

PESTICIDE REPORTS

Division of Agricultural Sciences and Natural Resources • Oklahoma State University
<http://pested.okstate.edu>



SEPTEMBER 2009

CHEM

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FUMIGATION PRACTICAL

The next Fumigation Practical is October 20, 2009 at the Stored Product, Research and Education Center west of campus on Range Road.

This is a required program for those desiring to be certified in the 7c – Fumigation category.

Registration can be made online at <http://pested.okstate.edu>. Scroll down to “Practical, Programs, Workshop Dates and Registration “ (OSU PSEP)

BED BUG SEMINAR

OSU PSEP and ODAFF are hosting a “Bed Bug Seminar” October 14, 2009 in Oklahoma City and October 15, 2009 in Tulsa.

This program will be presented by Dr. Phil Koehler and Wayne Walker of the University of Florida.

They will present information on how to manage bed bugs in homes, hotels, and college housing facilities. The information will include ways to monitor and manage bed bugs. This will include both pesticide and non-pesticide methods. Registration can be completed at <http://pested.okstate.edu>. (OSU PSEP)

TREATMENT OF PLAGUE

Deltamethrin was applied at an off-leash dog park and the surrounding area to kill fleas after the Colorado city of Westminster confirmed a case of the plague at an on-site prairie dog colony.

The park and the 420-acre Westminster Hills Open Space site on which it is located have been closed and will remain closed until the plague is eradicated.

After a citizen inquiry, the city confirmed that the prairie dog population on the site had significantly dropped and contracted the county public health department to assess the situation. Flea samples were collected from the site and were positive for the plague. (Pesticide & Toxic Chemical News, Vol. 37 No37, July 27, 2009)

EPA AND CHILDREN'S HEALTH

EPA's administration has placed an emphasis on children's health. Lisa Jackson has instructed her senior advisor on children's health, Peter Grevatt, to set an ambitious agenda for EPA in reviewing children's environmental health.

This includes reviewing the Toxic Substance Control Act, water regulations, and other regulatory aspects including pesticide registration and uses. (Pesticide & Toxic Chemical News, Vo. 37 No 37, July 27, 2009)

COLONY COLLAPSE DISORDER

Old honeycomb contaminated with pesticide residues and a microscopic pathogen is contributing to CCD, according to new research out of Washington State University.

WSU entomology professor Walter Sheppard has narrowed the list down to two suspects: pesticide residues in old honeycomb and the pathogen *Nosema ceranae*, which interferes with a bee's ability to process food.

"One of the first things we looked at was the pesticide levels in the wax of older honeycomb," Sheppard said. He found "fairly high levels of pesticide residue in honeycomb contributed by USDA and noted bees raised in the hives with that comb "had significantly reduced longevity."

Changing honeycomb more often is a simple solution to the problem – beekeepers in Europe change the comb every three years. "In the U.S., we haven't emphasized this practice, and there's no real consensus about how often beekeepers should make the change," Sheppard says. "Now we know that it needs to be more often."

Jeffery Pettis with the USDA's Bee Research Laboratory said that *N. ceranae* has been in the U.S. for at least 10 years.

Matthew Smart with WSU surveyed numerous bee colonies in both the Pacific Northwest and in California and found *N. ceranae* very widespread.

This disease is an immune deficiency disorder. Once the bee's immune systems are compromised they become susceptible to dying from a wide range of causes, including chemicals once used to protect the bees from parasites such as Varroa mites.

Pennsylvania State University researchers have found unprecedented levels of fluvalinate and coumaphos – pesticides used in hives to combat varroa mites – in all honeycomb and foundation wax samples.

Researchers at Penn State, North Carolina State, University of Liege, Gembloux Agricultural University and USDA-ARS have determined that CCD hives have higher levels of pathogens and are co-infected with a greater number of pathogens than their non-CCD counterparts, but no individual pathogen can be singled out as the cause of CCD.

They quantified more than 200 variables, including the presence of parasites such as Varroa and tracheal mites; infection by bacteria, viruses and fungi; pesticide levels; nutritional factors; and bee physiology. No single factor was found consistently only in those suffering from CCD.

No one of the screened pathogens had a higher prevalence in colonies with CCD. There also was no significant difference in the prevalence nor in the total load of Varroa or tracheal mites and Nosema.

