# Resampling beech bark disease severity over time in a chronosequence

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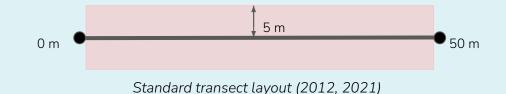
#### What is beech bark disease?

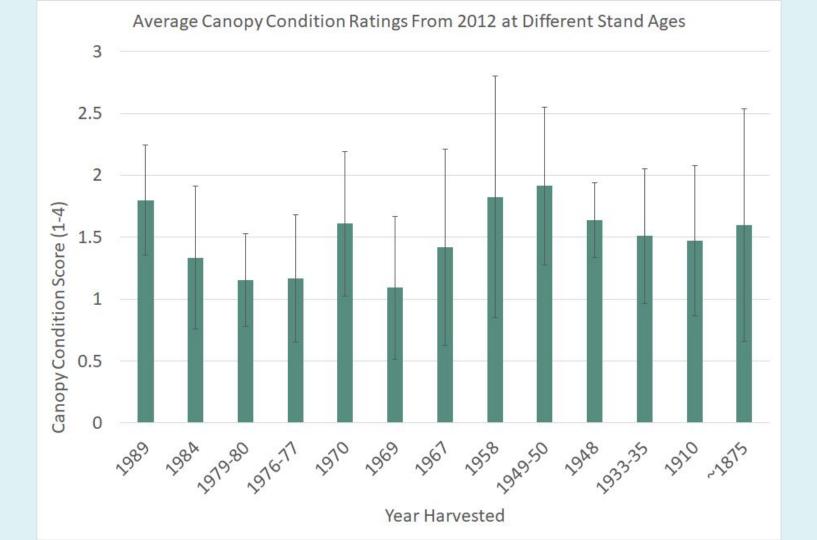
- Insect-fungus complex
  - Insect: Cryptococcus fagisuga
  - Fungi: Neonectria ditissima, faginata
- Canker disease
  - Causes girdling

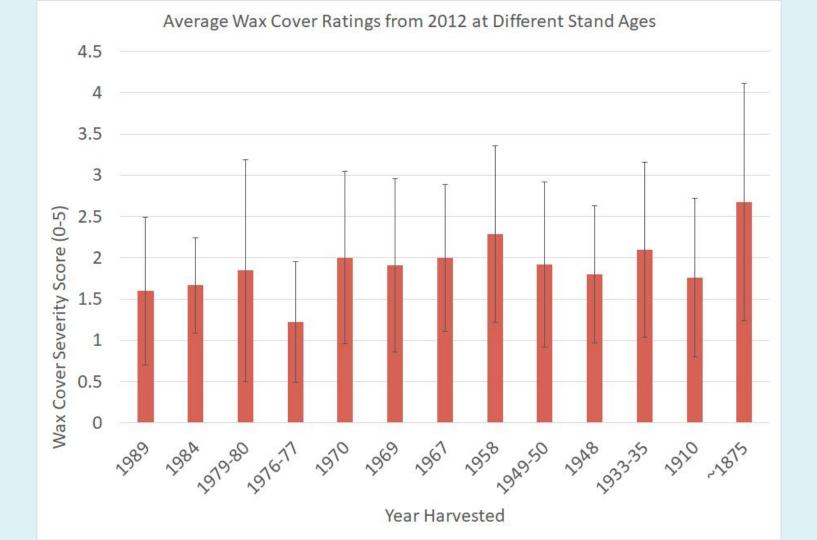
#### **Methodology**

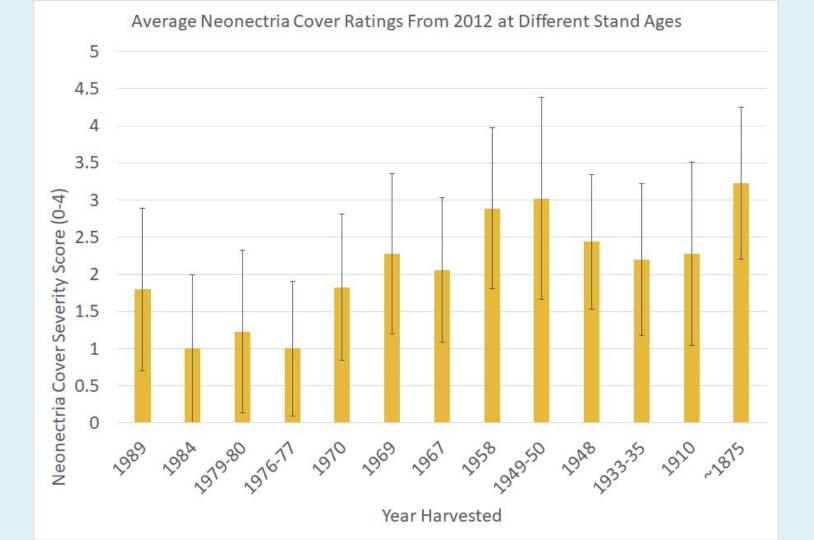
- 5 transects, 13 chronosequence stands
- DBH measurement
- John Cale BBD Scoring System
  - $\circ$  Wax secretion cover
  - Neonectria fungus presence
  - Tree condition
- Data Analysis
  - Simple Linear Regression
  - Two-way ANOVA













## What am I doing?

- Re-sampling to assess progression
- Has severity increased?
- Stand age effect?





## Acknowledgements

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