



NEWSLETTER

Bowie-Upper Marlboro Beekeepers Association
February 2012 **Volume 32 No. 1**
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www.BUMBAbees.com <http://pets.groups.yahoo.com/group/BUMBABEE/>

Our Next Meeting

Tuesday, February 2, 7:30 PM!

Watkins Park Nature Center

Our next is meeting our first of the year and wake up time for beekeeping. *According to the books* your hives have been in quiet repose for the last three months. *But have they?* This weather is way off base from normal. Now the *Art of Beekeeping* begins! **BUMBA President, Bob Greenwell**, plans to talk about the different strains of honey bee and making spring splits. But you can only make spring splits with live hives. Bring your questions, your concerns and observations about your hives and ask what will it take to survive February and March. The next two months will be very critical for our area. Find out what you need to do, *now!*

The President's Smoker

Happy New Year Beekeepers! I hope 2012 will be a very good year for the bees. We are due for a really good spring flow, and I hope this will be one of those years when the bees are able to fill surplus supers with black locust and tulip poplar honey and all the other delicious floral delights that make local wildflower honey so special. The unseasonal temperatures we have been having are making me long for spring and beekeeping chores. Bees have been flying nearly every day. About a third of my hives and nucs were light in December and have fondant on them, and a few with wet sugar as a comparison. If you haven't tipped up your hives to check

the weight or cracked the lid for a quick peek on one of these 60 degree days, you really ought to check them on the next decent day...50 degrees, sunny, no wind. With the warmer temps the hives are not as tightly clustered and may tend to consume more stores than if it were cold and they were tightly clustered. If you are one of those that feed pollen patties this time of year, be careful. If you fool the hive into building up too soon and we get a severe cold snap as we did 3 years ago in March, 2009, as the cluster contracts there will be a significant brood kill and the cluster could end up withdrawing from stores and starving within inches of food. If you are feeding candy or sugar, and pollen or supplement, you must not let them run out. Be particularly attentive in March, and even early April. I personally had hives that seemed fine in late February 2009, then chimney out and starve by April 1st of that year. We had a mild winter that ended like a lion in March, with sub-teen temps the first 3 weeks of that month. Just be careful and pay attention to what is happening with your bees.

I checked all of my hives yesterday, 60 degrees, calm, sunny, and was pleased to find that all but the 3 nucs I lost in November or early December, are still alive. Eight hives have fondant or sugar on them, and the rest are still pretty heavy with stores. All the nucs but two have fondant or feed honey on them. I think I'll be able to put out 30 nucs this year after the spring splits.

As I write this, I am thinking of the upcoming planning meeting with the other officers and staff. I hope you are all as excited about the coming short course as I am. It is the lifeblood of the club. The influx of newbees is what keeps the club alive and growing...sure, sure there will be some attrition; not everyone will stick with the bees forever. Perhaps they wanted to raise their own honey crop, or perhaps they read an article about the disappearing pollinators, or

perhaps they saw an observation hive at the county fair when they were a child. Whatever attracted their interest, the short course is our way of making a positive influence on someone else's first time experience with keeping bees. We want to help as many as we can to make it beyond those crucial first 2 years. We need everyone's support, whether it is mentoring a new person, doing a presentation, an outreach event, or just attending the regular meetings and sharing your experience. We have a great bunch of people who participate regularly but there is always a need for more help and it appears as though we are going to have a good attendance of new students for this year's spring course. I am hoping to expand and utilize our mentoring partnerships better this year. Will you help a newbie?

David Morris has been in contact with many of the clubs in Maryland concerning the honey definition legislation and there is a morning mixer planned for February 2, 2012 to meet the local beekeepers up with the local legislators. My plan is to attend the mixer representing BUMBA. I'm sure David will address this elsewhere in this newsletter, and can perhaps shed additional light on what's going on, and when can we call honey...well,honey.

Hope to see you at the regular club meeting 7:30 PM, February 2, 2012 at Watkins Park Nature Center. My intention is to talk a bit about the different races and hybrid crosses of bees, and a bit about making those spring splits.

Bob Greenwell

Bees in the News

Maryland Honey Bill

Honey and Bee Day In Annapolis

February 2, MSBA and Maryland Beekeeping clubs "Meet and Greet" to pursue a Maryland Definition of Honey

<http://www.mdbeekeepers.org/localhoney.html>

<http://mlis.state.md.us/2012rs/billfile/HB0159.htm>

by David Morris

The Maryland State Beekeepers Association recently established a policy statement for a definition of honey for its members use. If you attended the MSBA Fall meeting in Annapolis, perhaps you participated in the discussion about the definition.

