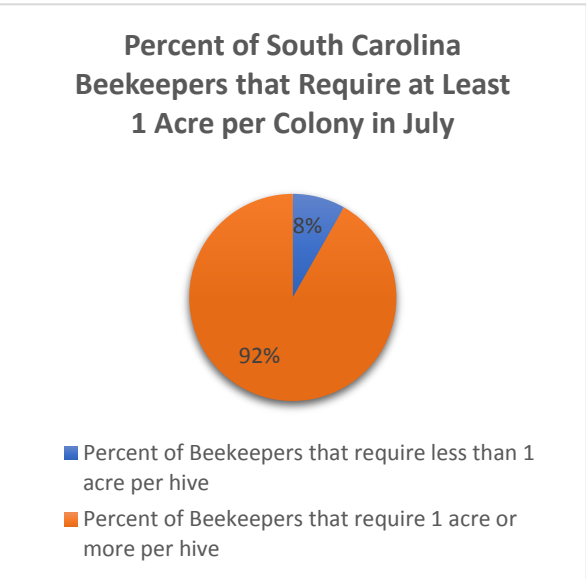
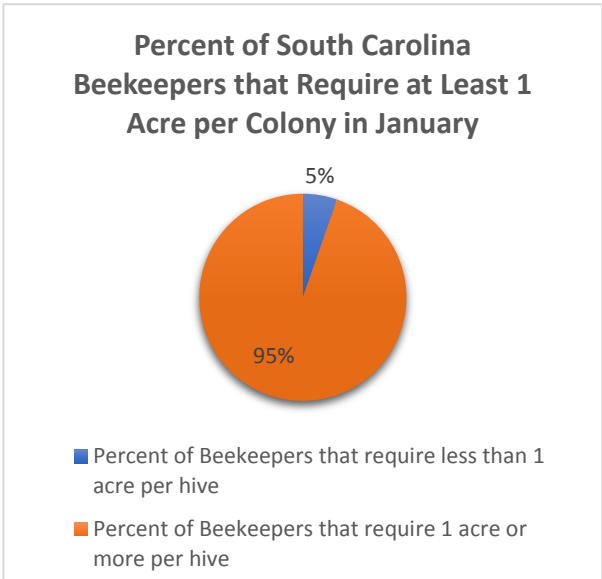
South Carolina

In South Carolina, a total of 229 beekeepers responded to the survey.



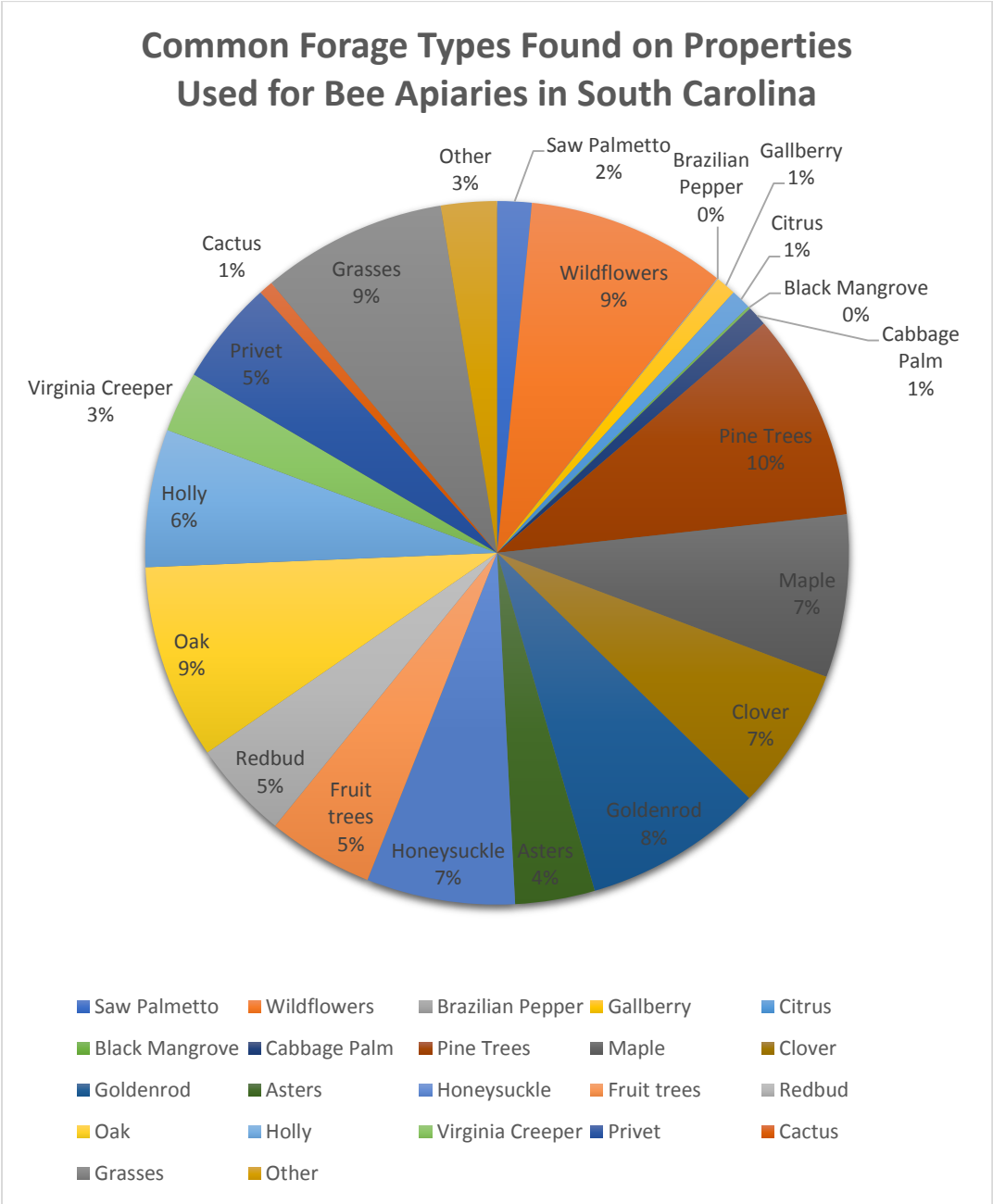
NAPPC National Beekeeper Forage Survey

South Carolina (continued)



NAPPC National Beekeeper Forage Survey

South Carolina (continued)



NAPPC National Beekeeper Forage Survey

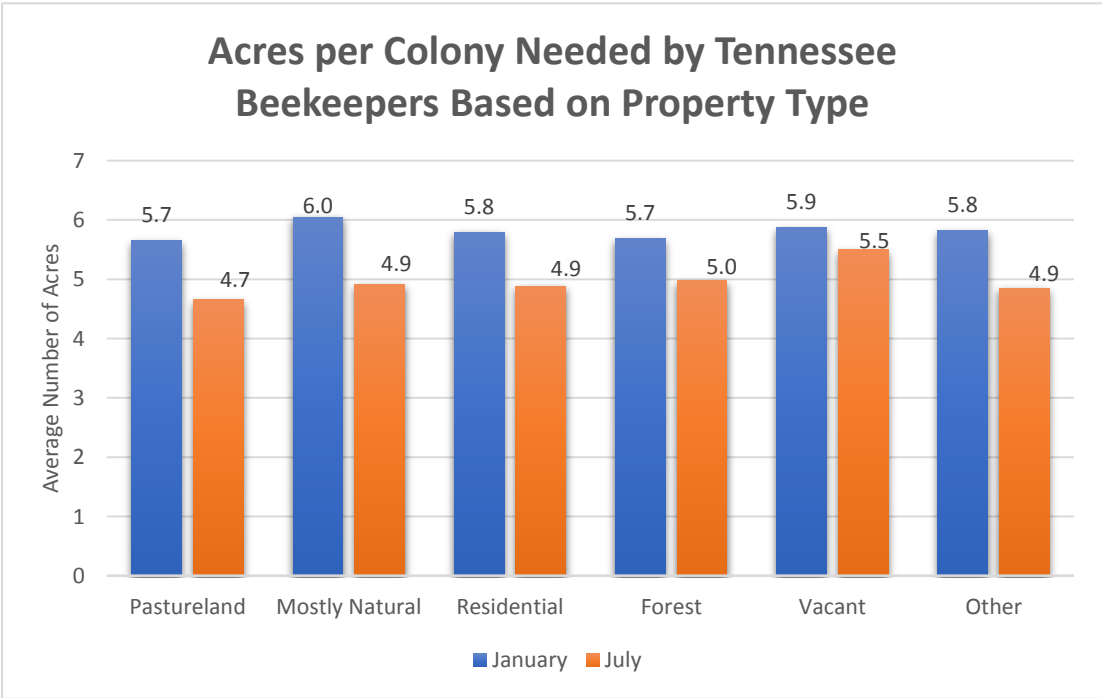
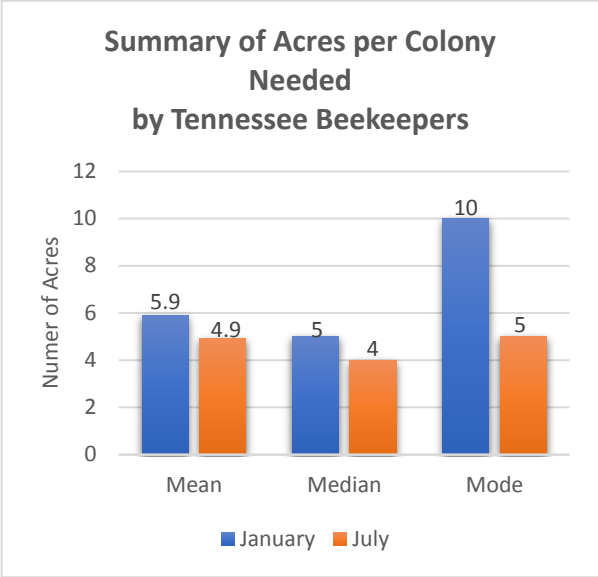
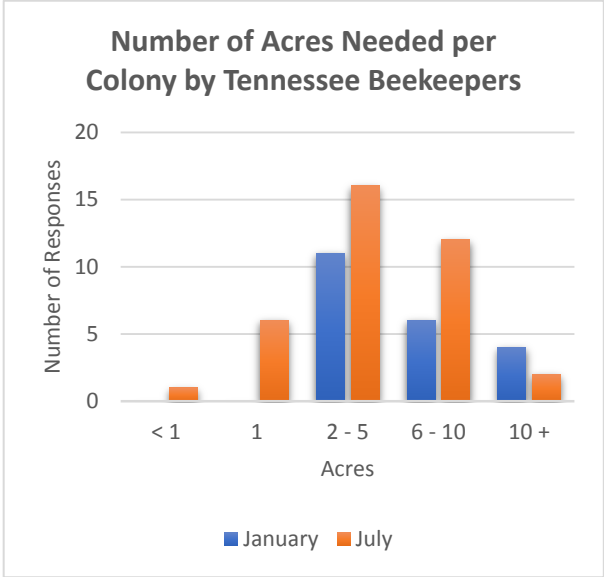
South Dakota

No Data was available for South Dakota.

NAPPC National Beekeeper Forage Survey

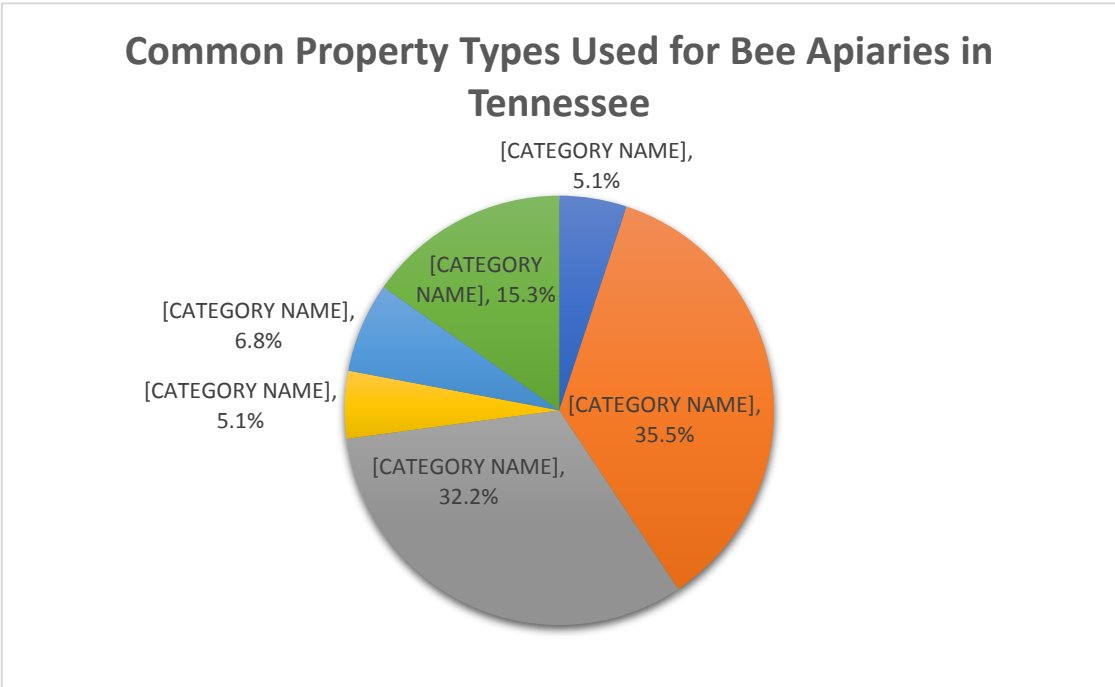
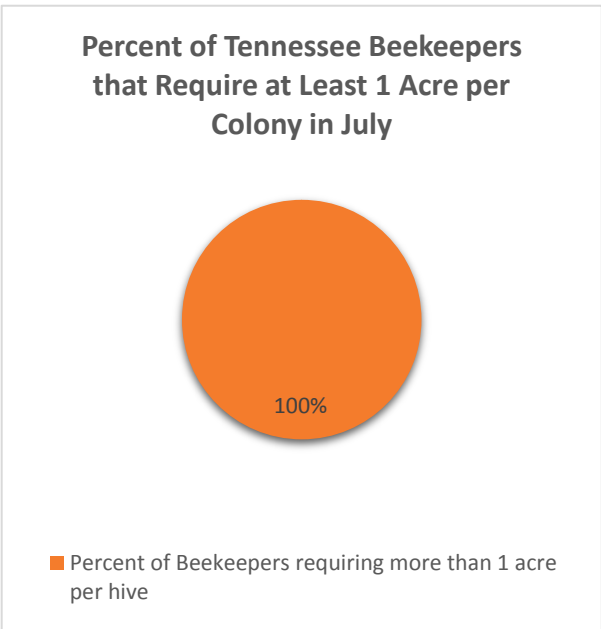
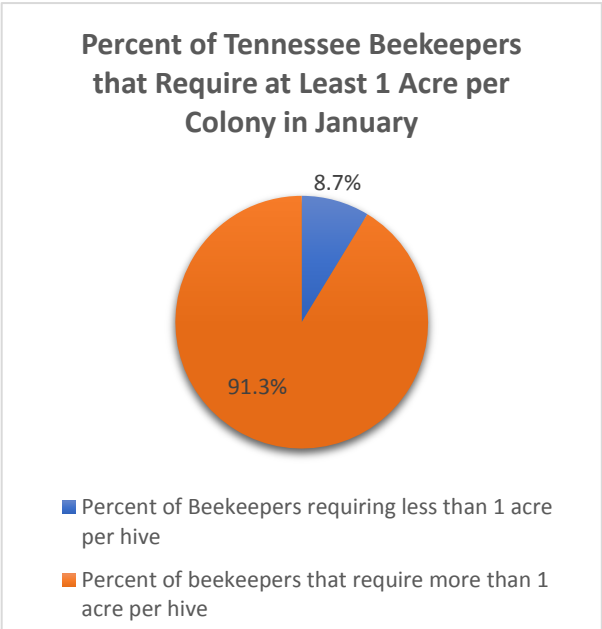
Tennessee

