

S1084 Annual Meeting

North Carolina State University

February 15th - Annual Meeting at the Plant Sciences Building (<https://cals.ncsu.edu/psi/psb/>),
840 Oval Dr, Raleigh, NC

February 16th - Optional Field Trip to Bast Fiber Technologies – Lumberton, NC

<https://www.bastfibrettech.com/>

Registration Fee - \$40 per person to cover the costs of meals and breaks.

There is no fee for virtual attendees.

Registration Link - (Please register by February 1st, 2024)

<https://www.eventbrite.com/e/s-1084-hatch-multi-state-project-in-person-meeting-tickets-739449552517?aff=oddtcreator>

Draft Agenda:

7:30am: Arrive at Plant Sciences Building for light breakfast.

8:15am: Walk to the College of Textiles for tour (<https://textiles.ncsu.edu/>).

10:30am: Return to Plant Sciences Building & Virtual Attendees Log-On

Zoom links will be provided to all those that register as a virtual attendee.

The virtual option is only for the morning session.

10:45am: Welcome to Annual Meeting - *Heather Darby (UVM) and David Suchoff (NC State)*

11:00am: Updates NIFA Representatives – *Mac Bisoondat and John Erickson*

11:15am: Updates USDA Hemp Program – *Bill Richmond, U.S. Domestic Hemp Production Program*

11:30am: Farm Bill Discussion as related to hemp –*Tyler Mark (UKY) & Zach Brym (UFL)*

12:00pm: Lunch (provided) & Review of State Reports

*Each state will provide one slide that highlights hemp work, projects, outreach, research, etc in their state. These will be assembled into a slide show that plays during the lunch hour. **Please send your slide by February 10th to heather.darby@uvm.edu***

1:00pm: S1084 Renewal & Proposed Work

S1084 leads for each Objective will briefly discuss proposed work (one slide) and where synergies exist with other objectives. Highlighting possible collaboration needed with other teams.

1. Breeding, Genetics, and Genomics: Shelby Ellison

- Collect and curate hemp germplasm within the United States
- Develop marker systems for genomic analysis for genetic mapping and to catalog genetic variation.
- Develop pipelines for phenotypic analysis for characterizing variation due to genetics and environment.
- Investigate the genetic basis of yield and quality in floral, grain, and fiber hemp market classes.

2. Agronomy and Sustainability: Bob Pearce & Zach Brym

- Deploy common trial design and data management standards within a public forum and database repository.
- Review available commercial and experimental hemp cultivars for agronomic performance and regional adaptability targeting specific products/markets.
- Characterize fertility and water demands of the crop in conventional and organic systems to calibrate stand establishment, efficient management practices, optimum crop yield and quality, while minimizing environmental impact.
- Establish hemp cropping systems to maximize ecosystem services through variety selection, conservation management, crop rotation, and enhanced biodiversity which limits inputs, controls weeds, improves soil, sequesters carbon, fosters wildlife, and supports social equity.

3. Sustainable Pest Management: Chris Smart & Nicole Gauthier

- Develop a repository for pest, weed, and disease management and resistant cultivar data. Our members often conduct fungicide, insecticide, and herbicide trials and/or evaluate cultivars for sources of resistance.
- Develop an image database.
- Monitor reach and document impact of resources and stakeholder contacts.

4. Product Quality, Market Development, and Economics: Tyler Mark

- Identify regional hemp production costs and practices.
- Define engineering and processing needs for crop and product quality targets across hemp crop types.

- Assess crop value and quality differences when grown in different cropping systems and for different crop types.
- Update production budgets for different cropping systems and crop types. These should include budgets for grain, fiber, floral and dual cropping systems.

2:00pm: Coffee/Snack Break

2:30pm: Breakout Groups for each Objective Team to discuss 2024 workplan.

Leads for each Objective will work with other S1084 members to plan work for 2024.

4:00pm: Reconvene as full group.

Wrap-up of day, discuss any next steps that need to be shared with the full group, logistics for field trip on the 16th.

Optional Field Trip on February 16th

Bast Fibre Technologies – Lumberton, NC (<https://www.bastfibretech.com/>)

*Bast Fibre Technologies is 1 hour and 45 minutes from Raleigh, NC. The company will host two tours for our group with a **maximum of 10 participants** in each tour. The first tour will be at 10am and the second tour at 1pm. Please use the google form link to sign-up as soon as possible since participation will be on a first come first serve basis.*

Sign-up Link:

[https://docs.google.com/forms/d/e/1FAIpQLSfpQH6dILOZnptGQAx_gWm_9Lj3r0KDAHTtisK3X0N5_XsiXA/viewform?usp=sf link](https://docs.google.com/forms/d/e/1FAIpQLSfpQH6dILOZnptGQAx_gWm_9Lj3r0KDAHTtisK3X0N5_XsiXA/viewform?usp=sf_link)

HOTEL OPTIONS

There are many hotel options in Raliegh but here are a few recommendations. Please note there are no hotels within walking distance of the Plant Sciences Building at NC State.

[The Longleaf Hotel](#)

[The Casso Hotel](#)