

“Promoting the Craft, Science, and Future of Beekeeping since 1947”

THE BEELINE



Official Newsletter of the Central Iowa Beekeepers Association

ISSUE

Winter, 2018

UPCOMING SEMINAR INFORMATION

January 19, 2019

12:00 p.m. – 4:00 p.m.

Grimes Community Center

410 SE Main Street

Grimes, IA

WINTER SEMINAR

See seminar details [here!](#)

Any questions contact:

Jamie Beyer

(515) 231-0215

beyersbog@aol.com

NEWSLETTER ARTICLE SUBMISSION

DEADLINE: February 15, 2019

Email Submissions

3oakshoney@gmail.com

Mail Submissions

Jolene Erikson

324 NE 64th St

Pleasant Hill, IA 50327

We encourage you to receive the newsletter via email; however, we understand if electronic delivery is not for you! You may make updates to your subscription, or add a subscription by sending a notification to:

justiowahoney@gmail.com

FROM THE PRESIDENT, MIKE SANDER

Happy New Year Central Iowa Beekeepers,

I hope this letter finds you warm and happy, with hives full of bees wintering well.

It certainly has been an interesting and unusual year. I would like to say it has been a warm year, or a cold year, but the reality is that it has been both. It seems the entire year has been marked with weather that has been both above and below normal. Cold when it is usually warm, wet when it is usually dry, and warm when it is typically cold. I hear differing tales of how hives are doing. Many are saying they went into fall light. Some have said they were able to squeeze in a later feeding. Mine seemed light so we did a mountain camp on everything anticipating they will likely need it. Late winter and spring should be interesting. Hopefully these late December warm days have been easier on their resources, and they will have plenty left for spring. We are however, preparing to do early spring, non-intrusive visual checks. We will be ready to add extra resources if necessary, knowing they have likely burned through much of them in this cold fall.

Looking back over my previous Presidents Letters, it seems I always mention that formidable foe, the varroa mite. This one will be no exception. I had the opportunity to attend a couple seminars this fall that provided some much-appreciated updated information. Dr. Samuel Ramsey has completed some great research on them. Thanks to his well-documented research, we now know that much of what we originally thought we knew about the disgusting little creature was wrong. Hopefully this will lead to new and more effective treatments.

Just a quick reminder that our annual auction will be at a new location this year. I am looking forward to: having indoor working bathrooms on site, more space to set up, more space to park, and a place to go if it starts to rain. A big thank you to Julie Sander, the board, and auction committee for making this happen. We already have people who have agreed to consign items. If you have items to sell, I hope you will consider allowing us to help you sell them. If you are looking for items please stop by to see what is available. I know many of you like a list of what is there, but that has proved impossible to accomplish as items are consigned right up until auction day. We will do our best to let you know of items we are aware of prior to the auction.

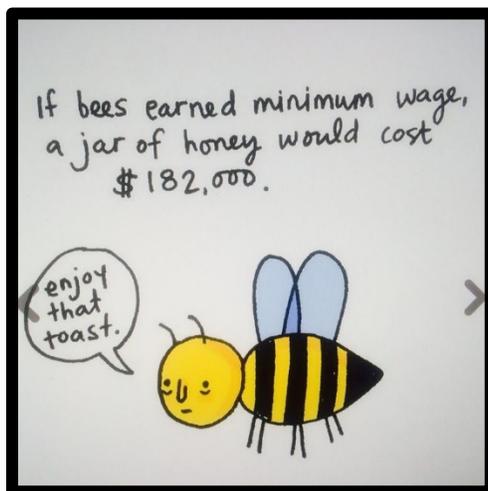
Winter Seminar is fast approaching, and is only a little over two weeks away by the time you get this. Please see later in the newsletter for details. Jamie has some great topics lined up for us, and it should prove to be very educational. Hope to see you at the meeting and hear how your hives are doing.

Mike

Editor's Note: Page numbers referenced in the Table of Contents are not accurate, and I am unable to fix it before publication. If receiving this document electronically, use your CTRL key and click on the link in the TOC to navigate the document.

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Winter Seminar

By Jamie Beyer

Our January Winter Seminar will be on January 19, 2019. The program will start promptly at noon and finish up around 4:00 pm on Saturday, January 19th. Arrive early – the Banquet Hall will be open at 11:00 a.m. and we will have coffee for everyone. It will be held at the Grimes Community Complex, 410 SE Main Street, Grimes, Iowa. There is **NO CHARGE** to attend the meeting but donations will be accepted and appreciated. If you are on the fence about attending, remember this: REFRESHMENTS WILL BE SERVED!

