



Regional Workshop to Assess Research and Outreach Needs in Integrated Pest Management to Reduce the Incidence of Tick-Borne Diseases in the Southern US

Tom Harkin Global Communication Center
Centers for Disease Control and Prevention
Atlanta, Georgia

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Workshop to Assess Needs in IPM to Reduce the Incidence of Tick-Borne Diseases in the Southern US

Tick-borne diseases are an important cause of illness in the southern US.

- RMSF – 50% of all cases are reported from NC, SC, TN, AL, MS, AR, and OK
- Human monocytic ehrlichiosis – increasing in prevalence – an under reported disease
- Lyme disease – still controversial – is it an emerging disease in the south?
- Southern Tick-Associated Rash Illness – a Lyme-like disease with an unknown etiology and incidence – is not currently reportable.

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- Gather professional stakeholders for strategic planning to:
 - Establish a core group of scientist who are committed to filling critical knowledge gaps.
 - Explore opportunities for collaboration.
 - Identify potential funding sources.

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- Document the issues and challenges in a report.
 - Chart a course to meet challenges;
 - Recognize common issues and problems;
 - Acknowledge weaknesses of some traditional approaches;

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- Identify gaps in knowledge;
- Identify important areas of research needed to fill knowledge gaps; and
- Describe the resources needed to develop a proactive approach based on IPM principles.

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- Five focus groups composed of professional stakeholders
 - Small group (8-10 participants)
 - Define the issues associated with each focus area
 - Engage in strategic planning to derive solutions or model systems

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- **Disease Surveillance, Laboratory Diagnosis, and Case Reporting**
- **Pathogen Biology and Ecology**
- **Tick Biology and Ecology**
- **Tick Control and Tick Bite Prevention**
- **Institutional Policies and Inter-Agency Interactions**

Coordinating Committee

- **Charles S. Apperson**, Professor, Department of Entomology, North Carolina State University, Raleigh, NC
- **Herb Bolton**, National Program Leader, Army Environmental Programs, USDA, CSREES, Washington, DC
- **Kristen Borré**, Director, Southern Coastal Agromedicine Center, East Carolina University, Greenville, NC
- **Marcia Herman-Giddens**, Tick-Borne Infections Council of North Carolina, Inc., Pittsboro, NC
- **Nolan Newton**, Chief, Public Health Pest Management Section, NC Dept. of Environment and Natural Resources, Raleigh, NC
- **William Nicholson**, Rickettsial Zoonoses Branch, Centers for Disease Control and Prevention, Atlanta, GA
- **Carol Pilcher**, Chair, North Central IPM Center Evaluation and Measurement Working Group, Iowa State University, Ames, IA
- **Susan Ratcliffe**, Director, North Central Region IPM Center, University of Illinois, Urbana, IL

Workshop Sponsors

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