Using Sporulation Chambers to Study BSNB Infection Trends

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Background

Obligate parasite of pine needles

Needs host to live

Sporulation chambers offer what *L. acicola* needs to survive



Objectives

1. Determine areas with highest BSNB infection rates

2. Determine months with highest instances of BSNB

3. Identify trends of other pathogens coinhabiting needles

Collecting Needles

55g per tree

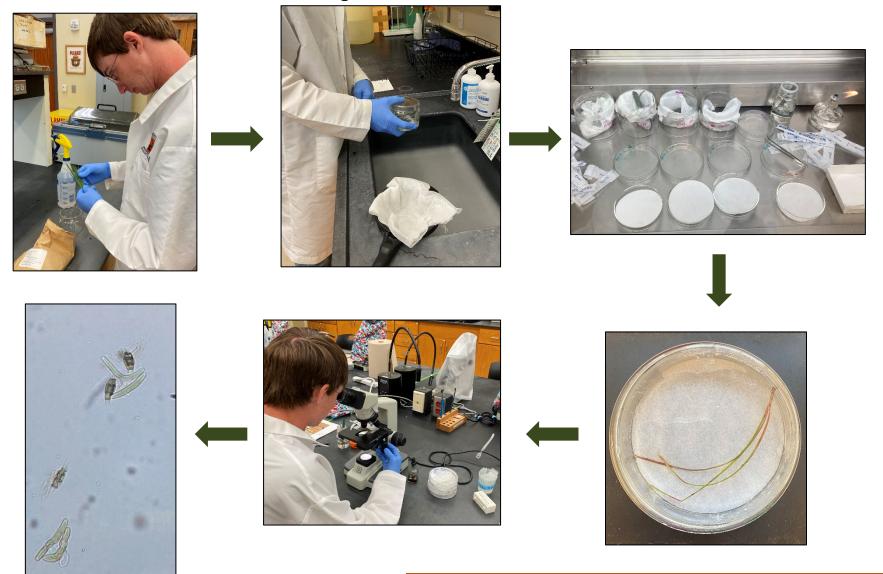
1 tree per subplot