Our main presenter will be Marlene Boernsen from northwest Iowa (Ocheyedan); she will be presenting How to Make (and add flavorings to) Creamed Honey. She sells her creamed honey at the State Fair and her honey is always a big hit. I have heard her present a couple years ago on this topic and she knows her stuff. Come prepared to learn and also to buy her creamed honey. She will have it to sell to us. I know she makes many different flavors.

I will be presenting an Update to Swarm Trapping or Using Bait Hives. I have learned a few more success tricks that I will share. This past summer, I caught 10 swarms in my traps, as well as caught 7 swarms by other means. I was able to get some videos of the swarms, which was an eye-opening experience for me. I will be presenting videos of bees showing up and actually entering a trap, a swarm leaving a hive and clustering on a tree branch, a swarm entering a hollow hole in a tree and finally a swarm I followed for a half mile that clustered on a low tree branch. Nature is a wondrous marvel that I am always in awe of but these videos takes nature to the highest level of wonderment and admiration. Be prepared to enjoy them.

P.S.

I am hoping that all beeks can make our Winter Seminar in Grimes again this year. We purposefully scheduled an extra hour for socializing and networking between the creamed honey and swarm trap presentations, as we believe connecting with each other is important to all beekeepers.

On another note, if the weather is bad, we may have to cancel the program. An email will be sent out early the morning of the seminar if we need to cancel the program due to weather; we will also contact KCCI to provide an announcement. If this is the situation, hopefully the following Saturday will work for a makeup seminar. Keep the next Saturday open just in case -- if you can.

Any questions please contact Jamie Beyer, 515/231-0215 or beyersbog@aol.com

CIBA General Membership Meeting Minutes

September 22, 2018, Iowa State University Horticulture Research Station

CIBA Meeting was called to order by President, Mike Sander at 5:00 pm. Minutes were read and moved for approval by Jim Crandell and seconded by Arvin Foell. The budget balance for September was \$9008.81.

CIBA Queen, Cameron shared that she has spoken at 2 events and participated in the State Fair, helping with the candle rolling. She has enjoyed her gentle bee colony provided by CIBA. She will be participating in the state Honey Bee Queen competition.

Jamie Beyer and Mike Sander reminded members to help with activities, volunteer for committees and help with ideas and planning next winter's seminar. Looking for someone with web skills to help update the CIBA website. Please share your talents.

Spring auction has a new location: 18930 210th Street, Minburn, IA. This is 7 miles south of Perry (where the previous auctions have been held). Several "BEE" signs will be posted at old location to help direct people to the new auction site. The new site has indoor restrooms, a larger indoor space for cashiers and snack sales area. Please start organizing your unwanted equipment and list it with CIBA before March 1, 2019 for only 10%

commission, after March 1st, it is 15%. Potential buyers want to know what items are going to be sold at the auction. The more equipment listed, the more buyers, and the potential for higher prices for the sellers on their equipment sold, which leads to the club making more money. WIN-WIN for all! Talk up the auction so people consign items and realize the location has changed.

Bee Yard Progress Update- To get 501-C3 Status we need Articles of Incorporation. Dean Howarth met with Mr. Moorman (lawyer) who is helping with the By Laws and Articles of Incorporation. Linn Wilbur revised and rewrote some of the content. Lynn highlighted a few items:

- Voting system stays the same.
- Increase the Board of Directors by two.
- Treasurer and secretary should be voting members of the board.
- Treasurer should have electronic transfer of funds.
- More committees are/or can be appointed by the board.

Section 1.07 states: CIBA meetings will be: Jan., March, May, July, Sept. and Nov. The CIBA secretary has been sending out a monthly Newscast email. Question was asked, will newsletters be sent out to notify members of upcoming meetings?

It was suggested that the CIBA Bylaws needed to be sent electronically to members and the revisions should be underlined or highlighted so readers know what the changes are and can make comments on the revisions. Comments are welcomed and needed ASAP so the Articles can be approved at the next meeting. Comments may be sent to Mike Sanders and Jamie Beyer.

Jamie Beyer moved to adjourn the meeting and Bernie Hala seconded. Meeting adjourned.

Respectfully submitted,

Secretary Pro temp
Nancy Kurrle

Upcoming March Meeting Program

By Jamie Beyer

Our March meeting will be on March 16, 2019. With Linn Wilbur's suggestion -- I have lined up Dr. Judy Wu-Smart from the University of Nebraska. She is an Extension and Research Entomologist and is conducting and overseeing research on many topics. She has agreed to provide a presentation on "Trouble-shooting queen failures", which is actually more focused on how one goes through a list of other possible stressors to determine if it's truly a problem with the queen or the hive. She is in demand and I feel we are very lucky to have her present to our group.

Call to Action

CIBA By-Laws and Articles of Incorporation

If you provided an email address with your membership, the documents will be sent to you electronically, along with your winter edition of the Beeline. Review your email for attachments.

