

# The Norfolk Bee

March 2025 • NORFOLKBEEES.ORG

## NCBA March Activity

The NCBA Meeting will be March 3rd at 7PM.

This is a ZOOM-ONLY

Getting ready for Spring, "Pollinators and the Flowers They Love".

## Newsletter Contents

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**Dear Beekeepers and Club Members,**

**Winter is transitioning to Spring and focusing on monitoring and feeding in these next few weeks will help the our bees make it to the dandelions:)**

**Our next meeting is ZOOM-Only on March 3rd and will feature Amy Musante.**

**We still have several volunteer spots (see page 2 and 7) to fill - check out the descriptions later in the Newsletter. Please, if you have the time, reach out to Mo Khalil ([mohamadkhalil@outlook.com](mailto:mohamadkhalil@outlook.com)) or Ed Rock ([erock0616@gmail.com](mailto:erock0616@gmail.com)) if you're interested in supporting your club.**

**Finally, thanks, from the NCBA Bee School team to all of you who have graciously volunteered to be Bee School Student Mentors this year. The mentor program is one of the many things that makes NCBA's Bee School unique.**

**Thank You - Your NCBA Board**

## March 3rd NCBA Meeting - ZOOM-Only

**WHO:** All NCBA Members are invited

**WHAT:** Amy Musante presenting "Pollinators and the Flowers They Love"

**WHEN:** March 3rd from 7PM - 9PM

**WHERE:** Only on ZOOM

**WHY:** Of course, pollinators love flowers, but, as it turns out, plants love their pollinators too! Not all pollinators are able to utilize the same types of flowers. In fact, each flowering plant has evolved a specific variety of traits designed to attract their "favorite" pollinators  
Plants and their pollinators have

- a mutually beneficial "symbiotic" relationship. In this talk Amy will introduce the diversity of pollinators and discuss how a combination of floral traits will predict which type of pollinator will be likely to visit. Amy will also provide examples of local native plants that are particularly beneficial to our local pollinators.

- You can design your garden to attract specific pollinators or tailor your variety of plants to attract a diversity of pollinators.

- Now's the time to start planning your garden for Spring and ordering your seeds and plants!.

**Same as Last Month  
Add Sugar Patties to  
Supplement Your Hive's  
Food Stores.**



**NCBA BOARD MEMBERS  
2024-2025**

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Carolyn Holmes

**NCBA BEE SCHOOLS:**

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Brianda Younie

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**LIBRARIAN**  
Michael Simone

**PROGRAMS**  
Alla Ostrovsky

**SCHOLARSHIPS & GRANTS**  
OPEN - Brian McCafferty

**DELEGATION TO MASSBEE**  
OPEN

**LEGISLATIVE & PESTICIDE**  
Mohamad Khalil

# NCBA Volunteer Opportunities+

The following are opportunities for you and your family to engage with your club members and support beekeepers across the state.

## 1 - New NCBA Logo Contest

Are you or a family member Artistic? We're looking to develop a new NCBA logo. Contact Brian if you or one of your significant others would like to participate, let us know ([BrianFMcCafferty@outlook.com](mailto:BrianFMcCafferty@outlook.com))

## 2 - Ag Day @ The MA State House

March 18, 2025 - We are looking for a NCBA members to volunteer to support Ag Day at the State House. It's fun, meet your legislators, and mingle with fellow ag folks - Contact Mike Passmore ([mpassmor@yahoo.com](mailto:mpassmor@yahoo.com)) or Carolyn Holmes ([homz191@verizon.net](mailto:homz191@verizon.net))

## 3 - Open Board Committee Positions

**NCBA Bee Apparel** - NCBA has developed and sold Club logo'd hats, shirts and apparel to club members. If you're interested, please volunteer to join the "Apparel Committee".

**Scholarships and Grants** - NCBA offers a wonderful set of scholarships for students of NCBA members pursuing environment related degrees, scholarships for NCBA members who are pursuing Master Beekeeper certification, and the Jan Daniels Scholarship for an educator who is developing "honeybee related" educational materials for their students. Contact Mo Khalil ([MohamadKhalil@gmail.com](mailto:MohamadKhalil@gmail.com))

## 4 - Delegate to MassBee

NCBA needs to have a club member regularly attend the MassBee meetings - Contact Mo Khalil ([MohamadKhalil@gmail.com](mailto:MohamadKhalil@gmail.com))

## 5 - MA Honey Queen

Do you know of a young person who's passionate about beekeeping and the products of the hive? Someone who'd like to promote pollinators, honey and beekeeping across the state? It's a great resume builder. Pass names along to Mo Khalil ([MohamadKhalil@gmail.com](mailto:MohamadKhalil@gmail.com))

The NCBA Board of Directors Meeting is the third Monday of each month.  
It's held at 7:00pm via a Zoom Video Meeting.

