

The background of the slide is a photograph of a green plant, possibly a grass or a similar leafy plant. A green caterpillar is visible on one of the leaves, and there are some brown spots on another leaf, suggesting insect damage or disease. The text is overlaid on a semi-transparent white box.

USDA ARS SRU Insect Research Update

Louisiana Agricultural Technology & Management
Conference, Marksville, LA
10 February 2022

A photograph of a truck bed filled with harvested sugarcane stalks. The stalks are bundled together and secured with pink straps. Some stalks show signs of damage, including holes and discoloration, likely from the sugarcane borer (SCB). The background shows a rural setting with a fence, trees, and a building.

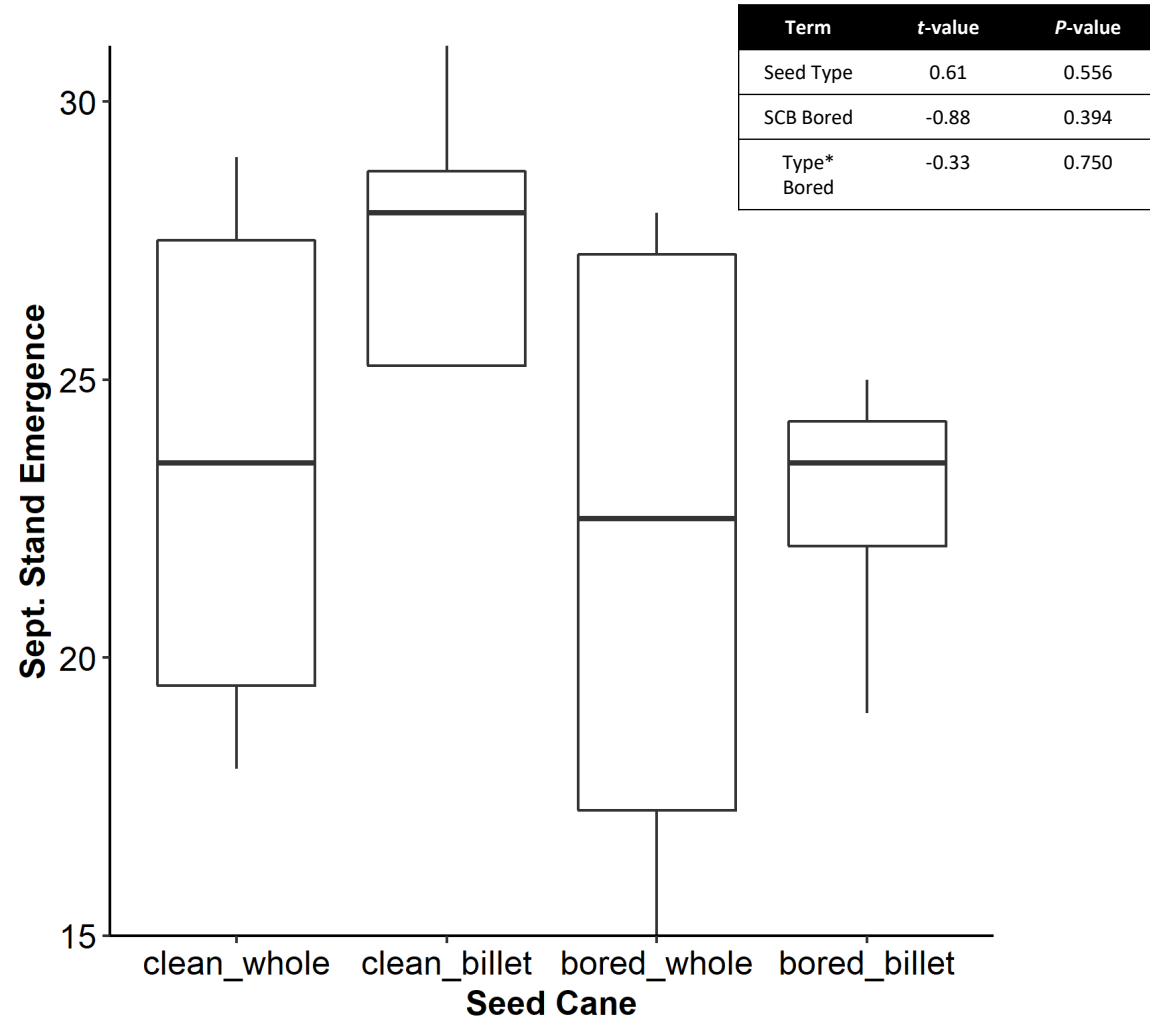
Seed Cane Type vs SCB Borer Damage

Bored Billet Seed Cane Study

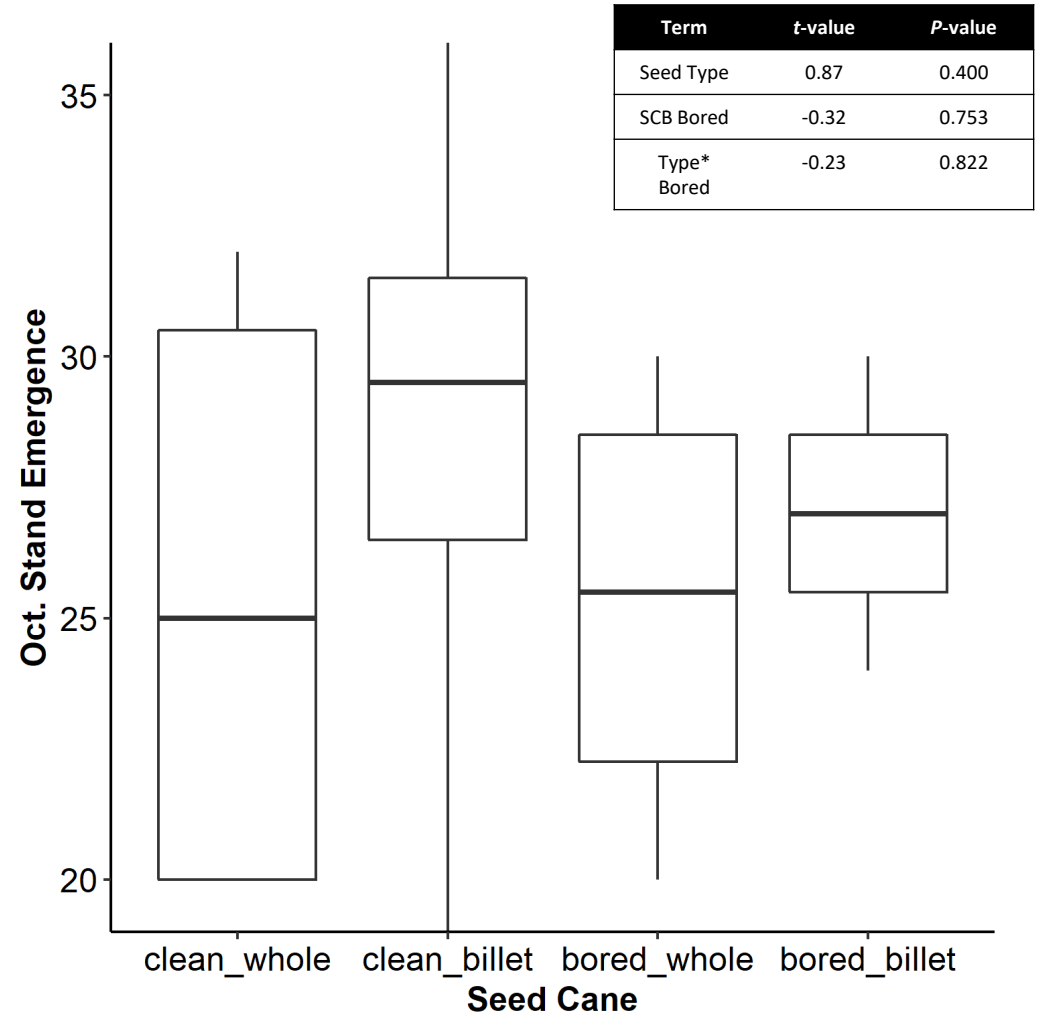
- Planted HoCP 00-950 Fall 2020
 - Billet × Whole Stalk
 - SCB Bored (35%) × Clean (0%)
- Looked at
 - Stand emergence
 - 2021 Yield