If you did NOT provide an email address with your membership, the documents will be sent to you via USPS under separate cover.

Based on the delivery method, please review the accompanying By-laws and Articles of Incorporation that have been updated with your suggestions, and be ready to vote on them at the January Winter Seminar. We will have a very short business meeting after the seminar. Our goal is to get these approved to enable the bee yard project to move forward.

2019 Membership Dues

Time really does fly, and it is that time of year again to determine if you want a single or a family CIBA membership. Membership in CIBA runs on a calendar year, January 1 to December 31. If you have not done so already, membership for 2019 is now due. We've included a [membership form](#) with this Beeline edition. Dues are as follows:

- \$10 for a Single Membership
- \$15 for a Family Membership whereby members are residing at the same address
- Waived for a new beekeeper taking a Central Iowa beekeeping class this year

As a reminder, you must be a current member to participate in the election of officers and directors at the March meeting. Membership forms will be available at the Winter Seminar in January, the March CIBA meeting or you can send your payment (checks should be made payable to CIBA), with a completed membership application form, to:

Valerie Just
4609 Crestmoor Drive
Des Moines, IA 50310

NOTE: IF YOU HAVE PAID IN ADVANCE FOR MEMBERSHIP DUES, PLEASE COMPLETE THE MEMBERSHIP FORM AND GIVE IT TO VALERIE JUST TO ENSURE WE HAVE YOUR MOST CURRENT INFORMATION.



CIBA Beekeeping Auction Update



What: CIBA Annual Auction

When: Saturday, April 20, 2019
Auction starts at 10:00 a.m.

Where: 18930 210th St.
Minburn, IA 50167

Consignment

It's time to consign! **CIBA members** that commit to consign by March 1st will be awarded a 10% consignment fee, which is a reduction from the standard consignment fee of 15%. After March 1st, CIBA member consignors will be charged a 15% consignment fee. The reduction in the consignment fee is NOT available to non-members in the CIBA.

Committing to consign does not require a list of the items you are consigning, but the sooner we know the items you have to sell, the better we can advertise, and the better your opportunity to sell your beekeeping equipment, etc.

As you are putting items away or cleaning your supplies, start a list of what you want to bring to the auction.

Concession Stand

Calling for all cooks and bakers! As in the past, there will be a concession stand at the auction – the stand funds our Honey Queen / Honey Ambassador program. Please let us know if you would like to help with food items, and what you are interested in assisting with!

Contact for Consignment and Concession Stand

Please contact Julie Sander at majlsander@msn.com.

Again, the earlier you contact Julie with a list of consignment items, the better we can advertise your items, which will increase your odds of selling your equipment at the auction.

Did You Know...

CIBA Club Meetings / Beeline Publication Timing

Club Meetings

Did you know that CIBA has **quarterly** meetings, and they occur on the third Saturday of the following months?

- March
- June
- September

The December meeting is at the discretion of the President of the club – if you recall last year, we had a January seminar with Dr. Amy Toth that took the place of our quarterly December club meeting. This year, we will have a [Winter Seminar](#) on January 19th.

Beeline Publications

Did you know that CIBA publishes a standard edition of the Beeline 4 times a year? Typically, the publication is mailed/emailed 1-2 weeks prior to the quarterly meetings. Jolene Erikson and Valerie Just are currently co-sharing the editorship of the newsletter; Jolene Eriksen, our club Secretary, manages the distribution of the newsletter.

- Spring - March
- Summer - June
- Fall - September
- Winter – December: Since the [Winter Seminar](#) is taking the place of the December meeting, this edition will be sent towards the end of December/early January.

In addition, last year, we published a Special Edition that was focused on information for new beekeepers, and provided at the beginner beekeeping classes in Central Iowa.

You will be able to find archived and current publications of our newsletter on our CIBA website.



News from our State Apiarist, Andy Joseph

By Andy Joseph

Hello fellow bee people.

Quick cold fall, but a nicer, sunny day as I'm writing this. We never really got our Indian summer, did we? Lots of syrup feeding this fall for many of us. And pollen sub sure does help keep queens laying.

Mite treatment was a little sketchy this season. Many beekeepers treated their hives this fall using trusted products and good timing, but still had trouble making the mites die. It didn't seem to be a resistance issue to any one particular product. Beekeepers who re-checked mite counts following treatment could at least give another dose or try again using a different product. And often these secondary treatments were more effective. Of course, earlier is always better than later for killing mites, so we'll all see how well wintering goes.

Nearly all the bees headed out of state have been moved to their warmer locations. More and more smaller-scale beekeepers are participating in the almond pollination gold rush each year. I saw a lot of great looking, strong hives in these "Exit checks", I also saw a lot of still-struggling hives. Many hives just wanted to shrink. I had troubles with this in my own bees, more than I've ever experienced. A hive might look a little small and get put together with another, then a visit the following week might find it again to be on the small side, so another would be combined... If you had to deal with this dwindling, I hope your numbers have stabilized and your bees are beginning winter with both strength and weight.

