

Joint Meeting of the 51st Livestock Insect Workers' Conference and the 9th International Symposium on Ectoparasites of Pets



Program

Sunday - 10 June 2007

11:00 - 4:00 Registration -- Patterson Registration Booth

1:30 - 1:45 Welcome and Introductions -- Fred Knapp & John Webb Patterson Rooms C & D

1:45 - 2:15 **Overview of Kentucky and the Horse Industry**
Keynote Speaker: Peter Timoney

Miscellaneous submissions

Moderator: Phil Kaufman

2:15 - 2:30 Evaluation of a stable fly trap in a Nebraska pasture
John B. Campbell and D.J. Boxler

2:30 - 2:45 Comparison of trap efficacy to enhance management of horse, deer and stable flies affecting dairy animals on northeast US pastures.
J. Keith Waldron, P.E. Kaufman, C. Strong and D.A. Rutz

2:45 - 3:00 An attractant for house flies based on components identified in blackstrap molasses
Christopher J. Geden, B.A. Quinn, U.R. Bernier and J.A. Hogsette

3:00-3:30 Break

Insecticide and Acaricide Resistance

Moderator: Alec Gerry

3:30 - 3:50 **Pesticide Resistance: Challenges and Future Directions**
Keynote Speaker: Michael Rust

3:50 - 4:05 Efficacy of amitraz applied as a single dip treatment against an amitraz-resistant strain of *Boophilus microplus* (Acari: Ixodidae) infested on cattle
Ronald Davey, R.J. Miller, and J.E. George

4:05 - 4:20 Lesser mealworm research in Australia: How far have we come?
Trevor A. Lambkin, S.J. Rice, J.S. Bartlett and T.M. Lambkin

4:20 - 4:35 Efficacy against fleas, ticks and mosquitoes of some registration-exempt pesticide products on dogs and cats
Thomas Miller, M. Sharp, L. Nouvel

4:35 - 4:50 Horn fly suppression: Field comparison of Avenger[®] (endosulfan) and Warrior[®] (diazinon-chlorpyrifos) ear tags
Nancy C. Hinkle, T.W. Wilson, and P.C. Worley

4:50 - 5:05 Susceptibility of lesser mealworm (Coleoptera: Tenebrionidae) adults and larvae exposed to two commercial insecticides on unpainted plywood panels
Phillip E. Kaufman, D.A. Rutz and C. Strong

5:05 - 5:20 Efficacy of four registered spot-on products against fleas and ticks on dogs
T. Miller, M. Sharp, L. Nouvel

5:20 - 5:30 Wrap-Up/Announcements - Fred Knapp

6:00 - 7:00 Welcome Reception: Light refreshments: - Regency

Kindly supported by



7:30 Dinner on your own. Reservations at local restaurants are suggested.

Monday - 11 June 2007

- 7:00 - 8:00 Breakfast for all Registrants: Patterson Rooms A & B
- 7:00 - 5:00 Registration -- Patterson Registration Booth
- 8:00 - 4:45 Poster Session and Exhibits: Patterson Rooms E - G

8:00 - 8:10 Announcements -- Fred Knapp & John Webb Patterson Rooms C & D

- 8:10 - 8:25 **Welcome to Kentucky:** Dr. M. Scott Smith, Dean, College of Agriculture, University of Kentucky
- 8:25 - 8:40 **Welcome to Lexington:** Dr. John Obrycki, Chair, Department of Entomology, University of Kentucky
- 8:40 - 9:10 **The USDA Agricultural Research Service's National Program 104: Veterinary, Medical, and Urban Entomology**
Keynote Speaker: Daniel Strickman

Insecticide and Acaricide Resistance

- Moderator:** Christian Epe
- 9:10 - 9:25 Knockdown and residual efficacy of gamma-cyhalothrin pour-on formulations against experimental and natural horn fly infestations on cattle
Christine M. McCoy, W.H. White, J. Meyer, K.A. Meyer, K.A. Baker, D.E. Snyder, J.R. Winkle, E. Ahrens, R.G. Pennington, C.R. Pennington, D.G. Wujek
- 9:25 - 9:40 Efficacy testing against *Stomoxys calcitrans* on horses under controlled environmental conditions
Lori Carter and T. Hartwell
- 9:40 - 9:55 Resistance of horn fly *Haematobia irritans* (Diptera: Muscidae), to insecticides in Colombia: Present situation
Efraín O. Benavides and R.Q. Bonilla
- 9:55 - 10:10 Management of organophosphate resistant horn flies using a mid-season avermectin treatment of cattle in Louisiana
Cole Younger