Fall 2020 Emergence

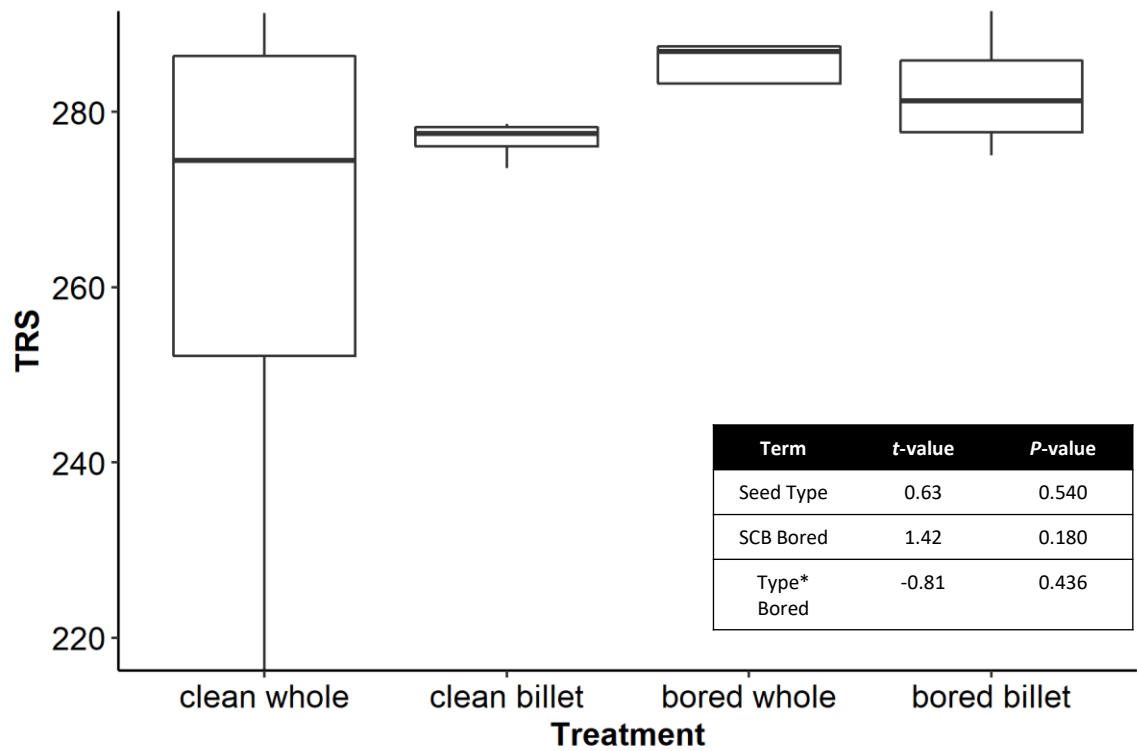
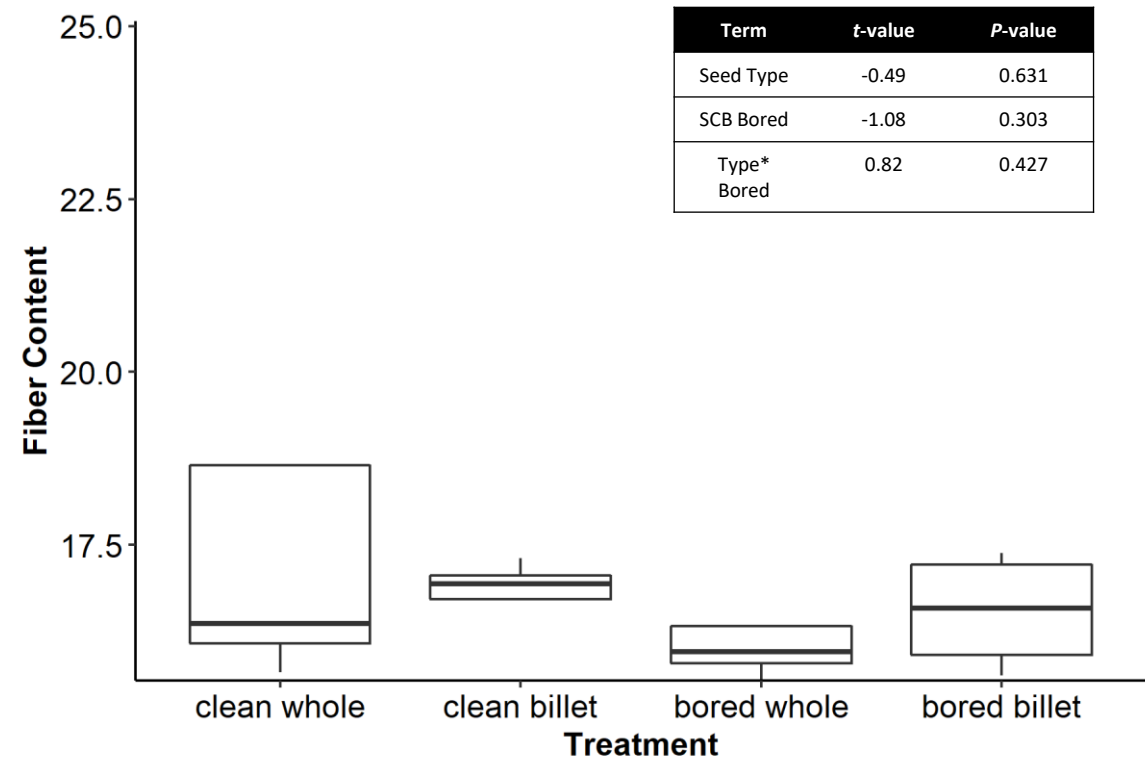


