

July 2016

Volume 69 Number 7





Blowing Smoke

By Bob Williams, President

As we approach the first week of July, the spring nectar(honey) flow is starting to wind down a bit. First year beekeepers should not expect to get surplus honey in their hives, but hopefully you will. Your main concern is to get your bees built up into a strong hive in order to make it through the first winter. If you started your hives in April or early May, and you don't have strong hives by now, you may need to requeen. You can harvest your honey, any time after the bees have capped at least roughly 3/4 of a comb, or expand that to be at least roughly 3/4 of your total harvest, as long as you mix it all together. You need to check the moisture content of your honey to make sure that it is around 18% or less, with optimal range of 16-16.9%. The only way to know the moisture content for sure, is to measure the honey with a refractometer. I like to measure the moisture content before extracting, because in my opinion, it is easier to reduce the moisture content while the honey is still in the frames, rather than in a five gallon bucket. You can do this by stacking and criss-crossing your frames, while providing adequate air flow and/or a dehumidifier until you get the right reading. Reducing the moisture content, after you have it in a five gallon bucket, seems to take forever. I have also heard that a florescent light in the area, helps to drive the small hive beetles away. So you really don't want to use a dark closet. Make sure after extraction to put the honey supers back on the bees for them to clean out before you store them. Check your mite load after you harvest the honey.

I want to thank Debbie and Steve DeCaigney for their presentation on the "Missouri State Fair." They provided the dates and details of entering your honey products in the State Fair. They also provided information on how to make creamed honey, and a lot of tips on how to best present your entries. For more information, visit our website under the Resources tab, where you will find "Missouri State Fair 2016 and how to enter", as well as "Making Creamed Honey." Deadline for entries is 5:00PM August 8th. Dean Sanders has offered to take your entries with him, because he has to go down early to setup for the FAIR. You can bring your entries to the August 7th picnic, and Dean will take them from there. Dean Sanders is also looking for more volunteers to help out at the State Fair booth. It is a lot of fun, air conditioned, and you get to pick up free tickets at the hospitality booth before entering the Fairgrounds, which means that you can also enjoy the Fair. Thanks also to Jeffery Maddox for his presentation on "How to expand your apiary through splits and raising queens."It was a very informative discussion, and Jeffery is also providing a PDF copy for our library. You can also visit his website at www.aFutureWithBees.com.

I also want to thank Wes and Wanda Johnston for hosting the Questions and Answer session for the beginning beekeepers before the General Meeting. Come join us, it'll be fun!!!

JULY 2016
GENERAL MEETING

Thursday, July 21, 2016

Bass Pro Shop
Independence MO
6:30 PM
Q&A Session for
Beginning Beekeepers
7:00 PM
General Meeting



AUGUST ANNUAL PICNIC
SUNDAY, AUGUST 7, 2016
2:30 PM
FLEMING PARK
BLUE SPRINGS MO

No August General

<u>Meeting</u>



In case of inclement weather on the day of a meeting, please check our website, Facebook, or call an officer.



www.midwesternbeekeepers.org Member Password is "Smoker"



MidwstnBeekprsA Midwestern Beekeeper's Association Midwestern Beekeepers Association

Members Closed Group



Welcome New Members

Paige Baker Lone Jack, MO

Joshua Reynolds Lees Summit, MO

> W.E. Summer Belton, MO

Josh Frankeberger Family Independence, MO





A swarm in May is worth a load of hay; a swarm in June is worth a silver spoon; but a swarm in July is not worth a fly

Not on the Midwestern Beekeepers Swarm Removal list?

Sign up at the next General Meeting or contact any officer.

www.midwesternbeekeepers.org/beeswarm-removal/



July General Meeting



Thursday, July 21, 2016
Bass Pro Shop at Independence MO

6:30 PM

Q&A Session for Beginning Beekeepers 7:00 PM

Robert Hughes of Jordy's Honey presents

Managing your Honey Supers, Extracting Honey and the Importance of the Correct Moisture Content of Your Honey.

