

GAIAC/NAICC Workshop: Fall Armyworm, a Historic Endemic Pest of Grain and Fiber Crops in the Americas, Now Threatens Agriculture Across the Eastern Hemisphere.

Livestreamed for international attendees from NAICC Annual Meeting, Orlando FL, USA

January 25, 2022 - 2:00 PM to 7:00 PM (5:00 AM to 10:00 AM AEDT)

Dr. Robert Meagher, USDA-ARS, Center for Medical, Agricultural and Veterinary Entomology (CMAVE), Gainesville, FL

Sampling Larvae and Monitoring Migrating Adults to Develop Action Thresholds and Area Wide IPM Management Strategies of Fall Armyworm, *Spodoptera frugiperda*.

Presentation of the biology, crop injury and seasonal migration of FAW in the Americas. Review the recent introduction and spread of *S. frugiperda* in the Eastern Hemisphere and discussion of the two strains of FAW. Summary of sampling techniques and monitoring migrating adults to develop action thresholds and area wide IPM management strategies for crops at risk.

Joseph Davis, Lead Data Scientist, FMC Corporation, Philadelphia, PA

Arc™ farm intelligence, a precision agriculture mobile platform based on real-time data being implemented in Brazil that enables growers and advisors to accurately predict pressure from fall armyworm and other migratory insect pests. This platform is the first to use predictive modeling to help ensure proactive and precise application of management actions.

Fernando R. A. Martins (Din Din), Independent Consultant, Agroexata, Campo Grande, Mato Grosso do Sul, Brazil

Management of fall armyworm, *Spodoptera frugiperda*, in maize, soya, and cotton in continuous and overlapping cropping systems in Brazil's tropical to temperate climatic zones.

Dr. David Buntin, Department of Entomology, University of Georgia, Griffin, GA

Fall armyworm as a pest in pastures, grass hay and sweetcorn in Georgia and the southeastern US.

James Todd, Todd Ag Consulting, Plainview, TX

Review of experiences during 2021 fall armyworm outbreaks in sorghum, forage wheat and irrigated corn in the High Plains of Texas.

Dr Melina Miles, Queensland Dept. of Agriculture, Fisheries and Forestry, Toowoomba, Queensland, Australia

Dr. Miles will provide an update on the status of FAW in Australia and the primary crops of concern for economic damage. Outline industry priorities and management strategies for FAW and experienced gained from experience with the first populations in Australia resulting in significant crop damage. Development of sampling programs and economic threshold for application of control measures.

Philip Armytage, AgBiTech, Toowoomba, Queensland, Australia

Field implementation of full season IPM control programs for fall armyworm with timely applications and product alternations to maintain populations below economic thresholds in maize and sorghum.

The entire workshop will be live streamed to encourage Q & A and sharing of field experiences with fall armyworm management in crops at risk. The Workshop will also be recorded and available for viewing later

In-person and on-line participants will be able to share concerns and experiences with the speakers and other participants in the Workshop. A primary objective is to provide a platform where consultants from Australia can share experiences and exchange information with consultants and researchers in the Americas where fall armyworm is native or has been endemic for centuries.

Version 1.5 - 12 January 2022