In Tennessee, a total of 59 beekeepers responded to the survey.



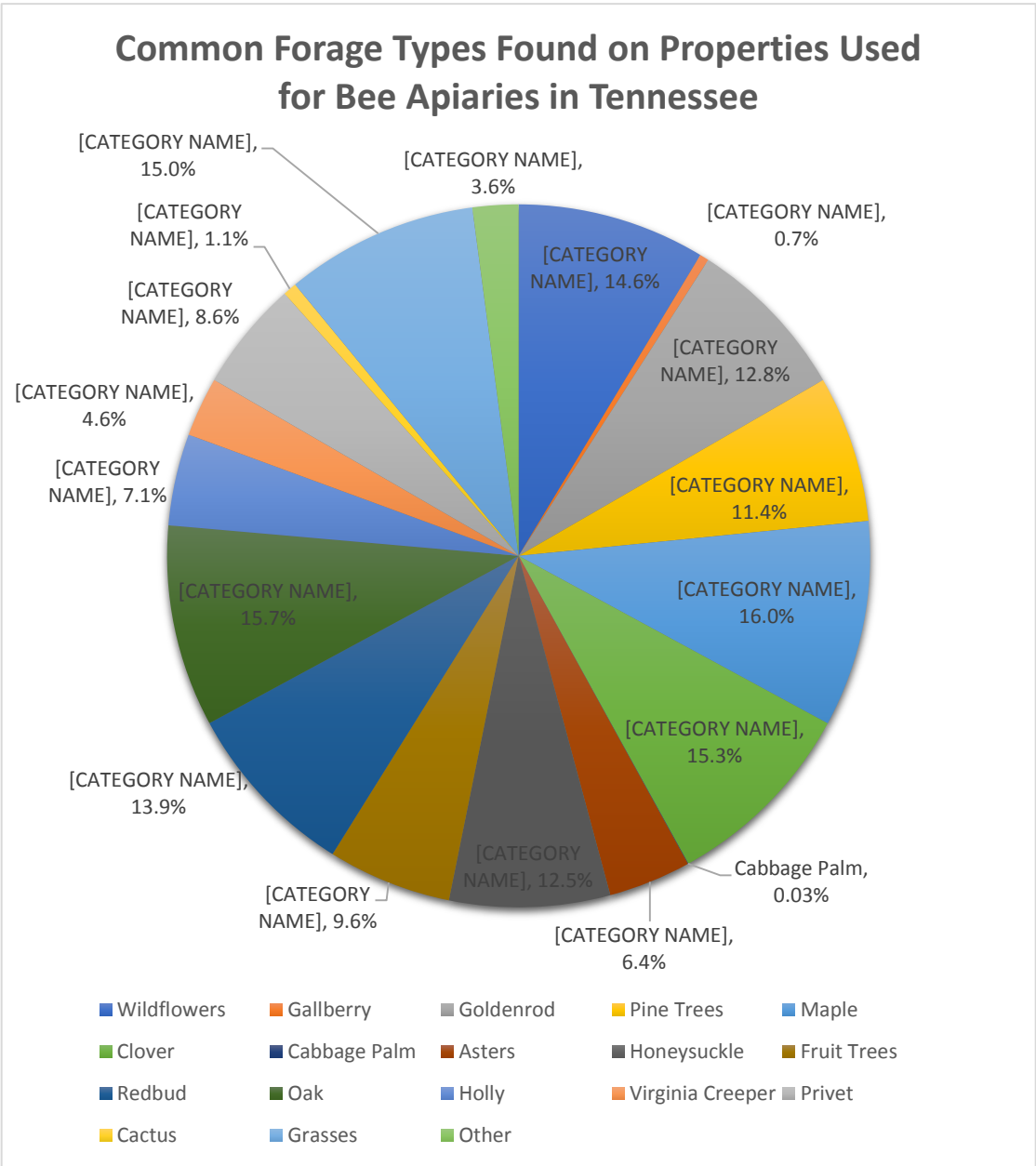
NAPPC National Beekeeper Forage Survey

Tennessee (continued)



NAPPC National Beekeeper Forage Survey

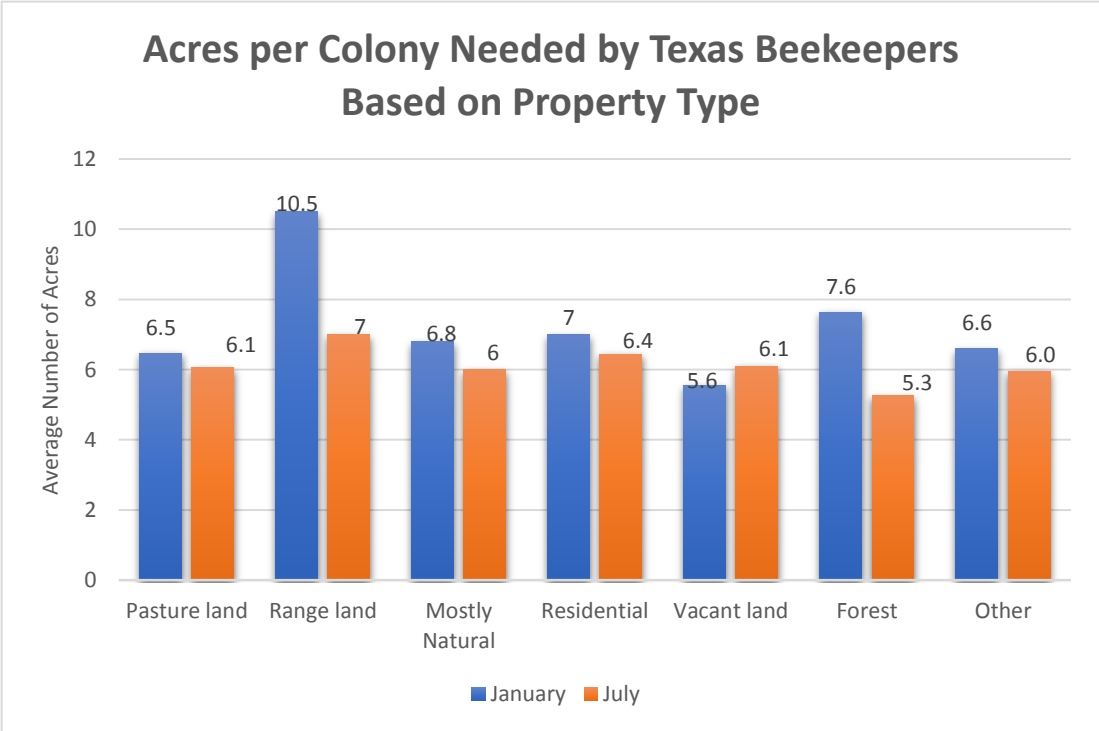
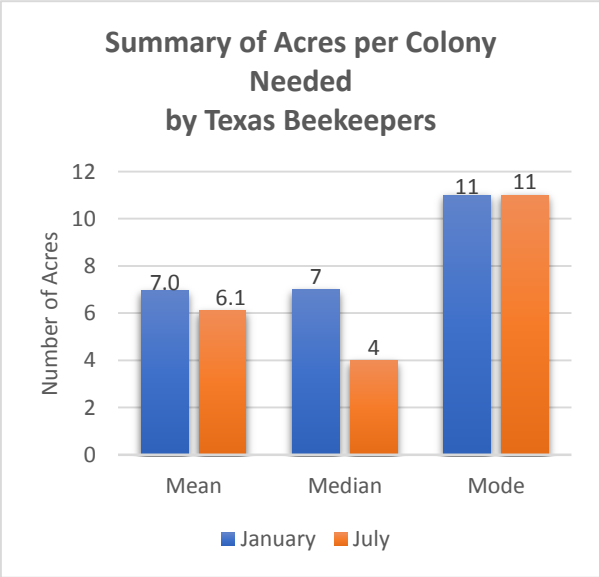
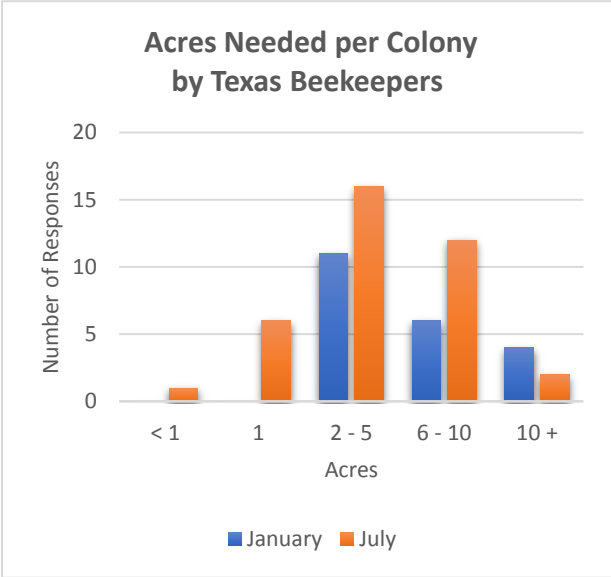
Tennessee (continued)



NAPPC National Beekeeper Forage Survey

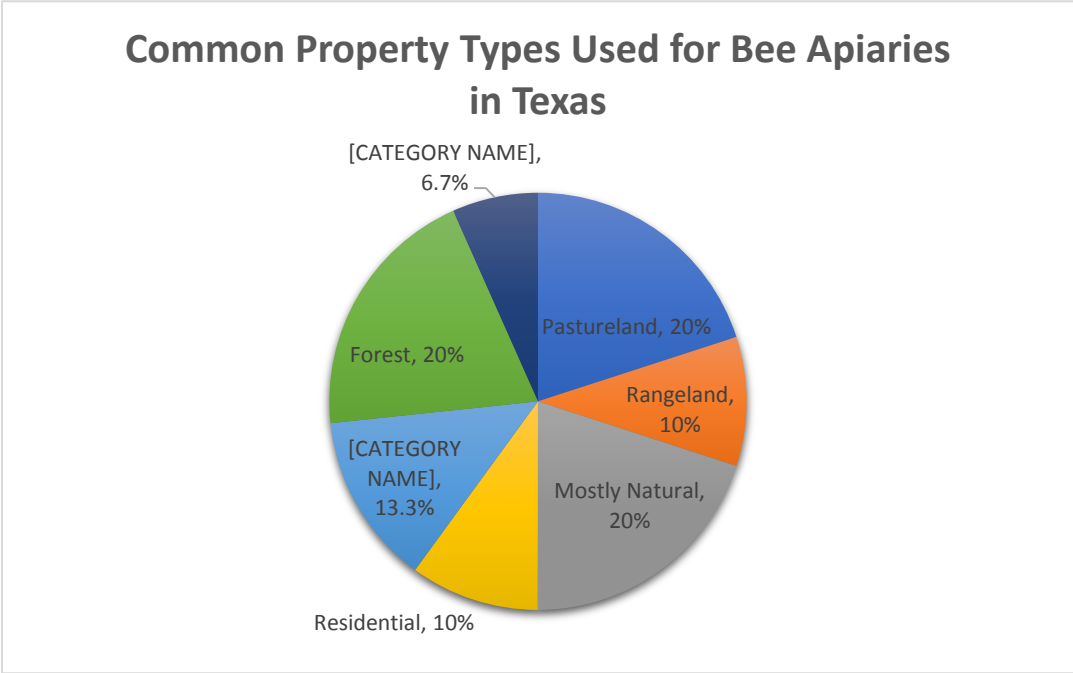
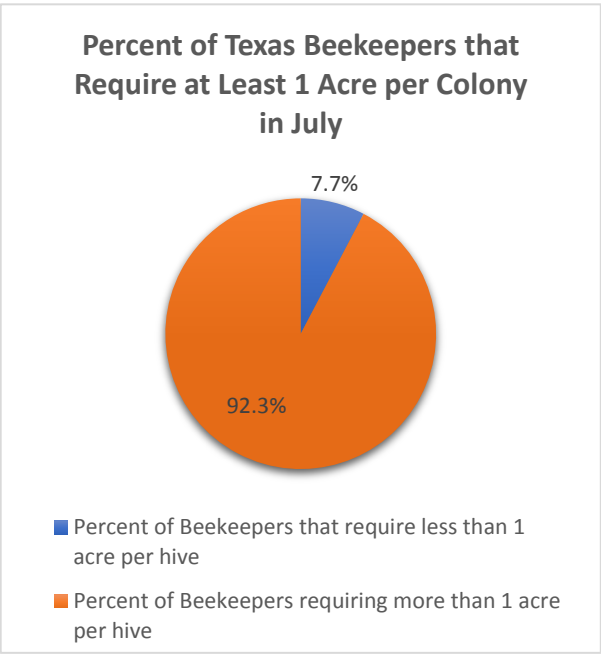
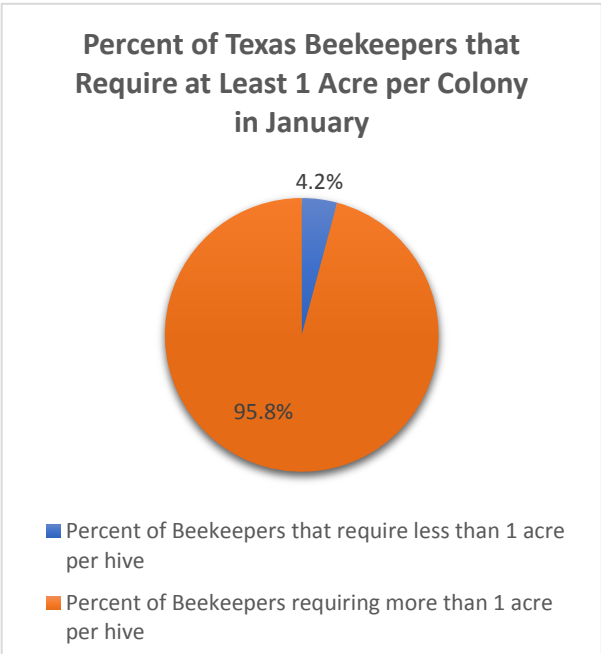
Texas

In Texas, a total of 30 beekeepers responded to the survey.