MSBA has pushed forward in its effort to support a bill to provide a legal definition of the food product "Honey" in Maryland. To this end, MSBA has organized a "Bee Day" reception in Annapolis, through the generous assistance of **Del. Kathy Afzali** of Frederick, the original sponsor of the House Bill 159; this bill is cross-filed with Senate Bill 193, sponsored by **Senator Ronald Young**, also of Frederick.

The "Bee Day" reception will be held February 2, from 9AM to Noon, in the Lowe House Office Building. MSBA is arranging for as many local beekeeping organizations as possible to have representation that day. The reception will include coffee and tea, as well as honey sweetened cupcakes and other treats. The cupcake recipe comes from the White House kitchen and was inspired by the White House Bee Hives, maintained by Montgomery County

beekeeper, **Charlie Brandts**.

It won't be all "tea and crumpets". There will be a number of displays to bring to the attention of our lawmakers the value and importance of your local beekeeping activities to the fabric of Maryland agriculture and environment. BUMBA member **Meme Thomas**, of Baltimore Honey will have a display of urban beekeeping, to show that beekeepers are everywhere, in everyone's district. **Dean Burroughs** of the Eastern Shore Beekeepers will have a display of pollination in Maryland agriculture. BUMBA member **Linda Thompson**, is using the BUMBA display to showcase the number of clubs and their activities to train new beekeepers, to help maintain honey bee populations in Maryland and to be responsible in their new hobby. BUMBA member **David Morris** will have displays about fraudulent honey and explaining what some of the specific language in the bill that is familiar to beekeepers actually means.

A hearing on the House Bill has already been announced for February 8, before the Environmental Matters Committee. We anticipate that **Rep. Afzali** and **MSBA President, Dr. Wayne Esaias**, will speak in favor of the bill, as well as one more invited individual (yet to be determined).

Now is the time for you to make your voice heard in the legislative process. Find out who your state Delegate and Senator are and write them a brief email of support for the **Honey Definition bills, HB159 and SB193**.

The purpose of this bill is to protect the integrity of the word "Honey" in a food product. This is to prevent consumer fraud and to protect beekeepers from being undercut with mislabeled products. The next time you buy honey, wouldn't you like it to actually be "Honey"?

Land preservation in Prince George's County

by Margie Kreitzer

If anyone is interested in helping to preserve small farm acreage in Prince George's County, now is the time to voice your opinion. Preservation of small farm acreage helps preserve green space and environmental diversity, which is all good for bee and beekeepers. Here is the link to the plan:

http://www.pgplanning.org/Projects/Ongoing_Plans_and_Projects/Special_Projects/Priority_Preservation_Area_Functional_Master_Plan.htm

Even though the hearing date has passed there is still time to send a letter supporting the addition of small farmland to the plan. The last date to reply is Feb. 8.

News from "Catch the Buzz", BeeCulture.com

USDA Unveils New Plant Hardiness Zone Map

By Kim Kaplan

WASHINGTON, Jan. 25, 2012--The U.S. Department of Agriculture (USDA) today released the new version of its Plant Hardiness Zone Map (PHZM), updating a useful tool for gardeners and researchers for the first time since 1990 with greater accuracy and detail. The new map—jointly developed by USDA's Agricultural Research Service (ARS) and Oregon State University's (OSU) PRISM Climate Group—is available online at www.planthardiness.ars.usda.gov ARS is the chief intramural scientific research agency of USDA.

For the first time, the new map offers a Geographic Information System (GIS)-based interactive format and is specifically designed to be Internet-friendly. The map website also incorporates a "find your zone by ZIP code" function. Static images of national, regional and state maps have also been included to ensure the map is readily

accessible to those who lack broadband Internet access.

Corn Seed Treatment As Lethal As It Gets For Honey Bees All Season Long, And Long After The Season Is Gone. It Just Keeps On Killing.

By Alan Harman

Frightening new research shows honey bees are being exposed to deadly neonicotinoid insecticides and several other agricultural pesticides throughout their foraging period. The research, published in the scientific journal *PLoS One* says extremely high levels of clothianidin and thiamethoxam were found in planter exhaust material produced during the planting of treated maize seed. The work, which could raise new questions about the long-term survival of the honey bee, was conducted by Christian H. Krupke of the Department of Entomology at Purdue University, Brian D. Eitzer of the Department of Analytical Chemistry at the Connecticut Agricultural Experiment Station and Krispn Given of Purdue.