10:10 - 10:40 Break

Kindly supported by 

Ectoparasiticide Discovery

- Moderator:** Catherine Caulfield
- 10:40 - 11:00 **Chance and Design in Insecticide Discovery**
Keynote Speaker: Vincent Salgado
- 11:15 - 11:30 Dinotefuran: a novel third-generation neonicotinoid providing fast flea adulticidal efficacy on dogs
Albert Ahn
- 11:30 - 11:45 Efficacy of the combination fipronil/(S)-methoprene (FRONTLINE® Plus) against flea eggs and larvae (*Ctenocephalides felis*) following weekly infestations of treated cats with gravid female fleas
Michel Franc and F. Beugnet
- 11:45 - 12:00 Doramectin-medicated molasses for control of horn flies
J. Allen Miller, K.H. Lohmeyer and J.M. Pound

12:00 - 1:30 Lunch: Regency

Kindly supported by 

- 1:30 - 1:45 Dinotefuran: a novel third-generation neonicotinoid with ideal characteristics for fast-acting long term flea control in cats
Albert Ahn
- 1:45 - 2:00 Efficacy of Advantage Multi™ (imidacloprid + moxidectin) topical solution for the treatment of flea (*Ctenocephalides felis*) infestation on cats.
Robert G. Arther, O. Hansen and D.R. Young
- 2:00 - 2:15 Evaluation of the attractiveness of several novel octenol analogs to adult southern house mosquitoes (*Culex quinquefasciatus*)
James E. Cilek and C.O. Ikediobi
- 2:15 - 2:30 Discussion

Miscellaneous submissions

- Moderator** John Webb
- 2:30 - 2:45 Immunization studies in rabbits using gut membrane-bound proteins derived from *Rhipicephalus appendiculatus*, *R. evertsi evertsi* and *Amblyomma variegatum* female ticks
Helen L. Kutima, O. Amoo, M. Imbuga and P.M. Kutima
- 2:45 - 3:00 Co-Ral Plus ear tags to control horn fly, *Haematobia irritans* (L.), in eastern Montana.
Gregory Johnson

3:00 - 3:30 Break

Kindly supported by 

- 3:30 - 3:45 Field survey of pest Diptera and beneficial Coleoptera associated with beef cattle in Washington State
Holly Ferguson, R. Zack, S. O'Neal Coates, C. White and D. Walsh
- 3:45 - 4:00 The effect of behavioral conditioning on determining host choice in a parasitoid of filth flies, *Trichopria nigra*
Kimberly M. Ferrero and C.J. Geden

4:00 - 4:45 **Merial Mini-Symposium**



Efficacy of fipronil against *Ctenocephalides felis* and the relationship with the Rdl gene
Albert Boeckh

4:45 - 5:20 Preliminary Business Meetings Patterson Rooms C & D

5:20 - 5:30 Wrap-Up/Announcements - Fred Knapp

6:30 Dinner: Location TBD

Kindly supported by Merial



Public Relations and Mosquito Control (and other humorous things)

David Brown, Manager of the California Sacramento-Yolo Mosquito and Vector Control Division.