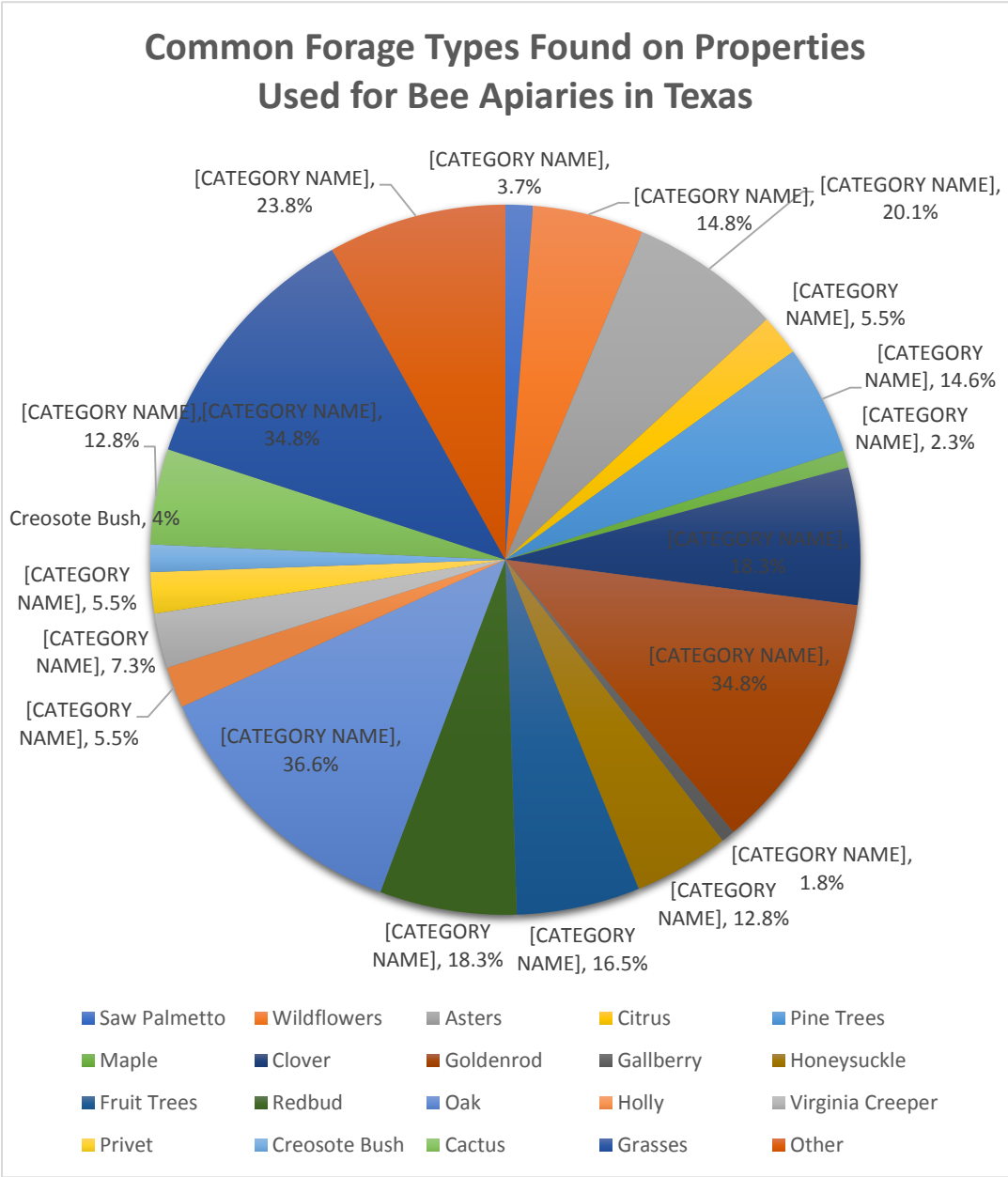
NAPPC National Beekeeper Forage Survey

Texas (continued)



NAPPC National Beekeeper Forage Survey

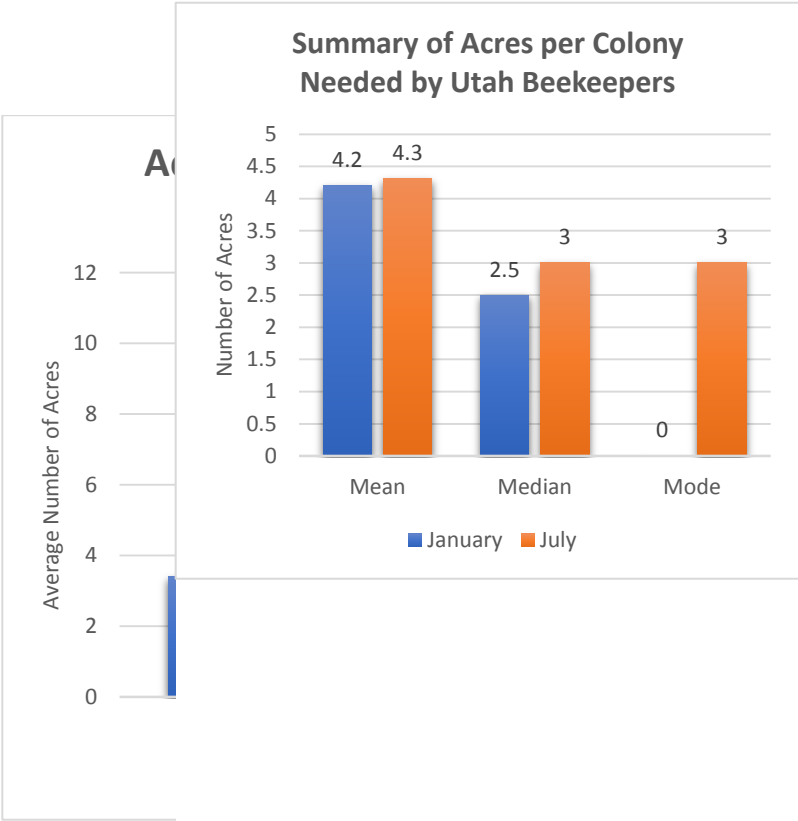
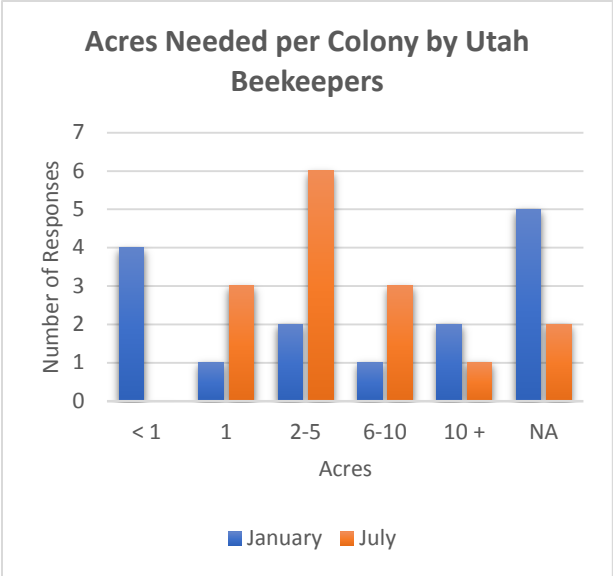
Texas (continued)



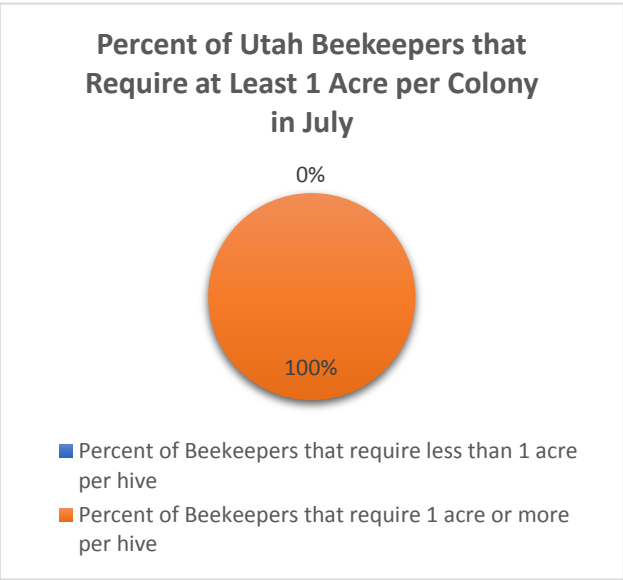
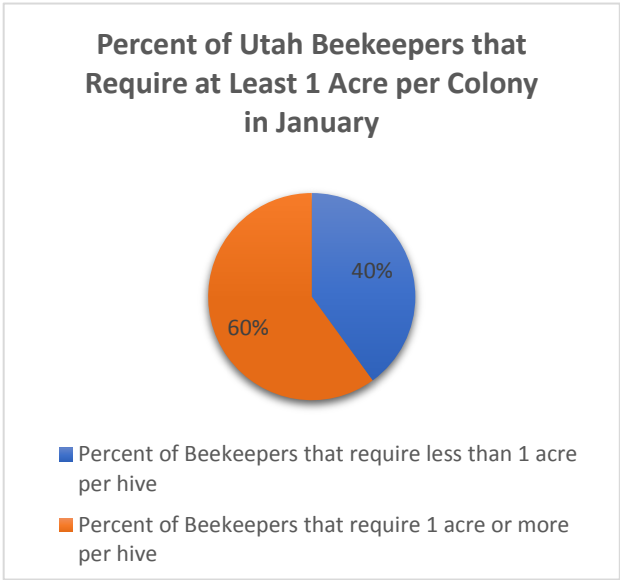
NAPPC National Beekeeper Forage Survey

Utah

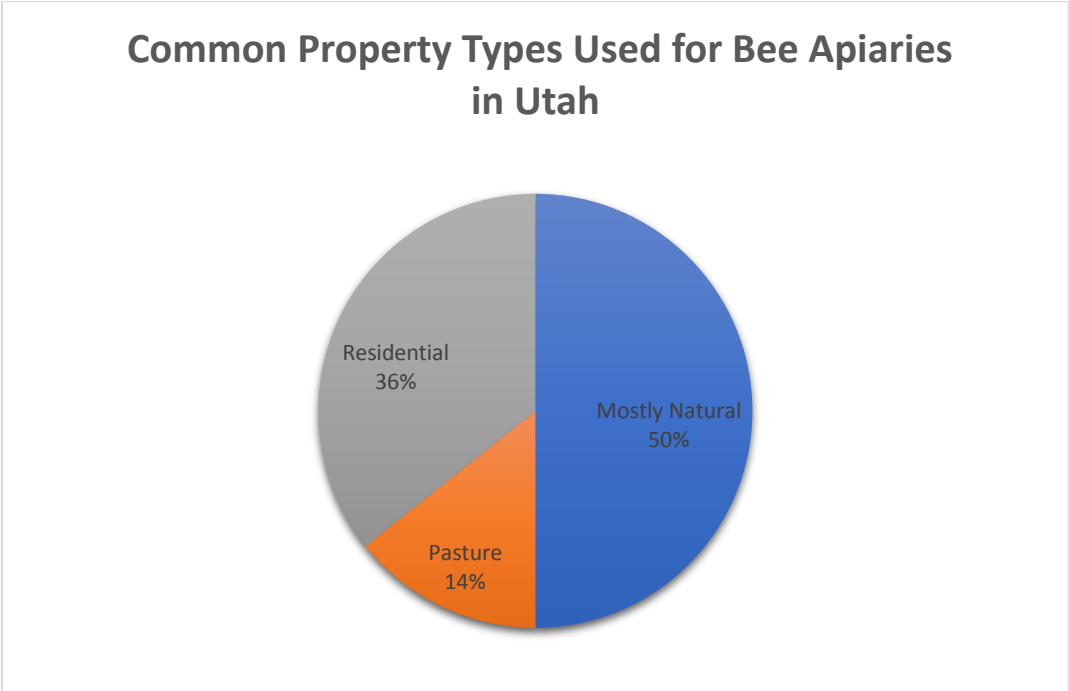
In Utah, a total of 15 beekeepers responded to the survey.



