

Brown Spot Needle Blight Assessment Workshop

August 2-3, 2023

Forestry & Wildlife Building - Room 2217

AGENDA

<u>TIME</u>	<u>EVENT</u>	<u>SPEAKER</u>
<i>Wednesday – August 2</i>		
11:00 – 1:00	Registration	Jessica Baldwin
1:00 – 1:20	Welcome and Introductions	Dr. Lori Eckhardt FHC Director
1:20 – 1:30	Workshop Objectives and Housekeeping	Dr. Lori Eckhardt FHC Director
<i>Extent and State of Knowledge</i>		
1:30 – 1:40	Current brown spot needle blight on loblolly In Arkansas	Dr. Michael Blazier Univ. of Arkansas
1:40 – 1:50	Current brown spot needle blight on loblolly in Alabama	Mr. Hunter Moncrief AFC
1:50 – 2:00	Current brown spot needle blight on loblolly in Mississippi	Dr. John Riggins Mississippi State Univ.
2:00 – 2:10	Current brown spot needle blight on loblolly in Louisiana	Mr. Tyler Cloud LA Dept of Agri & For
2:10 – 2:20	Southeast update of brown spot needle blight on loblolly pine across the southeast	Dr. Rabiul Olatinwo USFS, SRS
2:20 – 2:40	Loblolly pine potential genetic and nutritional BSNB resistance patterns	Al Lyons Manulife Invest. Mgmt.
2:40 – 3:00	Questions and Open Discussion	Dr. Lori Eckhardt FHC Director
3:00 – 3:30	BREAK (and Group Picture)	
<i>Grant Update</i>		
3:30 – 3:40	Mitigating needle blight: A growing economic threat to pine forests – project overview	Dr. Lori Eckhardt FHC Director
3:40 – 3:45	Component 1 Update: Inoculation protocol Development for <i>Lecanosticta acicola</i> to develop a	Dr. Lori Eckhardt FHC Director

	screening method to determine strain aggressiveness and seedling tolerance	
3:45 – 4:00	Isolation and identification of <i>Lecanosticta acicola</i> and other foliar pathogens	Emmanuel Nyarko MS Student
4:00 – 4:05	Isolation and identification of foliar pathogens from sporulation chambers	Andrew Howard UG Research Assistant
4:05 – 4:25	Component 2 Update: The environmental factors that drive the emergence and severity of infection from <i>Lecanosticta acicola</i> across Alabama	Dr. Lori Eckhardt Dr. Joseph Fan CFWE
4:25 – 4:40	<i>Pinus taeda</i> growth effects and response to the spread of <i>Lecanosticta acicola</i>	Jaden King PhD Student
4:40 – 4:45	Does brown spot needle blight affect loblolly pine Growth?	Maddox Golden UG Research Assistant
4:45 – 5:00	Assessing near-infrared spectroscopy coupled with a chemometric model for <i>Lecanosticta acicola</i> detection in loblolly pine	Christian Rivera MS Student
5:00 – 5:30	Questions and Open Discussion	Dr. Lori Eckhardt FHC Director

5:30 Adjourn for dinner (CFWE Conference Hall - Room 1101)

Thursday – August 3

7:30 – 8:30 BREAKFAST (CFWE Conference Hall Room - 1101)

8:30 – 8:45	Component 3 Update: Detection and movement of <i>Lecanosticta acicola</i> with remote sensing	Dr. Lana Narine CFWE
8:45 – 9:00	Detection of brown spot needle blight using UAV Remote sensing	Swati Singh Ph.D. Student
9:00 – 9:15	Component 4 Update: Genetic diversity of <i>Lecanosticta acicola</i> , pathogen origins, and invasion history	Dr. Janna Willoughby CFWE
9:15 – 9:30	Using genetic variants and pathogenicity of the fungal pathogen <i>Lecanosticta acicola</i> to combat needle blight disease	Temitope Folorunso Ph.D. Student
9:30 – 9:45	Genomic diversity and evolutionary history of <i>Lecanosticta acicola</i> on pine host species	Gabriel Silva Ph.D. Student
9:45 – 10:00	USFS Component: Environmental triggers and seasonal changes in the mycobiome on symptomatic and asymptomatic loblolly pine needles	Dr. Rabiun Olatinwo USFS Plant Pathologist

10:00 – 10:15	Component 5 Update: Extension and outreach activities	Ryan Mitchell ACES
10:15 – 10:45	Final Discussion and Thoughts – Questions	Dr. Lori Eckhardt FHC Director
10:45	Adjourn for Attendees – Have a Safe Trip Home!	
10:45 – 11:15	BREAK (FHC Member Representatives)	
11:15 – 1:30	Working Lunch and Business Meeting (<i>FHC Member Representatives Only</i>)	Dr. Lori Eckhardt FHC Director
1:30	Adjourn for FHC Members – Have a Safe Trip Home!	