“Neonicotinoids were found in the soil of each field we sampled, including unplanted fields”, they report. Dandelions visited by foraging bees growing near these fields were found to contain neonicotinoids as well. “This indicates deposition of neonicotinoids on the flowers, uptake by the root system, or both,” the report says. “Dead bees collected near hive entrances during the spring sampling period were found to contain clothianidin as well.”

The researchers also detected the insecticide clothianidin in pollen collected by bees and stored in the hive. “When maize plants in our field reached anthesis, maize pollen from treated seed was found to contain clothianidin and other pesticides; and honey bees in our study readily collected maize pollen. “These results have implications for a wide range of large-scale annual cropping systems that utilize neonicotinoid seed treatments,” the report says. The research was funded by grants from the North American Pollinator Protection Campaign and the Managed Pollinator Coordinated

Agricultural Project.

There have been red flags about pesticide exposure for some time and of the many compounds detected, the neo-nicotinoid group has received the most attention. As a group, neonicotinoids possess several key attributes that have seen their heavy adoption in both agricultural and urban environments, including low vertebrate toxicity and the ability to be translocated by plants.

***Neonicotinoids are also persistent, offering the potential for a large window of activity. The new report says the half-lives of these compounds in aerobic soil conditions can vary widely, but are best measured in months – 148 - 1,155 days for clothianidin.**

Meme Thomas and Baltimore Honey

by David Morris

To the newer **BUMBA** members, **Meme Thomas** may be a stranger, but stick around for a few meetings and meet this beekeeper who has different ideas. We can proudly say that Meme is a graduate of the BUMBA Bee Short Course and a continuing BUMBA member, even though she lives and works in Baltimore. But Meme is not one to let grass grow beneath her feet. It did not take her long to form “Baltimore Honey” www.baltimorehoney.com, a non-profit organization devoted to “Community Supported Apiaries” (CSA). Meme’s idea was to put bee hives in the city, next to schools and community centers, in homeowners’ backyards, so children can learn that bees, too, play a role in our lives, even if it is mostly invisible. By making people more conscious and aware of something like a honey bee, something that returns so much to our world, it should engender a greater awareness, appreciation and sensitivity to the other 99.99% of the living world that is not human.

Again with the new ideas. Meme came up with the Thomas Hybrid Hive, a novel adaptation of the Top Bar Hive that is gaining popularity, by combining it with boxes of Langstroth style movable frames on top. You can see this at www.

<http://thomashybridhive.com/>. To be honest, it is a little crazy looking, but so was the Wright Flyer.

Finally, Meme's heart is always in the right place. Baltimore Honey recently made a donation to the "The Kirinda Youth Environmental Management and Poverty Alleviation Program Uganda", or simply KYEMPAPU, <http://kyempapu.webs.com>. The organization strives to help through planting trees, vocational education, chicken and pig farming, and other beneficial programs. Baltimore Honey has donated a Thomas Hybrid Hive and a beekeeping class to one young man who is a beneficiary of the program.

Congratulations, Meme!

MSBA Winter Meeting

Feb 18, 9:30AM

Howard County Fairgrounds

West Friendship, Md

www.mdbeekeepers.org/meetings.html

Dr. Dennis vanEngelsdorp, keynote speaker.

Dr. vanEngelsdorp is a new member of the UMD Entomology Department, as well as a member of the team leading "Bee Informed", an extension project that endeavors to decrease the number of honey bee colonies that die over the winter by using methods previously applied to epidemiology -- the study of the spread of human disease. Beekeepers will have the ability to both submit their own data and interact with the entire database in order to compare management practices, losses, and successes. Dr. VanEngelsdorp was formerly Acting Apiarist of the State of

Pennsylvania and a founder of the **CCD Working Group** www.beeinformed.org

Dr. Wayne Esaias, newly elected MSBA President, will also present the latest results from the Honeybeenet (honeybeenet.gsfc.nasa.gov) project, which touches not just on climate change but what specific changes might mean for issues such as the northward spread of AHB or how patterns of land use affect beekeeping and pollinator health.

CLUB PROGRAMS

BUMBA has several programs initiated over the years. and we are always looking for members to get involved not only for assistance, but to better your knowledge as well. Please get in touch with a club officer if you would like more information on about a program. Program participation always makes you a much better beekeeper. They are like additional classes for free and serve the beekeeping community in so many important ways.

