

MARCH 12, 2019

**Foster Beelief's Educational Outreach
Program**



Presented by Sade Shofidiya, Foster Beelief Founder and C.E.O.

OUR MISSION

BEE THE CHANGE THE WORLD NEEDS

Fostering awareness for the honeybees, providing education on their plight, and organizing action for their future.



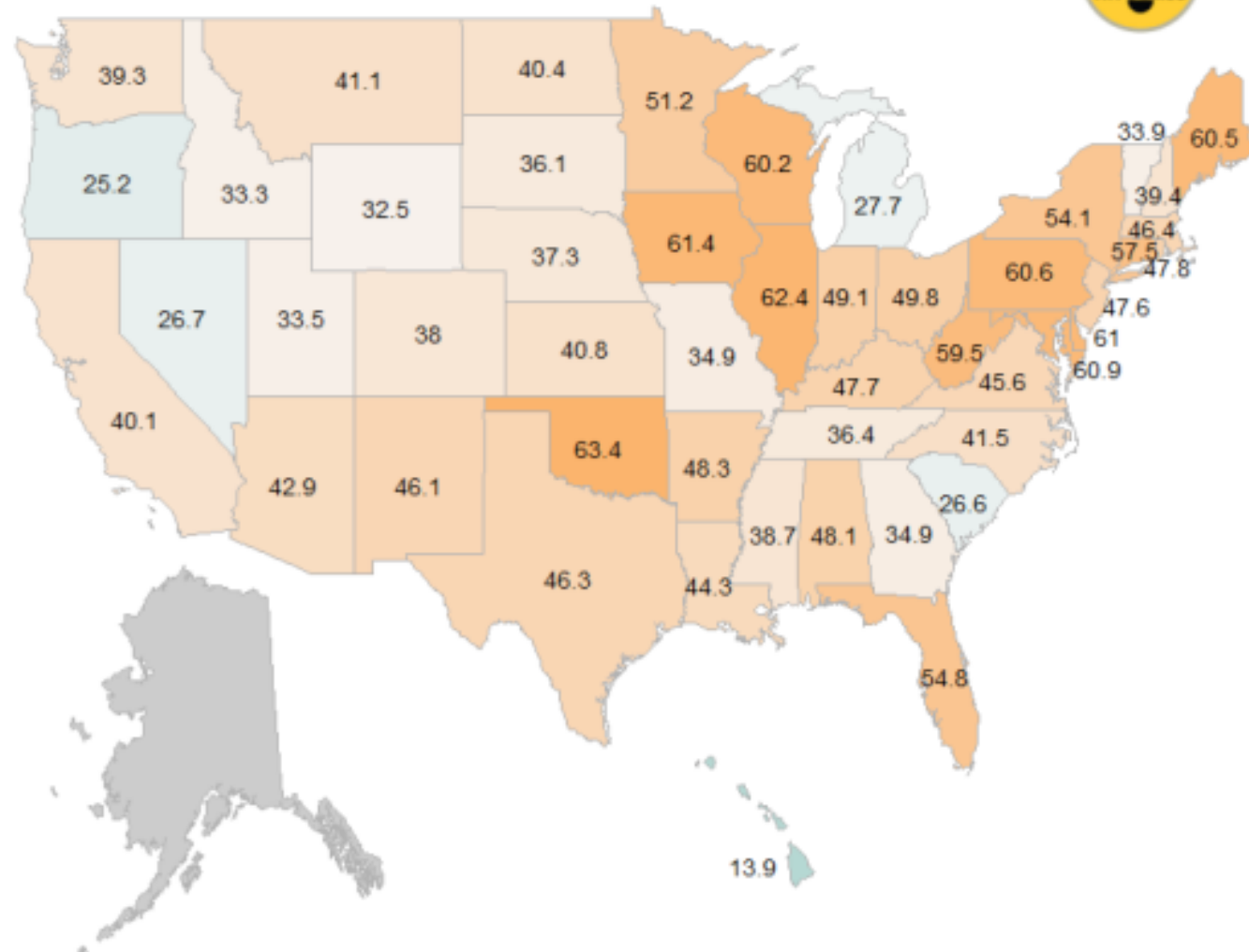
THE HONEYBEES NEED OUR HELP

(The Mystery of the Disappearing Bees, 2010)



