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Kansas Insect Newsletter

For Agribusinesses, Applicators, Consultants, and Extension Personnel

Department of Entomology
239 West Waters Hall
K-State Research and Extension
Manhattan, KS 66506-4027

Tel: 785-532-5891
Fax: 785-532-6258



May 11, 2007 No. 11

Mid-Con is now Heartland Honey and Beekeeping Supply (modified from The Bee Buzzer, May 2007)

In the May 2007 copy of "The Bee Buzzer" (the Northeastern Kansas Beekeepers' Association newsletter) was an article about Mid-Con in Olathe downsizing. As of May 1, their new name is Heartland Honey and Beekeeping Supplies. They will no longer be selling candle and soap making supplies, nor the extensive line of glass and plastic jars they've carried in the past. They will continue to carry Queenline jars, bears, and honey jugs.

They have the new name and will still be carrying beekeeping supplies, hours will be: 10:30-5:30 Monday, Tuesday, Thursday and Friday
Closed Wednesday and by appointment

Here's their current information:

Heartland Honey and Beekeeping Supply
19201 S. Clare Rd.
Spring Hill, KS 66083
913-856-8356
joli@heartlandhoney.com

Northeastern Kansas Beekeepers' Super Funday (modified from The Bee Buzzer, May 2007)

FUN FOR ALL!!

The Northeastern Kansas Beekeepers' Association's Funday is Saturday, June 2nd, 9:00

am – 5:00 pm, at the Douglas County Fairgrounds located at 2110 Harper, Lawrence, KS.
Cost is \$18.00 per person if pre-registered, \$25.00 at the door.

This is a hands on learning session with a terrific line-up of guest speakers including:
Dr. Chip Taylor, University of Kansas, Kansas bee expert
Gary Reuter, University of Minnesota Apiculture scientist
Ginger Reuter, craftswoman
Nick Aliano, University of Nebraska-Lincoln apiculture program
Jeremy Wagnitz, University of Nebraska-Lincoln apiculture program
Dr. Tom Webster, Kentucky State University Apiculture Research and Extension

Bring a hat & veil! Hands-on Workshops available! See the attached flyer for complete details and registration form.

For more information or to pre-register, contact Joli Winer at 913-856-8356 or joli@heartlandhoney.com

Northern Kansas Beekeepers' Super Funday

Saturday, June 2nd, 2007 Registration: 8:00-8:45, Program 9:00-5:00

Douglas County Fairgrounds, 2110 Harper, Lawrence KS

Cost: \$18.00 per person for those pre-registered, \$25.00 at the door,
Children under 5 free, ages 6-18, \$7.50 for those pre-registered, \$10.00 at the door.

For those pre-registered, by May 26th, there will be a drawing at the end of the Funday to

reimburse 1 (one) pre-registered person for their registration!

Fee includes lunch, beverages, snacks & homemade ice cream and a full day of fun!

Donuts donated by the Midwestern Beekeeper's Association!

Bring your hat & veil—we'll be working through some hives

For more information contact Joli Winer at 913-856-8356 or

joli@heartlandhoney.com

Our Special guests will include:

- ◆ **Dr. Chip Taylor, University of Kansas.** Dr. Taylor is an entomologist and a professor of Ecology and Evolutionary Biology.

- ◆ **Gary Reuter** holds the position of Scientist in Apiculture at the University of Minnesota. He has been there since 1993. He also teaches courses in short-courses in Honey Bee Management and Queen Rearing.
- ◆ **Ginger Reuter** is a craftswoman extraordinaire.
- ◆ **Nick Aliano** is a research assistant for Dr. Marion Ellis at the University of Nebraska. He's working on his Doctorate.
- ◆ **Jeremy Wagnitz** has a Bachelor of Science in Horticulture and a Minor in Entomology from the University of Nebraska, Lincoln.
- ◆ **Dr. Tom Webster.** is at Kentucky State University in 1988 with responsibilities in apicultural research and extension

Hands-on

Workshops:

<i>Colony</i>	<i>Collapse</i>	<i>Disorder</i>	<i>(CCD)What</i>	<i>we</i>	<i>know</i>
<i>Collecting,</i>	<i>cleaning</i>	<i>ands</i>	<i>Selling</i>	<i>Pollen</i>	
<i>Finding</i>	<i>the</i>	<i>Queen</i>	<i>&</i>	<i>Marking</i>	<i>Her</i>
<i>Removing</i>	<i>Honey</i>	<i>from</i>	<i>the</i>	<i>Hive</i>	
<i>In Hive</i>	<i>Basics,</i>	<i>finding</i>	<i>eggs,</i>	<i>larvae,</i>	<i>working</i>
<i>Assembling</i>			<i>Equipment</i>	<i>through</i>	<i>a</i>
<i>Making</i>	<i>Spring</i>	<i>Nucs</i>	<i>&</i>	<i>Requeening</i>	<i>Hives</i>
<i>Installing</i>	<i>a</i>		<i>package</i>	<i>of</i>	<i>bees</i>
<i>Keeping</i>	<i>an</i>		<i>observation</i>		<i>hive</i>
<i>Queen</i>	<i>Rearing</i>	<i>* Bee</i>	<i>Lining</i>	<i>* Making</i>	<i>Mead</i>
<i>Testing</i>	<i>bees</i>	<i>for</i>	<i>Varroa</i>	<i>& Various</i>	<i>treatment</i>
<i>Using</i>	<i>Oxalic</i>	<i>acid</i>	<i>to</i>	<i>control</i>	<i>mites</i>
<i>Preparing</i>	<i>Entries</i>		<i>for</i>	<i>the</i>	<i>fair</i>
<i>Recordkeeping</i>	<i>using</i>	<i>Excel</i>	<i>*</i>	<i>Soap</i>	<i>Making</i>
<i>Testing</i>	<i>your</i>	<i>bees</i>	<i>for</i>	<i>hygienic</i>	<i>traits</i>
<i>Beginning</i>	<i>Beeswax</i>	<i>&</i>	<i>Advanced</i>	<i>Beeswax</i>	<i>* Making</i>
					<i>Baklava</i>

** Batik * Lip Balms & Lotion Bars*

<p>Swarm Demonstration will be presented by Dr. Chip Taylor from K.U.</p>
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Bee Supplies will be available

Dadant & Sons, Hamilton IL will be setting up a booth and will deliver items to you as space allows. Call Gabe Dadant ant 217-847-3324.

Heartland Honey and Beekeeping Supplies will bring pre-ordered items but won't be setting up a booth. Call Cecil at 913-856-8356 to place an order.

Door Prizes: The swarm from the swarm demonstration will be given away in a single hive. There will be door prizes from supply dealers. You must be present to win and you must fill out an evaluation form to win any door prizes.

We are tentatively planning on having a youth workshop for children ages 8 & up.

Motels that are in Lawrence:

Bismarck Inn, I-70 exit 204, 785-749-4040

Best Western, 2309 Iowa, 785-843-9100

Hampton Inn, 2300 W. 6th, 785-841-4994

Silent Auction to benefit the Ernie Miller Nature Park Honey Bee Exhibit

Directions to the Douglas County Fairgrounds: Take K-10 to Harper Street, go north 2 blocks the Fairgrounds. We have the whole fairgrounds rented. Harper Rd. is on the east edge town and there is a directional sign to the Douglas County Fairgrounds.

Northeastern Kansas Beekeepers' Association Registration Form 2007 Beekeeping Super Fun Day, Saturday June 2nd

Name _____

Address _____

City, State,
Zip+4 _____
—

Phone

Email
address _____

I am a member of the Northeast KS Beekeepers
 I am **not** a member of the Northeast KS Beekeepers

Club Membership ½ year \$7.50 (membership not required)

Registration for Funday:

Adults \$18.00 per person (\$25.00 at the door)

*Registration includes admission to the Funday, lunch, drinks, handouts, and an afternoon snack of homemade honey ice cream
There will be an alternative meal available at lunch for vegetarians.*

Youth 5 and under free
Youth (8 and up) \$7.50 each (\$10.00 at the door)

(A youth (ages 8 & up) workshop is tentative at this time please be advised that a parent May be asked to accompany the child to the workshop) It will be limited to 12 pre-registered children.

Names and ages _____

Donation

Total
\$ _____

Please send your check, made out to “Northeast KS Beekeepers” and this form to:
Robert Burns, 7601 W 54th Terr., Shawnee Mission KS 66202
913-831-6096 email rburns@kc.rr.com

Pre-registration form must be in by May 26. Since your registration fee includes lunch, pre-registration helps with our planning. You must be paid in advance to get the pre-registration rate. If your registration is not postmarked by May 26th you will be charged the balance on June 2nd. Also to be eligible for the drawing for the reimbursement of registration you must have pre-registered. Thank you.