No differences



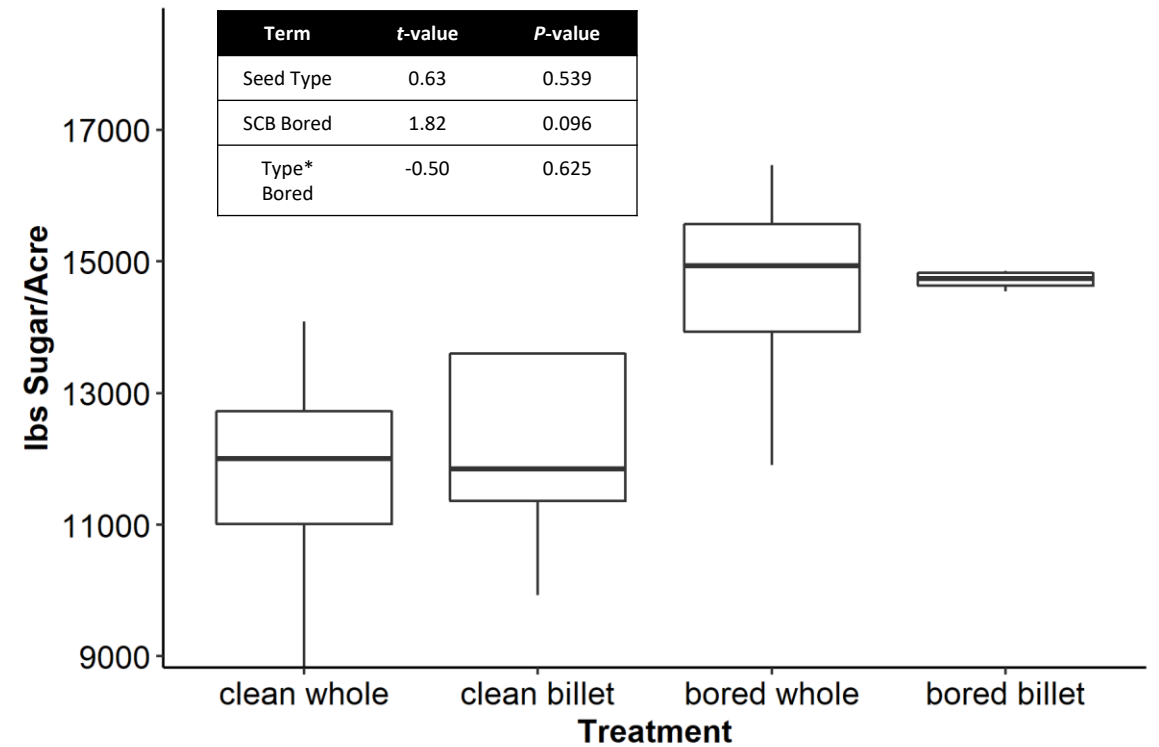
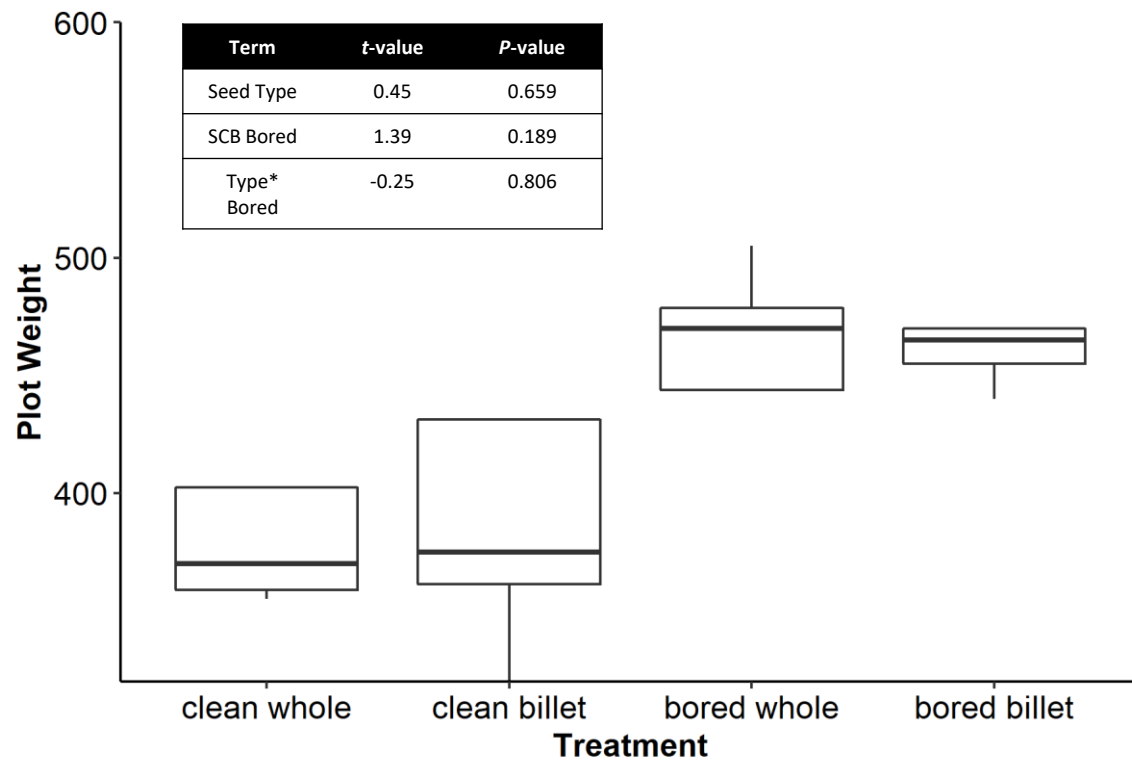
Plant Cane Juice Contents

No differences

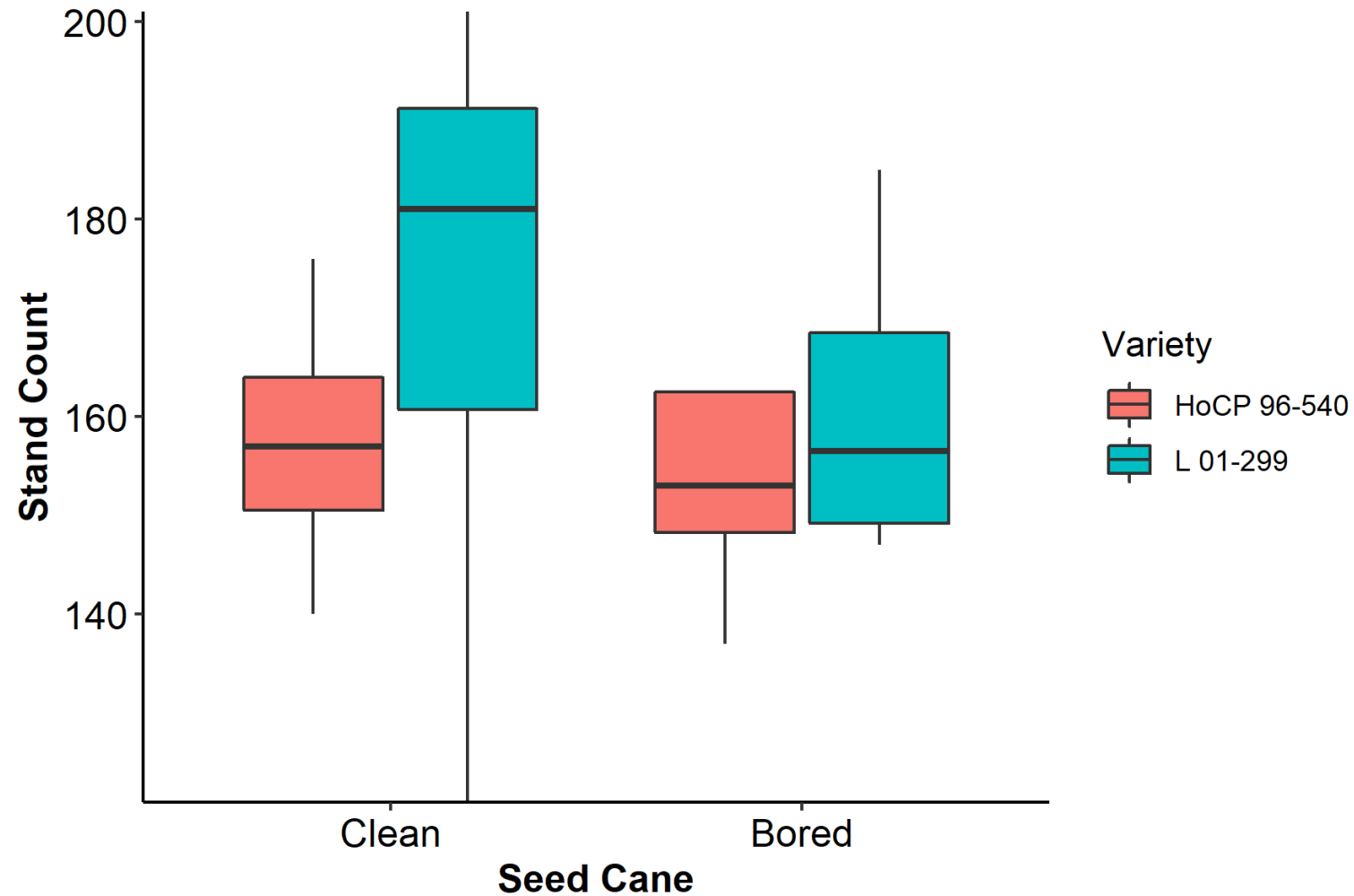


Plant Cane Yield

*Will keep an eye for differences in
plot weight during 1st stubble in
2022*



Prior *whole stalk* work from Wilson & Richard



The background image shows a natural landscape. In the foreground, there is a sandy area with some sparse green plants. A body of water, possibly a pond or a slow-moving stream, is visible in the middle ground, surrounded by tall, dense green grass. In the background, there is a line of trees and a cloudy sky. The text "Seed Treatment of Bored Billets" is overlaid on the image in a large, black, sans-serif font.