All NCBA members are welcome and encouraged to attend.

**NCBA  
BOARD  
MEETING**

**FEBRUARY 24, 2025**

7:00 - 8:23 PM.

Attending:

- Mohamad Khalil
- Greg Rushton
- Dana Wilson
- Brian McCafferty
- Alla Ostrovsky
- Mike Passmore
- Brianda Younie
- Michael Simone
- Ed Rock
- Kara Sullivan
- Archie Acevedo

## NCBA Board Minutes February 24th, 2025

### Vice President's Update – Mo

- ▣ Tonight we will discuss topics that include the Fall MassBee meeting, Ag Day at the State House, the capacity of our iCloud, a pollinator project, and NCBA scholarships.
- ▣ Still waiting to hear what legislation we are promoting at Ag Day, which will be printed on the honey jar labels that we'll distribute at the State House. Mo will also send to Ed for newsletter.

### Treasurer Update – Brian

- ▣ Bank balance and details are available to members by contacting Brian.
- ▣ As usual we receive most of our income in the spring, primarily from bee schools and memberships, and in summer and fall we have our expenditures, including scholarships.
- ▣ The Bee School raffle made about \$1000 with negligible expenses. Much of this was due to using Brian's personal Venmo account, so Brian will look into establishing an account for NCBA.

### Recording Secretary: Minutes – Mike P

- ▣ Minutes from the previous Board Meeting were accepted.

### Corresponding Secretary – Ed

- ▣ Newsletter is ready to go after minutes from this meeting are inserted. Newsletter is delayed by a week because our Board meeting was delayed.

### Committees:

- ▣ Programs – Alla
- o Mar – Zoom - Amy Musante – Pollinators and the Flowers They Love - Amy stepped in when our scheduled speaker cancelled at the last minute. Thank you, Amy!
- o Apr – Zoom - Steve Repasky – Swarms

- o May – In Person - Bob Hickey – Queens
- ▣ Beginner Bee School – Ed/Dana/Brian
- o Going into the 5th session tomorrow, with Carolyn presenting on Spring Management.
- o Fewer enrollees than previous years but possibly a result of post-Covid.
- o Positive reviews, and we think in-person is better than Zoom. We've noticed that Bristol County has 85 enrollees on Zoom, but their mentor program is not tied to the School.
- ▣ Intermediate Bee School – Brian
- o So far 29 enrollees, down from 46 last year.
- ▣ Extractors – Brianda
- o No activity.
- ▣ Library – Michael S
- o Greg noticed that the library link was not working, so he fixed it quickly.
- o Michael will convert his spreadsheet of library holdings to an NCBA document.
- ▣ Door Prizes – Kara
- o Two door prizes from last month were sent, and Todd will contact the package winner.
- ▣ Website – Greg
- o On February 6th our website domain expired but was quickly reinstated. Expiration date is now on Greg's calendar, but he will look into subscribing for multiple years.
- o Small updates to the Swarm page are needed, including a logo.
- o Greg will create a spreadsheet for Michael S to use for the library.
- ▣ Membership – Facebook – Google Groups - Dana
- o We have 505 club members, 76 from Bee School, and 49 renewals.
- ▣ Bee Apparel – Brian/Deb
- o Brian contacted an apparel company, but they only had expensive name brands. Brian will contact others and possibly secure samples for our May meeting. Brian's wife Deb is willing to coordinate

## ALL ARE INVITED

*Please remember that all NCBA members are welcome at each and every NCBA Board Meeting. As a matter of fact - we encourage as full a participation by our membership in the Board and Committees as possible.*

*Board Meetings are typically held on the third Monday of each Month. Just e-mail Tony Lulek and he will send you the Zoom Link for the meeting.*

(Continued on page 4)

(continued from page 3)

things should it materialize.

▣ Calendar Committee – Greg

o Up to date. Foreign events are not included at this time.

▣ Scholarships and Grants - Brian

o Our scholarships to the Aggie have gone from \$3000 to \$200 to \$1000 over the past three years, perhaps connected to the increase in rent. We will discuss when a new Superintendent is appointed.

o We voted unanimously to award a \$1000 scholarship to the Aggie.

