

2023 SCIENCE OF HEMP CONFERENCE - MEETING AGENDA
November 13 - 15, 2023
Auburn University Hotel and Conference Center (AUHCC)
Auburn, Alabama

*All events will take place at the Auburn University Hotel and Conference Center. The welcome social will be in the Terrace Room.
 Meals will be in Grand Ballroom 1 and all presentations will be in Grand Ballroom 2.*

Monday, Nov. 13, 2023

Location

6:00pm - 9:00pm	Welcome Social - Heavy hors d'oeuvres and cash bar - Networking Bingo (with prizes!)	Terrace Room
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Tuesday, Nov. 14, 2023

Location

7:00am - 8:00am	Breakfast	Grand Ballroom 1
	Registration, Poster Set-up	Grand Ballroom 2
8:00am - 8:15am	Welcome (Katelyn Kesheimer and Nicole Gauthier)	Grand Ballroom 2
8:15am - 8:45am	Nicole Gauthier (University of Kentucky), Karla Gage (Southern Illinois University), and Katelyn Kesheimer (Auburn University) <i>S-1084 Multi-state cultivar trial: Disease, weed, and insect ratings</i>	Grand Ballroom 2
8:45am - 11:30am	Student Oral Presentations	

8:45-9:00am	Ibrahim Iddrisu (Alabama State University) <i>Understanding the mechanisms of Salmonella Typhimurium resistance to cannabidiol (CBD)</i>	Grand Ballroom 2
9:00-9:15am	Max Schmidtbauer (Colorado State University) <i>Occurrence of beet curly top virus in hemp in Colorado</i>	
9:15-9:30am	Ivy Thweatt (Alabama State University) <i>Evaluating cultural and biological control techniques for hemp pest management</i>	
9:30am - 9:50am	Break	
9:50-10:05am	Chelsea Lawrence (Auburn University) <i>Insights into trophic interactions: Spider mites, lacewings and coexisting pests in hemp</i>	
10:05-10:20am	Henry Smith (University of Kentucky) <i>Survey and characterization of the Fusarium sambucinum species complex associated with Cannabis sativa in Kentucky</i>	
10:20-10:35am	Julian Cosner (University of Tennessee) <i>Exploring the influence of hemp variety on ovipositional preference of corn earworm and tobacco budworm</i>	
10:35am - 10:55am	Break	
10:55-11:10am	Gorman Saunders (Southern Illinois University) <i>Is mechanostimulation improving cannabis development and cannabinoid concentration?</i>	
11:10-11:25am	Alejandra Velez (Louisiana State University) <i>An overview of integrated pest management practices for corn earworm, Helicoverpa zea, in Southeastern hemp</i>	
11:30am - 12:00pm	Student Poster Presentations	
11:30-11:35am	Kaitlin Creager (Southern Illinois University) <i>The influence of management on weed communities in hemp (Cannabis sativa L.)</i>	

11:35-11:40am	Kyle Owsley (Auburn University) <i>Evaluating the use of the plant growth regulator, uniconazole, on hemp transplants</i>	Grand Ballroom 2 Posters will remain on display through the duration of the meeting
11:40-11:45am	William Hagan (Southern Illinois University) <i>Effect of S-metolachlor on agronomic output of hemp (Cannabis sativa L.)</i>	
11:45-11:50am	Alana De La Riva (Auburn University) <i>Harnessing microbial allies: Fungal and bacterial strategies for improving plant health and pest resistance in hemp</i>	
11:50-11:55am	Ibrahim Iddrisu (Alabama State University) <i>CBD perturbation of aminoglycoside adenylyltransferase of Salmonella enterica subsp. enterica serova Typhimurium activity</i>	
12:00pm - 4:00pm	Lunch & Field Trip Tour of Bonnie's Plants , Union Springs, AL Tour of The Laurel Hotel vertical gardens and rooftop gardens , Auburn, AL	Load bus outside AUHCC; boxed lunches and beverages provided
6:00pm - 9:00pm	Banquet - Student competition awards - Cannabis trivia (with prizes!) - Dinner and cash bar	Grand Ballroom 1

Wednesday, Nov. 15, 2023

		Location
7:00am - 8:00am	Breakfast	Grand Ballroom 1
	Poster Viewing	Grand Ballroom 2
8:00am - 8:30am	Alvaro Sanz-Saez (Auburn University) <i>Hemp phenotypic variation to drought and implications for water use efficiency</i>	Grand Ballroom 2