Tuesday - 12 June 2007

7:00 - 8:00 Breakfast for all Registrants: Patterson Rooms A & B

7:00 - 12:00 Registration -- Patterson Registration Booth

8:00 - 1:30 Poster Session and Exhibits: Patterson Rooms E - G

8:00 - 8:10 Announcements -- Fred Knapp & John Webb Patterson Rooms C & D

Parasitic Arthropods, Biosecurity and Food Safety

Moderator Glen Scoles

8:10 - 8:30 **Beyond Overt Biological Terrorism: Fleas, Flies, Ticks and Zoonoses and the Threats They Pose**
Keynote Speaker: Steven Presley

8:30 - 8:45 Age distribution and amount of (Z)-9-tricosene on wild house flies collected from dairies
Sarah M. Butler, R.D. Moon, N.C. Hinkle, J.G. Millar, J.S. McElfresh and B.A. Mullens

8:45 - 9:00 Efficacy of chemical attractants on Tabanidae collections with Pacific blue Nzi traps
Daniel L. Kline and S.A. Allan

9:00 - 9:15 Human waste (biosolids): Fly dreaming, people nightmare
Ian Dadour and N. Penney

9:15 - 9:30 Feeding dynamics of stable flies: The consequences of inflicting painful bites
Alberto B. Broce and J.A. Hogsette

9:30 - 9:45 Evaluation of a walk through stable fly control device
David J. Boxler and J.B. Campbell

9:45 - 10:00 Role of conspecific eggs and associated bacterial community in oviposition behavior of stable flies,
Stomoxys calcitrans L.
Ludek Zurek, F. Mramba and A. Broce

10:00 - 10:30 Break

Kindly supported by



Industry Session

Moderator: Bill Donahue

10:30 - 12:00 Open session

12:00 - 1:30 Lunch: Regency

Kindly supported by



1:30 Free Time: Plan your own activities

6:00 Dinner on your own. Reservations at local restaurants are suggested.

7:00 - 8:00 Breakfast for all Registrants: Patterson Rooms A & B
 7:00 - 4:00 Registration -- Patterson Registration Booth
 8:00 - 4:00 Poster Session and Exhibits: Patterson Rooms E - G

8:00 - 8:10 Announcements -- Fred Knapp & John Webb Patterson Rooms C & D

Veterinary Medicine and Ectoparasitism

Moderator Nancy Hinkle

8:10 - 8:30 **Status of Veterinary Entomology in Europe**
 Keynote Speaker: Christian Epe
 Comparison of a horse and a carbon dioxide-baited suction trap for collecting hematophagous Diptera in southern California
 Alec C. Gerry, T.M. Nawaey, P.B. Sanghrajka, J. Wisniewska and P. Hullinger
 8:30 - 8:45
 8:45 - 9:00 Fall equine abortion associated with exposure to walnut caterpillars, *Datana integerrima* (Lepidoptera: Notodontidae) in Pasco County Florida
 John Roberts, J. Ward, J. Foltz, P. Kaufman, C. Daniels, J. Donahue, C. Schuman and L. Harrison
 9:00 - 9:15 Detection and quantification of an insect repellent in bovine milk
 D. Wes Watson, M.A. Drake, S. Washburn and J.F. Butler
 9:15 - 9:30 Spatial distribution of African sheep louse, *Linognathus africanus* Kellogg & Paine, on sheep
 John E. Lloyd, G.D. Johnson, R.W. Kott, H.B. Goosey and D.E. Legg
 9:30 - 9:45 Discussion

9:45 - 10:15 Break

Kindly supported by



10:15 - 10:35 **Status of Veterinary Entomology in North America**
 Keynote Speaker: Ann Donoghue
 Kindly supported by
 CHARLES RIVER LABORATORIES
 Discovery and Development Services
 Botolph Claydon
 10:35 - 10:50 Potential role of domestic animals in maintaining bed bug infestations in human environments
 Alvaro Romero and M.F. Potter
 10:50 - 11:05 Clean-up™ Pour-on insecticide with IGR to control sheep ked, *Melophagus ovinus* (L.), and African sheep louse, *Linognathus africanus* Kellogg & Paine
 Gregory D. Johnson, J.E. Lloyd, R.W. Kott, H.B. Goosey and D.E. Legg
 11:05 - 11:20 House fly management in arid environments
 Jerome A. Hogsette, D.F. Hoel and U.R. Bernier
 11:20 - 11:35 Efficacy of Elector® PSP (spinosad) for the control of the lesser mealworm (*Alphitobius diaperinus* Panzer) in heavy broilers
 S. Mike Stringham, D.W. Watson, S. Denning, K. Baker and G. Balme
 11:35 - 12:00 Discussion

