



WEED SCIENCE SOCIETY OF NORTH CAROLINA

Proceedings of the 38th Annual Meeting of the Weed Science Society of North Carolina
March 12, 2020

“Bridging the Gap: Communicating Science with the General Public”

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Opening Remarks – Dr. Kyle Briscoe, President, WSSNC

Guest Speakers

1. *Educating Political Hacks and Bureaucrats in DC: Weed Science 101*, Dr. Lee Van Wychen, Executive Director of Science Policy, Weed Science Society of America.
2. *Update on Glyphosate Topics Making the Headlines*, Dr. Frank Wong, Bayer Crop Science.
3. *Communicating Science with the Public*, Tracey Peake, North Carolina State University, Public Communication Specialist.

Student Presentations

4. *Row Spacing and Planting Date effect on the Critical Period of Grass Weed Control in Grain Sorghum in North Carolina*, Mr. Diego Contreras, North Carolina State University, Department of Crop and Soil Sciences.
5. *Tolerance of Blueberry, Strawberry, and Muscadine Grape to 2,4-D Choline*, Ms. Kira Sims, North Carolina State University, Department of Horticulture.
6. *Bioavailability of Atrazine to Soybean (*Glycine max*) and other Sensitive Species in Varying Soil Textures*, Ms. Shwetha Ramanathan, North Carolina State University, Department of Crop and Soil Sciences.
7. *Defining Critical Control Windows Using Emergence and Phenology Models*, Ms. Theresa Piskackova, North Carolina State University, Department of Crop and Soil Sciences.

Guest Comments

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

Posters

1. *Non Target Impacts of Hydrilla and Lyngbya Treatments on Waterwillow (Justicia Americana)*, Jens Beets, North Carolina State University, Department of Crop and Soil Sciences.
2. *Cotton Tolerance to Multiple Exposures of 2,4-D (Enlist One)*, Andrew Blythe, North Carolina State University, Department of Crop and Soil Sciences.
3. *Critical Period of Italian ryegrass Lolium multiflorum Control in No Till Winter Wheat in North Carolina*, Diego Contreras, North Carolina State University, Department of Crop and Soil Sciences.
4. *Effect of Sub-lethal Dicamba Rates on Soybean as Affected by Variety and Maturity Group*, Marco Fajardo, North Carolina State University, Department of Crop and Soil Sciences.
5. *Long Term Management of Submerged Aquatic Vegetation in Lake Waccamaw, NC*, Kara Foley, North Carolina State University, Department of Crop and Soil Sciences.
6. *Adapting a Controlled Environment Moisture Stress Protocol from Perennial to Annual Cropping System*, Marco Granadino, North Carolina State University, Department of Crop and Soil Sciences.
7. *Palmer amaranth (Amaranthus palmeri) Remains Fecund after Surviving Glufosinate Treatments*, Eric Jones, North Carolina State University, Department of Crop and Soil Sciences.
8. *Evidence of Antagonism: Cutleaf Groundsherry (Physalis angulate L.) Control by Glyphosate + 2,4-D*, Joshua Joyner, North Carolina State University, Department of Crop and Soil Sciences.
9. *Evaluating Spray Nozzles at Lower Heights and Pressures for Circular Application*, Haosheng Lin, North Carolina State University, Department of Horticulture.
10. *Evaluation of Shade Cloth to Simulate Palmer Amaranth (Amaranthus palmeri) Competition in Sweetpotato*, Levi Moore, North Carolina State University, Department of Horticulture.
11. *Persistence of Herbicides with Carryover Concern in Soils of North Carolina*, Shwetha Ramanathan, North Carolina State University, Department of Crop and Soil Sciences.
12. *Does Palmer Amaranth (Amaranthus palmeri) Respond to Crop Planting*, Sandy Ramsey, North Carolina State University, Department of Crop and Soil Sciences.
13. *Utilizing Cloud Computing for a Convolutional Neural Network to detect Eichhornia crassipes and Salvinia molesta*, Eric White, North Carolina State University, Department of Crop and Soil Sciences.

Business Meeting

Dr. Kyle Briscoe, President, WSSNC.

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

Awards and Contests

Outstanding PhD Student – Mr. Cole Smith

Outstanding MS Student (tie) – Mr. Diego Contreras

Outstanding MS Student (tie) – Ms. Kara Foley

First Place PhD Poster – Mr. Levi Moore

Second Place PhD Poster – Mr. Eric Jones

Third Place PhD Poster – Mr. Patrick Maxwell

First Place MS Poster – Mr. Joshua Joyner

Second Place MS Poster – Mr. Andrew Blythe

Third Place MS Poster – Mr. Haosheng Lin

Endowment Award Winners – Levi Moore, Kira Simms, Cole Smith

Officers and Memberships

Newly Elected Officers:

Vice President: Dr. Bridget Lassiter, Invasive Weed Specialist, NC Department of Agriculture and Consumer Services.

Executive Director (Academia): Dr. Charlie Cahoon, North Carolina State University, Department of Crop and Soil Sciences.

Executive Director (At-Large): Dr. Denis J. “DJ” Mahoney, Syngenta.

Student Representative: Mr. Joshua Joyner, North Carolina State University, Department of Crop and Soil Sciences.

Distinguished Service Award

Ms. Cathy Herring, North Carolina State University, Central Crops Research Station.

Future Dates:

March 18, 2021

Adjournment