Utah (continued)

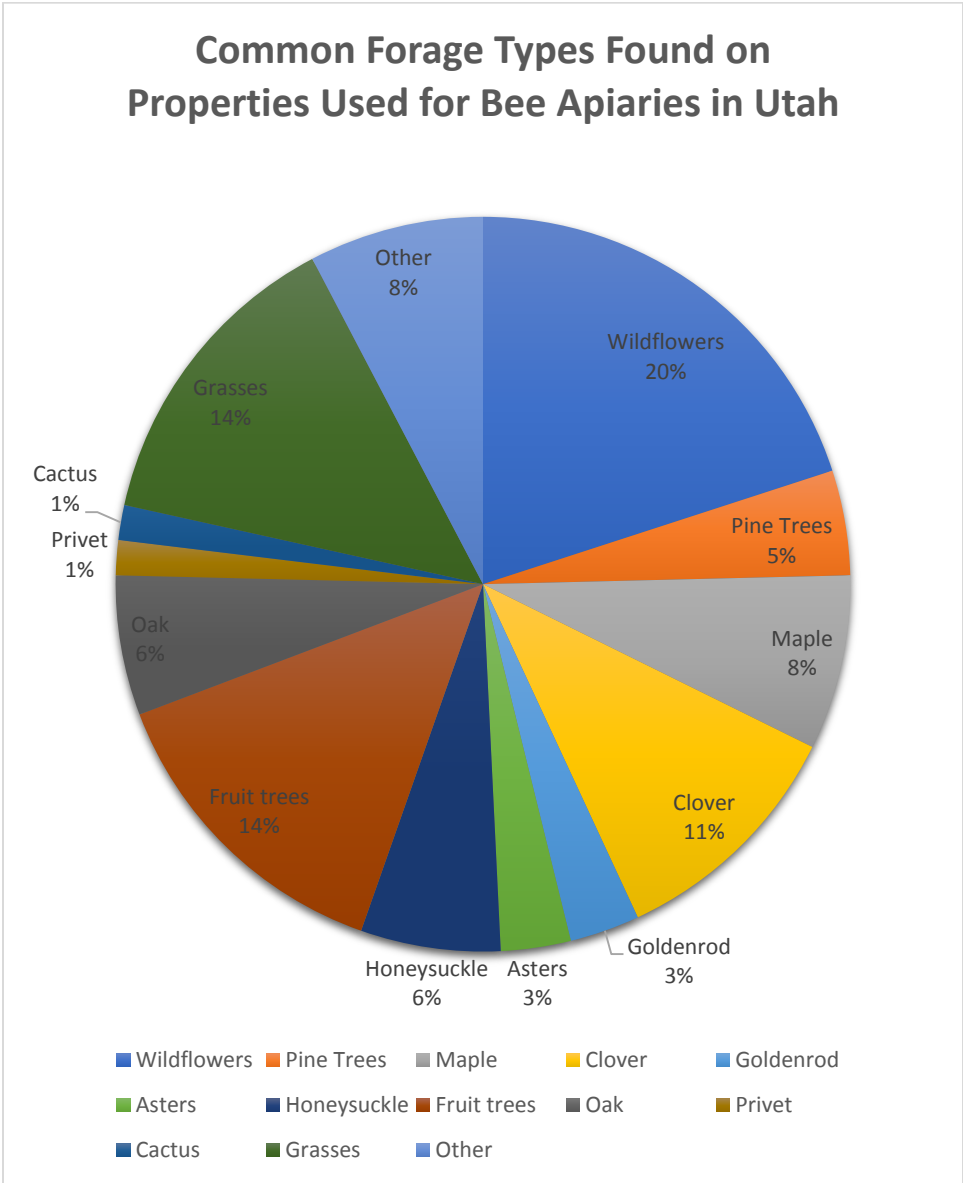


NAPPC National Beekeeper Forage Survey



Utah (continued)

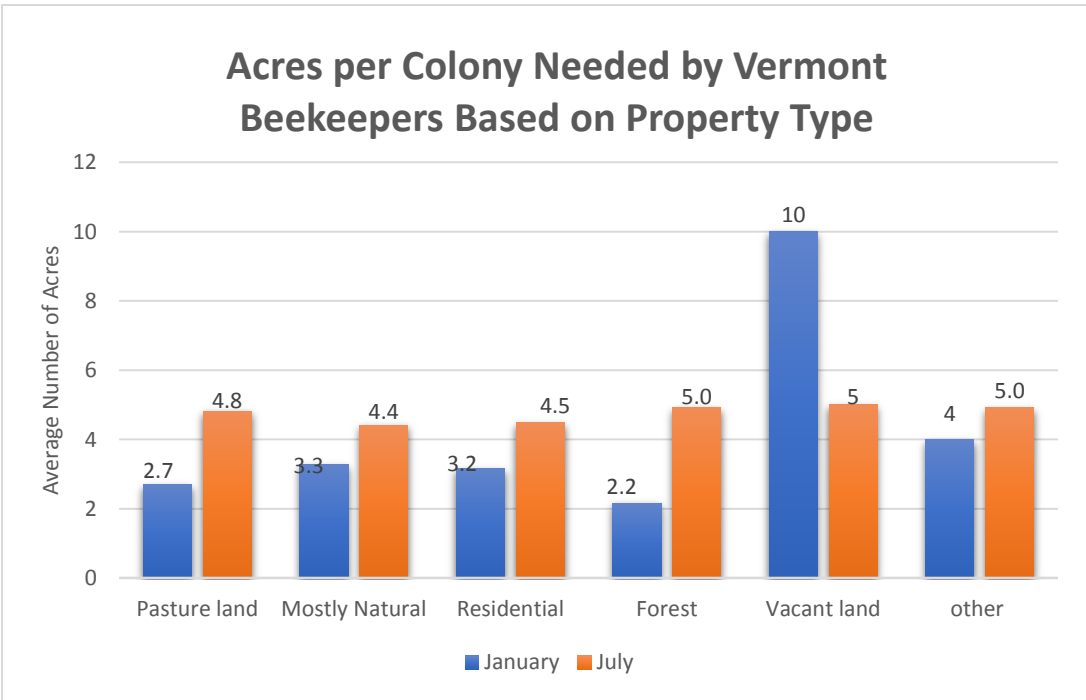
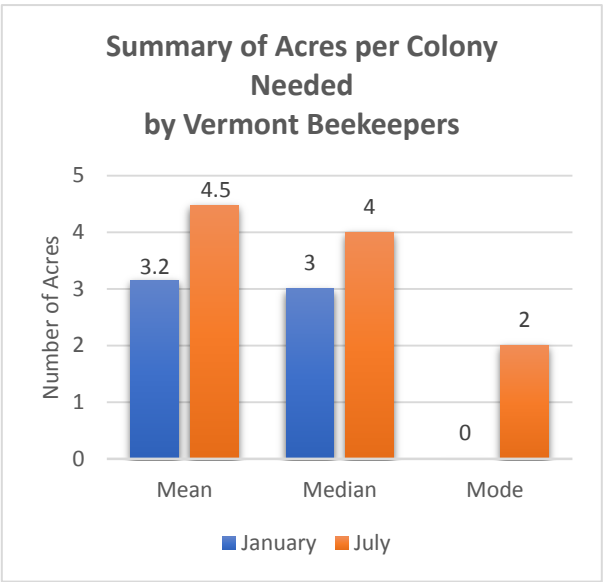
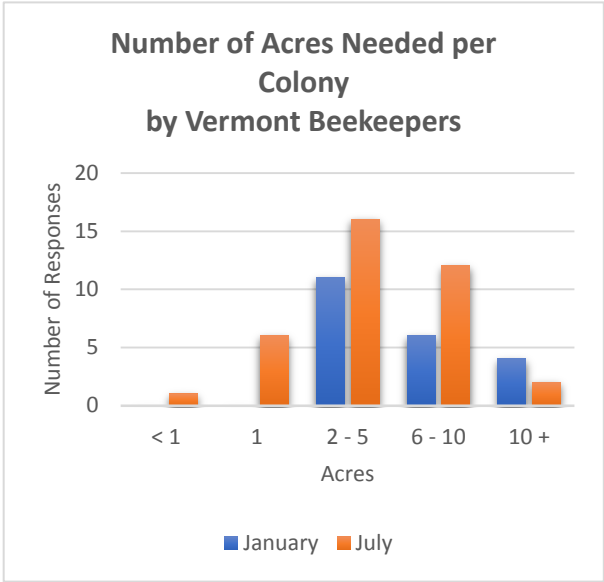
NAPPC National Beekeeper Forage Survey



Vermont

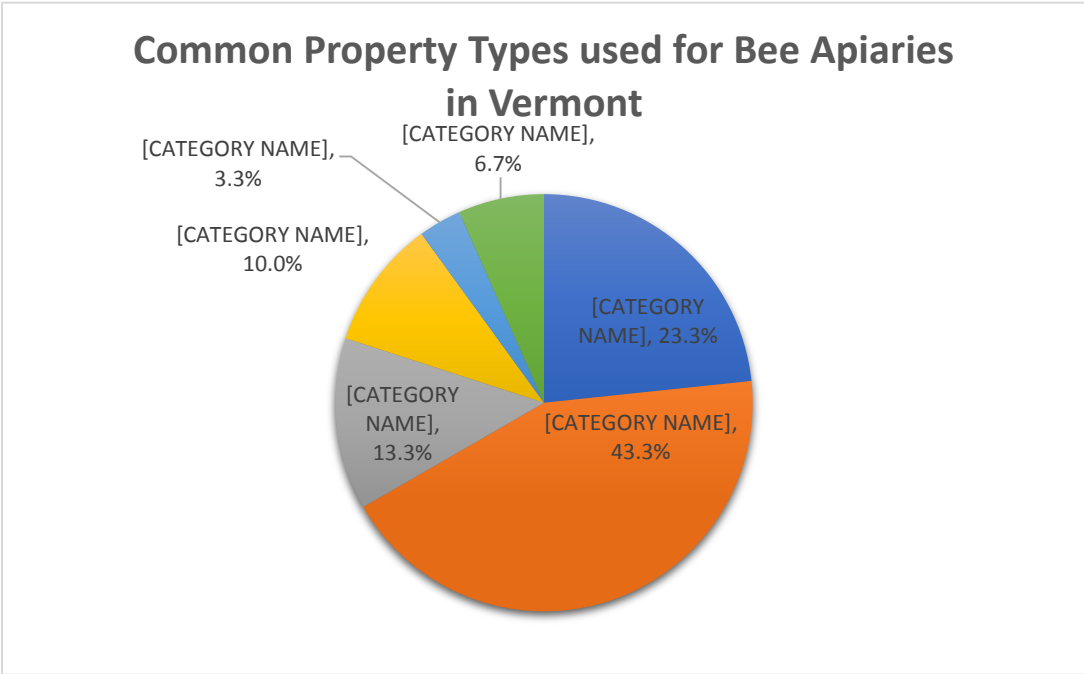
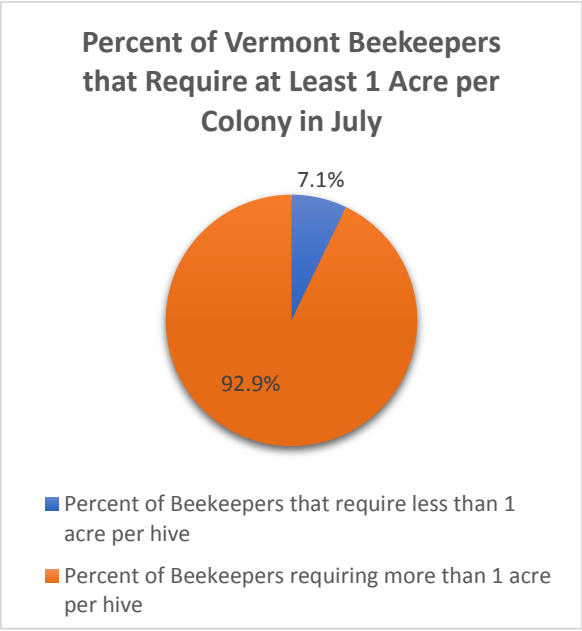
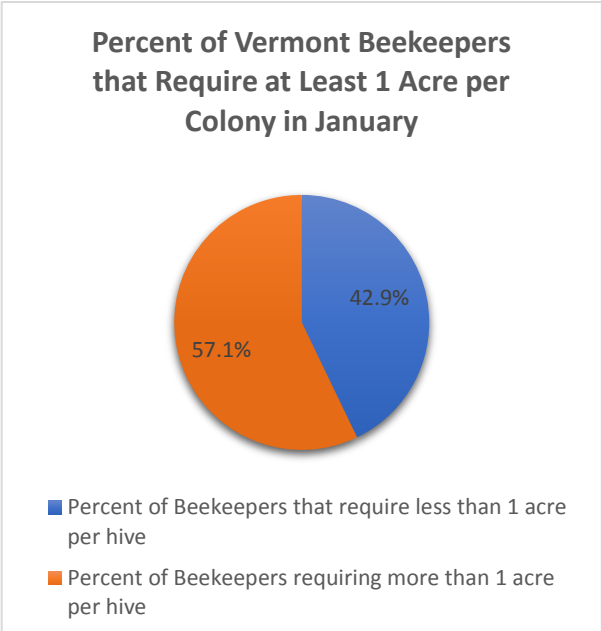
NAPPC National Beekeeper Forage Survey

In Vermont, a total of 30 beekeepers responded to the survey.