Old Business:

▣ Fall MassBee Meeting - Ed

o The list of potential venues has been pared to two: Natick Elks and Franklin Universalist Church. The Elks is expensive at \$2500 but all-inclusive. Universalist is less expensive but smaller and we would need to supplement the AV equipment. Two additional venues were discussed briefly and discarded due to too many unknowns at this late date.

o A motion was made and seconded that NCBA would engage the Elks for \$2500 and if full reimbursement is not possible NCBA will cover the difference. The vote was unanimous.

New Business:

▣ New Logo

o Small discussion about creating a new logo. Greg needs one for the website's swarm application, and of course it could be used throughout the website and newsletter. Ed will ask for volunteers in the newsletter. We will need to resolve copyright issues.

▣ iCloud Subscription

o We're at 80% capacity after less

than a year. We can buy 30 gig for \$10 per month.

o Our choice is whether to archive or use Zoom retention. Zoom is not good for long-term because our speakers' presentations can become public, not only for members.

o Discovered that we have a terabyte on Vimeo of which we've used only 74 gig. Probably this is our solution. Alla will get back to the Board on sizes of our presentations so far.

▣ Pollinator Project - Brian

o The zoo in Attleboro currently has two defunct hives formerly maintained by Best Bees. With effort on our part these could be used for hive dives, training, and public education.

o Brian has determined that 23% of our club members live within 20 miles of the zoo, so it may be a practical site for volunteers, although Brian lives close by and can coordinate.

o Brian estimates \$1200 could cover the operation, although Dana recommends \$1500.

o Greg can donate supers, Alla can donate frames, and Archie volunteered queens.

o The zoo staff director has had bees and would be interested in coordinating at the site.

o A motion to this effect passed for Attleboro, and we'll discuss a similar installation for our Aggie at a later time. In the meantime Brian will send a blurb describing the project and requesting volunteers to Mo and Ed for the newsletter.

▣ MassBee Beekeeper of the Year

o Bob Hickey is our nominee and his name will be submitted to MassBee.

Meeting was adjourned at 8:23 PM

## MARK YOUR CALENDERS

### March 3rd

7-9PM - ZOOM ONLY

**Amy Musante will**

**present "Pollinators and the Flowers They Love".**

### April 7th

7-9PM - ZOOM ONLY

**Steve Repasky will**

**present on Swarming**

### May 5th

7-9PM - IN-PERSON ONLY

**Bob Hickey will present**

**on Queen Rearing &**

**NCBA will have our**

**ANNUAL SPRING**

**PLANT EXCHANGE &**

**Refreshments / Social.**

**This will be held in the Cafeteria of the Aggie.**



# Intermediate Bee School

Intermediate Beekeeping School is back for a sixth year! Classes will be via ZOOM-ONLY to allow us to present speakers from around the country.

This course is recommended for beekeepers with at least 1 full season of beekeeping. All students will need to be member of a local beekeeping association.

Classes are held every 2 weeks on Wednesdays at 7:00 PM via Zoom **starting next week on March 5th ,2025** - Tuition is \$60

- Wednesday, March 5, 2025 - Spring Management presented by Carolyn Holmes
- Wednesday, March 19, 2025-Swarm Control & Splits presented by Scott & Kari Mofford
- Wednesday, April 2, 2025 - Sustainable Beekeeping presented by Ed Szymanski
- Wednesday, April 16, 2025 - Single Brood Chamber Management presented by Stephen Repasky
- Wednesday, April 30, 2025 - Identifying Diseases of the Hive presented by Randy Oliver
- Wednesday, May 14, 2025 - Varroa Sensitive Hygiene (VSH) Bees presented by Kathleen Gasbarro
- Wednesday, May 28, 2025 - Other Colony Diseases & Tropilaelaps Mites present by Paul Tessier, MDAR
- Wednesday, June 11, 2025 - Winter Prep Starts Now – presented by Mike Simone & Brian McCafferty
- Wednesday, June 25, 2025 - Q&A session and Panel Discussion - Master Beekeepers Panel

<https://www.norfolkbees.org/intermediate-bee-school.html>

*Recordings will be saved for future viewing when allowed by the presenter.*

## Amy Musante - NCBA's March Speaker "Pollinators and the Flowers they Love"

*Of course, Pollinators love flowers! But, as it turns out, plants love their pollinators too! Not all pollinators are able to utilize the same types of flowers. In fact, each flowering plant has evolved a specific variety of traits designed to attract their "favorite" pollinators.*

