



# WEED SCIENCE SOCIETY OF NORTH CAROLINA

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Proceedings of the 37<sup>th</sup> Annual Meeting of the Weed Science Society of North Carolina  
March 14, 2019

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**Opening Remarks** – Dr. Kyle Briscoe, Vice-President, WSSNC

### **Guest Speakers**

1. *Managing Herbicide Resistance: Basics, Status and Opportunities*, Dr. Doug Sammons, Monsanto (Ret.).
2. *Utilizing Drone Technology in Agriculture*, Mr. Gabe Supino, PrecisionHawk.
3. *See & Spray – The Use of Deep Learning for Crop and Weed Detection*, Dr. William Patzoldt, Blue River Technology.

### **Student Presentations**

4. *Growth and Seed Production of Palmer Amaranth when Competing with Row Crops in North Carolina*, Mr. DJ Mahoney, North Carolina State University, Department of Crop and Soil Sciences.
5. *Weed Management Evaluation of an Integrated System Combining UAV-based Weed Mapping and a UAV-sprayer*, Mr. Joseph Hunter, North Carolina State University, Department of Crop and Soil Sciences.
6. *Persistence of Atrazine, Topramezone, Mesosulfuron-methyl in Different North Carolina Soils: The First Step in Investigating the Potential for Herbicide Carryover Damage to Soybean (*Glycine max*)*, Ms. Shwetha Ramanathan, North Carolina State University, Department of Crop and Soil Sciences.
7. *Modeling Sicklepod Phenology Patterns Over Chronological, Thermal, and Hydrothermal Time*, Ms. Theresa Piskackova, North Carolina State University, Department of Crop and Soil Sciences.
8. *Autonomous Solutions for Invasive Macrophyte Mapping and Management*, Mr. Andrew Howell, North Carolina State University, Department of Crop and Soil Sciences.
9. *Efficacy of Tank Mixes Containing Linuron for Palmer Amaranth Control in Sweetpotato*, Mr. Levi Moore, North Carolina State University, Department of Horticulture.

## **Guest Comments**

Dr. Jeff Mullahey, Department Head, North Carolina State University, Department of Crop and Soil Sciences. Departmental Updates.

## **Business Meeting**

Mr. Steve Hoyle, North Carolina State University, Department of Crop and Soil Sciences.  
- Financial Report

Mr. Rick Seagroves, North Carolina Department of Transportation.  
- Remembrance of Dr. Bill Lewis  
- New website hosting and address: [www.wssnc.org](http://www.wssnc.org)  
- Reading of minutes from 2018 annual meeting.

Dr. Kyle Briscoe, SePRO  
- Announcement of plaque to Mr. Matt Inman for serving as President.  
- Thanking of corporate sponsors and volunteers.

## **Corporate Sponsors**

Sustaining Sponsors (\$500): BASF Corporation and Syngenta

Contributing Sponsors (\$250): Bayer CropScience and SePRO

## **WSSNC Endowment Award Recipient**

Mr. Denis J. Mahoney

## **Awards and Contests**

Outstanding PhD Student – Mr. Denis J. Mahoney

Outstanding MS Student – Mr. Andrew ‘Drew’ Hare

First Place PhD Poster – Mr. Denis J. Mahoney

Second Place PhD Poster – Mr. Patrick Maxwell

Third Place PhD Poster – Mr. Stephen ‘Cole’ Smith

First Place MS Poster – Mr. Levi Moore

Second Place MS Poster – Mr. Diego Contreras

Third Place MS Poster – Ms. Laney McKnight

## **Officers and Memberships**

Newly Elected Officers:

Vice President: Dr. Wesley Everman, NCSU Department of Crop and Soil Sciences.

Executive Director (Industry): Mr. Allan Howard, BASF Corporation.

Student Representative: Mr. Levi Moore, NCSU Department of Horticulture.

## **Distinguished Service Award**

Mr. Glenn Oliver, BASF Corporation.

## **Adjournment**