4 chambers per tree

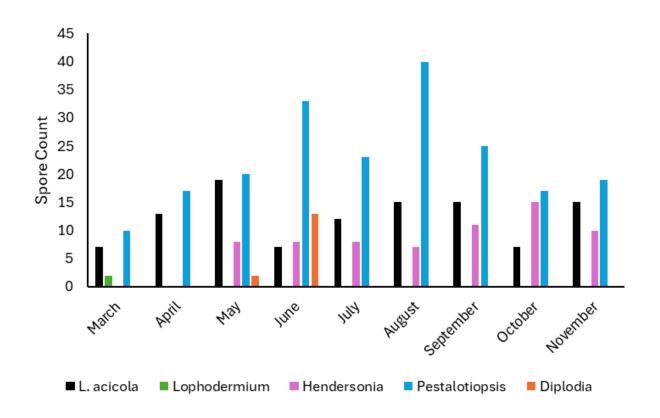




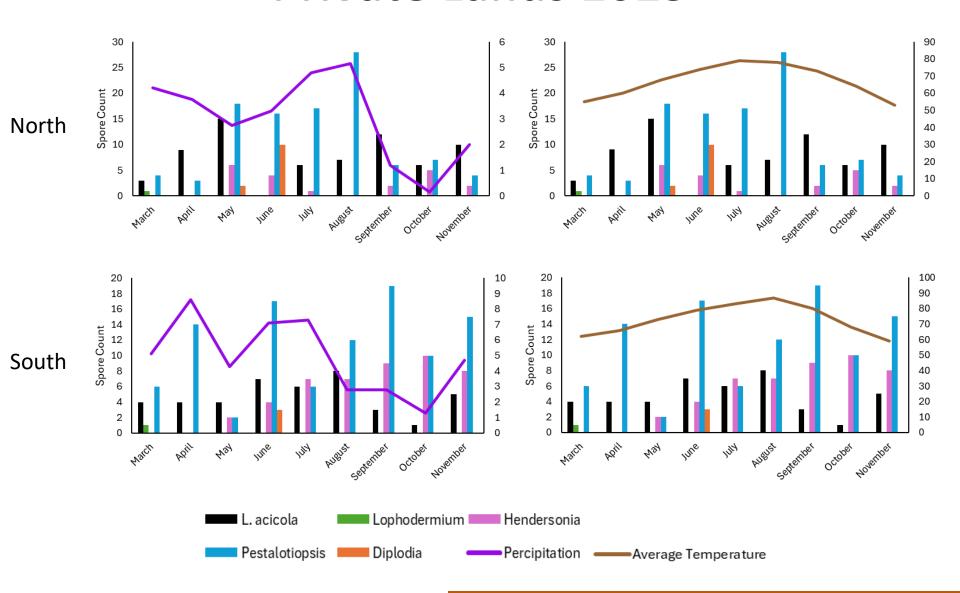
Methods-sporulation chambers



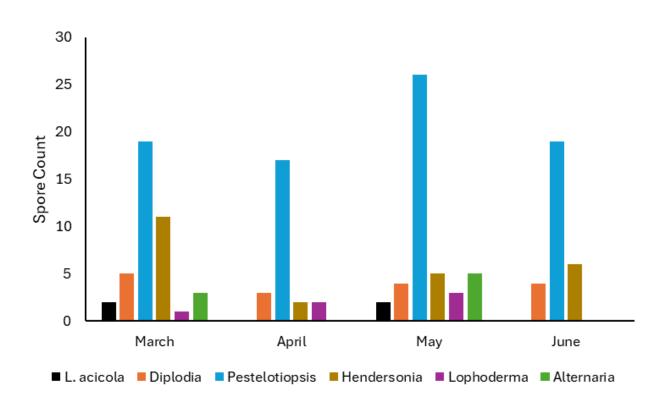
Totals from Private Lands 2023



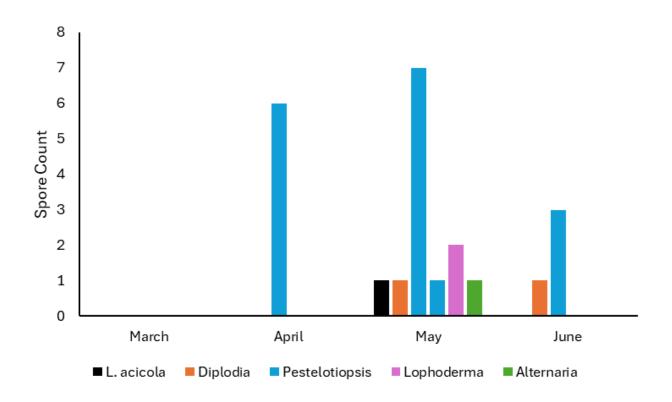
Private Lands 2023



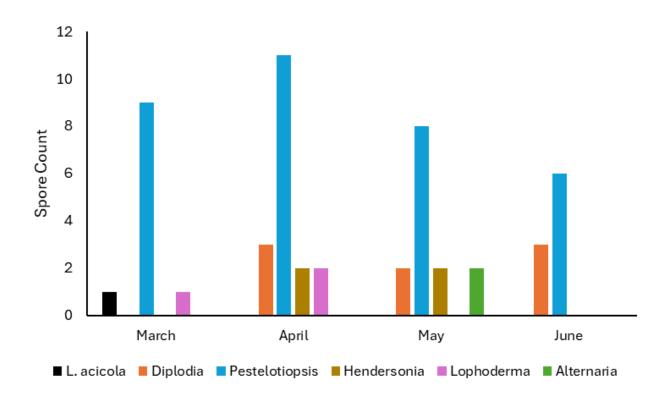
National Forests (March-June 2024)



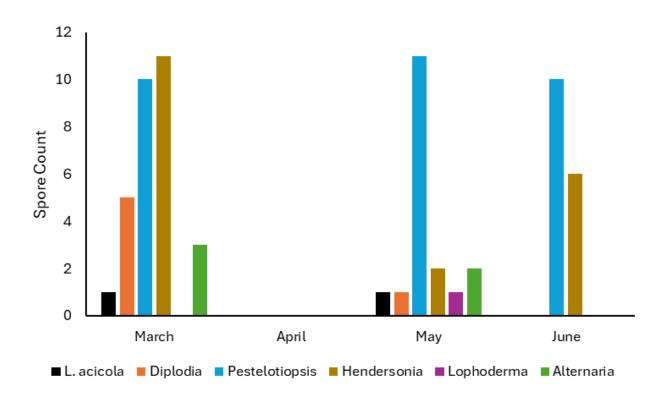
Conecuh



Tuskegee



Bankhead



Acknowledgements

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Questions