It won't be long til it will be a good idea to get out on that special sunny mid-40s degree day and pop some covers and heft some boxes. See if the bees have moved up to the top boxes. See if the boxes are still heavy or if they've burned through food stores. I believe these winter checks have become more important in recent years. If bees are upstairs and they've eaten quite a bit, you can always add more food. Feed "winter patties" or dry sugar or fondant or candy boards ... just be sure they have access to good empty calories. With the cost of bees as high as it is, saving even just a hive or two from starvation will likely cover your cost of this emergency winter feeding.

Winter is also prime time to fix up that aging empty equipment. Spring comes fast. My boxes are as ratty as any of the worst of yours, so this is mostly a note to self. What I really should do is create a hive body burn pile and buy new ... instead what I hope to do is scrape and paint anything solid enough to withstand another few seasons of handling. Frames can be scraped. Greasy old black combs melted down or discarded. These winter chores are so easy to procrastinate, but it really is rewarding to get good and cold now and then.

Enjoy the winter. Come on springtime. See you all soon.

Andy

Trees are the Bees Knees!

By Valerie Just

Bees Knees

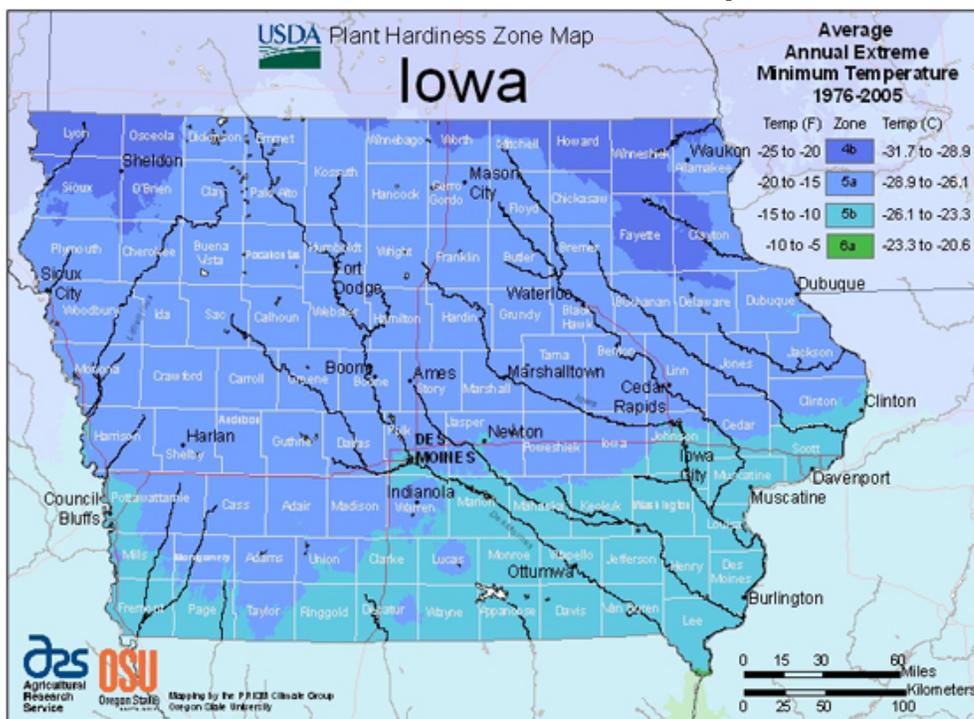
I have heard the phrase 'bee's knees' throughout my lifetime, but truthfully, never took the time to understand the history. According to the *Post Prohibition.com* website, the phrase "bee's knees" was prohibition-era slang for

“the best.” In that time, the addition of ingredients such as citrus and honey were often used to cover the less than ideal smell and taste of bathtub gin.

Before I provide information on trees that are beneficial to our bee colonies and honey production, I wanted to provide some background on Iowa’s plant hardiness and heat zones. The information is in a publication, Gardening in Iowa Zones, written by the Iowa State University Extension and Outreach.

