



Horticultural Inspection Society Central States Chapter

Making Professionalism a Part of Every Effort

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**35TH CENTRAL CHAPTER HORTICULTURAL
INSPECTION SOCIETY MEETING
MONDAY, OCTOBER 17TH THROUGH THURSDAY,
OCTOBER 20, 2005 LIED LODGE & CONFERENCE
CENTER NEBRASKA CITY, NEBRASKA**

Julie Vanmeter - Nebraska Department of Agriculture

Plan to attend the upcoming meeting of the Central Chapter of H.I.S., hosted by the Nebraska Department of Agriculture, at the Lied Lodge and Conference Center, in Nebraska City.

The Lied Lodge and Conference Center is located on the 260-acre Arbor Day Farm, once part of the original estate of J. Sterling Morton, founder of Arbor Day. The meeting rooms are state of the art; the food wonderful; and the rooms very comfortable. Amenities include a fitness center, Olympic sized heated indoor pool, whirlpool and sauna. The lodge is heated and cooled with renewable fuelwood, grown in part in Arbor Day Farm's own fuelwood plantation. It uses water-saving technologies, a comprehensive recycling plan, and environmentally friendly building materials throughout the Lodge. Visit www.liedlodge.org for more information on the Lied Lodge and Conference Center.

A wide variety of speakers and topics are on the agenda this year. Speakers include Dr. Tom Powers, nematologist with the University of Nebraska-Lincoln (UNL). Dr. Powers is a nationally recognized nematologist, who oversees the processing of soil samples submitted as part of the Cooperative Agricultural Pest Survey (CAPS) area-wide nematode surveys. He will present information on foliar and soil nematodes.

2005 Meeting continued on page 4

MEMBER STATES

Illinois,
Indiana,
Iowa,
Kansas,
Kentucky,
Michigan,
Minnesota,
Missouri,
Nebraska,
North Dakota,
Ohio,
South Dakota,
Wisconsin

LOCUST KNOT DISCUSSED ON THE HIS MESSAGE BOARD

From Barry Menser - Michigan Department of Agriculture

Inspectors in Michigan found 36 out of 50 'Skyline' *Gleditsia triacanthos inermis* infected with this bacterial disease. They arrived from Bailey Nursery in MN in the spring of 2004. All 50 are being destroyed. The picture below has been posted on the Yahoo HIS Central site in the photo section. I haven't heard anything about this disease since we all seem to have found it a few years back. Any info outthere?



Response From Bill McAdams

It is not known what exactly causes locust knot. A bacterial infection is "suspected" but nothing that I know of has confirmed that.

Below is an email address to a researcher at Ohio State University. He has been studying Locust Knot for years...and would be very interested in finding out the particulars of your situation. bonello.2@osu.edu

I have found it in Iowa and Illinois during 2002. In both cases we burned the entire planting of locusts. It does appear that it is spread by pruning. We also are questioning whether the galls might be some sort of a response to herbicide or fertilizer applications.

A couple of years ago we had "large" gall growths on Austrian Pine. I sent samples ALL over the United States for ID. I had "many different" responses. We

finally figured out that it was the method and timing of fertilizer applications that was causing the growths to occur. Once the fertilization method was changed...the gall problem was cured.

Follow-up From Steven Shimek - Minnesota Department of Agriculture

I have inspected Honeylocust trees from the same "class" as those sent to Michigan that have been planted here in Minnesota in 2004. The trees originated from Bailey Nurseries in Oregon. There is no evidence of the locust knot in these Minnesota trees. We have not found this on any other trees in Minnesota.

Because Nectria canker is a commonly found pest on Honeylocust, extra attention is given to *Gleditsia* during retail and grower inspections. The majority of trees in Minnesota retail and grower sites including Bailey's own Minnesota growing locations come from Bailey Nurseries in Oregon or Minnesota.

The pictures are dramatic and suggest that this pest would be hard to miss. I am very interested in what early stages may look like. Could it be moving on trees that are not showing symptoms?