Seed Treatment of Bored Billets

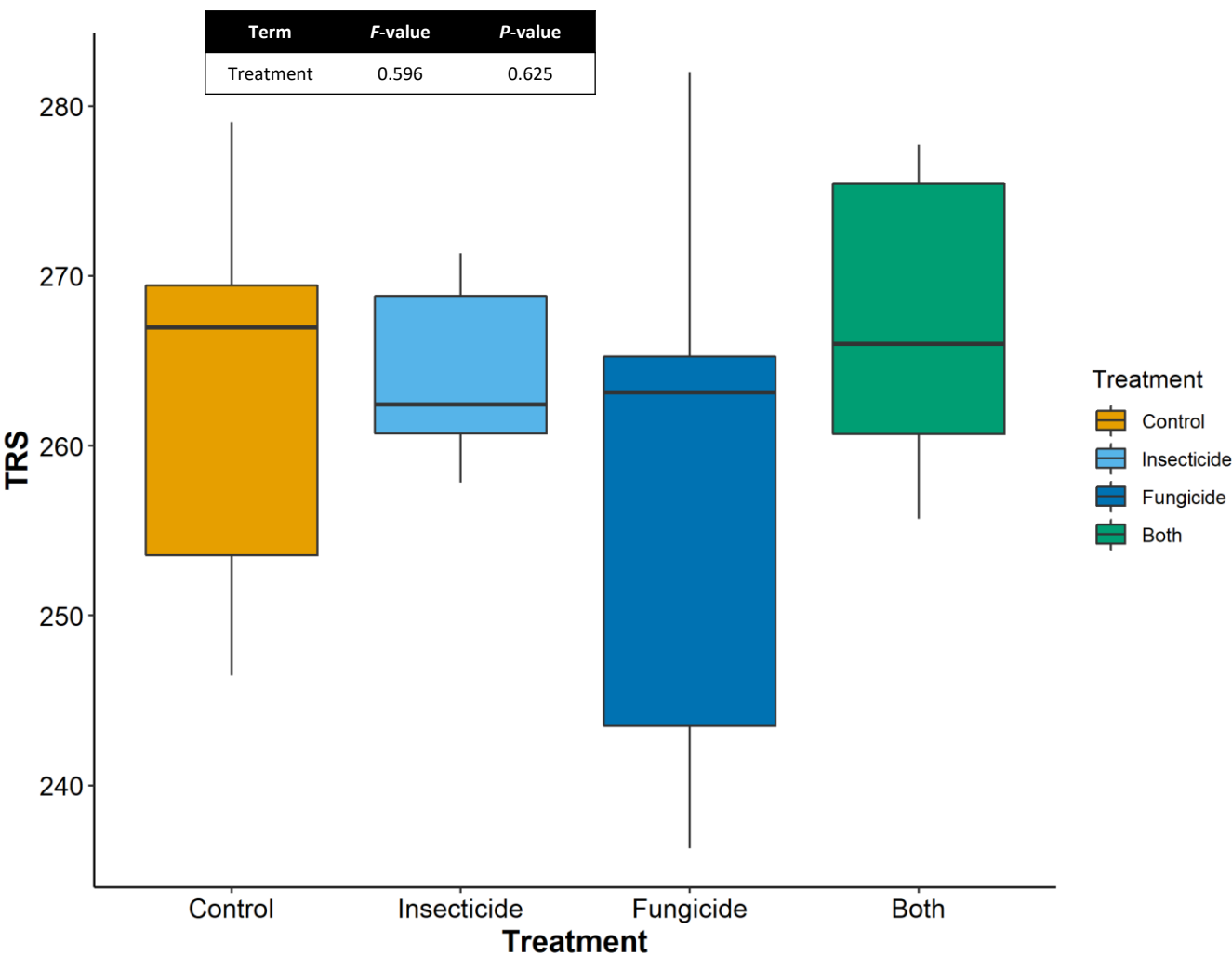
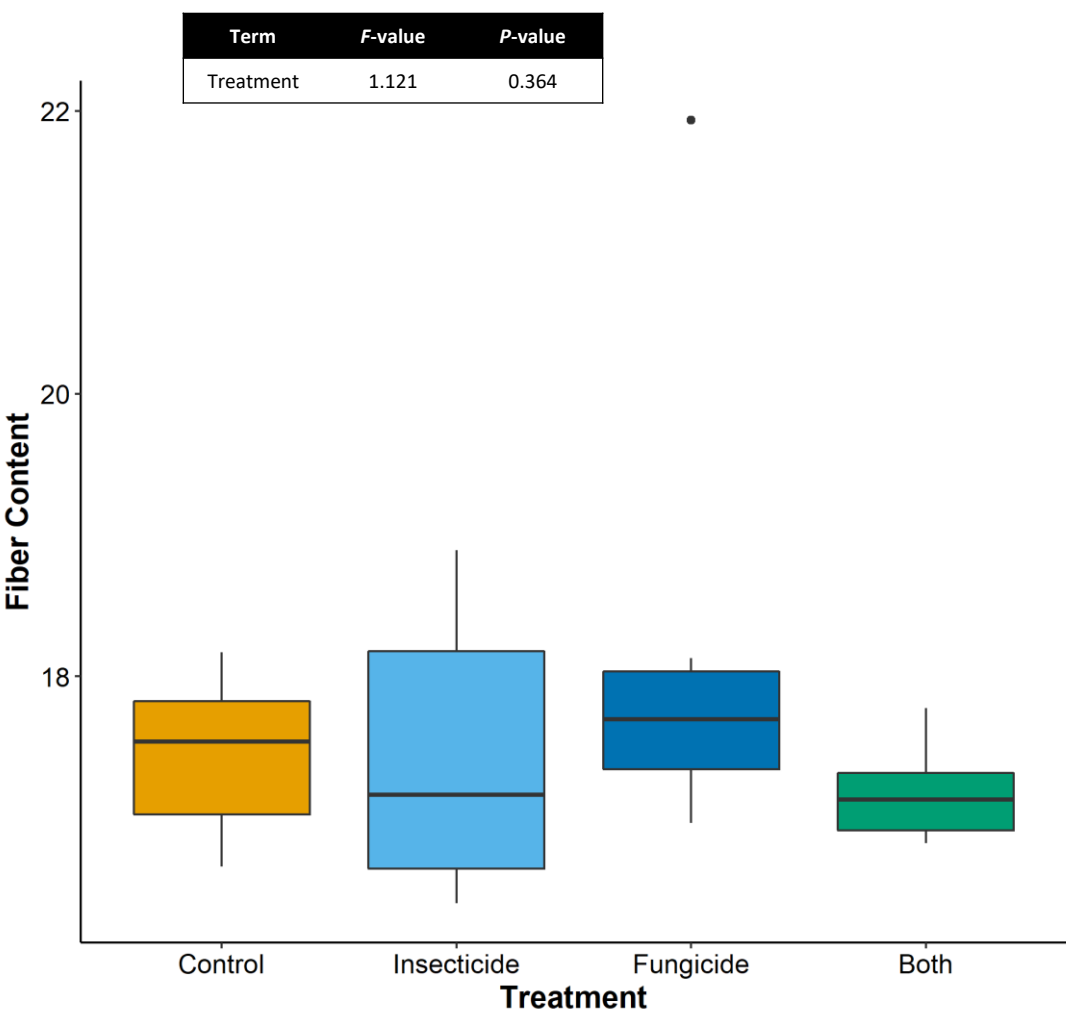
Seed Treatments on Bored Billets

- Planted HoCP 00-950 Fall 2020
 - SCB Bored ~11.5%
 - Treatments:
 - Control
 - Insecticide (Platinum)
 - Fungicide (QuiltXcel)
 - Insect. + Fung. (tank mix)
 - In-furrow spray before covering
- Looked at
 - Yield
 - Non-target effects on fire ants