12:00 - 1:30 Lunch: Regency

1:30 - 3:00 Bayer Mini-symposium



Moderator Norbert Mencke
 1:30 - 1:50 The development and efficacy of QuickBayt Spot Spray (imidacloprid) for house fly control in food animal premises
 Douglas H. Ross
 1:50 - 2:10 Evaluation of the efficacy of two imidacloprid bait formulations for the control of naturally occurring infestations of house flies, *Musca domestica* in three central California dairies
 William Donahue
 2:10 - 2:35 Movement of *Rhipicephalus sanguineus* adults between co-housed dogs during active feeding
 Susan E. Little, J. Hostetler and K.M. Kocan
 2:35 - 3:00 Canine Leishmaniosis in an endemic area in Southern Italy and the efficacy of imidacloprid/ permethrin.
 Cinzia Cantacessi, D. Otranto, P. Paradies, R. Paolo Lia, G. Capelli, D. Stanneck and N. Mencke

3:00 - 3:10 Announcements -- Fred Knapp & John Webb

3:10 - 3:40 Break

Kindly supported by



3:40 - 4:30 Final Business Meetings Patterson Rooms C & D

7:00 - 10:00 LIWC-ISEP Banquet: @ Kentucky Horse Park

Kindly supported by



Thursday - 14 June 2007

- 7:00 - 8:00 Breakfast for all Registrants: Patterson Rooms A & B
7:00 - 9:00 Registration -- Patterson Registration Booth
8:00 - 12:00 Poster Session and Exhibits: Patterson Rooms E - G

8:00 - 8:10 Announcements -- Fred Knapp & John Webb Patterson Rooms C & D

Epidemiology: Global Warming, New and Emerging Diseases

Moderator Adalberto Pérez de León

8:10 - 8:30 **Global Change Forces and Climate -- Things to Think About**
Keynote Speaker: Allan Nelson

- 8:30 - 8:45 Update on the development of a Geographic Information System (GIS) graphical diagnostic database for investigation of *Boophilus* spp. tick infestations in Zapata County, Texas
Diane M. Kammlah, J.M. Pound, J.E. George, R.B. Davey, R. Duhaime and E.J. Bowers
8:45 - 9:00 Persistent transovarial transmission of *Babesia caballi* by the tropical horse tick, *Dermacentor nitens*, reared on a non-susceptible host
O. Nicolas Schwint, L.S. Kappmeyer, D.P. Knowles and G.A. Scoles
9:00 - 9:15 Identification of bacterial pathogens in ticks collected from NW Arkansas canines
Rebecca T. Trout, C.D. Steelman and A.L. Szalanski
9:15 - 9:30 White-tailed deer and other wild ungulates – Their influence on success of the Fever Tick Eradication Program
J. Mathews Pound, J.A. Miller, J.E. George, D.M. Kammlah and R. Duhaime
9:30 - 9:45 Blacklegged ticks (*Ixodes scapularis*) and their associated pathogens collected from white-tailed deer in eastern Tennessee
Graham J. Hickling, Reid R. Gerhardt and C.J. Jones
9:45 - 10:00 Persistence of inoculated *Salmonella* in adult darkling beetles, *Alphitobius diaperinus* (Coleoptera: Tenebrionidae)
Aubree J. Roche, L.J. Richardson, N.A. Cox, N.C. Hinkle, R.J. Buhr and G.R. Siragusa

10:00 - 10:30 Break

Kindly supported by



and



- 10:30 - 10:45 Flies and Exotic Newcastle disease virus (ENDV)
Seemanti Chakrabarti, D.J. King, C. Cardona, D.E. Swayne, D. Kuney and A.C. Gerry
10:45 - 11:00 READY FOR A DISASTER?
Lori Carter and B. Sabol
11:00 - 11:15 Co-transmission of multiple *Ehrlichia* spp. between white-tailed deer (*Odocoileus virginianus*) by lone star ticks (*Amblyomma americanum*).
Susan E. Little, L.M. Parsons, M. West and M.J. Yabsley
11:15 - 11:45 Meeting Summary: Bill Donahue

11:45-12:00 Final comments: Fred Knapp

12:00 Departure: Have a safe trip home!