To continue our FREE drawing of door prizes at the end of every General Meeting, we are asking you to bring your donated items for the drawing. Thank You!



Community America Credit Unio for the Month of May	on Transactions 2016
Bank Balance as of April 30, 2016	\$ 13,827.41
Total Receipts Deposited	193.70
Total Expenses Paid (-\$ 0.00 Pending)	-1,454.60
Interest on Savings & Checking Account	.54
Bank Balance as of May 31, 2016	\$ \$12,567.05

A complete report is available under the member's area on the website.



"If you want to gather honey, don't kick over the beehive."

Abraham Lincoln

August Annual Picnic

Sunday, August 7, 2016, 2:30 PM Fleming Park Meeting Hall



NEKBA Funday Honey Ice Cream Recipe

www.nekba.org



Fleming Park Meeting Hall 21906 Woods Chapel Road Blue Springs, MO 64015

Bring your lawn chairs and join us for a time of good food and fellowship at our annual picnic.

Meat, Bread, Drinks and Paper Goods will be provided.

Please bring the following:

Last Name Beginning with A-H

Chips and Dips

Last Name Beginning with I-P

Salad or Vegetable Dish

Last Name Beginning with Q-Z

Desserts

Missouri State Fair entries may be dropped off at the picnic for delivery to the fair.

Refractometers will be available to test a sample of your honey



Vanilla Honey Ice Cream

3 cups light honey

8 eggs

8 cups cream

8 cups milk

Pinch salt

4 TBL real vanilla

Beat eggs & salt-set aside. Warm milk to 160 deg. & stir in the honey. Add a small amount of the milk/ honey mixture to the eggs-mix well. Add this back to the pan with the milk & stir well. Continue to cook & stir until the mixture returns to 160 deg. Remove from heat. Cool (can be refrigerated overnight) Add the cream & vanilla-mix well. Freeze in a 6 qt. Freezer. Hint: Do not add honey to the cold milk & then heat as milk will separate.

Fruit and Honey Ice Cream

6 cups milk

6 cups cream

2 1/4 cups warm honey

Pinch salt

3 TBL vanilla

2-4 cups crushed fruit (strawberries, peaches, etc.)

1/3 cup fruit powder (optional) Warm honey in a double boiler. Combine with milk. Crush fruit & stir in powered fruit. Add remaining ingredients, adding cream last. Freeze.

-Becky Tipton, reprinted from the July 2011, Volume 65, Number 7, **The Bee Line.**



2016 Officers

President

Bob Williams thebeltonbee@gmail.com (816) 331-6634

Immediate Past President

Cathy Misko

cathymisko@earthlink.net

660-656-3485

1st VP/Programs

Tom Britz

tbritz33@gmail.com

816-419-6816

2nd VP/Membership

Wanda Johnston

wi@kc.rr.com

(816) 392-4960

3rd VP/Publicity/Editor

Janice Britz

britzjs@gmail.com

816-419-1327

Secretary

Cindy Connell

Goldwingers2004@yahoo.com

816-732-6579

Treasurer

Wes Johnston

Wi2@kc.rr.com

816-392-4960

Auditor

Robert Burns

rburnshoney@gmail.com

(913) 481-3504

1st Board Member

Laura Fish

ddetailsfish@gmail.com

816-809-1629

2nd Board Member

Dean Sanders

816-456-4683

3rd Board Member

Steve DeCaigney

816-257-5258



Please contact Dean Sanders @ 816-456-4683 to sign up to work the fair booth. You may also visit Dean at the July General Meeting to sign up. It is a fun day and a great opportunity to show our state how valuable honeybees are to everyone.

http://www.mostatefair.com/

Entries into the Apiculture Division, see Section B, Apiculture, Pages 2-3. http://www.mostatefair.com/wp-content/uploads/2016/premium-guide/agriculture-home/agriculture.pdf

For more information, visit www.midwesternbeekeepers.org under the Resources tab, where you will find "Missouri State Fair 2016 and how to enter", as well as "Making Creamed Honey."