Iowa Plant Hardiness and Heat Zones

2012 USDA Plant Hardiness Zone Map

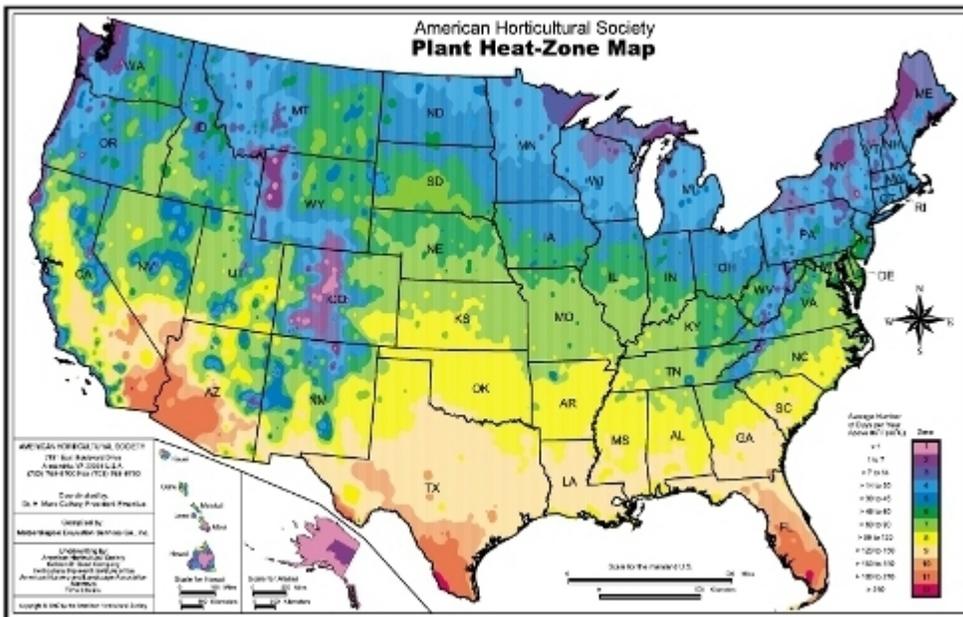


Most gardeners are familiar with the United States Department of Agriculture’s Plant Hardiness Zone Map as a standard guide to a plant’s cold tolerance. It has been an important tool when selecting trees, shrubs, and perennials for the landscape for over 40 years. The data on which the 2012 map is based was gathered from 1976 to 2005. Most American reference books, nursery catalogs, and gardening magazines describe a plant’s ability to survive cold temperatures using USDA plant hardiness zones.

The USDA Plant Hardiness Zone Map divides the country into 13 zones based on average annual minimum temperatures. Zone 1 is the coldest area where minimum temperatures can go down to minus 60°F. At the other extreme, Zone 13 is the warmest zone in tropical locations where lows don’t drop below 60°F. The zones are divided by 10-degree increments. According to the 2012 version of the map, most of Iowa is in Zone 5. Small areas in northwest and northeast Iowa are in Zone 4.

AHS Plant Heat Zone Map

Note: I was unable to get the Iowa-specific map from the extension office; however, if you want to see this map in more detail, conduct an Internet search ‘Iowa plant heat zone map’, and click on the ‘Gardening in Iowa Zones – ISU Extension Store – Iowa State University’ hyperlink to view a more detailed map for the state of Iowa – you can see the zones by county on this map.



Cold isn't the only factor that determines whether plants will survive and thrive in an area. Heat also has an effect on plants. The effects of heat stress are less obvious than the damage caused by extreme cold, which will either kill a plant instantly or slowly over the winter.

In 1997, the American Horticulture Society (AHS) developed a new map, called the AHS Plant Heat Zone Map, to help gardeners choose plants suited to summer temperatures in their region. *AHS Heat Zones (1997)*

This zone map is used to select annuals, perennials, vegetables, aquatic plants, and turf grass species. It divides the United States into 12 zones based on the average number of days in the year that daily high temperatures reach or exceed 86°F. This temperature was chosen because it is the point at which plants begin to suffer physiological damage from heat.

The zones range from Zone 1 (less than one heat day) to Zone 12 (more than 210 heat days). Iowa occupies parts of Zones 4 (northeast part of the state) through 7 (extreme southwest part of the state).

Using the Zone Maps

The USDA Plant Hardiness Zone Map and AHS Plant Heat Zone Map are guides to help gardeners select plants suitable for their location. However, the maps are only guides. They are based on the average annual minimum temperature and average number of days of 86°F or higher. Longtime Iowa residents realize the weather in our state is rarely normal or average. Periodically, these averages will be exceeded, sometimes by a wide margin. Plants may be damaged or destroyed during extreme weather events.

For example, a tree or shrub hardy in USDA Hardiness Zone 5a (average annual minimum temperature of -15 to -20°F) may grow well for several years as long as winter temperatures are average or warmer than normal. However, a bitterly cold winter (when temperatures drop to -25 to -30°F) may result in serious plant damage or possibly death.

The USDA Plant Hardiness Zone Map and AHS heat Zone Map are helpful guides. Gardeners who utilize the maps and select plants based on their cold and heat tolerances should see very high plant success rates.

For more information

Horticultural information on selection, planting, cultural practices, and environmental quality is available from your local Iowa State University Extension office and from these websites.