8:30am - 2:00pm	General Session	
8:30-8:42am	James DeDecker (Michigan State University) <i>Grain and fiber hemp cultivar performance in the Midwest US: Findings of the Midwestern hemp research collaborative project</i>	
8:42-8:54am	Phillip Alberti (University of Wisconsin - Madison) <i>The Cultivar Check Program: Participatory on farm research to determine compliant hemp cultivars</i>	
8:54-9:06am	Esther S Durairaj (Michael Fields Agricultural Institute) <i>Rates and dates: An agronomic inquiry into fiber hemp for the Midwest US</i>	
9:06-9:18am	Jose Leme (Southern Illinois University) <i>Cannabis production: Increasing excitement and advancing CEA technology</i>	
9:18-9:30am	Wayne Morgan (North Carolina State University) <i>Investigating the effects of drought intensity and timing on arthropod communities in Western North Carolina hemp (Cannabis sativa L.)</i>	
9:30am - 9:50am	Break	
9:50-10:02am	Raul Villanueva (University of Kentucky) <i>Control of hemp russet mite using conventional and organic products</i>	Grand Ballroom 2
10:02-10:14am	Jera Dills (Auburn University) <i>Corn earworm (Helicoverpa zea) feeding preference and fitness consequences with sweet corn and hemp diets</i>	
10:14-10:26am	Junhuan Xu (Alabama State University) <i>Exploring the impact of CBD content on aphid population and detoxification of genes regulation in hemp cultivars</i>	
10:26-10:38am	Armando Falcon (University of Kentucky) <i>Factors affecting parasitism levels of Helicoverpa zea (Lepidoptera: Noctuidae) in hemp systems</i>	

10:38-10:50am	Jacob MacWilliams (Colorado State University) <i>Adaptive role of cannabinoids in hemp-aphid interactions</i>	
10:50-11:02am	Olufemi Ajayi (Alabama State University) <i>Helicoverpa zea survival and feeding preference on CBD hemp</i>	
11:02-11:14am	Magdalena Ricciardi (University of Kentucky) <i>Generating tools for growers: Biological control of corn earworm</i>	
11:15am - 12:30pm	Lunch	Grand Ballroom 1
12:30-12:42pm	Kim Leonberger (University of Kentucky) <i>Connecting the pieces: Translating hemp research to growers through Extension activities</i>	Grand Ballroom 2
12:42-12:54pm	Marguerite Bolt (Purdue University) <i>What issues do current and prospective hemp growers face? Survey says: pests, agronomics, and marketing barriers</i>	
12:54-1:06pm	Kimberly Gwinn (University of Tennessee) <i>What do we do with leftovers? Biopesticidal hemp by-products</i>	
1:06-1:18pm	Misbakhul Munir (University of Kentucky) <i>Leaf spot disease development and its relationship with yield of essential oil-producing hemp cultivars in Kentucky</i>	
1:18-1:30pm	Joseph Ayariga (Alabama State University) <i>Prolonged CBD pressure mediates higher expression of flgA in Salmonella Typhimurium</i>	
1:30pm - 2:00pm	Wrap-Up: Survey, Next Meeting	

	General Poster Session	Location
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Posters will be on display through the duration of the meeting	Marguerite Bolt (Purdue University) <i>Hemp diagnoses from 4 Midwest states, Year 1</i>	Grand Ballroom 2
	Jera Dills (Auburn University) <i>The influence of nitrogen application rate on outdoor floral hemp in the southeastern United States</i>	
	Armando Falcon (University of Kentucky) <i>Evaluating the damage of three commonly overlooked insects in Hemp</i>	
	Wayne Morgan (North Carolina State University) <i>CBD:THC ratio of hemp (Cannabis sativa L.) is affected by drought stress and floral progression</i>	
	Ivy Thweatt (Alabama State University) <i>Biological control of two-spotted spider mites (Tetranychus urticae) in greenhouse hemp</i>	
	Raul Villanueva (University of Kentucky) <i>Assessing yields in grain hemp as result of damage levels caused by corn earworm</i>	
	Anna Williams (Auburn University) <i>Will intraguild predation by lacewings (Chrysoperla sp.) affect biological control of two-spotted spider mites (Tetranychus urticae) in cannabis?</i>	