*Plants and their pollinators have a mutually beneficial "symbiotic" relationship. In this talk Amy will introduce the diversity of pollinators and discuss how a combination of*

*floral traits will predict which type of pollinator will be likely to visit. Amy will also provide examples of local native plants that are particularly beneficial to our local pollinators.*

*You can design your garden to attract specific pollinators or tailor your variety of plants to attract a diversity of pollinators.*

*Log onto the Zoom Meeting with your pollinator gardening questions ready to go!*

*Amy Musante is founder and beekeeper at Musante Farm. She is a broadly trained biologist with*

*expertise in ecology, animal behavior, and evolutionary*



biology. Amy began her professional career working for the UMASS-Entomology Department in the early 90's and her passion for biodiversity has fueled over 30 years studying the ecological relationships between organisms and their environments. She has conducted extensive research for academic, government & private sectors.

Amy is a Vermont Certified and Cornell Master Beekeeper with a strong focus on evidence-based management. She utilizes the power of natural selection extensively, as she works to fine-tune her own population of regionally-adapted bees. All of her queen lines originate from cut-out colonies living in the wild that she obtains thru her bee removal service. Amy selectively propagates from her strongest overwintered colonies, that have the best ability to keep their mites down on their own.

She manages 70-100 colonies in order to have a population large enough to maintain genetic diversity and select the best as the cream rises to the top.

Amy overwinters colonies in two apiaries on her organic farm in Berkshire County, MA. She sells honey, nucleus colonies, queens, organic pastured chicken eggs, and hay. In addition to bee removal, she offers personal beekeeping consultations and college internships.

## February's Better Bee Presentation - Making Products of the Hive

We had a great turnout for the February "IN-Person" meeting.

Betterbee came to Norfolk to share information and equipment on products of the hive. They also brought a ton of equipment NCBA members purchased - to save on shipping costs.



Anne Frey provided practical advice on producing all sorts of balms and emollients.

It was great seeing so many NCBA members and talking about what products we all make, our hive's winter survival...so far, and our plans for Spring.



Anne shared a great website ([www.humblebeeandme.com](http://www.humblebeeandme.com)) with a wealth of recipes for cosmetics, lip balms and other hive products. Make sure to check it out.



### Making Bee Hive Products for Health & Beauty (and fun and profit!)

Visit [www.betterbee.com](http://www.betterbee.com) for your crafting supplies.

#### History of bee products in cosmetics

- Wax, and other hive products, have been used in cosmetics and medicine since ancient times.
- Wax used as a skin-care, water-proofer, moisture barrier, deodorant, and more in ancient cultures.
- Global product 150mg. Resinose packed into 4000 year old jars in the Americas.
- Or wax used as a honey to treat wounds, and as a rough exfoliant.
- Aristotle suggested using propolis for any skin issue!

#### Tips & Tricks

• Honey is a gift that grows like grapes (lots of bees) and it can change what you'll get, from gummy to pale to soft results.

SCAN ME

#### Beeswax

- Purity is very important! Clean wax is best, no natural color impurities, no pesticides. Cloppings wax is the best!
- Needs to be undisturbed; cleaned of honey and water then poured into small bottles.

#### Propolis Pre-polis - Before [the gates of] the city [the city being the colony]

- When it's 17 Mixture of beeswax and plant resin, many trees. Bees use to protect the leaf buds from insects, fungi.
- To the bees, it is waterproofing, anti-fungal, antibacterial, antimicrobial and anti-infectious resin substance.
- Why would humans use it? Anti-infectious, antifungal, analgesic for mouth.
- Why wouldn't we use it? Toxic on some flowers. Also, if the bees don't want it, we shouldn't use it.
- If gathered using a propolis trap, it is covered propolis. If it's from a sprayer, there is a coating on it and all glue together. It must be sorted from wax, wood shavings, bits of wood, etc. To sort, put shavings in a bucket of water. Wax, bees and wood float on top. Stir the rest out and pick out impurities. Allow to settle for storage in dark, cool place.

#### Propolis Tincture (throat spray) specifics:

- Alcohol at 100 proof or stronger is the solvent. Kahlbaum, moonshine, etc.
- For 1000 bottles, 100 g alcohol for every 100 proof. 100 ml per 1000 bottles.
- One glass jar with 100 ml, one every 100 bottles 100 g.
- Filter out particles using a coffee filter, or coffee filter soaked in alcohol. Pour into 1.5 oz brown glass bottles.
- OR, instead of alcohol, using a double boiler, heat 1 part propolis to 10 parts alcohol or 100 proof for 10 minutes or more, then strain. Strain in a sealed glass container in the dark. Or, hot-food-mat. Store the liquid at room temp for 2 days, adding Double, then filter. Based on the NCBA Beekeeping, and for 1000 bottles. Suggestion for propolis tincture taken from the propolis articles in Bee Culture by Ross Cornell in Sept. and Oct., 2014.