But overall, CCD colonies were co-infected with a greater number of pathogens – viruses, bacteria and microparasites such as Nosema. For instance, 55% of CCD colonies were infected with three or more viruses compared to 28% of non-CCD colonies. (Pesticide & Toxic Chemical News, Vo. 37 No 37, July 27, 2009;

Environmental News Service July 29, 2009
and Science Daily, August, 2009)

NPDES & CLEAN WATER ACT

The 6th Circuit Court (three judge panel) has ruled on the 22 farm organizations appeal of its NPDES ruling. The court has denied the petition

The organizations, which include the National Cotton Council, CropLife America and the National Association of Wheat Growers, has to decide whether to appeal the decision to the U.S. Supreme Court.

Keith Menchey of the National Cotton Council said “EPA’s Office of Water already started a prototype for general permits, and I believe they’ll release something for discussion by the end of August.”

Menchey also said the farm groups were considering their options and felt that an appeal to the Supreme Court but the costs and the possibility of a favorable decision do not appear promising to do so. (E-mails from AAPCO & EPA August 4, 2009)

WHITE HOUSE GARDEN

First Lady Michelle Obama’s organic vegetable garden on the South Lawn of the White House has been a recent topic in the blogosphere after *Mother Jones* reporter/blogger Josh Harkinson fingered sewage sludge fertilizer applied during the Clinton era as the likely culprit behind the 93 ppm lead contamination found in the garden’s soil.

Harkinson says that level of lead is “cutting it pretty close for Obama’s daughters’ as “some soil scientists advise against feeding children produce grown in soil with more than 100 ppm of lead.”

But on closer examination of a 2002 article by University of Minnesota Extension soil scientist Carl Rosen where Harkinson got this recommendation. Rosen

actually says soils with lead levels exceeding 100 ppm shouldn’t be used for gardening because of the possibility of bare soil exposure to children via hand to mouth behavior. “If soil exposure to children is not a concern, then plants can be safely eaten from soils with soil lead levels up to 300 ppm,” Rosen writes. (Pesticide & Toxic Chemical News, Vol. 37, No 39, August 10, 2009)

PESTICIDE COMPLAINTS

In ODAFF’s August Consumer Protection Services Division report, ODAFF reported 47% of the 198 consumer generated complaints were due to agricultural applications and 22% were due to structural applications. Ten percent involved ornamental & turf and 5% right-of-way applications.

ODAFF also reported that complaints have been declining over the last 10 years. In FY 99, ODAFF worked over 200 termite complaints which are more than the total number of complaints worked in 2008. ODAFF attributes the decline due to better education with the implementation of the Pinkston Educational Facility, increased enforcement, and new chemicals on the market for termite control.

Agricultural complaints have remained steady over the last 10 years with a slight peak in FY 06 and FY 07 due to drift on cotton related to herbicide. (Consumer Protection Services Division Vol. 1, Issue 8, August 2009)

WHERE'S EPA HEADED?

At the National Pesticide Certification & Training Conference, Steve Bradbury, Deputy Office Director for OPP Programs, gave an insight where the new EPA administration will be focusing some of its efforts.

Bradbury indicated that EPA would be placing emphasis on sustainable agriculture including clean air, residential pesticide use and exposure including schools and pets and encouraging states to adopt IPM in schools and urban areas.

Regarding the word sustainable, Bradbury phrased that as being fewer inputs into the system.

In related matters, EPA stated they will be releasing for public comment revised regulations for pesticide applicator certification and revised Worker Protection Standard. Among the proposed revisions to WPS will be the inclusion of Hazardous Material Training for workers and handlers. When asked if other categories would be included in WPS, Bradbury said no other applicator groups would be included in the WPS proposal. (OSU PSEP)

A handwritten signature in cursive script that reads "Jim T. Criswell". The signature is written in black ink and is positioned above the printed name and title.

Jim T Criswell
Pesticide Coordinator

PESTICIDE APPLICATOR TEST SESSIONS 2009

All 23 exams will be available at each session. **PLEASE MAKE SURE** you know in advance which specific exam(s) you need to take (e.g. Service Tech, Ornamental & Turf, Core, Right-of-way, General Pest, etc.).

RESERVATIONS ARE NOT REQUIRED FOR THESE TEST SESSIONS; they are all open to anyone wishing to test for certification. Tests are \$50.00 each; please bring check, money order or the exact amount of cash needed for testing, along with a form of photo ID. There is no fee for government employees in the discharge of their official duties.