For more information call:
Becky or Steve Tipton: 785-484-3710
Joli Winer or Cecil Sweeney: 913-856-835

**NORTHEASTERN KS BEEKEEPERS' ASSOC. 2007 MEMBERSHIP
APPLICATION**

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP+4 _____

PHONE _____ Email
address _____

Membership Northeastern KS Beekeepers per year (\$7.50 July-Dec.) \$15.00

Additional family members wanting voting rights \$1.00 per person \$1.00

Additional Family members names _____

(Only one newsletter will be sent)

Youth Membership (18 years of age or under)
\$7.50 _____

Membership for Kansas Honey Producers Assn.
\$15.00 _____

American Bee Journal 1 year
\$18.70 _____

Bee Culture Magazine (formerly "Gleanings") 1 year
\$19.00 _____

Donation

Total

Make checks payable to: Northeastern Kansas Beekeepers' Assn.

Mail To: Robert Burns, 7601 W 54th Terr., Shawnee Mission KS 66202 913-831-6096 email
rburns@kc.rr.com

Consider a Beekeeping Organization Membership

With all of the latest honey bee ailments during the last several years, including small hive beetle, Africanized Honey Bee movement resurfacing, varroa mite pesticide resistance issues and now Colony Collapse Disorder (CCD), beekeepers, whether hobbyist or professional, more than ever need to be connected and current on new threats to their hives.

Consider membership in one of the state's beekeeping organizations! Attached find the membership applications for the Northeast Kansas Beekeepers Association and the Kansas Honey Producers' Association. Benefits can be limitless...including access to other beekeepers as contacts, information, great speakers at meetings, exchanging ideas and information, and libraries of references.

You may also have other local groups in your area. Being connected to other beekeepers who may have similar interests (or problems) can be crucial to finding solutions.

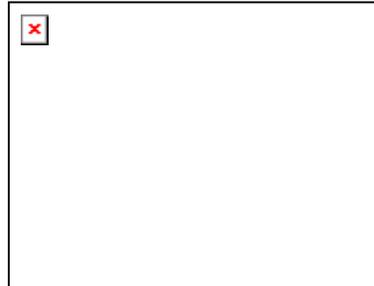
Welcome! Kansas Honey Producers' Association

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP+4 _____ - _____

PHONE _____ E-MAIL
ADDRESS _____



Membership for 2007 Kansas Honey Producers' Assn: Renewal New
\$15.00 _____

Youth Membership (18 years of age or under) Renewal New
\$7.50 _____

Additional Family members names _____ (Only one
newsletter will be sent)

American Bee Journal: 1 year **\$18.70**_____ or 2 years **\$35.40**_____ ()
Renewal () New

Bee Culture Magazine: 1 year **\$19.00**_____ or 2 years **\$36.00**_____ ()
Renewal () New

Speedy Bee: 1 year **\$13.60**_____ or 2 years **\$25.60**_____ ()
Renewal () New

Donation

\$_____

Total

\$_____

Please make your check payable to: Kansas Honey Producers' Assn or KHPA.
Mail To: Robert Burns, 7601 W 54th Terr.,
Overland Park, KS 66202 913-831-6096 email rburns@kc.rr.com

Thank you!

Notice to all Home Termite Inspectors

House Bill 2268 becomes effective July 1, 2007. This bill requires ANYONE who does termite inspections for real estate transactions to be a certified commercial pesticide applicator for wood destroying pests (Category 7A), regardless of whether they will ever make a pesticide application or not. The exams required for this certification are the General exam and the 7A exam (Wood Destroying Pests). For a current exam schedule check the KDA website at:

http://www.ksda.gov/pesticides_fertilizer/search/?p=1&search=exams

This bill also requires that effective July 1, 2007, persons conducting inspections for termites must be a certified applicator. This also means that registered technicians can NO LONGER conduct inspections "under the supervision" of a certified applicator.

For applicators working the Kansas-Missouri state line area, this will not be such a large change, as Missouri already has this requirement.

If you have any questions, please contact Sharon Dobesh at 785-532-4748, or the KDA Pesticide Program at 785-296-3786.