Youth scholarship students are required to provide at least one State or County fair entry related to honey or honeybees.

The Missouri State Fair is a great way to complete this requirement and Midwestern Beekeepers will help you. For those beekeepers starting out, entering the Missouri State Fair is a way to bring recognition to your products and help with marketing to your customers.

Entries are made individually or as a group under Midwestern Beekeepers Association. By having members enter under Midwestern Beekeepers Association, our reputation for a quality club with high standards is maintained. We would encourage you to consider entering both as an individual and under our association.

All contest items will need to be brought to the Agriculture Building by 5 PM on Monday, August 8, 2016. The judge will complete the competition judging on Tuesday, August 9, 2016. The fair begins on Thursday, August 11 and will run through Sunday, August 21, 2016. Tuesday is judging day, so no entries will be accepted after 5 th PM Monday, August 8, 2016.

You may take your own entries to the fair on August 8th or Midwestern Beekeepers Association will take your entries for you. Bring your entries to the August Annual Picnic on Sunday, August 7th at Fleming Park in Blue Springs, MO

2016 Officers

Conferences & Events

August 11-21, 2016

Missouri State Fair
Sedalia, MO
Contact
Dean Sanders
(816) 456-4683
to volunteer to work the
Missouri State Beekeepers
Association booth



October 14-15, 2016

2016 Fall Conference
Missouri State
Beekeepers Association
The Lodge of the Four
Seasons

Speaker Randy Oliver www.mostatebeekeepers.org





888



January 10-14, 2017

2017 North American Beekeeping Conference & Tradeshow

Galveston, Texas
San Luis Resort and Galveston Island Convention Center.

www.nabeekeepingconference.com



http://extension.missouri.edu/masterbeekeeper



Librarian

John Martin jmartin98@comcast.net 816-726-6371

MO Beekeepers

Assn. Liaison

Dean Sanders 816-456-4683

Webmaster

Michelle Williams thebeltonbee@gmail.com

(816) 331-6634 Honey Plants

Debbie DeCaigney 816-719-3615

debrats@sbcglobal.net

Hospitality

Rick Messenger Lindarick95@gmail.com

660-827-4489

Nuc Initiative

Stuart Dietz

stuartadietz@aol.com 785-304-5905

103-304-3703

Urban Liaison

Ezekiel A. Amador III zekeamador@aol.com

(816) 612-9030



We are currently seeking volunteers to review our bylaws for: redundancy in provisions; updating or removal of outdated provisions; better clarification of provisions; update the chronological history of the bylaws; and seek input from the membership. To be on the committee you must be a member, have opinions and willing to voice them, able to communicate by email and receive PDF and/or Word/WordPerfect documents. If you are interested, please contact Wes Johnston (816) 392-4960 or at wj2@kc.rr.com. Your assistance is greatly appreciated.

www.midwesternbeekeepers.org Page 5

Honey Plants By Debbie DeCaigney



Useful Resources

By Janice Britz

Chicory is in bloom which makes a yellow colored honey, it is a good nectar source for honeybees.

White sweet clover is also in bloom which is a major source of nectar for honeybees; pollen is yellow to dark yellow in color. Some other flowers that are blooming are sunflowers, black eyed susan, and bird's foot trefoil.





888

Library News By John Martin



Go to: www.midwesternbeekeepers.org/library/;

View the list and make your selections, include the book number from the left column and title.

Contact John Martin at <u>imartin98@comcast.net</u> or 816-726-6371

You must be a member of Midwestern Beekeepers Association to check out books or videos.



Deadline for newsletter submission is the 25th of each month Contact britzis@gmail.com or (816) 419-1327



Download it here:

honeybeehealthcoalition.org/ varroa/



Common Sense Natural Beekeeping Webinar with Kim Flottum, author and editor of Bee Culture Magazine, 6/15/16.

