

Monday – October 20, 2014

10:00 am	MEA Executive Committee Meeting (Clay Lyle Conference Room)
12::00-5:00	Registration
1:00-4:00	Medical/Veterinary Entomology Roundtable (Bost)
1:00-4:00	Joint MEA, MAPPAN Invasive Pest Symposia (Bost)
6:00	Industry Sponsored Mixer and Steak Supper (Bost)

3:56	Black Flies (Diptera:Simuliidae) Occurring in Mississippi. T. Nations and J. Goddard.
4:08	Evaluating Green Stink Bug Damage in Edamame. B. Thrash .
4:20	Residual Efficacy and Systemic Nature of the Diamide Insecticides. A. Adams , J. Gore, A. Catchot, D. Cook, F. Musser, and T. Irby.
4:32	Effect of Nitrogen Application Rate on Tarnished Plant Bug infestation and Cotton Yield. C.A. Samples , D. Dodds, J. Gore, A. Catchot, J.J. Varco, B.R. Golden, D. Copeland, and J.M. Riley.

10:06	Break
10:21	Evaluating Threecornered Alfalfa Hopper, <i>Spissistilus festinus</i> , as a Pest in Mississippi Soybeans. J. Ramsey , A. Catchot, F. Musser, D. Cook, J. Gore, and T. Irby.
10:33	Critical Time in Flowering Cotton that Yield Loss Due to Tarnished Plant Bug Occurs. W. Woods , J. Gore, A. Catchot, D. Cook, D. Dodds, and J. Krutz.
10:45	Value of Neonicotinoid Seed Treatments in Mid-South Row Crop Systems. J. North , A. Catchot, D. Cook, D. Dodds, J. Gore, and F. Musser.
10:57	Evaluation of PRE Herbicide and Seed Treatment on Thrips Infestation and Cotton Growth, Development, and Yield. D. Copeland , D. Dodds, A. Catchot, J. Gore, D. Reynolds, D. Wilson, D. Denton, and C. Samples.

Tuesday – October 21, 2014

MEA Invasive Pest Symposium (Bost Theater)-Part 1

1:00	Welcome— Krish Krishnan Presiding
1:05	Invasive Pests of Regulatory Concern. J. Head .
1:25	Update on Spotted Wing Drosophila in Mississippi: Biology, Ecology, and Current Management Practices. J. Adamczyk and B. Sampson.
1:45	Redbay Ambrosia Beetle and Laurel Wilt Disease: A Shift in the Invasion Paradigm. J. Formby , J. Smith, and J. Riggins.
2:05	Invasive Ants of the Southeastern United States. R. Brown and J. MacGown.
2:25	Who Says There's A New Pathogen in Town? The Process of Diagnosing New Regulatory Pathogens. C. Balbalian .
2:45	Sudden Oak Death: Invasive Species or False Alarm? S. Diehl , D. Bly, and R. Baird.
3:05	Break

MEA Ph.D. Student Competition (Bost Theater)

3:20	Biological Rhythm of Polygalacturonase in <i>Lygus lineolaris</i> . D. Fleming , N. Krishnan, A. Bednarova and F. Musser.
3:32	Collections of Immature <i>Amblyomma maculatum</i> Koch (Acari: Ixodidae) from Mississippi, U.S.A. J.S. Portugal and J. Goddard.
3:44	Metamorphoses No More: Laurel Wilt Drives Palamedes Swallowtail Decline. J. Formby , K. Oten and J. Riggins.

MEA, MAPPAN (Bost Theater)

7:30	Registration Opens
8:15	Call to Order— Krish Krishnan Presiding

MEA M.S. Student Competition (Bost Theater)

8:30	Seasonal Occurrence of Mid-South Pests of Soybeans. N. Bateman , A. Catchot, J. Gore, F. Musser, D. Cook, and T. Irby.
8:42	Wing Patterns of Moths are Dependent on Wing Venation in Primitive Lepidoptera and Trichoptera. S. Schachat , and R. Brown.
8:54	Management Strategies for Tarnished Plant Bug (<i>Lygus lineolaris</i>) in the Mid-South Cotton Belt. S. Graham , A. Catchot, J. Gore, D. Cook, D. Dodds, and F. Musser.
9:06	Populations of Foraging Honey Bees in Midsouth Crops. A. Whalen , A. Catchot, S. Stewart, G. Lorenz, J. Gore, D. Cook, F. Musser, and J. Harris.
9:18	Susceptibility of Tobacco Thrips, <i>Frankliniella fusca</i> , to the Neonicotinoid Class of Insecticides in the Mid-South Region. C. Damell , A. Catchot, F. Musser, J. Gore, and D. Cook.
9:30	The Impact of Corn Earworm on Grain Sorghum Yields. C. Dobbins , J. Gore, A. Catchot, D. Cook, and B. Olivi.
9:42	Distribution of Heliothines in Cotton/Soybean Landscapes. T. D. Dill , A. Catchot, J. Gore, D. Cook and M. Caprio.
9:54	Histology of Lepidoptera: An Analysis of Stain Performance on Lepidoptera Wings and Genitalia. C. Jaeger and R. Brown.

MEA Business Meeting (Bost Theater)

11:21	MEA Business Meeting
12:00	MEA and MAPPAN Awards Luncheon

MEA Invasive Pest Symposium-Part 2/ General Session (Bost Theater)

1:00	Implications of the Impending Emerald Ash Borer Invasion of Mississippi. J. Riggins .
1:20	Experiences with Sugarcane Aphids in Mississippi Grain Sorghum. A. Catchot .
1:40	Status of Kudzu Bug in the Southern US and Mississippi. D. Cook .
2:00	Chikungunya: the New Mosquito Virus with a Funny Name. J. Goddard .
2:20	Bermudagrass Stem Maggot, A New Pest of Mississippi Hay Fields. B. Layton .
2:40	Beneficial Beetles for Bioinformatics. M. Allen .
2:52	A Brief Overview of Current Relationships of Geography, Statistics, and Taxonomy with the Classical Integrated Control Concept. J. L. Willers and G. F. Backoulou.