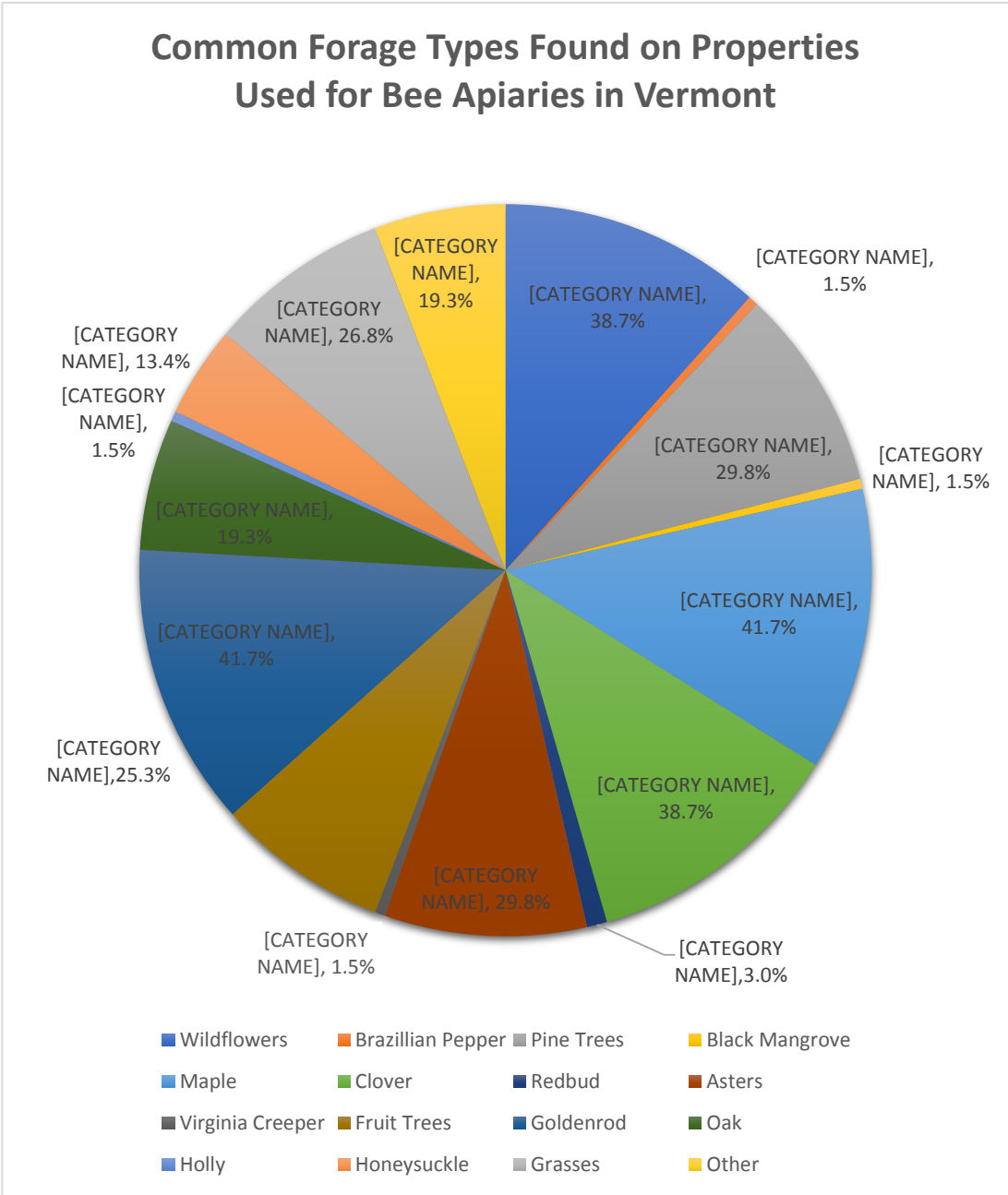
Vermont (continued)

NAPPC National Beekeeper Forage Survey



Vermont (continued)

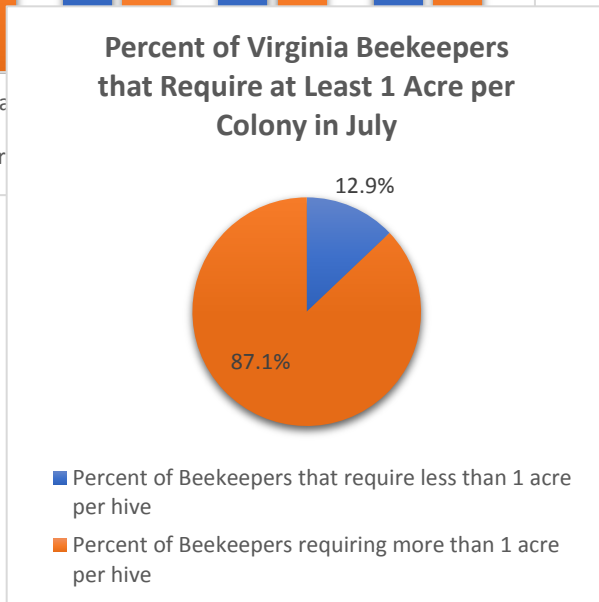
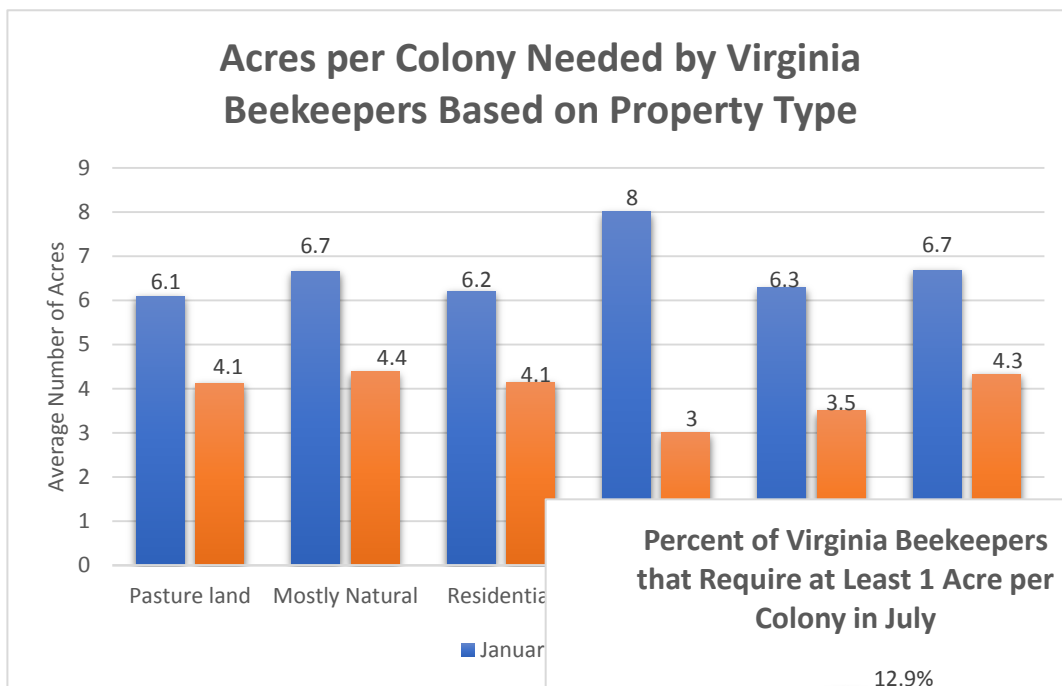
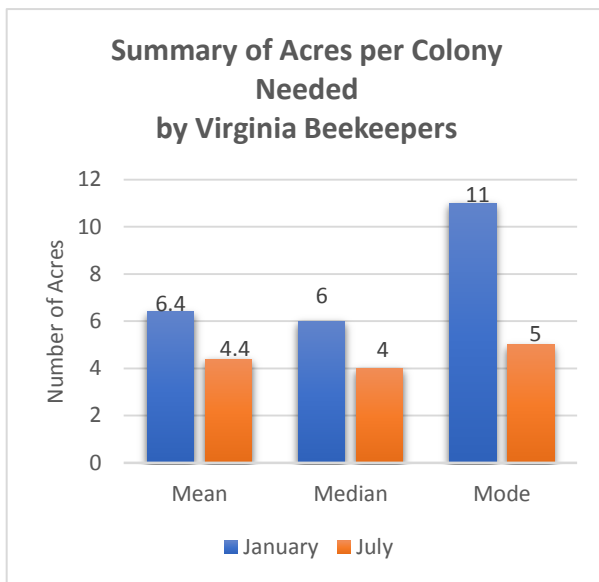
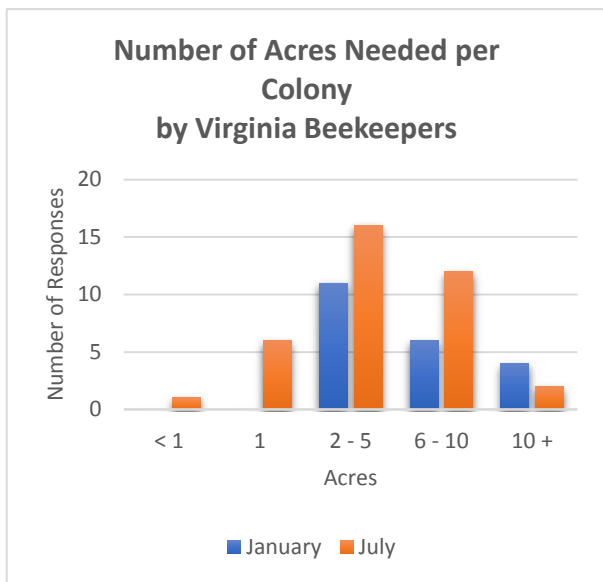
NAPPC National Beekeeper Forage Survey



Virginia

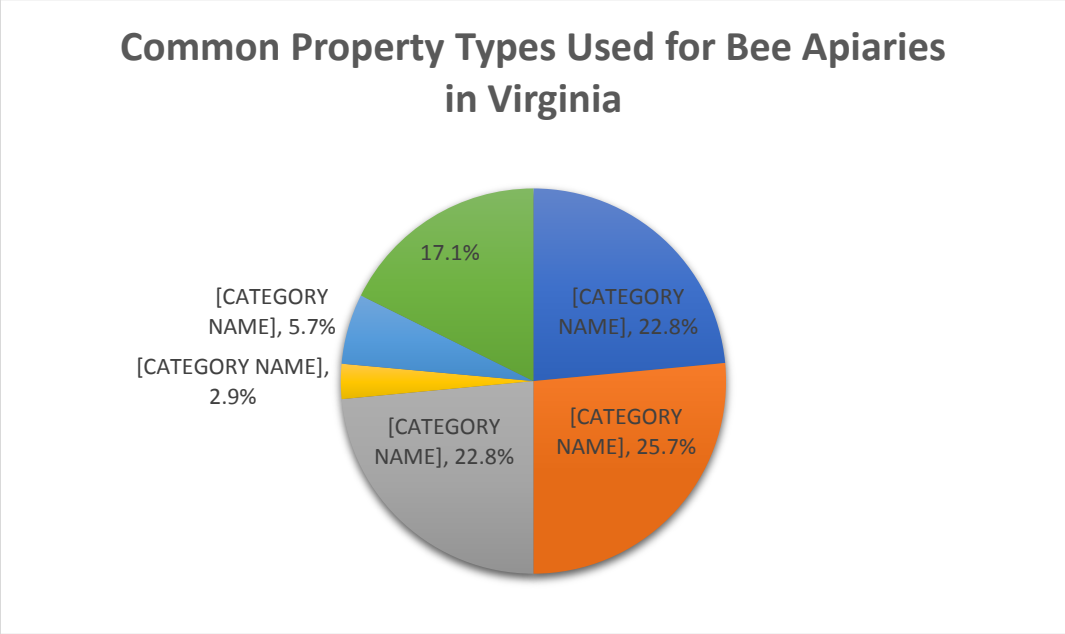
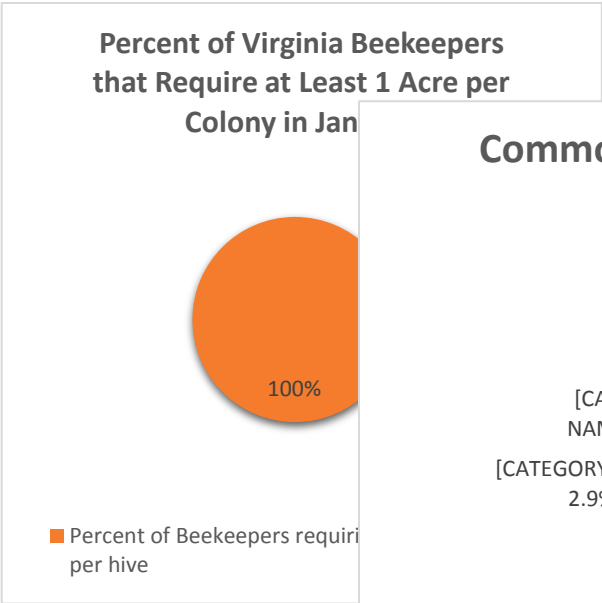
NAPPC National Beekeeper Forage Survey

In Virginia, a total of 30 beekeepers responded to the survey.