Watch on YouTube here:

https://www.youtube.com/watch? v=IXRum1tQ6Bw



Conversation with a Beekeeper Webinar Series

ican Beekeeping Federation

Join at: http://www.abfnet.org/



The Bee Understanding Project Film Honey Bee Health Coalition

Watch on YouTube here: https://www.youtube.com/watch? v=KBsrvJ2-7xY



http://www.honey.com/



Basic Beekeeping

By Kyle Day

The first week of July usually marks the end of our spring nectar flow but with the rain we have gotten our flow may extend past that. In the month of July, we will start harvesting honey. If you keep up with beekeepers on Facebook, you will notice some have already started. If your hive is only two deeps or 3 mediums do not take any off. I always tell first year beekeepers that you most likely will not get surplus honey because you want your hive to build up and be strong for the first winter. Harvest your honey after the bees have capped $2\3$ to $3\4$ of a comb. You can do this to the entire harvest as long as you put it all in one container like a five-gallon food grade bucket and mix together. The only way to tell for sure that your honey is ready is to use a Refractometer which you will want it to read 18% or lower (honey with a moisture content below 17.1% does not ferment) I have done it both ways and have not had a problem but I like to use a refractometer just to be safe and there are a lot of club members that own them so you should be able to find one to borrow. For bottling honey, I use five gallon buckets with a tap on the bottle, then use plastic honey bottles. If selling honey, always use a brand new food grade container. I order my own labels from vistaprint.com but bee supply companies sell labels too. Always put your name and contact information so if you sell to someone you don't know, they can contact you to buy more. But you may not want to put your address so you don't have people showing up at your home. A phone number and\or an email will work just fine. After I extract, I like to put supers back on the hive for the bees to clean up before storage. Separate dark combs from supers because wax moth will only go after the dark comb. After the supers are off, I like to check and treat for mites and evaluate overall hive health. Be careful because the bees will be testy during this time because of no flow so they will be overprotective of their hive and population will be at a high. Mowing close to your hive can be a challenge so be safe and wear your veil and make sure your exhaust is not going towards your hive or bad news is sure to come to you. Have fun with keeping your bees but don't forget to drink lots of water if you're checking your bees on those hot days!

What is the best storage temperature for honey? Processed honey should be stored between 64-75°F (18- 24°C).1 Honey can be exposed to higher temperatures for brief periods; however, heat damage is cumulative so heat exposure should be limited. It is best to minimize temperature fluctuations and avoid storing honey near heat sources. The recommended storage temperature for unprocessed honey is below 50°F (10°C). The ideal temperature for both unprocessed and processed honey is below 32°F (0°C). Cooler temperatures best preserve the aroma, flavor and color of unprocessed honey. www.honey.com/images/downloads/shelflife.pdf



The term, 'hygienic', when used to describe honey bees refers to the tendency of some families of bees to identify and remove diseased and dead larvae and pupae from the brood comb and the hive much more accurately and promptly than the norm. Hygienic behaviour is an easily identified characteristic that can be easily found and quickly reinforced in any strain of bee stock by selective breeding. Although the expression of this characteristic by any given hive of bees varies somewhat with time and circumstances, there is a standard quantitative test which is now routinely used to determine whether a specific hive of bees is deemed 'hygienic' -- or not.

http:// www.honeybeeworld.com/ misc/hygienic.htm#Here



www.midwesternbeekeepers.org Page 7

MARKETPLACE



Crooked Hill Beekeeping, LLC.

Bill and Tammy George 19133 LIV 355 Chillicothe, MO 64601 (660)214-0132 www.chbeekeeping.com

Open by appointment most days. Store is located on our farm; early, late and weekend hours are available.

Packaged bees and NUCs available in the spring. Locally manufactured high quality woodenware in stock.

We offer a complete line of beekeeping supplies and equipment. Including: Woodenware (assembly and painting available), frames, foundation, smokers, tools, bee suits, Bug Bafflers, veils, books, feed supplements, honey containers, extracting equipment, NUC boxes, materials to build your own hives.