Sharon Dobesh

2007 Bagworm Hatch

The 2007 bagworm hatch is imminent both calendar-wise (traditionally mid- to late May) and according to accumulated GDD's (700 – 800). It is virtually impossible to detect the newly-emerged larvae which are only 1mm long. Some larvae become evident **if and when** they “hang” at the end of a very fine silken thread. But many larvae proceed to directly build their bag after which they begin their actual feeding phase. As their activities progress, additional bagworm information will be presented in subsequent newsletters.

Holes In potato leaves ---- Potatoes were set back due to newly-emerged foliage being frozen back by the earlier frigid weather. While current “new growth” is lush, some people are concerned about the appearance of foliar feeding. Be sure to accurately identify the culprits. While lady beetles have chewing mouthparts, they **are not** foliar feeders.



"nibbles" and small holes



Lady beetle "not guilty"

Rather, shothole “nibbles” and small holes are caused by two different pests: flea beetles and small grasshoppers.



Grasshopper nymph and Flea beetle

Both types of feeding are inconsequential at this time of year because rapid foliar growth keeps ahead of feeding damage. However, gardeners may feel the need to eliminate foliar feeders and can do so with any number of insecticides registered for use against garden pests.

Disappearing foliage which is of more concern can be attributed to Colorado potato beetles and their larvae. Populations of overwintered Colorado potato beetles generally are sparse and, per se, do little feeding damage. However, because each female Colorado potato beetle may produce up to 500 eggs (clusters may have 40 eggs), larval populations can be high.



Colorado potato beetle



Colorado potato beetle egg cluster

Larvae **ARE A SERIOUS CONCERN**, especially when larger as they approach the end of their feeding cycle and consume increasing amounts of foliage.



Colorado potato beetle larvae

Frequently inspect plants for the presence of the highly visible pinkish larvae, and eliminate with properly registered insecticides.

Bob Bauernfeind

What is in the bites of flies and mosquitoes?

When we learn of the battle going on at the host's skin between blood-sucking insects and their vertebrate hosts, we are surprised at the complexity of the battle tactics and weaponry utilized, and we must conclude that robbing a full bloodmeal from the host is no easy task. Over the eons of evolutionary time, blood-sucking insects have developed as stealth warriors by modifying their mouthparts into slender weapons to minimize the pain associated with puncturing the skin tissues. However, this evolutionary selecting force can't go to an extreme as other selecting forces act against it; namely, the smaller the mouthparts diameter, the longer it takes to fill up, thus the longer the parasite is dangerously exposed to the defensive behaviors of the host.

The initiation of tissue penetration by the parasite's mouthparts signals to the host the beginning of battle. The host rushes defenses to the battle site to prevent loss of blood, using the same protective mechanisms used in dealing with any other type of wound bleeding: platelet aggregation, blood clotting, and vasoconstriction, the three factors working in unison in a process termed hemostasis. Inflammation and immunity, two other processes involved in the biting event, are time-delayed and of greater consequence to parasites that remain attached while feeding for long periods of time, such as ticks. Hemostasis is of significant importance to blood-sucking insects; consequently, they have acquired a series of weapons to counteract this three-pronged host defense. Upon initiation of the chemical warfare, insects inject saliva into the forming wound which lubricates the mouthparts and has a complex chemical mixture. Thus, almost every blood-sucking insect studied has been found to carry anti-platelet, anti-coagulant, and vasodilator compounds in their saliva; sometimes more than one of any of these classes of compounds. In addition to these compounds, blood-feeding insect saliva may carry pain killing substances.

Some of these compounds are potent chemicals intensively studied today for their potential application in human and animal health; for instance, saliva of a tropical sandfly carries maxadilan, the most potent vasodilator known yet. Thus, we may in the long run derive some benefits from the constant battle between vertebrate hosts and their blood-sucking insect parasites.

Alberto B. Broce

Information summarized from various sources, especially from: Lehane, M. 2005. The biology of Blood-Sucking in Insects. Cambridge Univ. Press. 321p. Ribeiro, J.M.C. & M.B. Francischetti. 2003. Role of arthropod saliva in blood feeding. Ann. Rev. Entomol. 48: 73-88

Brand names appearing in this publication are for product identification purposes only. No endorsement is intended, nor is criticism implied of similar products not mentioned.

Sincerely,

Robert J. Bauernfeind
Extension Specialist
Horticultural Entomology

Sharon Dobesh
Pesticide & IPM Coordinator

Alberto Broce
Livestock Entomologist