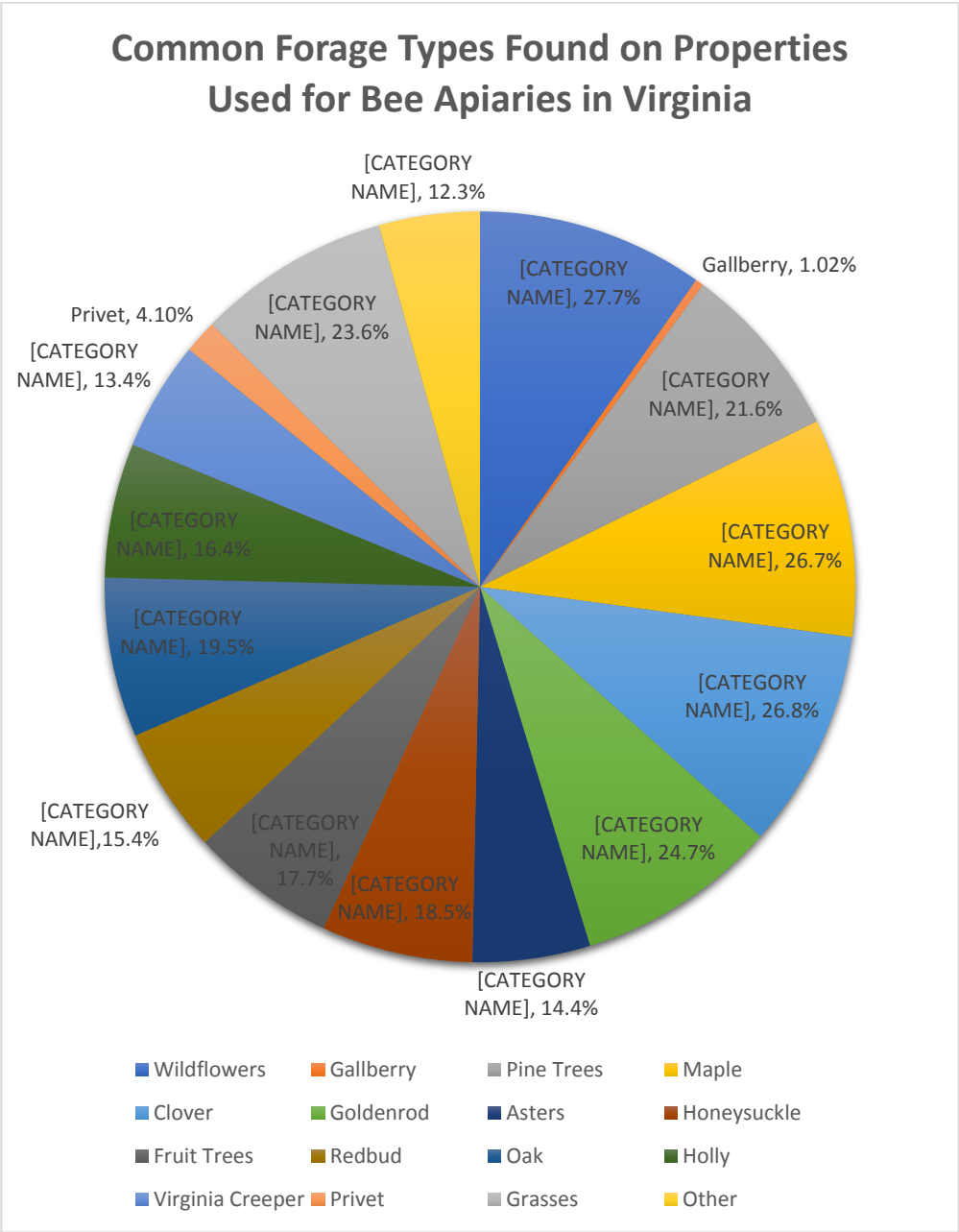
Virginia (continued)

NAPPC National Beekeeper Forage Survey



Virginia (continued)

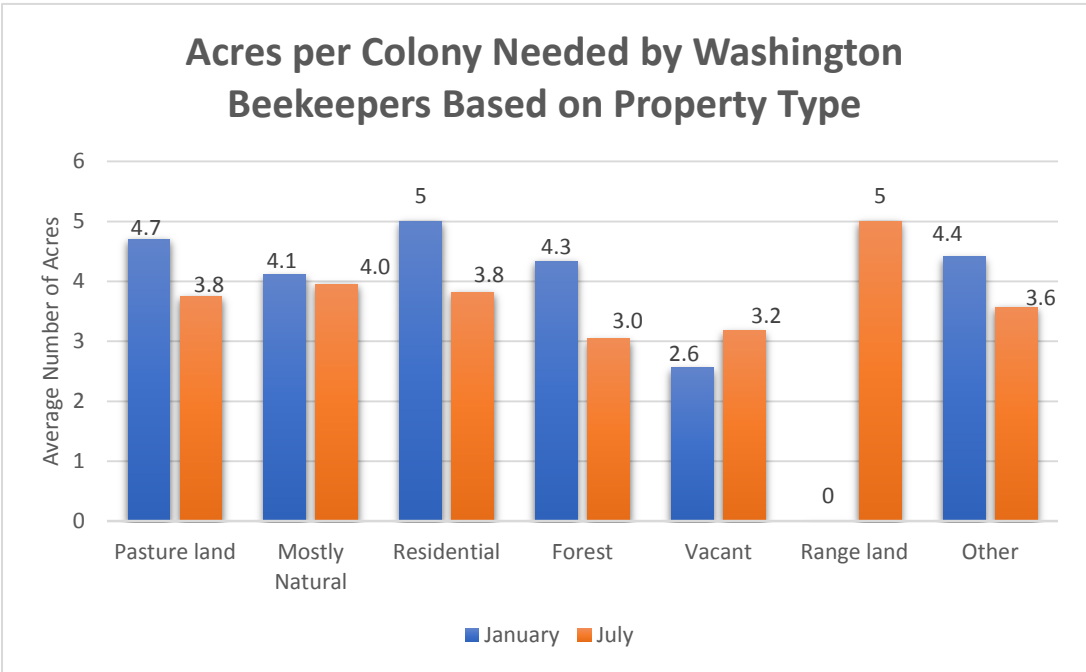
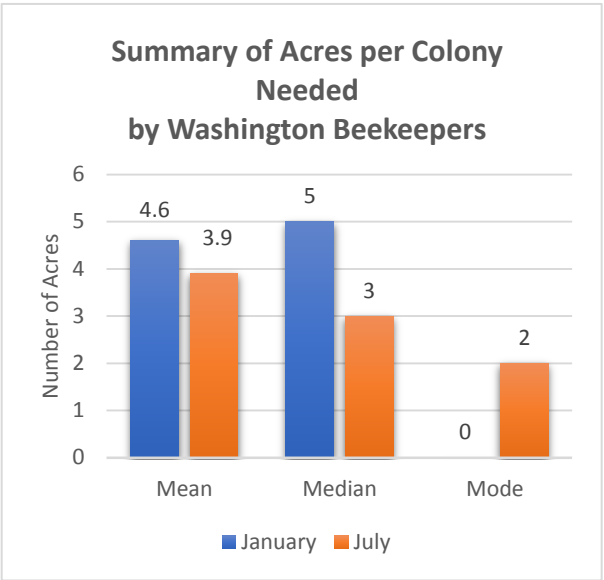
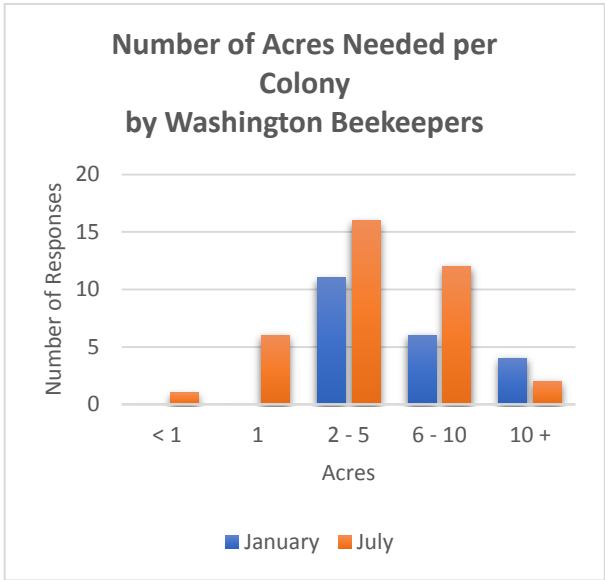
NAPPC National Beekeeper Forage Survey



Washington

In Washington, a total of 46 beekeepers responded to the survey.

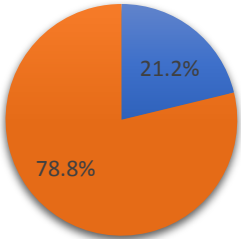
NAPPC National Beekeeper Forage Survey



Washington (continued)

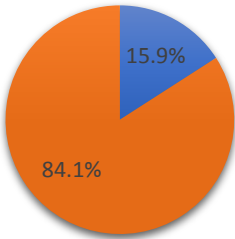
NAPPC National Beekeeper Forage Survey

Percent of Washington Beekeepers that Require at Least 1 Acre per Colony in January



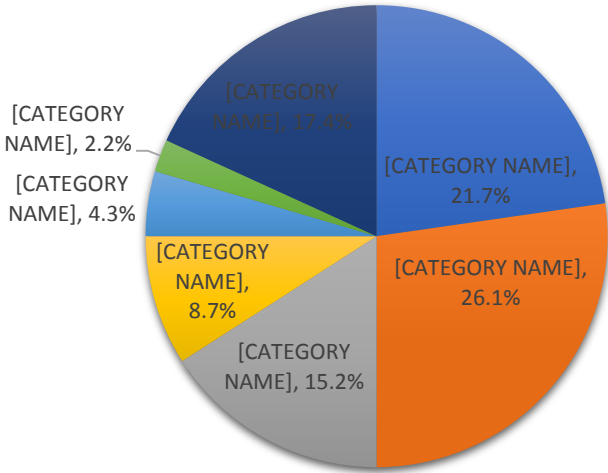
- Percent of Beekeepers that require less than 1 acre per hive
- Percent of Beekeepers requiring more than 1 acre per hive

Percent of Washington Beekeepers that Require at Least 1 Acre per Colony in July



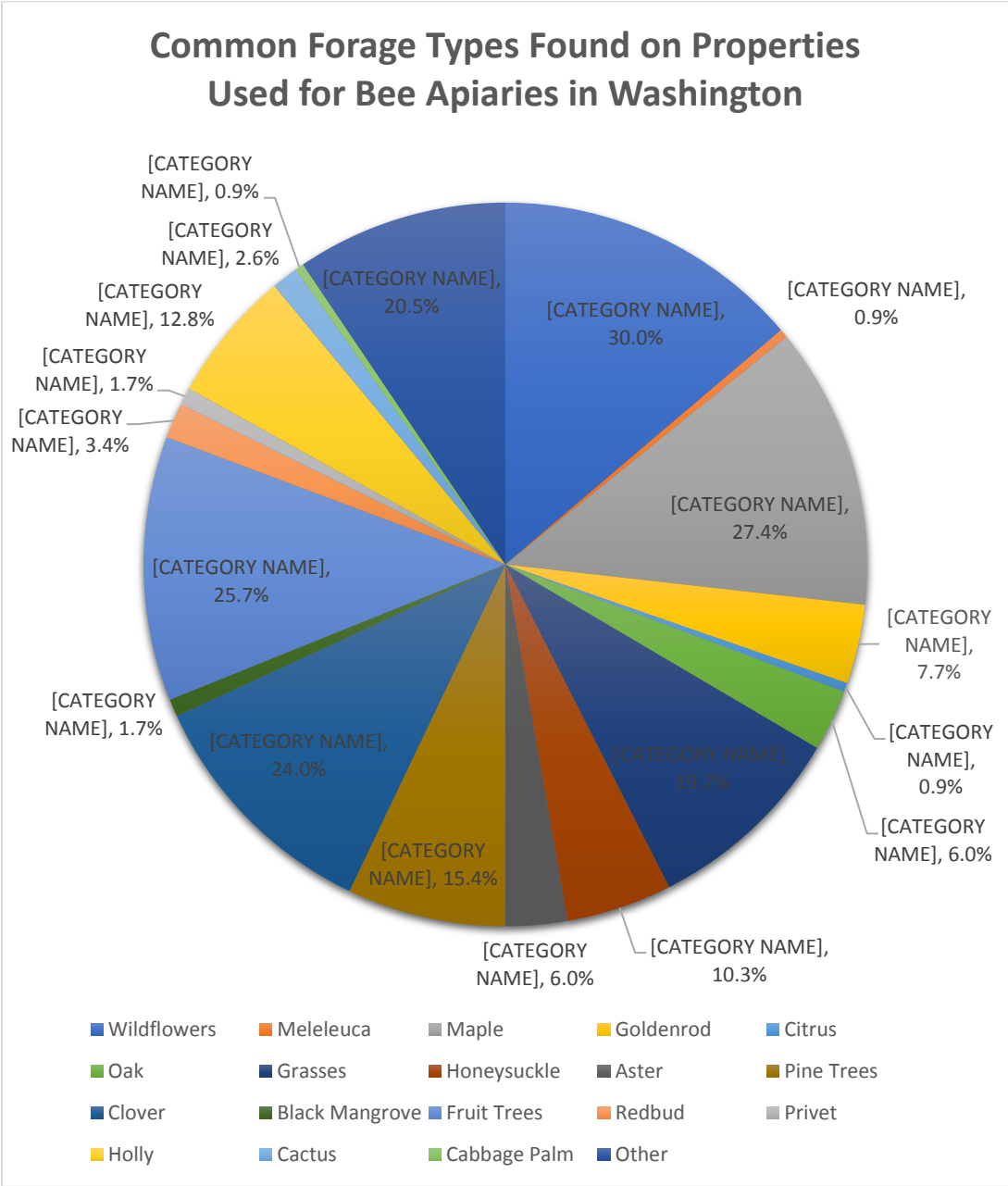
- Percent of Beekeepers that require less than 1 acre per hive
- Percent of Beekeepers requiring more than 1 acre per hive

Common Property Types Used for Bee Apiaries in Washington



Washington (continued)