Unless otherwise noted, sessions are located as follows:

ALTUS	WESTERN OK STATE COLLEGE 2801 N MAIN, RM A23
ENID	GARFIELD CO. EXT OFFICE 316 E. Oxford
GOODWELL	OKLA PANHANDLE RESEARCH & EXT CENTER Rt. 1 Box 86M
HOBART	KIOWA CO. FAIRGROUNDS Exhibit Building
LAWTON	GREAT PLAINS COLISEUM Annex Rm 920 S. Sheridan Rd.
McALESTER	KIAMICHI TECH CENTER on HWY 270 W of HWY 69
OKC	OKLA CO. EXT 930 N. Portland, Auditorium - <u>Park & enter</u> from the North side
TULSA	NE CAMPUS OF TCC 3727 E. Apache (Apache & Harvard) Engineering Tech Rm. 127

If you have any questions, please call (405) 522-5950 or e-mail
eva.landeros@oda.state.ok.us

**Testing will begin at 9:00 am. NO NEW APPLICANTS WILL BE ACCEPTED AFTER
11 AM.**

ALL TESTS must be completed by 1:00 pm

2009 Test Sessions

September			October	
3	Altus		1	Hobart
10	Tulsa		8	Tulsa
14	OKC		12	OKC
17	Tulsa		19	Altus
28	OKC		22	Tulsa
			26	OKC
November			December	
10	Tulsa		3	Tulsa
14	OKC		7	OKC
17	Tulsa		10	Enid
28	OKC		17	Tulsa
			28	OKC

OPPORTUNITIES TO EARN CEU'S

SEPTEMBER 16, 2009

CATEGORY: 1a – AGRICULTURAL PLANT
CEU'S: PENDING
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: PENDING
SPONSOR: TEXA A&M UNIVERSITY
TOPIC: WEST TEXAS AG CHEMICAL CONFERENCE
PLACE: REESE TECHNOLOGY CENTER
9801 REESE BLVD N (WEST 4TH STREET)
LUBBOCK, TX
CONTACT: BRANT BAUGH
806.775.1680
FEE: YES

SEPTEMBER 22-23, 2009

CATEGORY: 3a – ORNAMENTAL & TURF
CEU'S: 6
CATEGORY: 5 – AQUATIC
CEU'S: 5
CATEGORY: 6 – RIGHT-OF-WAY
CEU'S: 7
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: 7
SPONSOR: OKVMA
TOPIC: FALL CONFERENCE
PLACE: SOUTHERN HILLS MARRIOTT
TULSA
CONTACT: KATHY MARKHAM
918.256.9302
FEE: YES

SEPTEMBER 24-25, 2009

CATEGORY: 7a – GENERAL PEST
CEU'S: PENDING
CATEGORY: 7b – STRUCTURAL
CEU'S: PENDING
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: PENDING
SPONSOR: OPCA
TOPIC: URBAN PEST MANAGEMENT
PLACE: DOUBLETREE HOTEL DOWNTOWN
616 WEST 7TH STREET
TULSA, OK
CONTACT: ROSA FISK
405.685.2036
FEE: YES

SEPTEMBER 24-25, 2009

CATEGORY: AERIAL
CEU'S: 2
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: 2
SPONSOR: COLORADO AGRICULTURAL AVIATION ASSOCIATION
TOPIC: FLY IN
PLACE: LA JUNTA, CO
CONTACT: DOLLE LEHRKAMP
719-768.3367
FEE: YES

OCTOBER 6, 1009

CATEGORY: 7c – FUMIGATION
CEU'S: PENDING
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: PENDING
SPONSOR: OSU PSEP
TOPIC: FUMIGATION MANAGEMENT
PLACE: SPREC
STILLWATER, OK
CONTACT: JIM T CRISWELL FOR PROGRAM INFORMATION
405.744.5531
AGRICULTURAL CONFERENCE FOR REGISTRATION
405.744.6489
FEE: YES

OCTOBER 7, 1009

CATEGORY: 7c – FUMIGATION
CEU'S: PENDING
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: PENDING
SPONSOR: OSU PSEP
TOPIC: FUMIGATION MANAGEMENT **REPEAT OF OCTOBER 6TH PROGRAM**
PLACE: SPREC
STILLWATER, OK
CONTACT: JIM T CRISWELL FOR PROGRAM INFORMATION
405.744.5531
AGRICULTURAL CONFERENCE FOR REGISTRATION
405.744.6489
FEE: YES

OCTOBER 13, 2009

CATEGORY: 3a – ORNAMENTAL & TURF
CEU'S: PENDING
CATEGORY: 6 – RIGHT-OF-WAY
CEU'S: PENDING
CATEGORY: 7a – GENERAL PEST
CEU'S: PENDING
CATEGORY: 7b – STRUCTURAL
CEU'S: PENDING
CATEGORY: 8 – PUBLIC HEALTH
CEU'S: PENDING
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: PENDING
SPONSOR: ESTES TURF PROGRAM
TOPIC: PEST MANAGEMENT
PLACE: CLARION CONFENTION CENTER
737 S. MERIDIAN
OKLAHOMA CITY, OK
CONTACT: AMY McDONALD
254.445.4359
FEE: YES