- <https://store.extension.iastate.edu/>
- www.yardandgarden.extension.iastate.edu
- www.reimangardens.iastate.edu

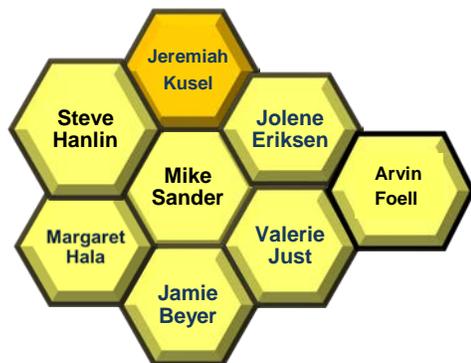
Why Trees?

- Think scale! Compare the size of a tree to a perennial plant, or even a shrub. A tree, as it matures, provides a vast amount of nectar and pollen in comparison to a native perennial plant. It is important for the bee population, whether native or honey, that trees are available for honey production and colony sustainability. Trees' flowers are a critical source of forage for bees, providing nutrient-rich pollen and nectar that bees use for food and to make honey.
- Below is a table of trees suitable for the Midwest region that fill nectar flow gaps throughout the season – this is not an all-inclusive list, but it should get you started thinking about scale, and how important trees are to a beekeeper's success. It is important to think about the season timeline – this table provides trees that flower from early spring until early fall. If you are a lucky landowner, take into consideration the needs of our pollinators when you plant or replace trees on your property!
- Please note the planting zones referenced in the table, and compare them to your location on the hardiness and heat zone maps provided by the extension office.

Tree	Size	Planting Zone	Flowering Timetable
Red Maple	60'	3 – 9	March-April
Redbud	20'	4 – 9	April – May
Crabapple	8' to 40'	3 – 9	April – May
Black Gum	40' to 60'	4 – 8	May
Black Locust	40' to 60'	3 – 8	May
Tree Lilac	25'	3 – 7	May – June
Tulip Poplar	60' to 90'	4 – 9	May – June
American Linden (Basswood)	50' to 70'	3 – 8	June
Little Leaf Linden	30' to 70'	3 – 7	June
Sourwood	20' to 40'	5 – 9	July – August
Japanese Pagoda Tree	50' to 70'	4 – 8	July – August
Korean Bee Bee Tree	20' to 40'	5 – 8	July – August
Seven Sons Tree	20' to 25'	5 – 9	August - September

In the upcoming March 2019 Beeline, we will provide information on noteworthy trees!

Get to Know Your Club Leadership



Jeremiah Kusel, Board Member

My name is Jeremiah Kusel, and I live in Slater, Iowa. I currently have 9 hives in Iowa and 5 in Missouri; the hives in Missouri are dedicated to a program I started for veterans. I served in the Army from 2000-2004; I deployed to Iraq and was injured in 2003 and was medically retired in 2004.

About 6 years ago, my father bought a hive and had someone else take care of the bees. We talked one day about 3 years ago, and decided to take Andy Joseph's class. After we completed the class, we started with 4 hives and colony packages.

Beekeeping for me has been great. I love it, and I love being able to get into a hive and identify all the different stages of brood and bees. I love the fact that the bees provide a calming effect, which has helped me with my Post-Traumatic Stress Disorder (PTSD). Three years ago, I was taking 12 different medications for PTSD, but after taking up beekeeping, I am down to 2 medications, which is all due to beekeeping, and the relaxing effect the bees provide me – the work also keeps my mind busy.

The most challenging thing I have found in my short time beekeeping is varroa mites; attempting to discover the best means to control the mites while keeping the bees healthy and productive. The best advice I could give any new beek is take a class and keep up on continuous education. Don't be afraid to try – know that sometimes you will fail and have a swarm or lose a hive in the winter, but it is all a part of the beekeeping learning curve.

My plans for the future are to continue to grow both in number of hives and knowledge. I want to get my mobile honey processing trailer completed, and assist the leadership team to help grow CIBA. My goal is to reach 250 hives and to continually grow the program I started in Missouri – my objective is to get ill, injured, and wounded veterans out of their house and learn a new hobby, as I've discovered the benefits and want to help combat the 22 veteran suicides each day.

CIBA Member Contributions



Margaret's FAQs

By Margaret Hala, Board of Director

Here it is December 27th and it's supposed to hit 50+ degrees in Des Moines today. The bees have not clustered tightly for the winter and they keep breaking the loose cluster they have made to feed on warm days. They will be out flying today, so as soon as you can, lift/check stores for the rest of the winter. IT WILL GET COLDER and the bees will need more food before they will be able to gather more.