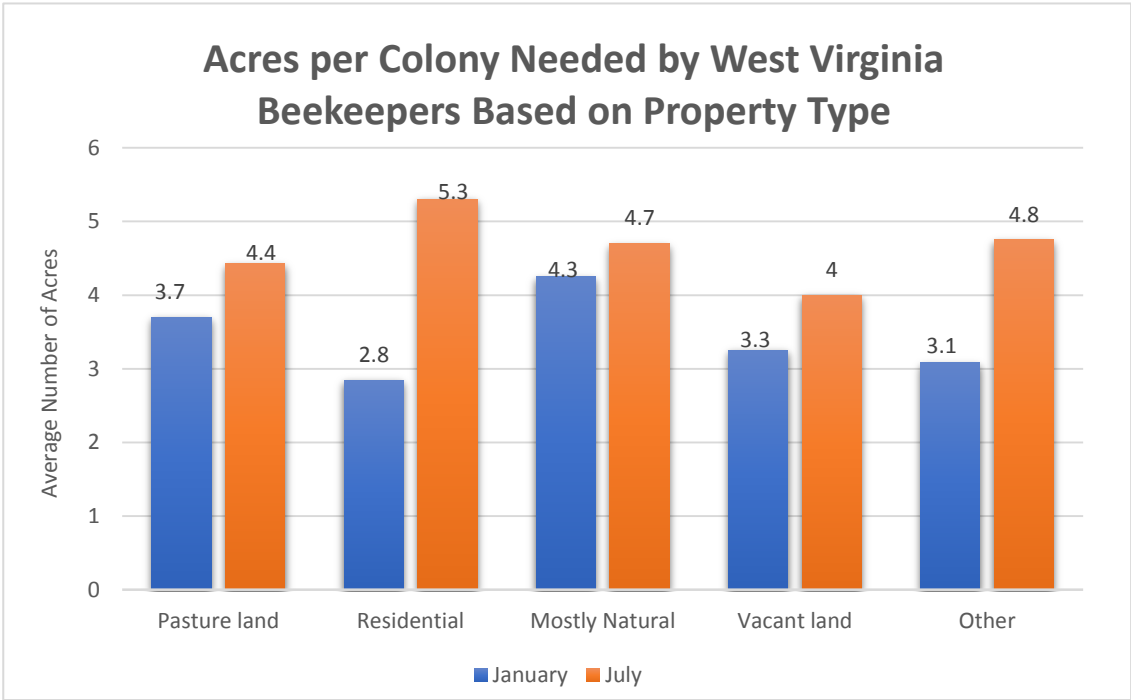
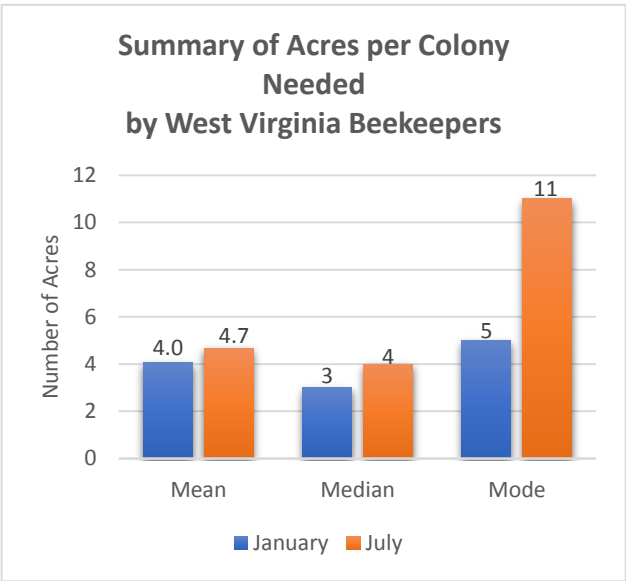
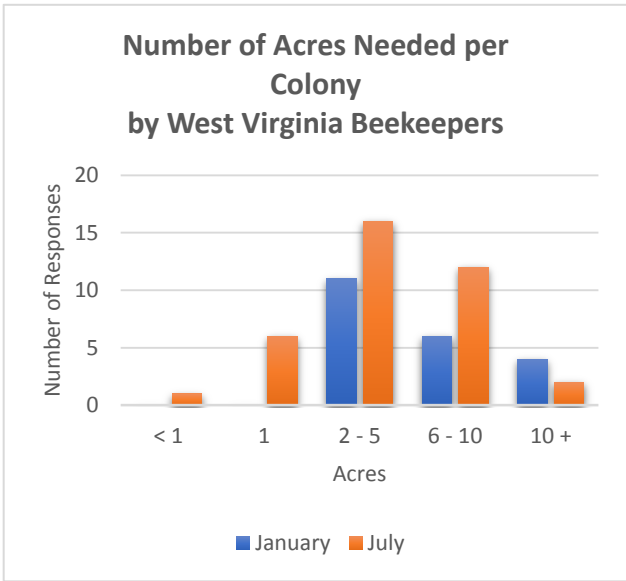
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West Virginia

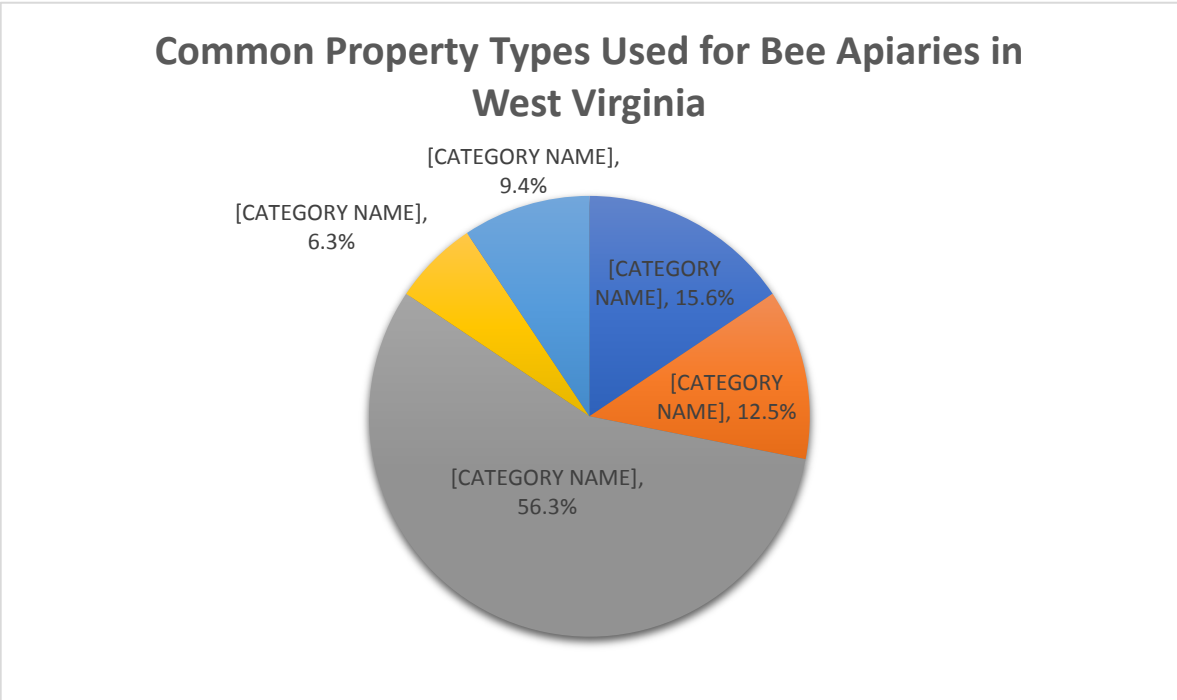
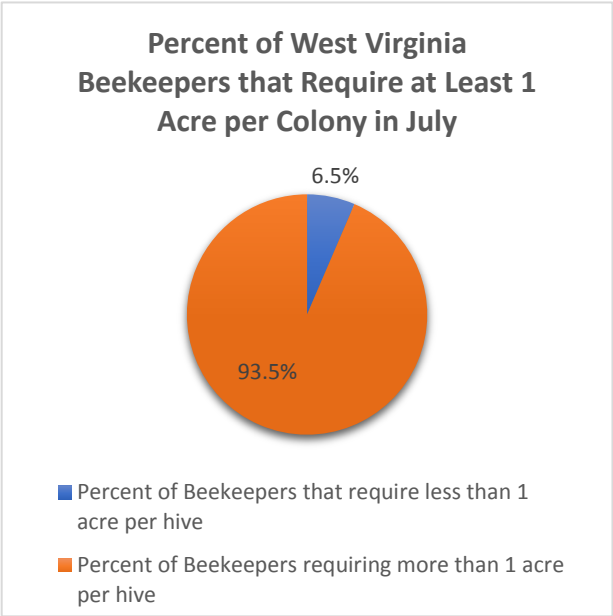
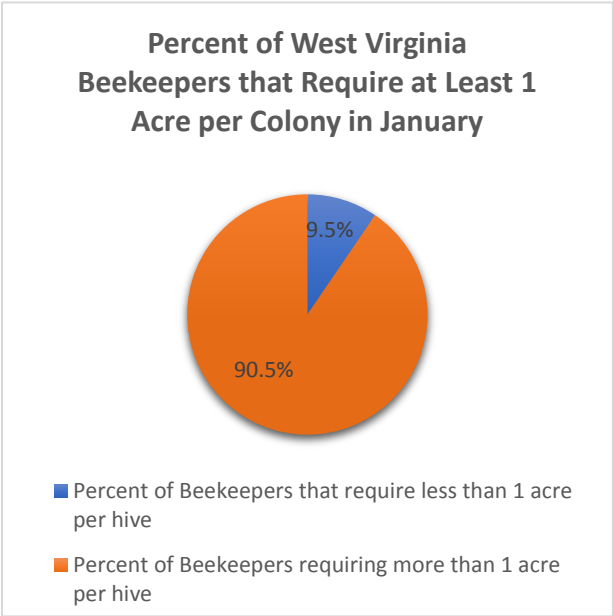
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In West Virginia, a total of 32 beekeepers responded to the survey.



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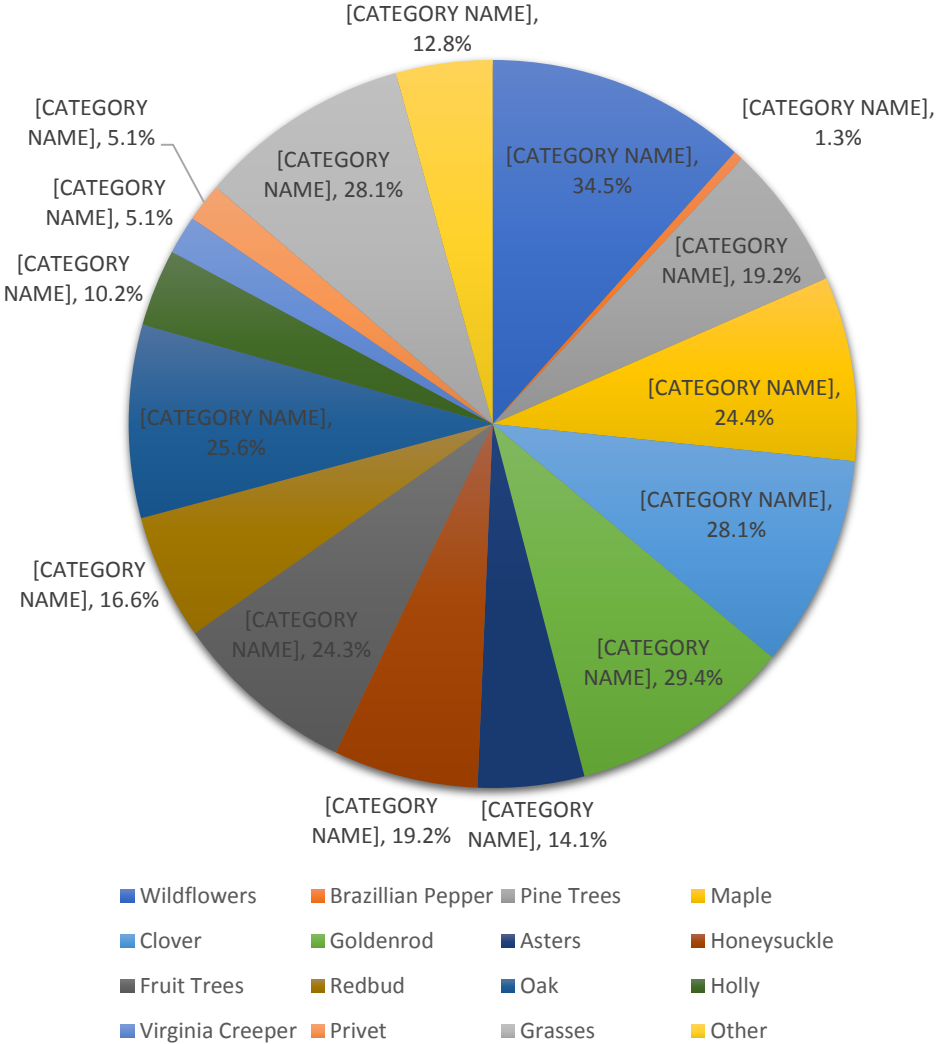
West Virginia (continued)



West Virginia (continued)