BUMBA Beekeeping Short Course

Begins March 1st

The **Bowie-Upper Marlboro Beekeeper's Association** (BUMBA) Spring 2012 Beginning Beekeeping Course is scheduled to be held at the Watkins Park Nature Center beginning on Thursday, March 1, 2012 from 7:30-10:00 PM. The course will continue during the same time slot on each succeeding Thursday evening, 3/08, 3/15, 3/22, 3/29, and concludes on April 5, 2012. There is also a full field day on a Saturday at or near the end of the course, date to be announced on or before the first class meeting. Pre-registration is recommended and can be done on-line on the BUMBA web page www.bumbabees.com -just find the link on the membership page.

To date, on-line payment is not available and payment must be

mailed to the club treasure listed on the registration page. Payment may be made at the door the night of the first class. The fee for the 2012 Course is \$40.00 for an individual or \$60.00 for a family ((husband/wife, parent(s)/child (children)). The 2012 short course registration fee also entitles the students to BUMBA club membership for calendar year 2012, a \$15.00 value. The course curriculum is based on The Beekeeper's Handbook, 4th edition, by Diana Sammataro and Alphonse Avitabile (available from Free State Bees). The textbook is not supplied, nor required, but highly recommended, and can be obtained from Amazon.com or most of the bee supply houses such as Brushy Mountain, Mann Lake, Dadant & Sons, or Walter D. Kelley...just google them, but be sure to get the 4th edition, it is well updated over the 3rd edition particularly in the area of bee diseases and pests. The address and directions to Watkins Regional Park are on the BUMBA website.

Hope you can join us for the 2012 Beekeeping Short Course!

2012 Outreach Events

BUMBA outreach events are popular with the public, especially kids, who are fascinated with honey bees and think beekeepers are just amazing people! BUMBA has already received it first event request for 2012, a return to Maryland Day at the Univ. of Maryland, College Park! These events allow us to get the story of our valuable, amazing and beloved honeybees to the public. Remember, if you have attended a short course and opened a hive, you are a beekeeper, and an expert in the eyes of the public! Spend one morning or afternoon sharing what you know about honey bees.

April 28 Maryland Day at University of MD; Nikki Thompson

EDUCATIONAL PROGRAM SPONSORS NEEDED

BUMBA now has several educational events that we host during the course of the year. This is without a doubt the most important activity any grass roots organization can provide. If you

have ever volunteered at one of these events, I am sure you were amazed at how little the general public knew about honey bees and how amazed they were when you answered a couple of their questions. Through these events, we educate the public, grow the clubs in the area and provide for the future of the honey bee and the continued existence of ourselves.

A few of these events are sponsored by our clubs collective effort. Other venues are small enough that a single member could be in charge of it. All that's involved is making initial contact with the location, asking what facilities and supplies they have available (tables, chairs, tents, food, area(s) for slide shows presentations, etc.) getting another club volunteer and doing the show. It's a little bit of work and a whole lot of fun, a great way to spend some time educating the public!

BUMBA Educational Librarian Needed

With all the educational programs we have running throughout the year, it seems prudent to have a club member in charge of overseeing our educational materials. This includes the observation hive, educational billboards, our club displays and other small materials. We need someone centrally located around the Bowie / Greenbelt / Lanham area to house these materials. If you have a little room to store these items where they won't be damaged and can pass them out to our members when they are hosting an event, it would much more convenient for our members instead of driving all the way to my house to pick them up. Thanks, Scott Seccomb.

Electronic Newsletter

As with all organizations cost cutting is always on the table. One way we reduce our expenses is by eliminating the printed newsletter mailed 6 times a year at a cost of roughly \$1 per newsletter. I am sure some of us use it as a reminder to come to the meetings. People who don't have email, of course, continue to receive it. If you are willing to depend on email delivery, please inform our editor, David

Morris, via email. Help keep club \$\$'s in the bank for club activities.

BUMBA Web Site!

Check out the club web site maintained by **Toni Burnham**, www.bumbabees.com. You will find meeting schedules, newsletters, and now have a membership short course application forms and information (payments are still by mail or at a meeting.) *We need content, pictures, ideas, suggestions and help with administration.* If you have any interesting photos to add to the photo gallery, send them with a short description or story to Toni at phang@tonitoni.org. Please be mindful of the file size and resize any large files before you send them.