If you were lucky enough to get some honey this last fall, enjoy your success and the fruits of your and the bees labor. If you extracted enough to try to sell it and had problems, research places to sell for next year. It takes time to get it known that you have bees and homegrown honey. You can also give small containers to friends and family as introduction gifts. I've found that 'farmers markets' are good places to get your product before consumers. If you produced a 'niche' honey, such as pumpkin, orange blossom or buckwheat, prominently display that fact, both on the label and on signage at your stand. 'Niche' honeys are worth a premium price, so don't undervalue it.

If you were able to get new or other extra equipment, now is the time to get it put together, repaired and painted. DO NOT work with foundation or comb at this time as it will break/shatter easily. This also applies to beekeepers who have had bees more than one or two seasons. It's time to order more new equipment, build that equipment, order new queens and scout new yards. Remember that when spring comes and it's time to split your colonies, you will need new homes to put them in and places to put them.

DON'T FORGET THE APRIL AUCTION HELD BY CIBA TO LOOK FOR MORE EQUIPMENT AND TALK BEES. If you had colonies that didn't make the summer and fall, now is the time to check everything and get rid of old, damaged or otherwise unusable comb and frames. If you cut out or melt wax, clean frames for replacing the comb when it warms up. It's a good time to sit, scrape and wire frames, and watch basketball and football games on the TV.

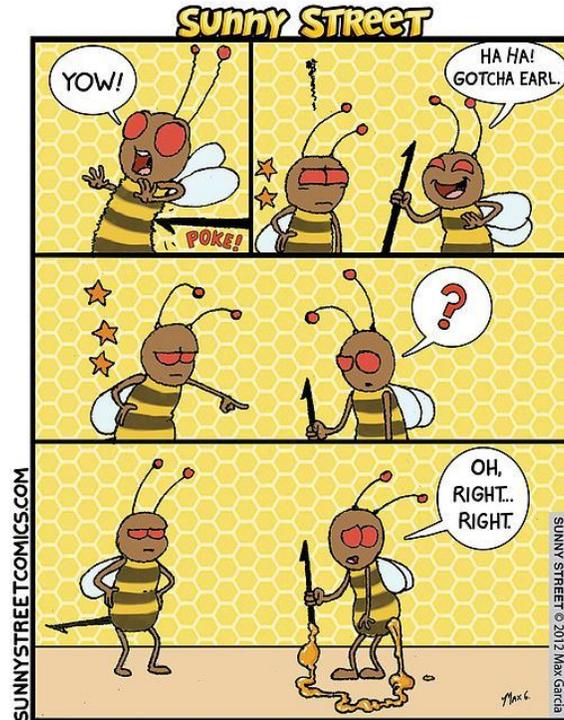
Question	Margaret Says
<p>I have been keeping bees without using chemicals or other manipulations, naively thinking to assist them develop their own resistance over time. This is my third year of no treatments and I fear they are over the threshold and will all perish. I run my home yard on screened bottom boards and they seem to be hit the hardest. I want to treat, but have sworn not to. I see bees crawling in front of the hive with deformed wings and unable to fly. My heart cries 'treat' but my head says NO! I could use some kind words.</p>	<p>If I have an ill child, I take that child for treatment, I don't pray for a miracle cure. It's the same for my dog. You have accepted bees into your care and must treat them to the best of your ability. If this means aiding them in learning to cope with mites, so be it. I don't like to take medications either, but I do what I must. Life is too precious not to do so.</p> <p>If you choose to go with no chemicals, that is your choice and there are non-chemical ways to help. Screened bottom boards allow 5-20% of mites that fall naturally to drop to the ground, and if you dust the bees routinely with powdered sugar, that percentage can climb to 50% or more. This could give your bees the time needed to learn to cope with the mites. It would also give you a chance to find those bees that are the most hygienic of your colonies and propagate from them.</p> <p>If you decide to go with the least invasive treatments, you will find that oxalic acid vapor is an option. Another is smoking the hive with sumac to assist in knocking mite numbers down. It's supposed to help, but sumac is poisonous to humans and livestock, so proceed with caution. Remember, if a heavily infested hive crashes, those bees drift or evacuate to other hives with adhering mites, thus infesting and overloading those hives with mites. If you have a heavily infested hive, isolate it to treat or kill the bees fast.</p>
<p>I've heard to use powdered sugar to 'dust' for foulbrood and even mite control, but powdered sugar has an anti-caking agent "starch" which bees can't digest. This can contaminate honey if applied during honey making times.</p>	<p>I've heard that fine powdered dextrose is better than powdered sugar, but if dextrose is unavailable, powdered sugar is the least harmful to the bees than other dusting agents. I've also heard that Varroa Mites are very unlikely to become resistant to substances like thymol or other organic acids.</p>
<p>How can I, with just a couple of colonies, recover the wax out of frames that needs redoing?</p>	<p>You can make a solar wax melter with a window frame, glass, a cookie sheet and bread pan. Make a box and sides for the window, cut down one end of the cookie sheet and put the bread pan to catch the wax as it melts. Angle it to catch the sun and let that do the work.</p> <p>You can use an old slow cooker, on low, by putting about 1 inch of water in the pan, adding the wax pieces and checking every few hours. Chances of flame up with HOT melted wax is lessened by heating on low. When melted, pour the wax off into mini loaf pans for reuse or sale. Or a 'double boiler' of one pan set in another with water in the bottom pan. Stainless steel is best.</p> <p>The dark wax is good for dark candles like Christmas tree candles and for other crafts that do not require white wax. It can also be sold back to bee supply places for more cleaning and reuse. It returns less than white wax, but there is a market for it.</p>