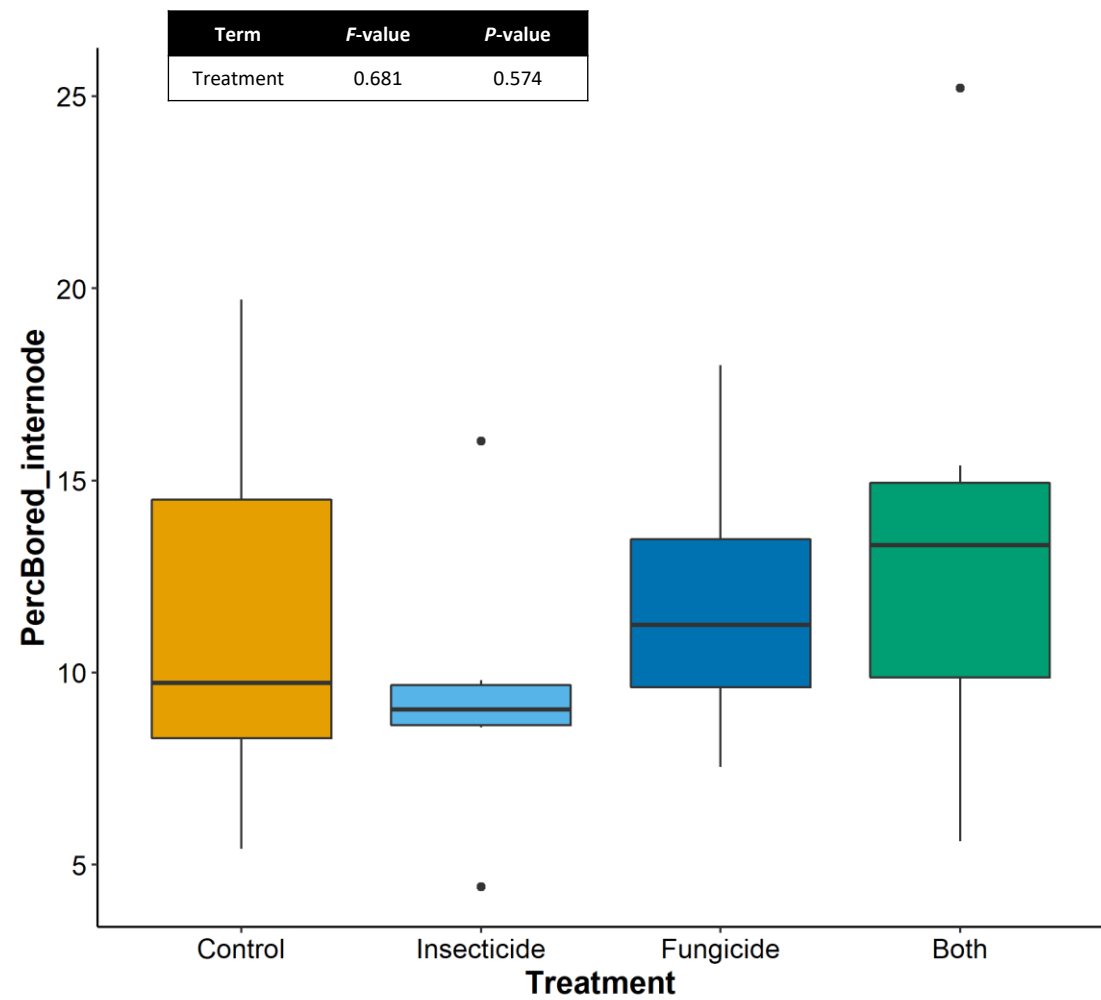


Plant Cane Juice Contents

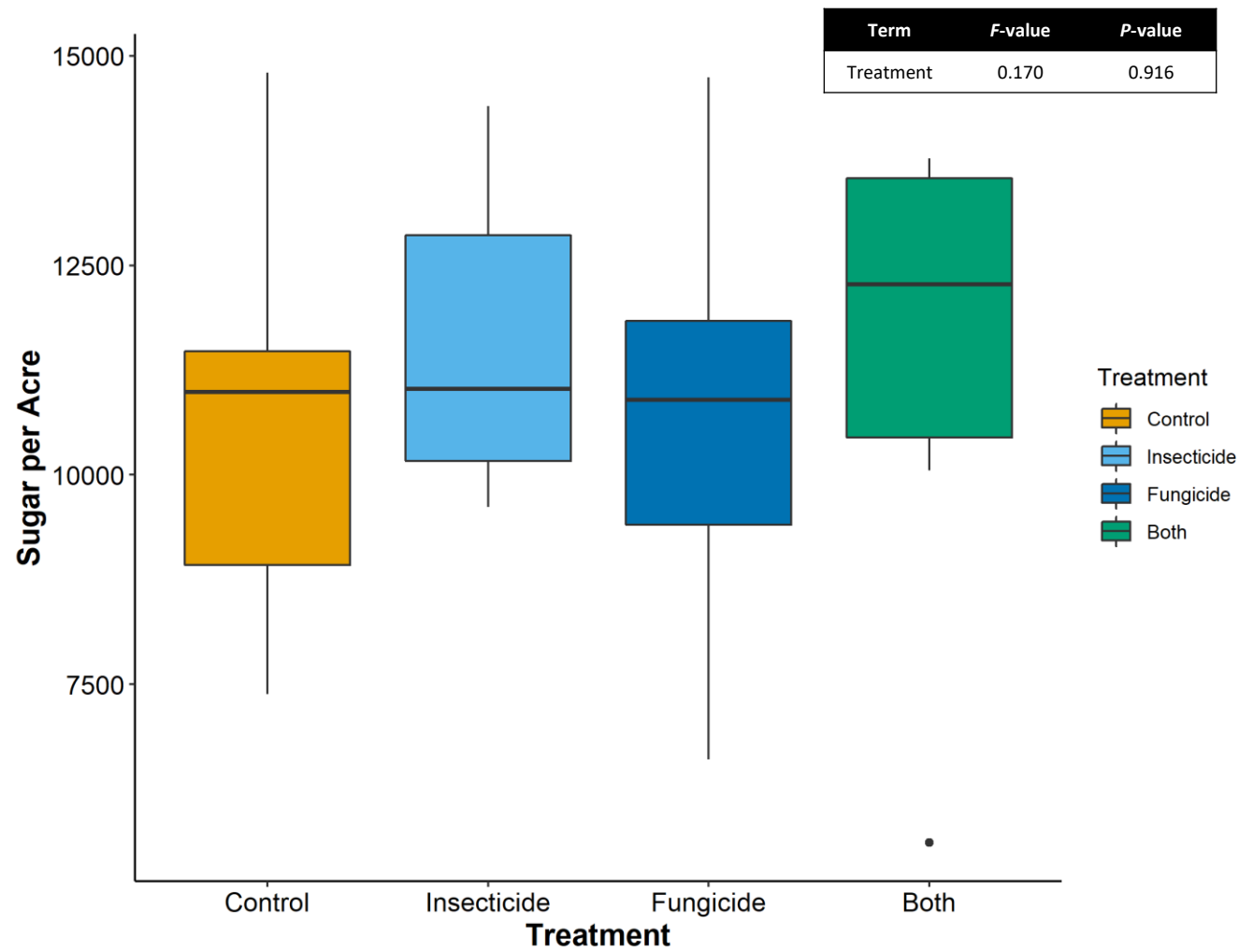
No differences



Plant Cane Yield