HONEYBEE RISK FACTORS

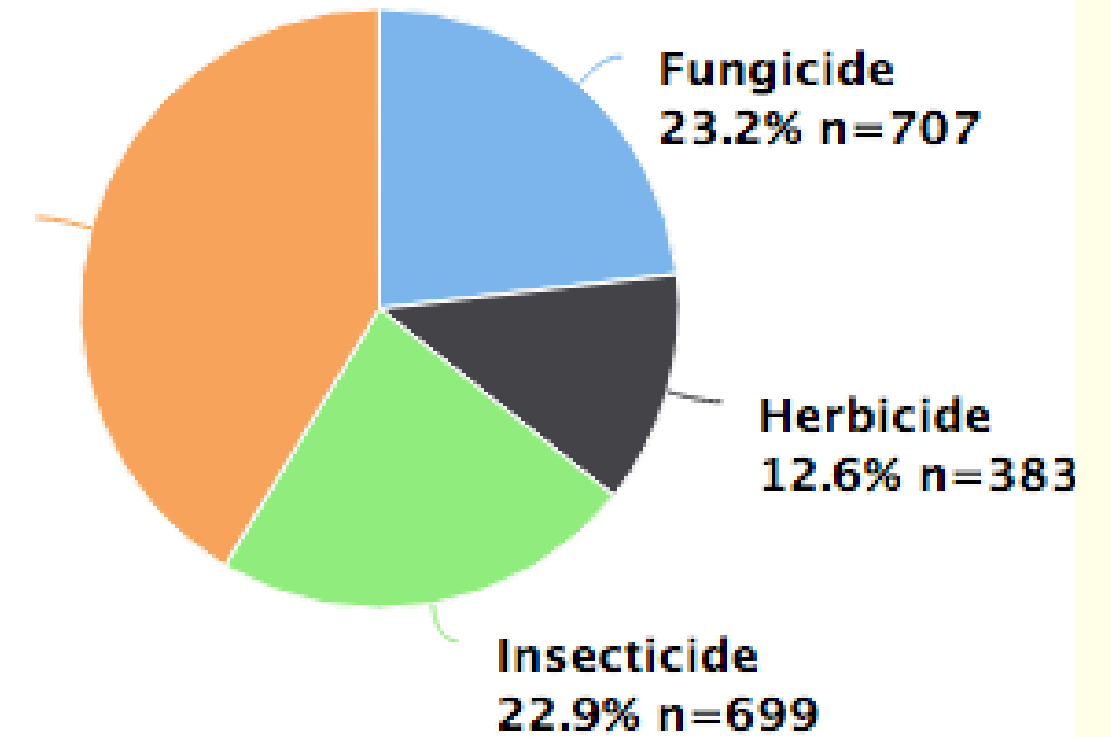
Total Annual Loss by State - Loss Survey 2014-2015



Pesticides Category Distribution for All Years

of samples = 1078

Varroacide
41.4% n=1262



Honey Bee Viruses

Abbreviation	Name	Years sampled
ABPV	Acute Bee Paralysis Virus	2009 - present
BQCV	Black Queen Cell Virus	2011 - 2012
CBPV	Chronic Bee Paralysis Virus	2009 - present
DWV	Deformed Wing Virus	2009 - present
IAPV	Israeli Acute Paralysis Virus	2009 - present
KBV	Kashmir Bee Virus	2009 - 2010, 2012 - present
LSV2	Lake Sinai Virus 2	2013 - present
SBPV	Slow Bee Paralysis Virus	2013 - present

(Bee Informed Partnership, 2018)





**2.4
MILLION**

colonies are estimated in the U.S. today, two-thirds of which travel the country each year pollinating crops and producing honey and beeswax



1 OUT OF EVERY **3**

bites of food Americans eat is directly or indirectly derived from honeybee pollination



Honeybees contribute over **\$14 BILLION** to the value of U.S. crop production

60 POUNDS of honey produce **1 POUND** of beeswax



A good, prolific queen can lay up to **3,000** eggs per day



Some crops, including blueberries and cherries, are **90%** dependent on honey bee pollination