Response from Oregon Department of Agriculture to Bailey Nurseries investigation

Received your call and question and immediately sent out an information request to all of our inspectors and extension folks. No one has seen Honeylocust Knot out here. Extension folks have been in regular communication with their counter parts in the mid-west and are well familiar with the problem. We are sympathetic with your (their) problems but I really don't think that this is an Oregon shipping problem. Just out of curiosity, have any of your other customers expressed concern about your Oregon trees? Let me know if you need more.

Jan Hedberg,
Oregon Department of Agriculture



HIS CENTRAL CHAPTER MEETING LOCATIONS

1970 - Ohio	Founders Meeting
1971 - Wisconsin	November 8-10, 1971
1972 - Missouri	November 13-15, 1972
1973 - Indiana	November 12-14, 1973
1974 - Michigan	January 14-16, 1975
1975 - Illinois	November 18-20, 1975
1976 - Ohio	November 8-11, 1976
1977 - Minnesota	November 1-3, 1977
1978 - Missouri	November 6-9, 1978
1979 - Wisconsin	February 19-21, 1980
1980 - Kansas	October 28-30, 1980
1981 - Indiana	November 17-19, 1981
1982 - Nebraska	November 9-11, 1982
1983 - Michigan	February 7-9, 1983
1984 - Iowa	November 6-8, 1984
1985 - Ohio	November 19-21, 1985
1986 - Missouri	November 18-20, 1986
1987 - South Dakota	November 16-19, 1987
1988 - Illinois	October 31-November 3, 1988
1989 - Kansas	October 30-November 2, 1989
1990 - Minnesota	October 29-November 1, 1990
1991 - Wisconsin	October 28-31, 1991
1992 - Indiana	October 26-29, 1992
1993 - Nebraska	October 25-28, 1993
1994 - Michigan	October 24-27, 1994
1995 - Iowa	October 23-26, 1995
*25th Anniversary Meeting	
1996 - Ohio	October 21-24, 1996
1997 - Missouri	October 20-23, 1997
1998 - Kentucky	October 26-29, 1998
1999 - South Dakota	October 25-28, 1999
2000 - Illinois	October 23-26, 2000
2001 - Kansas	October 22-25, 2001
2002 - Minnesota	October 21-24, 2002
2003 - Wisconsin	October 20-23, 2003
2004 - Indiana	October 25-28, 2004
2005 - Nebraska	October 17-20, 2005

Chelsey Wasem, a graduate student at UNL, will speak about the use of *Metarhizium anisopliae* spores in Japanese beetle auto-inoculators. Ms. Wasem has received CAPS funding to research the effective life of these spores under field conditions, assess levels of infection in grubs, and determine an effective concentration of spores against larvae. She will report the findings from her study.

Back by popular demand is the Plant Pest Clinic. Jennifer Chaky, Assistant Extension Educator at UNL in Plant Pathology, and James Kalisch, Extension Technologist at UNL in Entomology, will display and discuss samples of interesting diseases and insects that have come through their labs this season.

As always, there will be time for state reports and discussion of inspector concerns. There will also be time for State Survey Coordinators to meet together to discuss survey issues in their states. A hospitality room will be open in the evenings, for food and fun. Bring slides/PowerPoint presentations/samples of things seen in the field, and share your finds with the rest of us. Plant Pest Pictionary may make a return.

Attendees will tour the Fuelwood Energy Plant, Cider House, Tree Adventure, and Lied Greenhouse. Other areas of interest around the Lodge include the Hazelnut research arboretum, Historic Morton Lodge and Barns, and the apple orchards. The Wildwood Historic Home and Art Gallery, Lewis and Clark Center, and Mayhew Cabin and Historical Village are all close to the Lodge. Golfers may want to play one of the two courses bordering Arbor Day Farms. ArborLinks Golf Course, designed by Arnold Palmer, offers 18-holes laid out over 300 acres of environmentally protected habitat. Learn more at www.arborlinks.com. Wildwood golf course, a 9-hole municipal course, is located just south of the Lodge, and offers fairways lined by mature oaks.

We look forward to seeing all of you at the 2005 HIS meeting!

**ARBOR DAY FARM
LIED LODGE &
CONFERENCE CENTER
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NEBRASKA CITY, NE 68410
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