YAHOO News Group

<http://pets.groups.yahoo.com/group/BUMBABEE/>

Sign up, check it out, see how much help it can really be. Make it better. Add materials. Post questions, photos, links to web pages or files you would like to share with your fellow beekeepers. **Members receive automatic email notices of meeting and the BUMBA newsletter.**

What are Your Bees Doing This Month

by David Morris

Readers are invited to send their beekeeping questions to beefriend@verizon.net

Can anyone recall a stranger, more screwed up winter than this? Cold one day, warm the next. My daffodils, allium, crocuses, and other early plants are pushing up already. My dwarf rhododendron bloomed in December. When is the forsythia coming out?

The bees have to be as confused as we are, only they don't have weather bees tracking temperatures and predicting the future. One day they are out foraging, the next they are clustering, and the day

after that, out to forage again. Talk about confused.

Bob Greenwell told you about his January inspections. Take note. This weather is perilous to our honey bees. For you newer beekeepers who have only a couple of winters under your belt, you are being introduced to the true "Art" of beekeeping, taking what you have read and learned and applying it to a new situation.

Bees have too few brain cells to get very confused. When the days get longer the queen begins to lay eggs. As the cluster expands she lays more. What will happen when the weather drops into the twenties in February and the hive has several frames of brood? Or, what if the weather stays in the forties and queen keeps laying?

The optimal overwintering temperature for honey bees is in the mid-thirties to forty degrees. This is cold enough to keep them in cluster and efficiently conserve honey stores. The temperature is not so cold that they cannot move slowly to unused honey stores, nor so cold that the hive has to expend maximum energy to stay warm. And, it is not warm enough to break cluster and forage. We are not experiencing the optimal honey bee winter regime.

Longer days signal the queen to begin laying. In a tight cluster the queen lays a small number of eggs, not enough to replace all the dying bees, just some. In an ideal world the temperature slowly warms and the cluster expands, making more room for the queen to lay; the hive then expands faster than the die-off. But those hungry baby bees need food, lots of it; stored honey and pollen, if they have it. If not, starvation looms. Every beekeeper needs to check the hive pantry, now! You can do this by a simple hive heft, if you hefted the hive during the fall and know what a heavy hive feels like. Or, you can remove the outer cover on a cold day and shine a flashlight into the hole in the inner cover. How close are those bee faces staring back at you? If they are at the top of the frame they are in dire condition and require immediate feeding. I have uploaded a PDF file "**BUMBA Fondant Recipes.pdf**" to the **BUMBA Yahoo web site**, under "Files>Short Course". I hope it is useful to you.

With an enlarged brood area too early in the season the hives are most certainly going to suffer *chilled brood*. This is just what the name implies. When the temperatures drop the hive cluster will contract. They try to cover the brood, but can't. The brood on the outer edges is abandoned and dies. Expect this also to happen to the package producers. There is nothing you can do here except help the hive afterward by making sure they have the honey, fondant and pollen (substitute) when they need it.

Finally, stress like this takes its toll. Cold nights might freeze moisture from bee respiration inside the hive. Warm days will melt it. Dripping on the cluster causes more stress, in addition to the low food supplies. Foraging too early will cause the winter bees to expend their energy to no avail, weakening the hive even more. Expect an increase in stress related disease. Chalkbrood, European Foulbrood, Nosema, these are stress diseases. This is not to say other diseases might not move in on a weakened hive.

We cannot control the weather, nor even make predictions useful for beekeepers. But we can react appropriately. Check your bees. Feed your bees. Help your bees.

FREE STATE Bee Supply

Your local bee supply dealer

Free State Bees, 2420 Mill Hill Rd, Waldorf, MD 20603-3752

Please email or call if you have any questions.

Please be sure to call ahead to set up a time to visit!

Contact Dave or Laura Polk at 301-580-9313.

As always, thanks for your continued support!

Dave and Laura Polk

Free State Bee Supply
Announcements for 2012

Free State Bees will be able to start taking credit cards in mid-Feb (in addition to cash, check, and PayPal). A new Facebook page should be up and running by the time you read this newsletter. Check us out!

New products for 2012

The *NEW* "The Beekeeper's Handbook", 4th ed., is for sale at \$20 (tax included). List price is \$29.95!