OCTOBER 13, 2009

CATEGORY: 3a – ORNAMENTAL & TURF
CEU'S: PENDING
CATEGORY: 6 – RIGHT-OF-WAY
CEU'S: PENDING
CATEGORY: 7a – GENERAL PEST
CEU'S: PENDING
CATEGORY: 7b – STRUCTURAL
CEU'S: PENDING
CATEGORY: 8 – PUBLIC HEALTH
CEU'S: PENDING
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: PENDING
SPONSOR: ESTES PEST PROGRAM
TOPIC: PEST MANAGEMENT
PLACE: CLARION CONFENTION CENTER
737 S. MERIDIAN
OKLAHOMA CITY, OK
CONTACT: AMY McDONALD
254.445.4359
FEE: YES

OCTOBER 14, 2009

CATEGORY: 3a – ORNAMENTAL & TURF
CEU'S: PENDING
CATEGORY: 6 – RIGHT-OF-WAY
CEU'S: PENDING
CATEGORY: 7a – GENERAL PEST
CEU'S: PENDING
CATEGORY: 7b – STRUCTURAL
CEU'S: PENDING
CATEGORY: 8 – PUBLIC HEALTH
CEU'S: PENDING
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: PENDING
SPONSOR: ESTES
TOPIC: PEST MANAGEMENT
PLACE: RENAISSANCE HOTEL
6808 S. 107TH EAST AVENUE
TULSA, OK
CONTACT: AMY McDONALD
254.445.4359
FEE: YES

OCTOBER 14, 2009

CATEGORY: 7a – GENERAL PEST
CEU'S: 6
CATEGORY: 8 – PUBLIC HEALTH
CEU'S: 6
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: 6
SPONSOR: OSU PESTICIDE SAFETY EDUCATION PROGRAM
TOPIC: BED BUG MANAGEMENT
PLACE: CLARION CONFENCTION CENTER
737 S. MERIDIAN
OKLAHOMA CITY, OK
CONTACT: JIM T CRISWELL FOR PROGRAM
405.744.5531
AGRICULTURAL CONFERENCES FOR REGISTRATION
405.744.6489
FEE: YES

OCTOBER 15, 2009

CATEGORY: 7a – GENERAL PEST
CEU'S: 6
CATEGORY: 8 – PUBLIC HEALTH
CEU'S: 6
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: 6
SPONSOR: OSU PESTICIDE SAFETY EDUCATION PROGRAM
TOPIC: BED BUG MANAGEMENT
PLACE: MARRIOTT SOUTHERN HILLS
1902 EAST 71ST
TULSA, OK
CONTACT: JIM T CRISWELL FOR PROGRAM
405.744.5531
AGRICULTURAL CONFERENCES FOR REGISTRATION
405.744.6489
FEE: YES

OCTOBER 27-29, 2009

CATEGORY: 3a – ORNAMENTAL & TURF
CEU'S: PENDING
CATEGORY: 7a – GENERAL PEST
CEU'S: PENDING
CATEGORY: 7b – STRUCTURAL
CEU'S: PENDING
CATEGORY: 7c – FUMIGATION
CEU'S: PENDING
CATEGORY: 8 – PUBLIC HEALTH
CEU'S: PENDING
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: PENDING
CATEGORY: 11 – BIRD & PREDATORY ANIMAL
CEU'S: PENDING
SPONSOR: NPMA
TOPIC: PESTWORLD 2009
PLACE: LAS VAGAS, NV
CONTACT: CINDY KENNEDY
703.352.6762
FEE: YES

NOVEMBER 4-5, 2009

CATEGORY: 1a – AGRICULTURAL PLANT
CEU'S: PENDING
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: PENDING
SPONSOR: OARA
TOPIC: AGEXPO
PLACE: CLARION CONVENTION CENTER
OKLAHOMA CITY, OK
CONTACT: TAMMY MILLER
580.233.9516
FEE: YES

DECEMBER 15-16, 2009

CATEGORY: 1a – AGRICULTURAL PLANT
CEU'S: PENDING
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: PENDING
SPONSOR: OSU EXTENSION
TOPIC: WINTER CROP SCHOOL
PLACE: WES WATKINS BUILDING
STILLWATER, OK
CONTACT: JEFF EDWARDS
405.744.6130
FEE: YES

