

2022 AIA Member Survey

Prepared by the Survey/Annual Health Data Committee

Participants (27)

Connecticut

Delaware

District of Columbia

Hawaii

Maine

Maryland

Massachusetts

Michigan

Montana

New Hampshire

New York

North Carolina

North Dakota

Ohio

Pennsylvania

South Carolina

Tennessee

Texas

Utah

Vermont

Virginia

West Virginia

Wisconsin

Alberta

British Columbia

Nova Scotia

Ontario

All 27 participants are affiliated with state, provincial, or territory government. Two (2) are also affiliated with an academic institution.

Which of the following services or programs did your organization offer this year?

	N	%
Workshops	10	37.0
Educational Materials	22	81.5
Lab Analysis	19	70.4
Beekeeper Classes	14	51.9
Bee Kill Investigations	20	74.1
Pesticide applicator notification	9	33.3
Certification related to bee health	25	92.6
Monitoring/ surveillance/ gathering data on health status separate from USDA-APHIS survey	16	59.3
Certification related to bee products (i.e. food safety)	3	11.1
Veterinarian Training	2	7.4

Did your state/territory participate in the USDA-APHIS HB Survey this year?

17/23 US states and territories reported they did!

	N	%
Funding/Budget	12	44.4
Staff/Personnel	17	63.0
Administration	4	14.8
Beekeepers	17	63.0
The Public	5	18.5
Training	6	22.2
Legislature	5	18.5



What are the greatest challenges of your Apiary Program or Apiary Inspection services?

How did COVID impact your Apiary Program this year?

	N	%
Staff or personal health challenges	10	37.0
Access to office or infrastructure needed to perform job duties	2	7.4
Access to supplies needed to perform job duties	6	22.2
Access to staff/personnel	7	25.9
Travel restrictions	16	59.3
No Impact	7	25.9

How did COVID impact beekeepers in your area this year?

	N	%
Personal Health Issues	11	40.7
Supply Chain Issues	18	66.7
Travel Restrictions	9	33.3
Labor Challenges	15	55.6
No Impact	2	7.4

What is the status of registration in your state/province/territory?

	N	%
Mandatory	18	66.7
Voluntary	6	22.2
No Registration	2	7.4

What is the frequency of registration in your state/province/territory?

	N	%
Annual	16	59.3
2 year	2	7.4
3 year	1	3.7
Once/Lifetime	3	11.1
N/A	4	14.8

What are the fees associated with registration?

	N	%
\$5 Flat	1	4.5
\$5+ Graduated	1	4.5
\$10 Flat	3	13.6
\$10+ Graduated	3	13.6
None	14	63.6

Which honey bee health issues are regulated in your state, province, or territory?

	N	%
American Foulbrood	26	96.3
European Foulbrood	11	40.7
Aggressive (Africanized) Stock	19	70.4
Exotic Honey Bees	11	40.7
Illegal Use of Miticides	11	40.7
Spotted Lanternfly	11	40.7
Varroa Mites	9	33.3
Tracheal Mites	7	25.9
Small Hive Beetle	9	33.3
Asian Giant Hornet	8	29.6
Tropilaelaps	13	48.1
Resistant Pests and Diseases	2	7.4
Chalkbrood	4	14.8
Ants	4	14.8
Nosema	5	18.5

Does your state/province/territory have specific laws, regulations or programming related the following?

	N	%
Urban Beekeeping	2	7.4
Distance requirements of apiaries	4	14.8
Distance requirements of colonies in proximity to dwellings	4	14.8
Best management practices related to honey bees and beekeeping	13	48.1
Animal health (i.e. movement, etc.)	12	44.4
Interstate/province/territory and domestic movement and bee sales	21	77.8
Compensation for hive loss - mandated destruction, deadout, natural disaster, bear damage, etc	7	25.9
Tax benefits or incentives for beekeeping	4	14.8
Honey certification or testing	5	18.5
Agricultural Theft	3	11.1

Does your state, province, or territory have the following?