OBJECTIVES

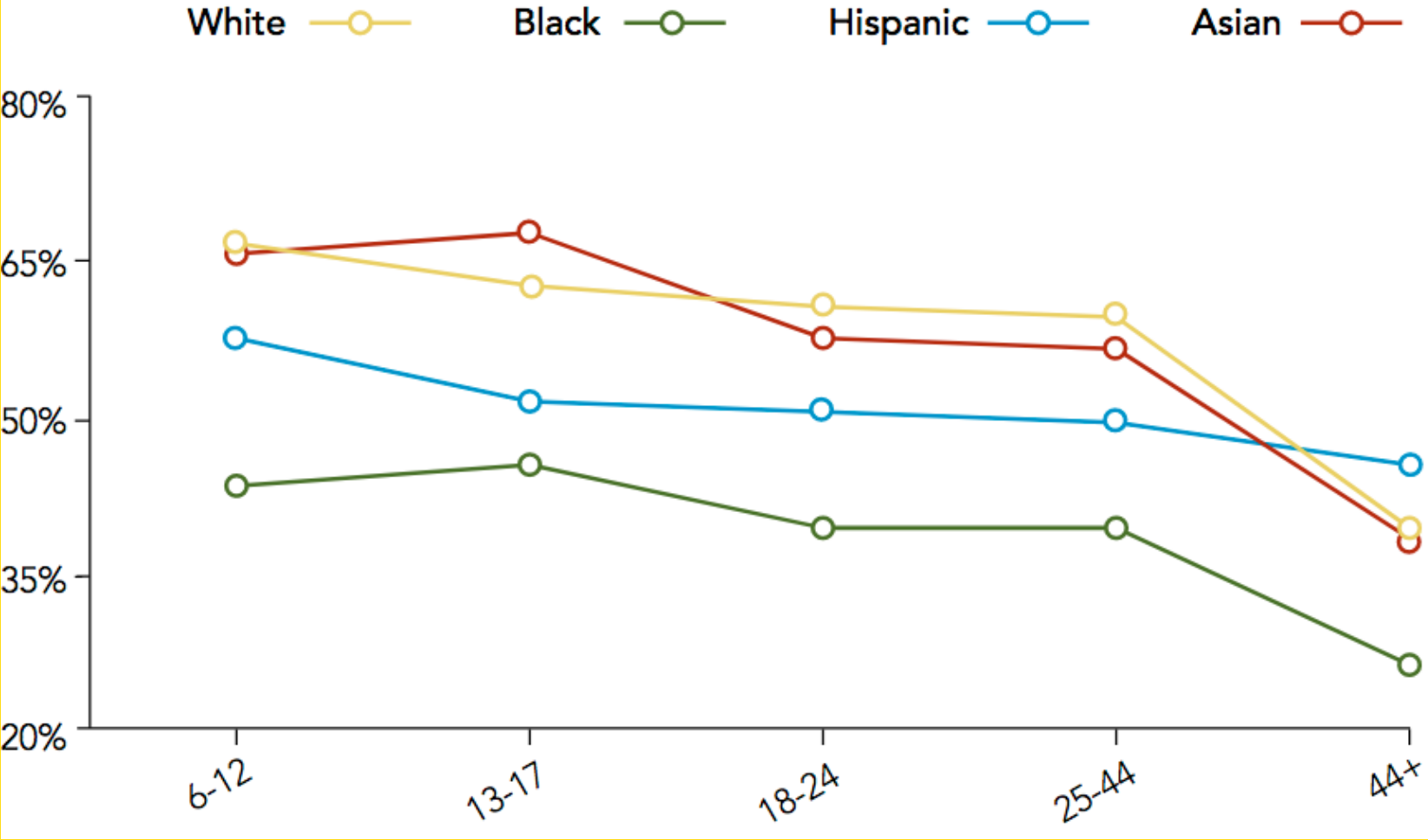
Foster Beelief is a not-for-profit organization that works to promote sustainability through the education of the at-risk honeybee population, increase STEM interests in low-income and minority students, increase the progression and research in Colony Collapse Disorder (CCD), increase the progression and research in all Historically Black Colleges and Universities degree programs, build stronger industry and community partnerships, and increase citizen involvement in communities.



PARTICIPATION AMONG DIVERSE GROUPS BY AGE

	White	Black	Hispanic	Asian
Ages 6-12	66%	43%	57%	65%
Ages 13-17	62%	45%	51%	67%
Ages 18-24	60%	39%	50%	57%
Ages 25-44	59%	39%	49%	56%
Ages 45+	39%	26%	45%	38%

(Outdoor Participation Report, 2017)



(Outdoor Participation Report, 2017)



HONEYBEE EDUCATION PROGRAM



S.T.E.A.M. Environmental Literacy. Environmental Stewardship. Environmental Justice.

TOPICS

Honeybee Biology
Honeybee Life Cycle
Honeybee Pathology
Safety Rules
Pollination
Pollinator Gardens
Honeybee Byproducts
Beekeeping
Hive Structures

ACTIVITIES

Live Observations
Research
Crafts
Creative Writing
Honey Tastings
Field Trips

RESOURCES

Beecause Project Curriculum
Honeybee Conservancy Curriculum
The Beekeeper's Bible
Bee Book
The Buzz about Bees: Biology of a Superorganism
The Wisdom of the Hive, and Honeybee Democracy
Teaching Frames
Connections to Local Beekeepers

OUTCOMES

Environmental Resiliency
Increased STEM Interests
HBCU Research Progression
Enhanced Public Health
Sustainability

CURRENT PROJECTS



LEBANON PLANTATION

SPRING 2019



SAVANNAH STATE UNIVERSITY

SPRING 2019



APIARY SITES IN-PROGRESS



Lebanon
Plantation



Lebanon
Plantation



Savannah Youth
City Addison Plaza



Savannah State
University



GOALS

PROPOSED TIMELINE



STAGE 1

Savannah State University
Funding
Partners

STAGE 2

Fort Valley State
University
Morehouse College
Spelman College
Clark Atlanta University

STAGE 3

Remaining HBCUs



PARTNERS

2019

Faster
Beelief



CONTACT INFORMATION

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