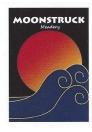


Fisher's Bee Supplies

Ed Fisher 4005 N.E. 132nd Street Smithville, MO 64089 816-532-4698

Monday through Friday from 9 am to 5 pm Saturdays after 8:30 am Call in advance to make sure we are here.

We carry a complete line of beekeeping supplies. See us for your woodenware, smokers, containers, foundation, extractors, beekeeping books, queens and package bees. We also have extractors for rent. We will trade your wax for supplies.



Moonstruck Meadery

"World Class Cider & Meads"
Brian Schlueter

President

brian@moonstruckmead.com 1006 W. 24 Ave, Bellevue, NE 68005 Tel: 402.871.5858 Fax: 402.779.8445 www.moonstruckmead.com

Jim Fisher 816-918-6648

Do you need your honey supers extracted? Contact Jim for custom extracting.

Heartland Honey and Beekeeping Supplies

Joli Winer and Cecil Sweeney 19201 S. Clare Rd Spring Hill, KS 66083 (913) 856-8356

joli@heartlandhoney.com

Monday through Friday (closed Wednesday) from 10:30 am to 5:30 pm and by appointment.

We appreciate when you call your orders in ahead.

We carry a complete line of beekeeping supplies including woodenware, smokers, extractors, books, queens, package bees and containers. We will trade wax for supplies.

Bee Culture

The Magazine of American Beekeeping

Jordy's Honey

Robert Hughes 12333 Wedd Street Overland Park, KS 66213 913-681-5777

www.beekeepers.com

Monday through Friday 8 am to 6pm Weekends by appointment.

Please call in advance so we can have your supplies ready when you arrive. We carry a full line of beekeeping supplies. Bee hives, supers, frames, foundation, honey containers, smokers, beekeeping books, queens, packaged bees and much more.



www.beeculture.com

(800) 289-7669



American Bee Journal: (217) 847-3324

AMERICAN You Save 25%!	Association Member Subscription (Rates listed below are 25% below regular rates.)
BEE JOURNAL New Renew Prices good through Dec. 31, 2 Return white copy to: American Bee Journal, 51 S. 2nd St., Hamilton, IL 62 Retain yellow copy for your records.	016
Subscriber's Name	Association Midwestern Beekeepers Association
Address	Secretary's Name_Wesley Johnston, Treasurer
Address	Address 401 NW Heady Avenue
City, State, Zip	Address
Phone	City, State, ZipFerrelview, MO 64163
Email	Phone(816) 392-4960

Midwestern Beekeepers

Refractometer Basics

By Janice Britz



Mr. Roger Nichols and one of his many swarm hives in his backyard.

—Terry O'Bryan



Some of the honey we extracted yesterday. Great flavor and moisture content. –Stuart Dietz







Youth Scholarship Student Allison Bruce extracting honey with mentors Jim & Cindy Connell.



Ezekiel A. Amador III presented to summer camp students, age 10-14, at the Tony Aguirre Community Center and at the Urban Grow Tour. Both events were at the Irene H. Ruiz Branch of the Kansas City Public Library, 2017 West Pennway Street, Kansas City, MO. http://urbangrowntour.com/Main/farm/6

Why is it important to check the moisture content of your honey? According to *Shelf Life & Stability of Honey*, www.honey.com/images/downloads/shelflife.pdf, "The most important cause of fermentation in honey is the increase in its freewater content. Honey with a moisture content below 17.1% does not ferment. The stability of honey with a moisture content > 17.1% depends on its microbial content.

To check your moisture content, you will need a refractometer. You should always read the directions that come with your device, but here are some basic steps to use one correctly and to get as accurate a reading as possible.

- 1. Calibrate the device with distilled or deionized water
- Put a drop of honey on the prism
- 3. Close the trap door that flattens the specimen
- 4. Focus the eyepiece
- 5. Read the scale
- After you have extracted, make sure the container of honey from which your sample comes is well-mixed.
- 7. Take multiple readings, and average the readings, especially if you are sampling in the comb.