# LIONS AND TIGERS AND BEES... OH MY!

NCBA is launching our first **Pollinator Education Project in conjunction with the Capron Park Zoo** in Attleboro, MA. Working with Zoo Director John Wirght, the NCBA will be placing two hives at the zoo with plans to use this location as:

- a **Pollination & Pollinator & Public Education site for "beekeeping at the zoo"**
- a **centrally located beekeeping training site for NCBA Member Events**
- a **beekeeping training site for NCBA Bee School & Intermediate Beekeeping students**

We are looking for NCBA volunteers to help maintain the new colonies, and run public education presentations on Sunday afternoons at the zoo. The goal is to have a core group that will work together to make this project a success. One of the many perks to this activity is that you'll receive FREE entry to the zoo:)

**Please contact Brian McCafferty ([BrianFMcCafferty@outlook.com](mailto:BrianFMcCafferty@outlook.com)) if you are interested in helping, want to gain experience in setting up an apiary, establishing new bee colonies, and present to the public.**



# 2025 Nucs & Queens Available

**NortheastBees.com**

Archie Acevedo □ Franklin Massachusetts

Nucs and Queens are our specialty. Nucs are the easiest way for beginners to establish new hives. We don't cut any corners.

The nucs that we sell you are the same as those that we produce for ourselves.

All of our nucs are Massachusetts raised and overwintered in our Medway, and Franklin bee yards. These are *not* southern-raised nucs. All queens have been reared from our overwintered northern stock and are better adapted to the New England climate. Each year our breeder stock is tested through a winter prior to grafting.

Our "nucs" are 5-frame mini-hives comprised of a marked queen, her daughters, pollen, nectar, and honey.



[www.barkersbeehives.com](http://www.barkersbeehives.com)



*Stay Local, Support Local, Buy Local*

*We sell everything a  
beekeeper needs!*

- |                            |                               |
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| Full Hives Setups          | Pollen Patties w/real protein |
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*You name it! I can build it!*

I'm not only a Craftsman, also a Beekeeper

All wood is from a local mill

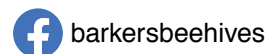
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needs!**

**To answer questions:  
[info@woodsbees.com](mailto:info@woodsbees.com)**

# Boston Honey Company Nucs

We are offering our standard nucs for the 2025 season, these come with established queens, 5 frames, and a jester box. All our nucs are inspected by the state bee inspector and our nucs are guaranteed by us. Our Queen stock is grafted from Breeder Queens raised and selected by Mike Palmer of French Hill Apiaries.

Five frame Nuc with unmarked queen. Bee stock is a mix of Carniolan/Buckfast and (POL-LINE) Italian stock. Minimum of 3 frames sealed brood (avg. 4), all 5 frames drawn out. No frame exchanges. All Nucs come in Jester plastic corrugated boxes that are reusable.

**Standard Pricing is : \$215.00**

**All Club Members use code: "ClubDiscount"**

**Club Price 5 Frame Nuc: \$205.00**

**Quantity Discounts are available for group purchases:**

<b>Buy 10+</b>	<b>\$15.00 OFF</b>
<b>Buy 20+</b>	<b>\$20.00 OFF</b>
<b>Buy 50+</b>	<b>\$25.00 OFF</b>



We also offer bulk honey for those who are looking to supplement their honey crops if they had a short year. We have our Northeast wildflower honey available in 5 gallon buckets for only \$270 at \$4.50 per pound!

If you have any questions, feel free to contact me using my info below and I'm more than happy to share more information about our bees, beekeeping practices, quick lessons on how to install a nuc, a package, and more.