	N	%
Honey certification or promotional program	7	25.9
New legislation this year pertaining to bees, beekeeping, beekeepers, bee health, pollinators, etc.	3	11.1
Extension or university program dedicated to honey bee health and research	19	70.4
Testing honey for safety or contamination	1	3.7

Does your program charge a fee or fine for any the following?

	N	%
Registration	7	25.9
Non-compliance of honey bee/ apiary laws/regulations	11	40.7
Health certificates/certification	6	22.2
Inspection	4	14.8
Lab Fees	2	7.4

Total estimate of beekeepers currently keeping bees in participating states, provinces, or territories

N = 21

63,071 Beekeepers

Total registered colonies in participating states, provinces or territories

N = 18

1,714,508 Colonies

Total registered beekeepers in participating states, provinces, or territories

N = 20

45,841 Beekeepers

What percentage of these beekeepers are:

N = 23

%

Hobbyist (<50 colonies)

80.0

Sideliners (51-100 colonies)

7.9

Commerical (100+ colonies)

12.1

Total number of apiaries visited by participating states, provinces, or territories

N = 23
6,366 Apiaries

Total number of beekeepers visited by participating states, provinces, or territories

N = 22
9,173 Beekeepers

Total number of colonies inspected by participating states, provinces, or territories

N = 25
111,316 colonies

Total number of queen producers certified by participating states, provinces, or territories

N = 14
1,134 Queen Producers

Total number of IMPORTS reported by participating states, provinces, or territories

	N	#
Colonies	19	856,072
Packages	11	70,745
Nucs	12	31,191
Queens	7	67,344

Range inspected = 0-100%
Most common = 5-25%

Total number of EXPORTS reported by participating states, provinces, or territories

	N	#
Colonies	18	1,079,908
Queens	4	230

Range inspected = 0-100%
Most common = 5-25%

Total number of American Foulbrood (AFB) cases reported by participating states, provinces, or territories

N = 24
154 Colonies

Total number of pesticides related bee kill cases reported by participating states, provinces, or territories

N = 23
12 Cases

Total number of European Foulbrood (EFB) cases reported by participating states, provinces, or territories

N = 22
548 Colonies

Total number of samples submitted for lab diagnostic services reported by participating states, provinces, or territories

N = 24
5,588 Samples

What field or lab diagnostic services did your program provide for beekeepers this year?

	N	%
Varroa Mite	22	81.5
Nosema	14	51.9
American Foulbrood	21	77.8
European Foulbrood	17	63.0
Virus	5	18.5
Pesticides	7	25.9
Small Hive Beetle	1	3.7
Africanized Honey Bees	1	3.7
None	2	7.4

What lab do you use for analyzing samples?

	N	%
In house lab (i.e. state, academic or provincial lab)	18	66.7
USDA Beltsville Bee Lab	19	70.4
National Agricultural Genotyping Center (NAGC)	4	14.8
Cornell Dyce Lab for Honey Bee Studies	2	7.4
Quality Services International (QSI)	1	3.7
NC State Honey Bee Queen & Disease Clinic	4	14.8
National Bee Diagnostic Centre, Beaverlodge, Alberta, Canada	2	7.4
UFL Bee lab	1	3.7

How are lab diagnostic service fees/costs covered?

	N	%
Apiary Program Budget	21	77.8
Beekeeper	6	22.2
No Costs Incurred	1	3.7

What do you think is the single greatest challenge facing honey bees and beekeepers

IN YOUR STATE/PROVINCE/TERRITORY?

Varroa mites and associated viruses (18)

Poor management (4)

Beekeeper lack of knowledge/education/experience and/or unwillingness to learn (3)

Beekeepers importing bees

Climate change

Nutrition

Labor

IN NORTH AMERICA?

Varroa mites and associated viruses (14)

Poor management (3)

Climate Change (3)

Multiple stressor effect on bee health (3)

Beekeeper lack of knowledge/education/experience and/or unwillingness to learn

Nutrition

Labor