Advanced Beekeeping Workshop Pests and Disease Diagnostics

By Janice Britz

Six members of the Midwestern Beekeepers Association attended the Advanced Beekeeping Workshop held by the University of Nebraska-Lincoln, in the Agricultural Research & Development Center on June 25, 2016.

Dr. Judy Wu-Smart, University of Nebraska-Lincoln, entomology.unl.edu/faculty/dr-judy-wu-smart presented the workshop and was assisted by her husband, Dr. Matthew Smart, Wildlife Biologist with the USGS Northern Prairie Wildlife Research Center, www.npwrc.usgs.gov The morning was spent in the classroom learning about the 3 key steps of Integrated Pest Management. That afternoon we had hive inspections and the opportunity to examine various pests and pathogens through microscopes and visual inspection.



Dr. Judy Wu-Smart demonstrates the Powdered Sugar Roll Method to test for varroa mites. Monitoring of varroa mites should be done in early spring (April-May), and twice in late fall (August/September and again in October.) Testing should be done on a frame containing brood (look for your queen) and collect about 1/2 cup of lightly packed bees (300 bees) by tilting the sampling cup (she suggested a juice box container) downwards over the back of the bees. Place the bees in a mason jar with a mesh cap and add 2-3 Tablespoons of powered sugar. Set the jar out of the sun for a 1-3 minutes then invert the jar and shake out the loose sugar from the bees into a white container filled with water. Count the number of dislodged mites. Release the bees back into the hive.

Count the number of mites collected, divide by the number of bees in the sample and multiply by 100. For example, if a beekeeper collected 15 mites, then: $15 \text{ mites} \div 300 \text{ bees} = 0.05 \times 100 = 5\%$ (or 5 mites per 100 bees)

The 3 key steps of IPM are:

1. Awareness

- -Know your pest and pathogens
- -Recognize signs and symptoms
- -Write it down

2. Prevention

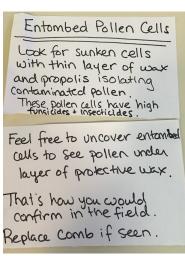
- -Avoid getting and spreading pests and diseases
- -Monitor pest levels and diseases
- -Select bees that demonstrate some resistance

3. Action

- -Identify threshold levels
- -Use cultural, mechanical or nonchemical control alternatives
- -Use chemical treatments as last resort.

Dr. Wu-Smart graciously allowed me to share information that she gave with our members of the Midwestern Beekeepers Association. One tool she handed out was the hive inspection data sheet that can assist you in your hive inspections and developing your own IPM.