Best,

***Evan***

**Email: [evan@bostonhoneycompany.com](mailto:evan@bostonhoneycompany.com)**

**Phone #: 774-217-0000**



# Bee Keeping Online Resources

•**American Bee Journal** - Beekeeping Resources, Research and Articles - <https://americanbeejournal.com/>

•**American Beekeeping Federation** - Membership Organization with great resources and educational opportunities - <https://abfnet.org/resources-for-beekeepers/>

•**Auburn University Extension** - Agriculture and Beekeeping related webinars and resources - <https://www.facebook.com/LawrenceCountyextension/>

•**At Home Beekeepers Series** - Auburn University Extension Service - <https://www.aces.edu/blog/topics/bees-pollinators/at-home-beekeeping-series/>

•**Bee Conservancy** - Resources for beekeepers & supporting Pollinators - <https://thebeeconservancy.org/10-ways-to-save-the-bees/>

•**BeeCounted** website accesses all the broodminder data (you don't need the sensors) rolling in so you can see nectar flow in your geography <https://beecounted.org/map>

•**BetterBee** Beekeeping supply vendor with some nice "how to videos and resources- <https://www.betterbee.com/instructions-and-resources/home.asp>

•**Bee Informed Partnership** Beekeeping Blog - <https://beeinformed.org/blog>

•**Cornell University Beekeeping Courses and Resources** - <https://ecornell.cornell.edu/certificates/beekeeping/>

•**Dadant** Beekeeping supply vendor with

some nice "how to videos and resources- <https://www.dadant.com/learn/>

•**Eastern Apicultural Society** - Membership organization for beekeepers in the Eastern United States - resources, education, conferences and research for beekeepers - <https://easternapiculture.org/>

•**Honeybee Health Coalition** - resources and education for beekeepers - <https://honeybeehealthcoalition.org/focus-on-forage/>

•**Honeybee Net** - a great resource presented by NASA at the Goddard Space Flight Center website - <https://honeybeenet.gsfc.nasa.gov/Honeybees.htm>

•**Honey Bee Suite** - a neat online resources of articles, blog posts and - <https://www.honeybeesuite.com/>

•**Mann Lake Blog** news, information, and beekeeping techniques - many product related - <https://www.mannlakeltd.com/blog/>

•**Massachusetts Apiary Program**, hive inspections, information, support - <https://www.mass.gov/apiary-program-honey-bees>

•**Massachusetts Beekeepers Association** - Resources and Programming for MA Beekeepers - NCBA is part of the state organization - <https://www.massbee.org/>

•**Norfolk County Beekeepers Association** - <https://www.norfolkbees.org/>

•**North Carolina State University Apiculture Program** - Resources, Educational Opportunities and Data to inform your beekeeping <https://www.ncsuapiculture.net/>

•**North Carolina State University Apiary Lab** Beekeeping resources, videos, and more- <https://www.ncsuapiculture.net/>

•**Northeastern Integrated Pest Management Center** - Hosts monthly Zoom workshops on a variety of topics on pest management in beekeeping - <https://www.northeastipm.org/ipm-in-action/the-ipm-toolbox/bee-breeding-and-ipm-for-better-pollinator-health/>

•**PennState Extension** - Beekeeper and Pollinator Resources - <https://extension.psu.edu/insects-pests-and-diseases/pollinators/beekeeping>

•**Planet Bee.org** - Resources about pollinators, pollen providers, and bee friendly plantings - <https://beescape.psu.edu>

•**Pollinator.org** is a resource for ecoregional planting guides for pollinators - <https://www.pollinator.org/guides>

•**Randy Oliver's Scientific Beekeeping** website - research, resources, and data to inform better beekeeping - <https://scientificbeekeeping.com/>

•**University of Massachusetts Bee Lab** - Pollinator Resources - <https://ag.umass.edu/resources/pollinators>

•**University of Minnesota Bee Lab** - featuring the work of Marla Spivak and others - data and research to inform your beekeeping - <https://beelab.umn.edu/>

•**USDA Bee Disease Diagnosis 60+ page PDF** - <https://www.ars.usda.gov/is/np/honeybeediseases/honeybeediseases.pdf>

•**USDA Bee Disease Diagnosis Service** - <https://www.ars.usda.gov/northeast-area/beltsville-md-barc/beltsville-agricultural-research-center/bee-research-laboratory/docs/bee-disease-diagnosis-service/>

•**USDA National Agricultural Library Apiculture and Beekeeping** resources - <https://www.nal.usda.gov/animal-health-and-welfare/beekeeping>

•**Washington State University Honeybee and Pollinator Program** - Resources and new research for beekeepers - <https://bees.wsu.edu/>

**It is my hope to have NCBA members "YOU ALL" share any online Beekeeping references and resources you know if...and continually update this list as a once-a-month reference for all members.**

**Thanks in advance for sharing any resources you have that are your "Go To's" for beekeeping.**

**Thanks to Mark Bittinger for the Planet Bee and Bee Counted web sites**

**Ed Rock**