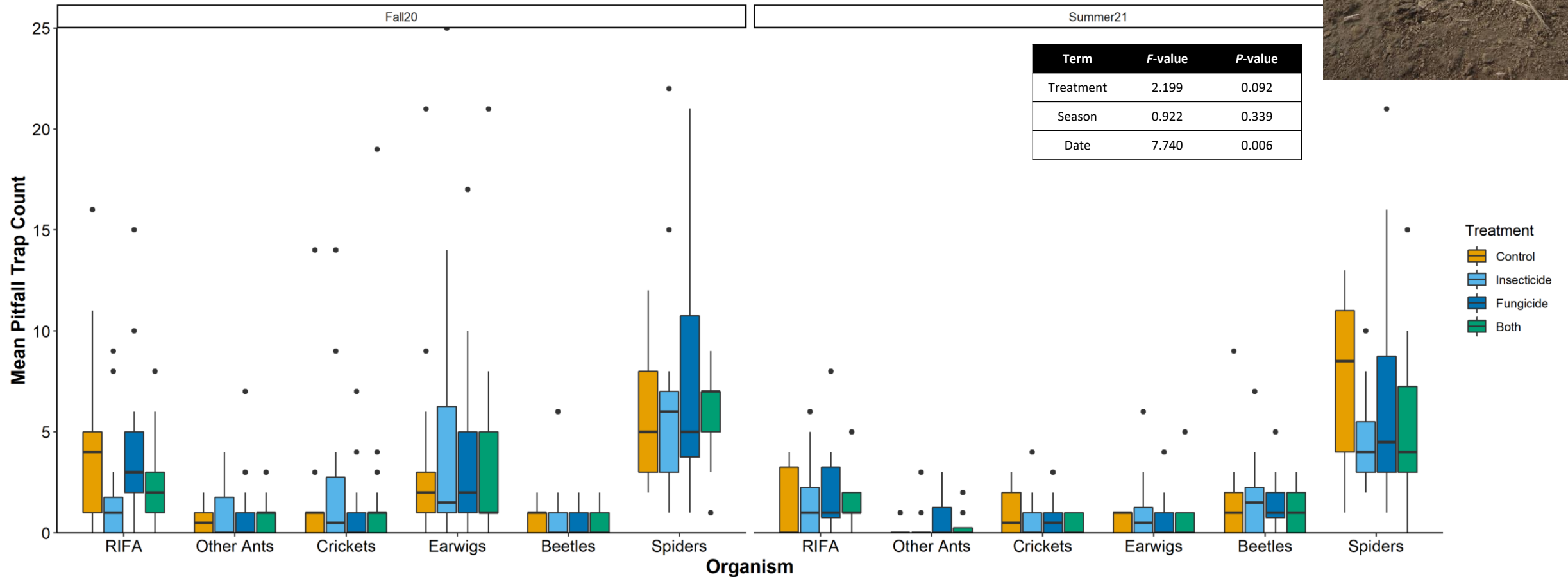


No differences



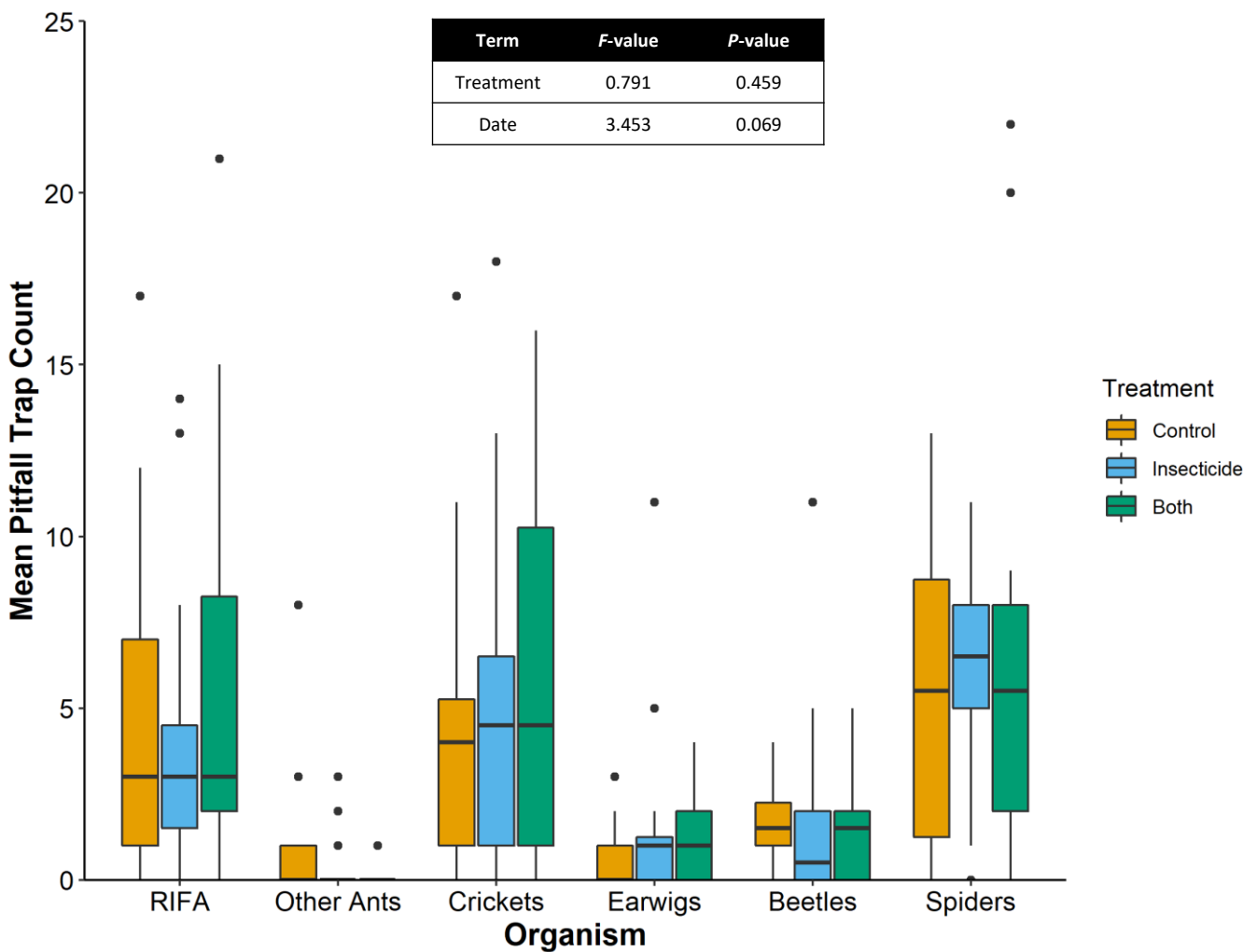
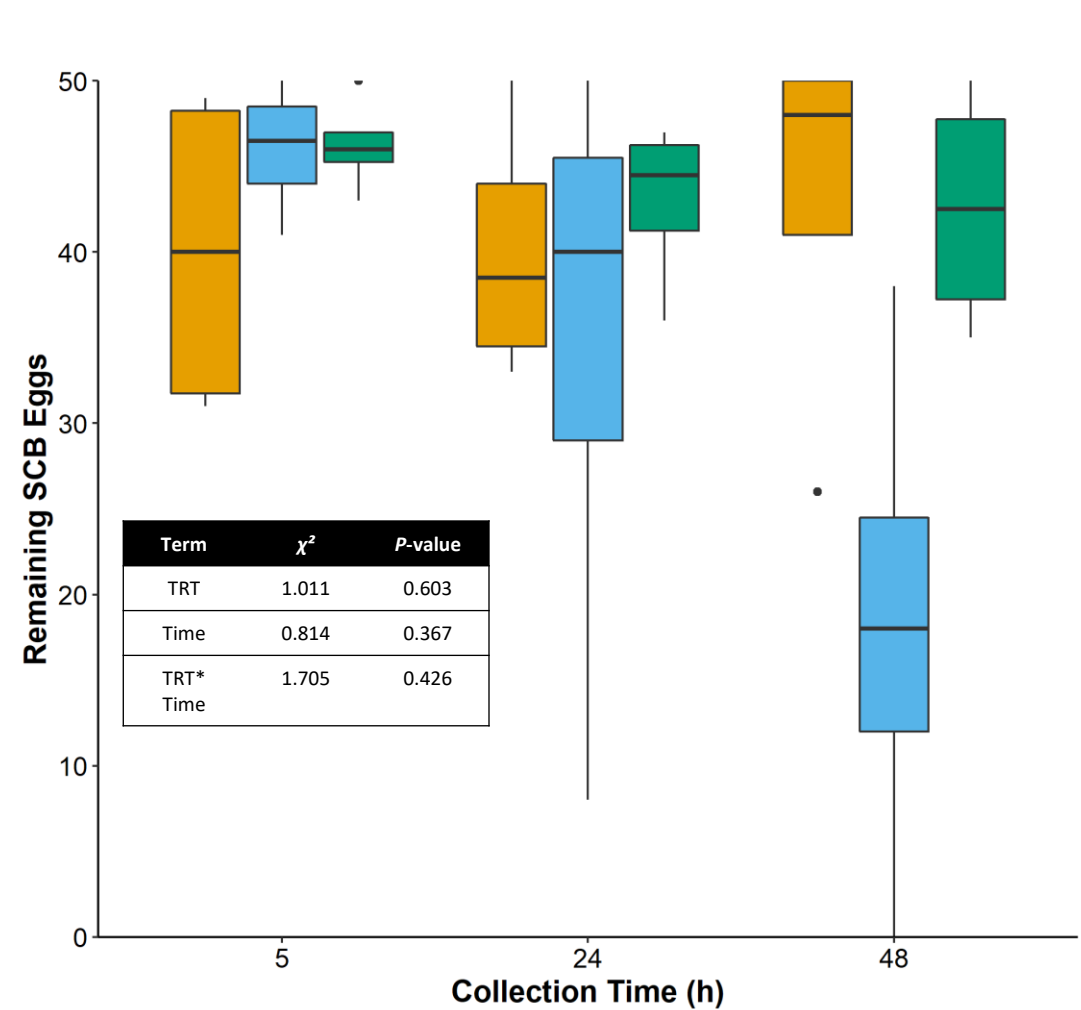
Non-target Effects: In-furrow Sprayed