ONGOING

CATEGORY: 3a – ORNAMENTAL & TURF
CEU'S: 4
CATEGORY: 10 - DEMONSTRATION & RESEARCH
CEU'S: 4
SPONSOR: UNIVERSITY OF GEORGIA
TOPIC: PRINCIPLES OF TURFGRASS MANAGEMENT
PLACE: CORRESPONDENCE COURSE
CONTACT: PHYLISS BREWER
706.542.6692
FEE: YES

ONGOING

CATEGORY: 3a – ORNAMENTAL & TURF
CEU'S: 2
CATEGORY: 7a – GENERAL PEST
CEU'S: 1
CATEGORY: 7b - STRUCTURAL
CEU'S: 1
CATEGORY: 10 - DEMONSTRATION & RESEARCH
CEU'S: 6
CATEGORY: ALL CATEGORIES
CEU'S: 2

SPONSOR: CHRYSALIS EDUCATION & CONSULTING
TOPIC: O&T, GENERAL PEST & STRUCTURAL
PLACE: HOLIDAY INN
CONTACT: 3101 N. DALLAS PKW
PLANO, TX
DENNIS MALONEY
806.468.8583
FEE: YES

ELECTRONIC PROGRAMS

CATEGORY: VARIOUS
CEU'S: 1
SPONSOR: UNIVAR
TOPIC: VARIOUS
PLACE: INTERNET – WWW.PESTWEB.COM
CONTACT: JEFF SMITH
916.371.7602
FEE: NO

ONGOING

CATEGORY: 3a – ORNAMENTAL & TURF
CEU'S: 1
CATEGORY: 8 – PUBLIC HEALTH
CEU'S: 1
CATEGORY: 10 - DEMONSTRATION & RESEARCH
CEU'S: 1
SPONSOR: UNIVAR
TOPIC: A QUIET TICKING
PLACE: PESTWEB WWW.PESTWEB.COM
CONTACT: JEFF SMITH
JEFF.SMITH@UNIVARUSA.COM
FEE: NO

ELECTRONIC PROGRAMS

CATEGORY: 3a – ORNAMENTAL & TURF
CEU'S: 1
SPONSOR: UNIVAR
TOPIC: WEED CONTROL – THE HERBICIDES #604
PLACE: INTERNET – WWW.PESTWEB.COM
CONTACT: JEFF SMITH
916.371.7602
FEE: NO

ELECTRONIC PROGRAMS

CATEGORY: 7a – GENERAL PEST
CEU'S: 1
SPONSOR: UNIVAR
TOPIC: GOING GREEN & ORGANIC #207
PLACE: INTERNET – WWW.PESTWEB.COM

CONTACT: JEFF SMITH
916.371.7602
FEE: NO

ELECTRONIC PROGRAMS

CATEGORY: 7a – GENERAL PEST
CEU'S: 3
CATEGORY: 7b - STRUCTURAL
CEU'S: 1
SPONSOR: WHITMIRE MICRO-GEN
TOPIC: PRESCRIPTION TREATMENT UNIVERSITY
PLACE: WHITMIRE WEB SITE
CONTACT: JODI WILSON
880.777.8570
FEE: YES

ELECTRONIC PROGRAMS

CATEGORY: VARIOUS
CEU'S: VARIOUS
SPONSOR: PEST NETWORK
TOPIC: VARIOUS
PLACE: PESTNETWORK.COM
CONTACT: MEL YELL
512.626.1645 CELL
FEE: YES

ELECTRONIC PROGRAMS

CATEGORY: 1a – AGRICULTURAL PLANT
CEU'S: 1
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: 1
SPONSOR: Pest Network
TOPIC: GREENBUG MANAGEMENT
PLACE: www.pestnetwork.com
CONTACT: CHARLES COLE
979.732.0501
FEE: YES

ELECTRONIC PROGRAMS

CATEGORY: 1a – AGRICULTURAL PLANT
CEU'S: 1
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: 1
SPONSOR: SOUTHWEST FARM PRESS
TOPIC: WEED RESISTANCE MANAGEMENT IN COTTON
PLACE: INTERNET – WWW.SOUTHWESTFARMPRESS.COM
CONTACT: CHERYL OGLE
559.322.6558
FEE: NO

ELECTRONIC PROGRAMS

CATEGORY: 1a – AGRICLTURAL PLANT
CEU'S: 1
CATEGORY: 10 – DEMONSTRATION & RESEARCH
CEU'S: 1
SPONSOR: SOUTHWEST FARM PRESS
TOPIC: SPRAY DRIFT MANAGEMENT
PLACE: WWW.SOUTHWESTFARMPRESS.COM
CONTACT: HARRY CLINE
512.288.8288
FEE: YES

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