Beekeeping Banter

- ✓ When LL Langstroth invented the modern beehive, there were a lot of old fashioned beekeepers who didn't think it would work. They were skeptics.
- ✓ Why did the queen bee kick out all the male bees? Well, it was fall. And the males were droning on and on and on.
- ✓ What TV channel do Canadian bees watch? See, bee, see!

- ✓ What do you call a bee that lives in America? A USB.
- ✓ What is a bee's favorite flower? Bee-gonias!
- ✓ What do you call a bee that eats too much? Chubb-bee.
- ✓ Where did Noah keep his bees? In his archives.
- ✓ How do bees make money? They cell their honey!
- ✓ Who is the bee's favorite composer? Bee-thoven.



Central Iowa Beekeepers Association (CIBA) 2019 Membership

Select one:

- New membership
- Renewal of membership from 2018

If this is a renewal, has any of your personal information changed? Yes _____ No _____

Membership Dues

- ✓ Membership dues run on a yearly calendar schedule of January 1st through December 31st.
- ✓ Dues are payable at the beginning of each new calendar year.
- ✓ Make checks payable to CIBA.

Select one:

- \$10 for a Single Membership
- \$15 for a Family Membership whereby members are residing at the same address
- Waived for a new beekeeper taking a Central Iowa beekeeping class this year

Where are you taking your class? _____

PLEASE PRINT YOUR INFORMATION

Name _____
Street Address _____
City _____ State _____ Zip code _____
Home phone (_____) _____ - _____ Cell phone (_____) _____ - _____
Email _____

Additional Information for Family Memberships

Additional name _____
Home phone (_____) _____ - _____ Cell phone (_____) _____ - _____
Email _____

Additional name _____
Home phone (_____) _____ - _____ Cell phone (_____) _____ - _____
Email _____

Additional name _____
Home phone (_____) _____ - _____ Cell phone (_____) _____ - _____
Email _____

Newsletter/Communication Delivery: Electronic or Mailed Delivery Options

You can choose between receiving the quarterly newsletter and club communications via electronic delivery (email) or United States Postal Service (USPS) mail delivery.

We encourage electronic delivery for the reasons noted below:

- ✓ Selecting electronic delivery saves CIBA the cost of postage. That savings allows us to continue to keep membership dues as low as possible and to support other programs with our available resources.
- ✓ We can provide more information to you electronically, as noted in the table below.

While we encourage electronic delivery, you need to make a delivery option that serves your needs. This table outlines communications based on delivery selection:

Communication Type	What you will receive with:		Details
	Electronic Delivery	Mailed Delivery	
BEELINE	Yes	Yes	Quarterly club newsletter
Meeting reminders	Yes	No	Mailed reminder postcards have been discontinued
Special information	Yes	No	Examples: CIBA organizational updates
Forwarded electronic information	Yes	No	Examples: IHPA news, upcoming events, etc.
By-Law changes	Yes	Yes	Infrequent club By-Law updates
Annual Membership Directory	Yes	Yes	We publish an annual membership directory in June each year.

Note: Family memberships receive ONE mailed newsletter/membership directory or ONE OR MORE emailed newsletters/notices/membership directories/meeting reminders

Select one:

- Mail via USPS
- Email electronic delivery
- Both

Membership Directory

We publish an annual membership directory in June each year, which is shared only with club members.

Select one:

- Yes, the club can publish my/all family member’s information in the Membership Directory
- No, the club may NOT publish my/all family member’s information in the Membership Directory

Additional information for the Membership Directory (**optional**):

1. How many hives and where are your hives located (# of hives/location)? EX: 9 urban hives
Urban _____ Rural _____
2. How many apiaries (bee yards) do you have? _____
3. How long have you been beekeeping? _____
4. How far do you drive to meetings? _____

Ideas for Meeting Presenters or Newsletter Topics

What is your profession? _____

Would you consider assisting CIBA with your skills, if requested? _____

Mail completed form with payment to:

Valerie Just
 CIBA Treasurer
 4609 Crestmoor Drive
 Des Moines, IA 50310

CIBA Leadership and State Organizations

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