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MAPPAN General Session (Bost North)

- 8:30 Discovery of Six New Species in Magnaporthaceae from Ultradwarf Bermudagrass Roots Collected Throughout the Southern United States. **P.L. Vines**, M. Tomaso-Peterson, T.W. Allen, C. Balbalian, and F. Hoffmann.
- 8:45 The Defense Response of *Glycine max* to its Major Parasitic Nematode Pathogen, *Heterodera glycines*. **S.R. Pant**, P.D. Matsye, B.T. McNeece, K. Sharma, A. Krishnavahala, G.W. Lawrence, and V.P. Klink.
- 9:00 Secondary Nutrient Effects on Suppression of *Macrophomina phaseolina* Infection in Soybean. **T. H. Wilkerson**, B.R. Golden, M. Tomaso-Peterson, S. Lu, A.B. Johnson, and T. W. Allen.
- 9:15 Syntaxin 31 Functions in *Glycine max* Resistance to the Plant Parasitic Nematode *Heterodera glycines*. **B.T. McNeece**, S.R. Pant, P.D. Matsye, K. Sharma, A. Krishnavahala, G.W. Lawrence, and V.P. Klink.
- 9:30 Distribution of QoI Resistant Frogeye Leaf Spot Pathogen Throughout the Mississippi Soybean Production System. **J. Standish**, M. Tomaso-Peterson, T.W. Allen, W.F. Moore, S. Sabanadzovic, and N. Aboughanem-Sabanadzovic.
- 9:45 Formulating Biological Control Agents with Bioplastic Granules to Control Agricultural Pests. **H.K. Abbas**.
- 10:00 **Break**
- 10:20 Frogeye Leaf Spot Management in Soybean Settings with Documented Strobilurin-Resistance: A Changing Disease Management Landscape. **T.W. Allen**, T.H. Wilkerson, J.T. Irby, B.R. Golden, P.I. McIntire, and W.J. Mansour.
- 10:40 MSU Plant Virus Research Program: Highlights from the Past 3 Years. **N. Aboughanem-Sabanadzovic and S. Sabanadzovic**
- 11:00 Determining Fitness Cost in QoI Resistant Isolates of the Frogeye Leaf Spot Pathogen. **N. Brochard**, M. Tomaso-Peterson, and T.W. Allen.
- 11:15 MAPPAN Business Meeting
- 12:00 **MEA/MAPPAN Awards Luncheon**

MEA/MAPPAN Award Luncheon 12:00

MEA M.S. Poster Competition (Bost South)

- 1 Emergence of *Helicoverpa zea* (Boddie) from Corn in Mississippi. **T. Dill**, A.Catchot, J. Gore, F. Musser, D. Cook, and M. Caprio.
- 2 Dopaminergic Regulation of Circadian Locomotor Activity and Resistance to Oxidative Stress in *Drosophila melanogaster*. **M. Hanna**, A. Bednarova, K. Rakshit, and K. Krishnan.
- 3 Ornamentation in Hard Ticks (Acari: Ixodidae): Possible Biological Significance and Potential Medical & Veterinary Applications. **S. Schachat** and J. Goddard.
- 4 Impact of Threecornered Alfalfa Hopper, *Spissitilus festinus*, Feeding in Seedling Cotton. **J. Ramsey**, A. Catchot, F. Musser, D. Cook, and J. Gore.

MEA Ph.D. Poster Competition (Bost South)

- 5 Comparison of Insecticide LC50s for *L. lineolaris* from the Delta and Hills Regions of Mississippi. **D. Fleming** and F. Musser.
- 6 The Limited Distribution of Southern Dogface Butterflies to Black Belt Prairies. **J. Schwab** and B. Counterman.
- 7 A Systematic Review of the Seasonality and Distribution of Immature *Amblyomma maculatum* Koch in Mississippi, U.S.A. **J.S. Portugal** and J. Goddard.
- 8 Regional Identification Center's (Raleigh Hub) 2014 Results for Invasive Insect Screening. **J.L. Seltzer**, T. Schiefer, and R. Brown.
- 9 Susceptibility of Lepidopteran Pests to the Diamide Insecticides. **A. Adams**, J. Gore, A. Catchot, D. Cook, and F. Musser.
- 10 The Grasshopper (Orthoptera: Acrididae, Romaleidae) Fauna of Southeastern Grasslands. **J.G. Hill**.

MEA General Posters (Bost South)

- 11 Comparison of Degree-Day Accumulation Models for Predicting Spring Reproductive Populations of *Lygus lineolaris* (Palisot de Beauvois). **K. Parys** and G. Snodgrass.
- 12 A Novel Design for A Mechanical Aspirator Targeting Ant-Sized Insects. **D. Cross**.
- 13 Evaluation of *Beauveria bassiana* Spores Compatibility with a Sprayable Bio-Plastic Formulation to Control Tarnished Plant Bugs. **M. Portilla**, H. Abbas, and C. Accinelli.
- 14 Survey of Spiders on the Sam D. Hamilton Noxubee National Wildlife Refuge. **B. Lyle** and J. Guyton.

4th Annual

MEA MAPPAN Joint Meeting

October 20-21 2014

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