HIVE INSPECTION DATA SHEET

2016 Introduction to Beekeeping Field Day

Added deeps No Yes #: Split hive No Yes New hive #: arming potential No Yes New hive #: Medium (Intermittent/random) Poor (Spotty) Medium (Intermittent/random) Poor (Spotty) No Yes Comments: No Yes Color: No Yes Date: IS: No Yes Date: No Yes Chalkbrood Small Hive Beetles Deformed Wing Virus IFB) No Yes Chalkbrood Small Hive Beetles Deformed Wing Virus	Hive obtained from: Date Established: HIVE TEMPERAMENT: POPULATION: Estimated #:	Calm Frames covered	Nervous	Yard ID: Hive ID: Aggressive Total boxes:	Insp Insp Need to requeen	Inspection Date: Inspector: Inspection Date: Inspection Date: Inspection Date: Inspection Date: Inspection Date: Inspection Date: Inspector: In	Weather condition: # mites/300 bees: # mites/200 bees:		ndition:
ning potential No Yes Medium (Intermittent/random) No Yes Comments: No Yes Color: No Yes Date: No Yes Average: 30-100 High: 100+ No Yes Chalkbrood Small Hive Beetles Deformed Wing Virus No Yes		eps			# #	Treatment needed?:		z	No Yes
Medium (Intermittent/random) Medium (Intermittent/random) No Yes No Yes No Yes Comments: No Yes Color: No Yes Date: Population In Peak Populat Population D Population D Screened bot Powdered su, Drone cell for Other: MEDICATION Added- Date: # No Yes Chalkbrood Small Hive Beetles Deformed Wing Virus FERB) AFBI AFBI AFBI Removal- Date: Removal- D	Swarming			Yes		Treatment threshol	ds b	ds by phase (Number	nites
Medium (Intermittent/random) Medium (Intermittent/random) No Yes No Yes Comments: No Yes Color: No Yes Dormant wit Population Ir Peak Populat Population D Screened bot Powdered su Drone cell for Powdered su Drone cell for Added- Date: # MEDICATION Added- Date: Apistan Fumagilin-B Oxalic Acid Other: AFB) AFB) AFB) AFB AFB AFB AFB	Ñ.					Colony Phase			Acceptable Ca
No Yes Comments: No Yes Color: No Yes Color: No Yes Date: Population D Peak Population D Powdered Sultivity Drone cell for Other: MEDICATION Added- Date: Apistan Fumagilin-B Oxalic Acid Other: Deformed Wing Virus Brood (AFB) Removal- Date: Removal- Date:	orm & solid)	Medium (Intermit	tent/rand	dom)	Poor (Spotty)	Dormant without brood	700		rood <u><1</u> <2-3
No Yes Comments: No Yes Color: No Yes Color: No Yes Date: No Yes Population D NTEGRATED Screened bot Powdered su; Drone cell for Other: Added- Date: Apistan Fumagilin-B Chalkbrood Small Hive Beetles Deformed Wing Virus Brood (AFB) Removal- Date	IGHT:					Population Increase			S 🗅
No Yes Color: No Yes Date: Screened bot Powdered sulph: 100+ Average: 30-100 High: 100+ No Yes Average: 30-100 High: 100+ No Yes Added- Date: Chalkbrood Small Hive Beetles Deformed Wing Virus No Yes Removal- Date:	esent		les (Comments:		Population Decrease		 	\$2 \$3
e Average: 30-100 High: 100+ No Yes No Yes Chalkbrood Small Hive Beetles Deformed Wing Virus 8)	marked Replaced		les les	Color: Date:		INTEGRATED PEST MAN Screened bottom board	a A	ANAGEMENT (IPM)	PEST MANAGEMENT (IPM) ACTION: tom board
# No Yes No Yes Chalkbrood Small Hive Beetles Deformed Wing Virus 1FB)	VE DRONE CELLS: opulation Estimate		6			Powdered sugar mite drop Drone cell foundation Other:	n e dr		e drop Added- Date:
No Yes Chalkbrood Small Hive Beetles Deformed Wing Virus	QUEEN CELLS: Along frame bottom: # Converted worker cell: #					MEDICATIONS: Added- Date: Apistan Fumagilin-B		Apiguard Terramycin	Apiguard Mite Away II Terramycin Tylan
Deformed Wing Virus	E/PESTS: Mites	Yes alkbrood	Small Hive	Beetles		Oxalic Acid Other:		Thymol	Thymol Hops
	an Foul Brood (EFB)	Deformed Wing V	/irus			Removal- Date:			

Idiopathic Brood Disease Syndrome (IBDS) Other:



Wanda Johnston 401 NW Heady Avenue, Ferrelview MO 64163-1413 ADDRESS SERVICE REQUESTED

General Meeting

Thursday July 21, 2016
6:30 PM
Q&A Session for
Beginning Beekeepers
7:00 PM
General Meeting
Bass Pro Shop
Independence MO

August Annual Picnic

Sunday, August 7, 2016, 2:30 PM Fleming Park Meeting Hall 21906 Woods Chapel Road Blue Springs, MO 64015

2016 General Meeting Dates

Thursday, September 15th, 7:00 PM Thursday, October 20th, 7:00 PM Sunday, November 13th, 2:30 PM December Potluck, TBA

Remaining 2016 Value Added Meetings suspended due to low attendance.

Non-Profit Organization

U.S. POSTAGE PAID Warrensburg, MO 64093 Permit No. 16