NAPPC National Beekeeper Forage Survey

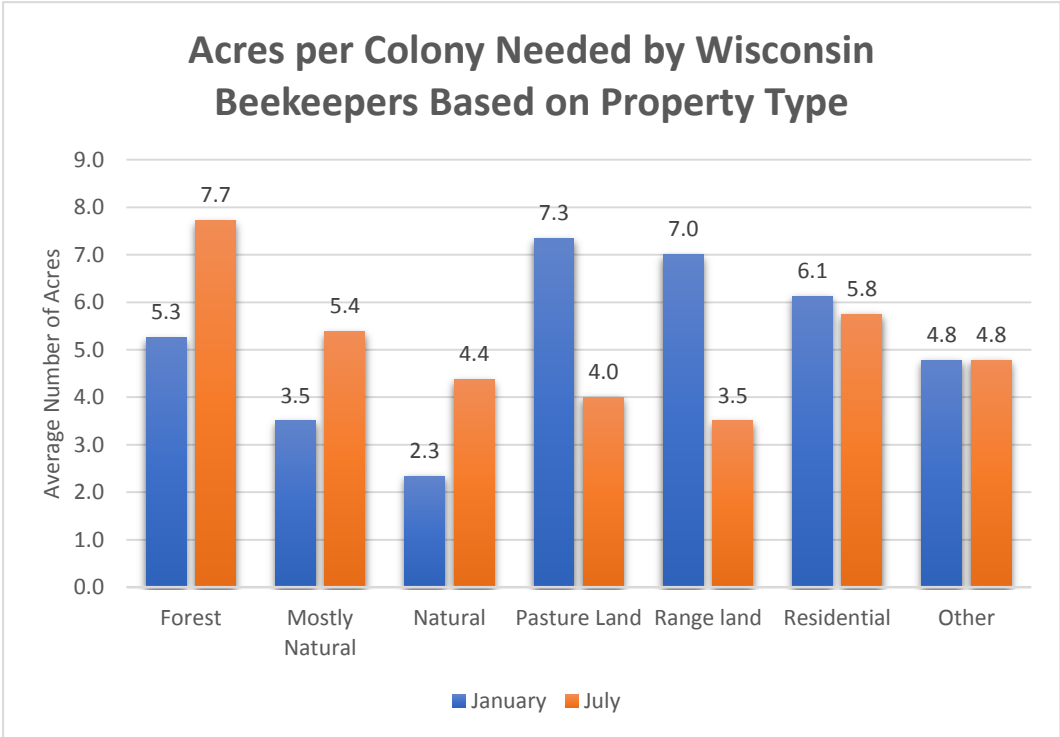
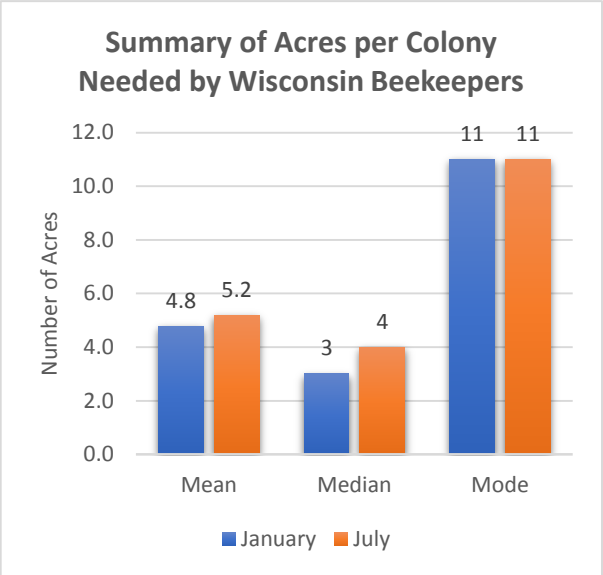
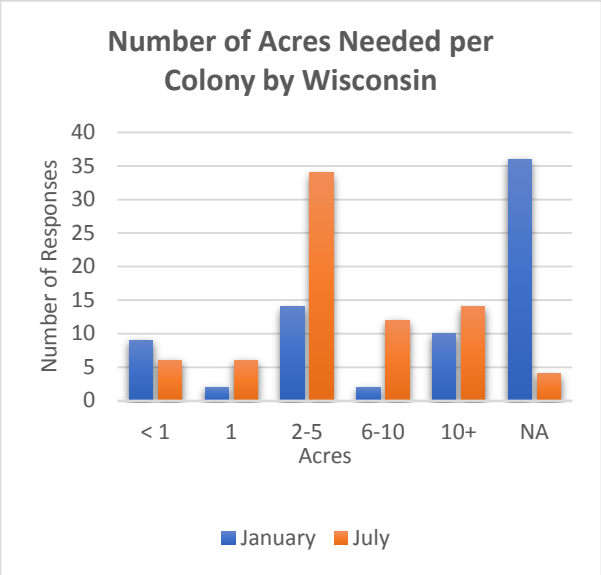
Common Forage Types Found on Properties Used for Bee Apiaries in West Virginia



NAPPC National Beekeeper Forage Survey

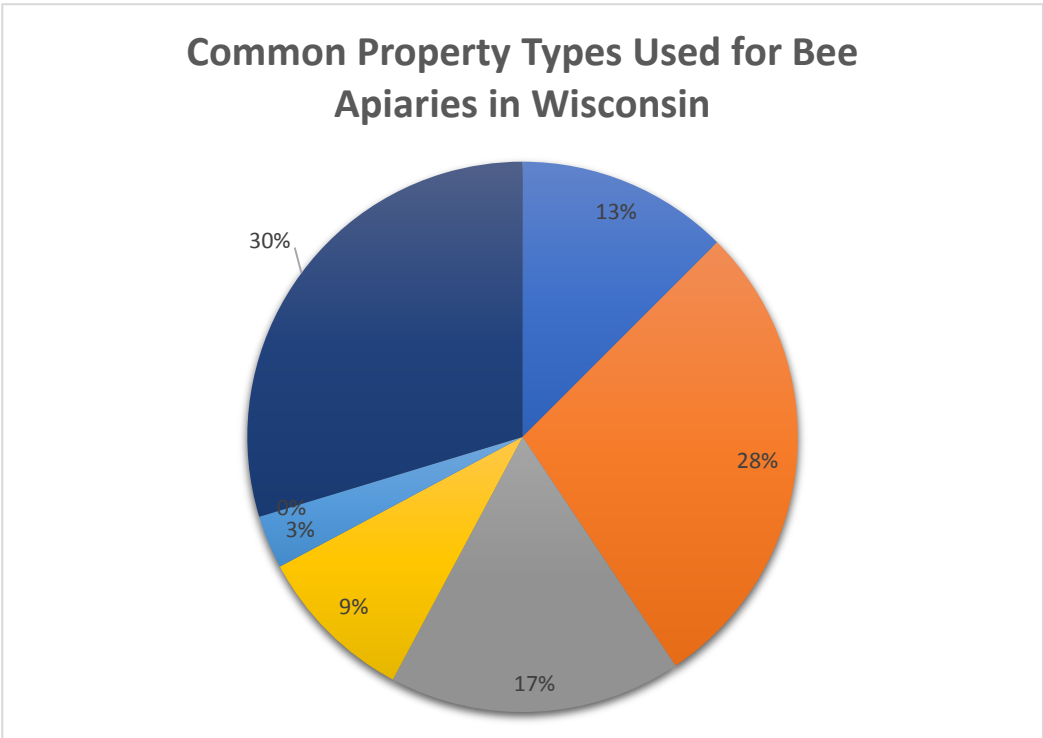
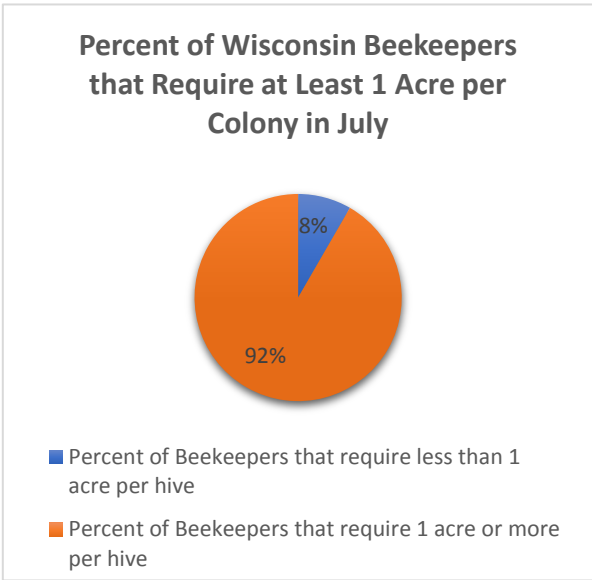
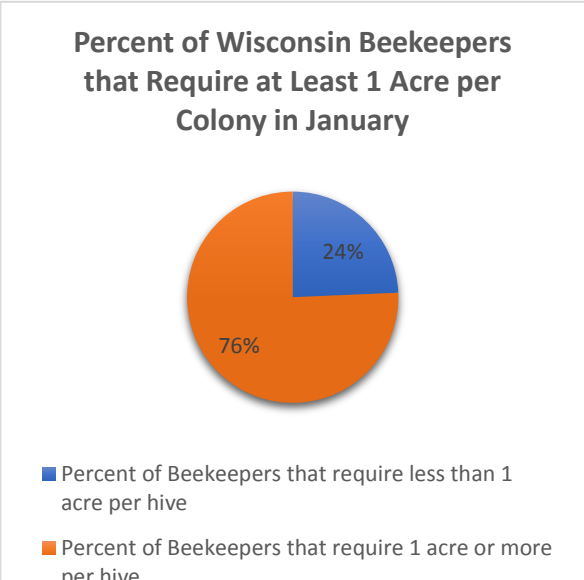
Wisconsin

In Wisconsin, a total of 80 beekeepers responded to the survey.



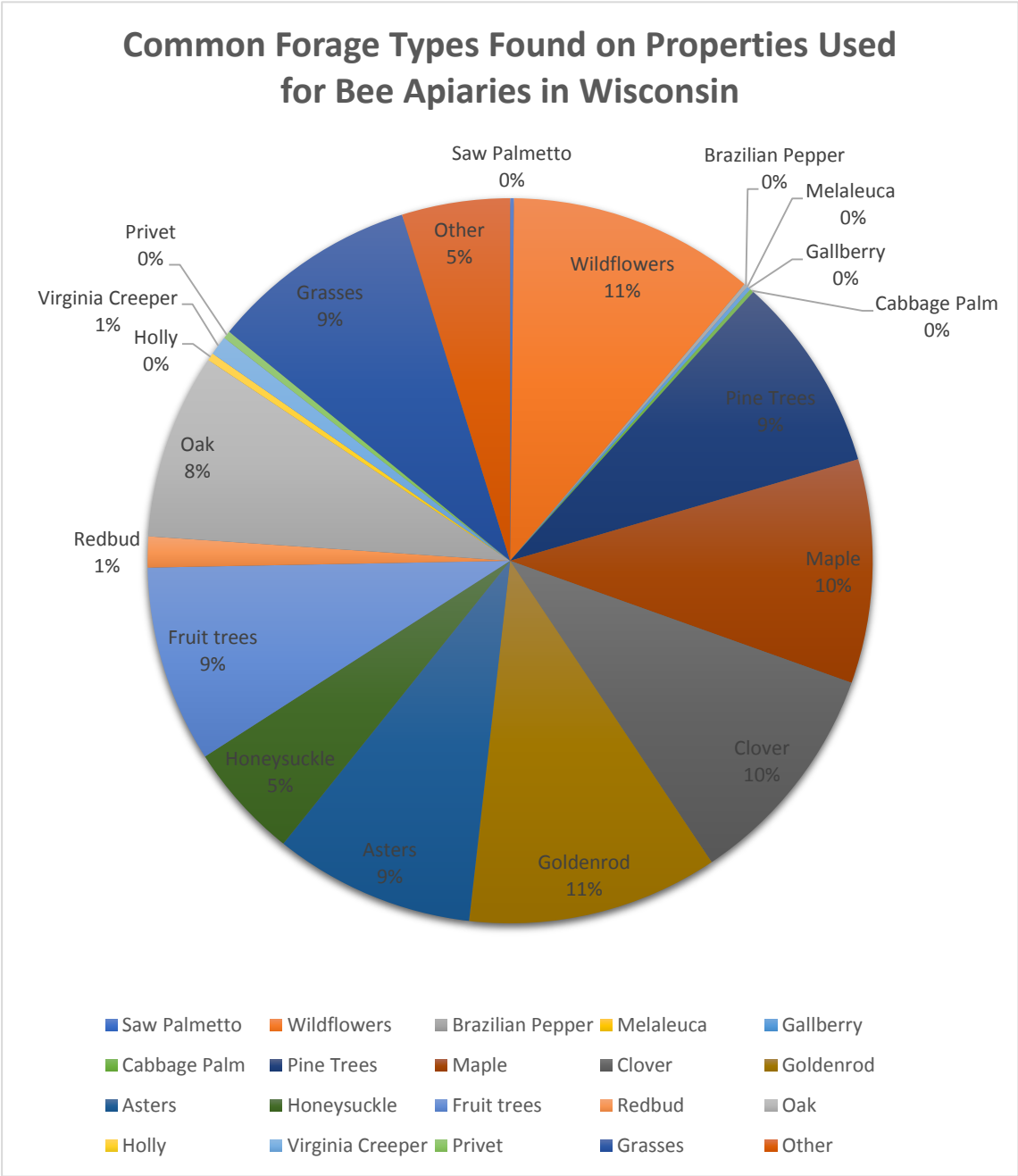
NAPPC National Beekeeper Forage Survey

Wisconsin (continued)



NAPPC National Beekeeper Forage Survey

Wisconsin (continued)



NAPPC National Beekeeper Forage Survey

Wyoming

No Data was available for Wyoming

NAPPC National Beekeeper Forage Survey

Survey Questions

1. Are any of your bee yards located on land not used for crops?
 Yes
 No
2. If yes, in what county and state is your southernmost such bee yard?
County _____
State _____
3. How would you describe this property?
 Vacant land in its natural state
 Pasture Land
 Range Land
 Forest
 Residential with typical lawn/shrubs
 Residential but mostly natural
 Improved commercial or industrial
 Other (please specify _____)
4. Considering the forage on this land, how many acres do you feel are necessary to feed one colony of bees during the month of January, without supplemental feeding? Please only consider hives on natural forage (not pollinating crops)
 Less than 1
 1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 More than 10
 N/A

Comments _____

NAPPC National Beekeeper Forage Survey

5. Considering the forage on this land, how many acres do you feel are necessary to feed one colony of bees during the month of July, without supplemental feeding? Please only consider hives on natural forage (not pollinating crops)

- Less than 1
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- More than 10
- N/A

Comments _____

6. What types of forage are predominant on this property? Check all that apply.

- Maple
- Clover
- Goldenrod
- Asters
- Honeysuckle
- Saw Palmetto
- Wildflowers
- Brazilian Pepper
- Melaleuca
- Gallberry
- Citrus
- Black Mangrove
- Cabbage Palm
- Fruit trees
- Redbud
- Oak
- Holly
- Virginia Creeper
- Privet
- Pine trees
- Creosote Bush

NAPPC National Beekeeper Forage Survey

Cactus

Grasses

If other plants are dominant, please list below.

7. How many colonies do you currently own?

Less than 100

Between 101 and 1,000

More than 1,000

8. If you would like the results of this survey please provide your email below.

The North American Pollinator Partnership Campaign is a growing, collaborative body of more than 160 diverse partners, including respected scientists, researchers, conservationists, government officials and dedicated volunteers. For more information, please visit: <http://www.pollinator.org/nappc>.