I am selling Bee Garden seeds (the package includes 8 varieties of flowering plants) for \$10. For more info see www.houseofbees.com/products/The-Bee-Garden-Seed-Collection.html

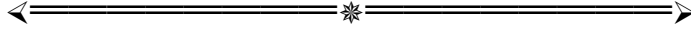
Package Bee Information

Free State Bees is selling packages for early April, 2012, pick-up in Waldorf. I've got 200 packages on order from Hardeman's. A 3lb package with marked Italian queen is \$81, and with a marked Russian queen, it's \$84. I will also be getting individual queens, \$20 for marked Italian and \$23 for marked Russian. To order, please send an email to freestatebees@gmail.com (that's the best way) or leave a voice mail at **301-580-9313**. Be sure to include the number of packages with which type of queen and your name, address, and phone/email contact information.

Please do not send payment until I confirm your order. Payment is by check or cash before March 15th. Send to Free State Bees, 2420 Mill Hill Rd, Waldorf, MD 20603-3752.

I accept PayPal with an additional fee to cover processing. Please email or call if you have any questions.

STORE HOURS: Free State Bees is open by appointment. Please send an email or call to set up a time. I'll have "store hours" in March; please check back in mid-Feb for details.



Dangerous Levels of White Space Found on BUMBA Newsletter

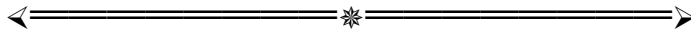
Readers are advised to use caution.

Reading meaning into blank lines may cause confusion, disputes over meaning, and schisms in beekeeping practices. All these unfounded fears can be avoided with your generous contribution of thoughts and ramblings here.

There's always rooms for your article in the ***BUMBA Newsletter***.

Tell us *why you became interested* in beekeeping, or *how your family reacted* to your announcement that you were interested in bees. *What has been the most interesting thing(s) you have learned* from keeping or studying bees (other than the given, beekeepers are all *slightly crazy*)? What has been *your favorite or most memorable experience*?

The editor



One Last Word: DUES are due, again!

Please be sure to send your membership renewal to BUMBA Treasurer, Jutta Dunaway.

Notice of your dues will either be on your label or in your email message

Every club needs a little money to keep it going. Although **BUMBA** is solvent, dues are needed to cover meeting room rental, speakers, refreshments and the newsletter. **BUMBA** has raised its annual dues to **\$15**. So we hope you'll remember to bring your cash or check to the next meeting. Jutta loves to find checks in the mailbox. Send your dues check to:

Mail \$15 to Jutta Dunaway, **BUMBA** Treas., 11814 GALAXY LANE, BOWIE, MD 20715

NAME: _____

ADDRESS: _____

CITY: _____ ST _____ ZIP _____

TELEPHONE: _____ EMAIL: _____

- Check if you are willing to help out with a club activity or program
- Check if you do not want your name and address published in a **BUMBA** member directory.

BUMBA Meeting Location – Watkins Park Nature Center

BUMBA annual dues are \$15. Our regular meetings are held on the 1st Thursday of the even months (except December) at the Watkins Park Nature Center, 301 Watkins Park Drive in Largo. From Route 301 or I-495 take Central Ave. (Rte 214) to the intersection with Enterprise Rd. (Rte 193). Turn south onto Watkins Park Dr. and go ½ mile to the park. Follow the road all the way to the back to the Nature Center. We thank the Nature Center Staff for their assistance. For information about the Nature Center, please call **301-218-6702**

Put these dates on your **2012 BUMBA** Calendar:

February 2, 7:30PM, BUMBA Meeting
 February 18, 9:30 AM MSBA Meeting, Howard County Fairgrounds
 March 1, 7:30PM Bee Class 1
 March 8, 7:30PM Bee Class 2
 March 15, 7:30PM Bee Class 3
 March 22, 7:30PM Bee Class 4
 March 29 7:30PM Bee Class 5
 April 5, 7:30 PM, BUMBA Meeting, Elections & Beekeeping Short Course 6

April 15, 10:00 AM, BUMBA Beekeeping Field Day
 June 7, 7:30 PM, BUMBA Meeting
 June 9, 9:30 AM, **MSBA Summer Meeting**; Univ. of Maryland
 August 2, 7:30 PM, BUMBA Meeting
 October 4, 7:30 PM, BUMBA Meeting
 November ??, 9:30 AM, **MSBA Fall Meeting**, Md. Dept of Agriculture, Annapolis
 December 11, 6:00 PM, Holiday Party

Bowie-Upper Marlboro Beekeepers Association Officers

| | | | |
|------------|---------------|------------------------|----------------------------------|
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