No differences

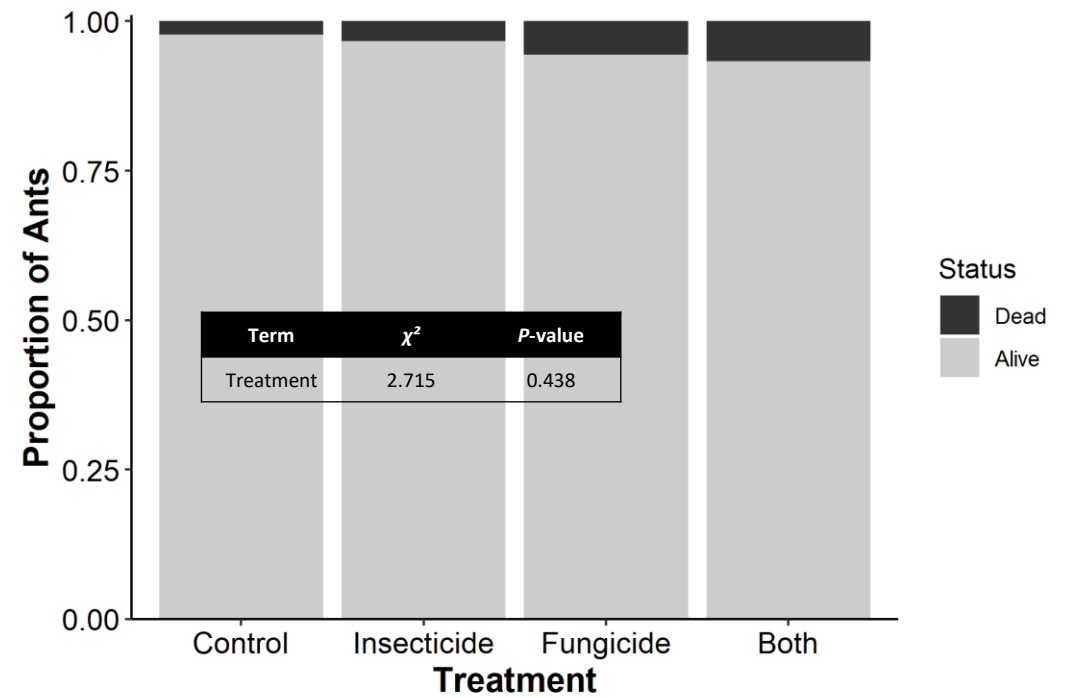
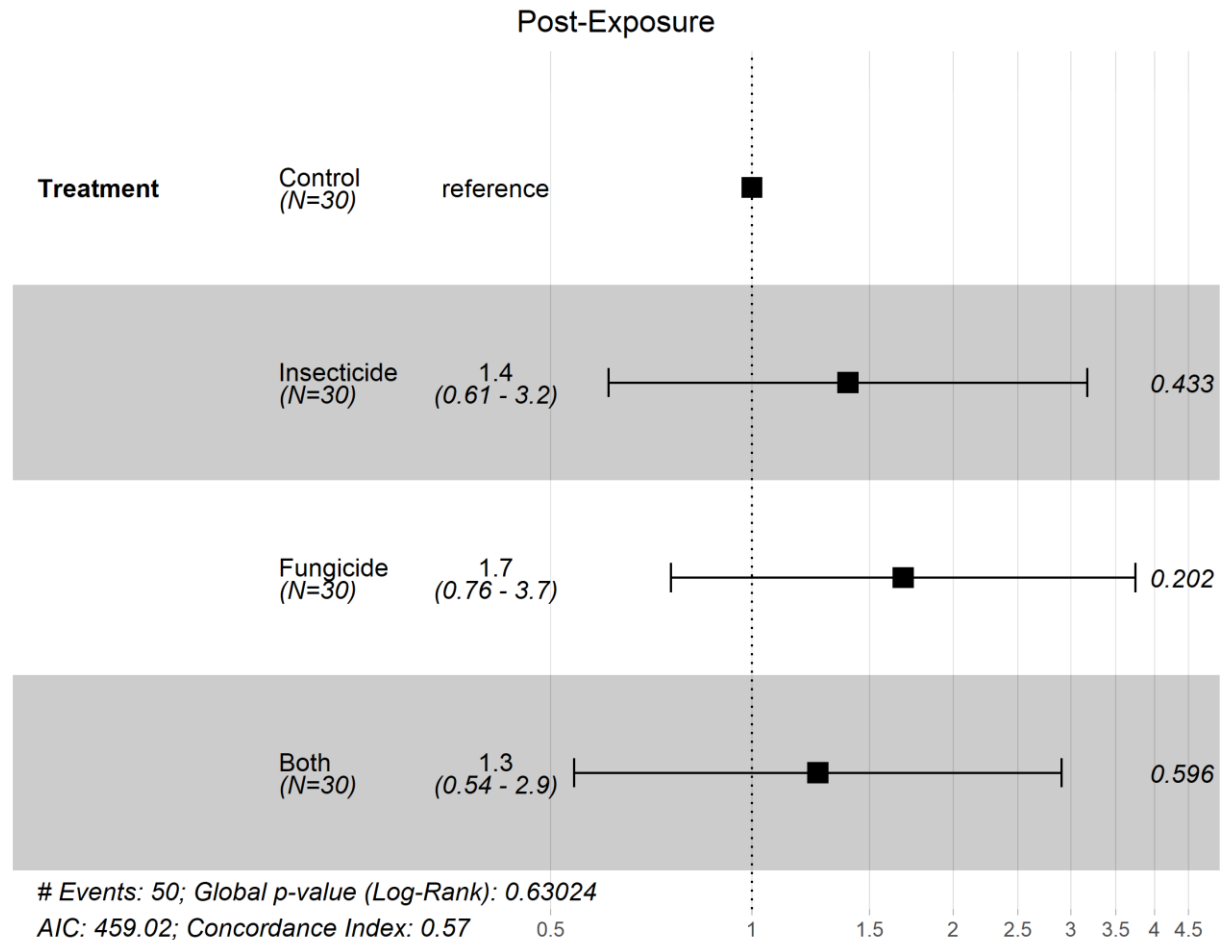


Non-target Effects: Dip-treated

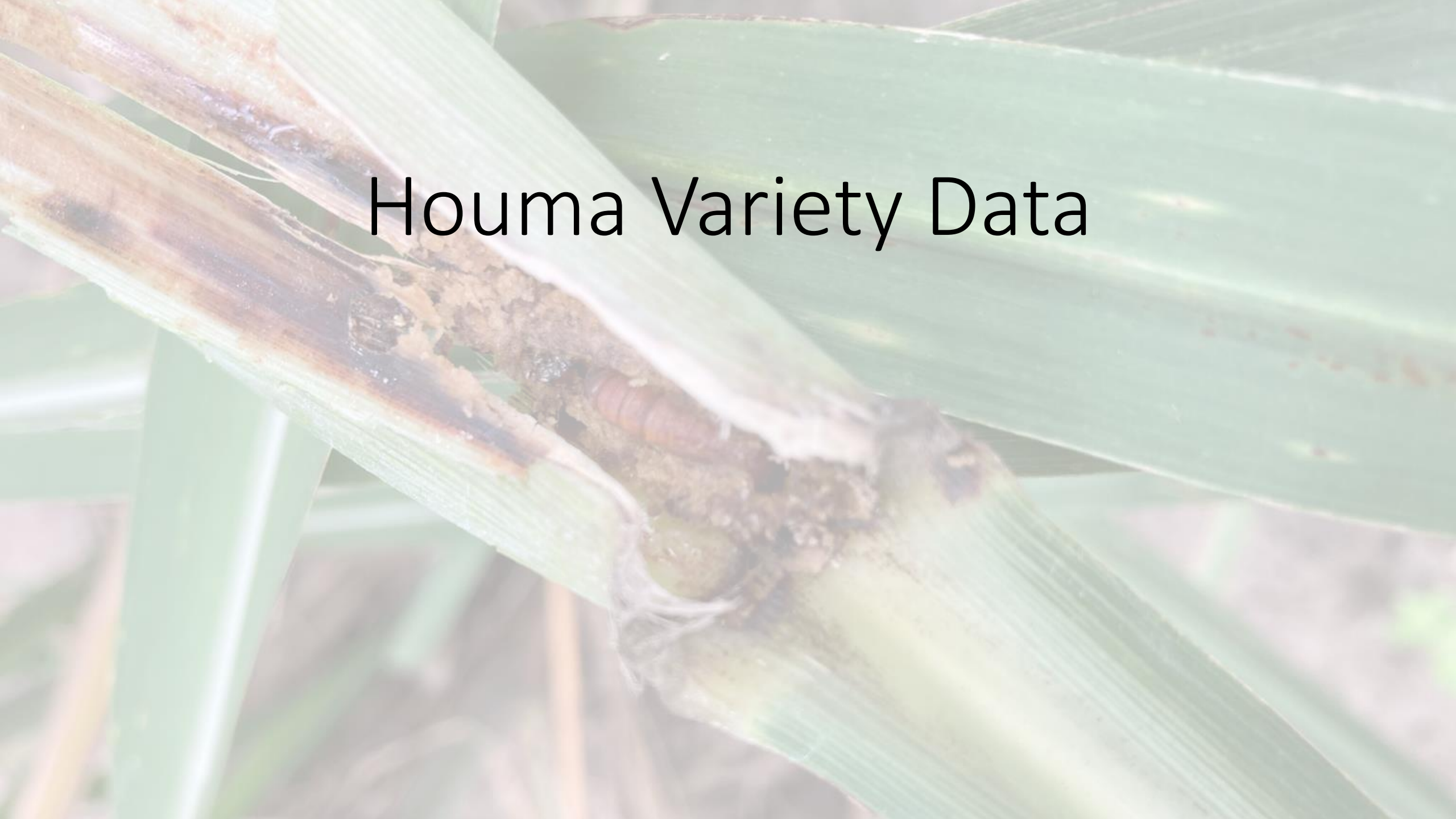
No differences



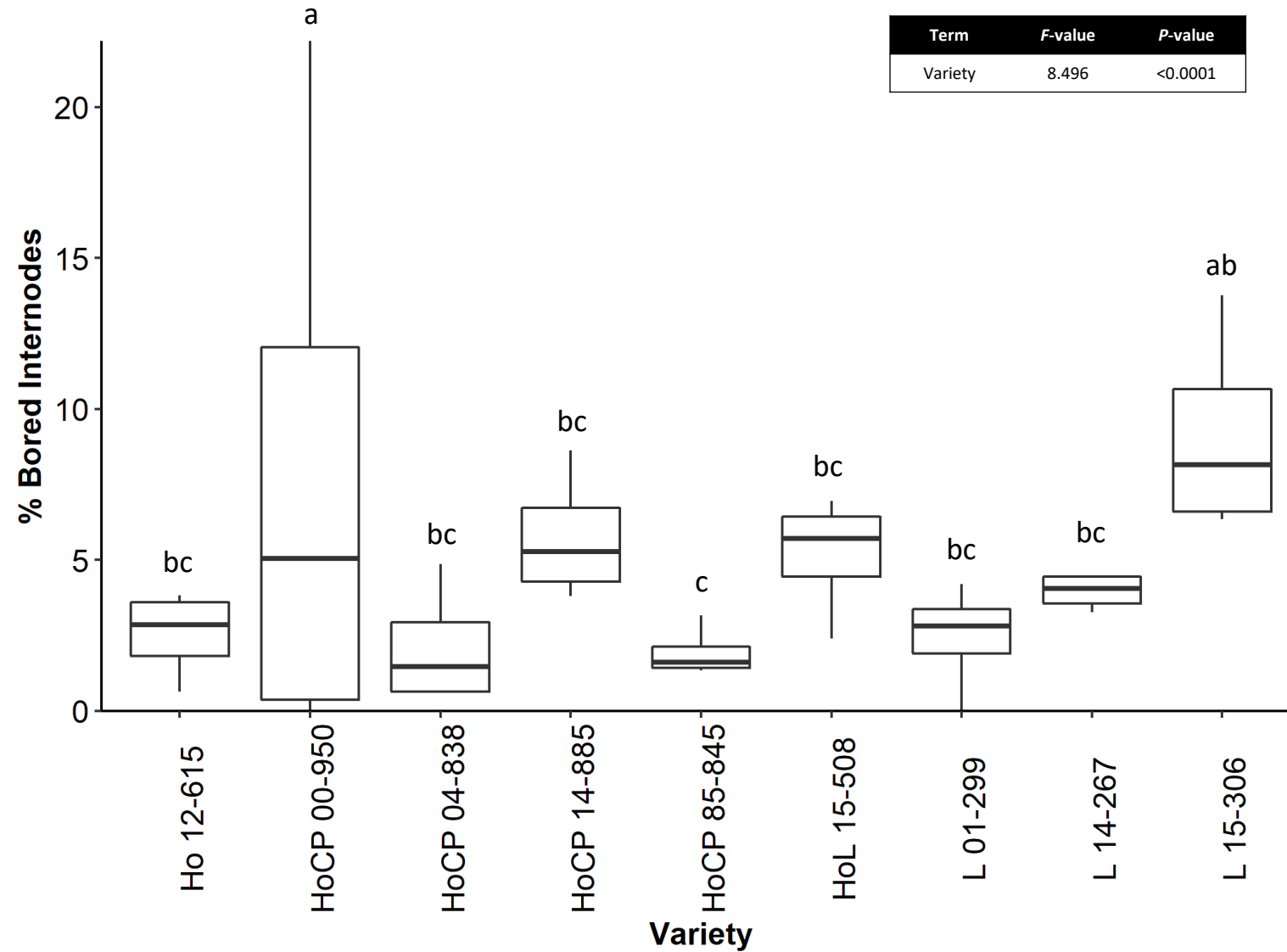
Non-target Effects: Lab Study



Houma Variety Data

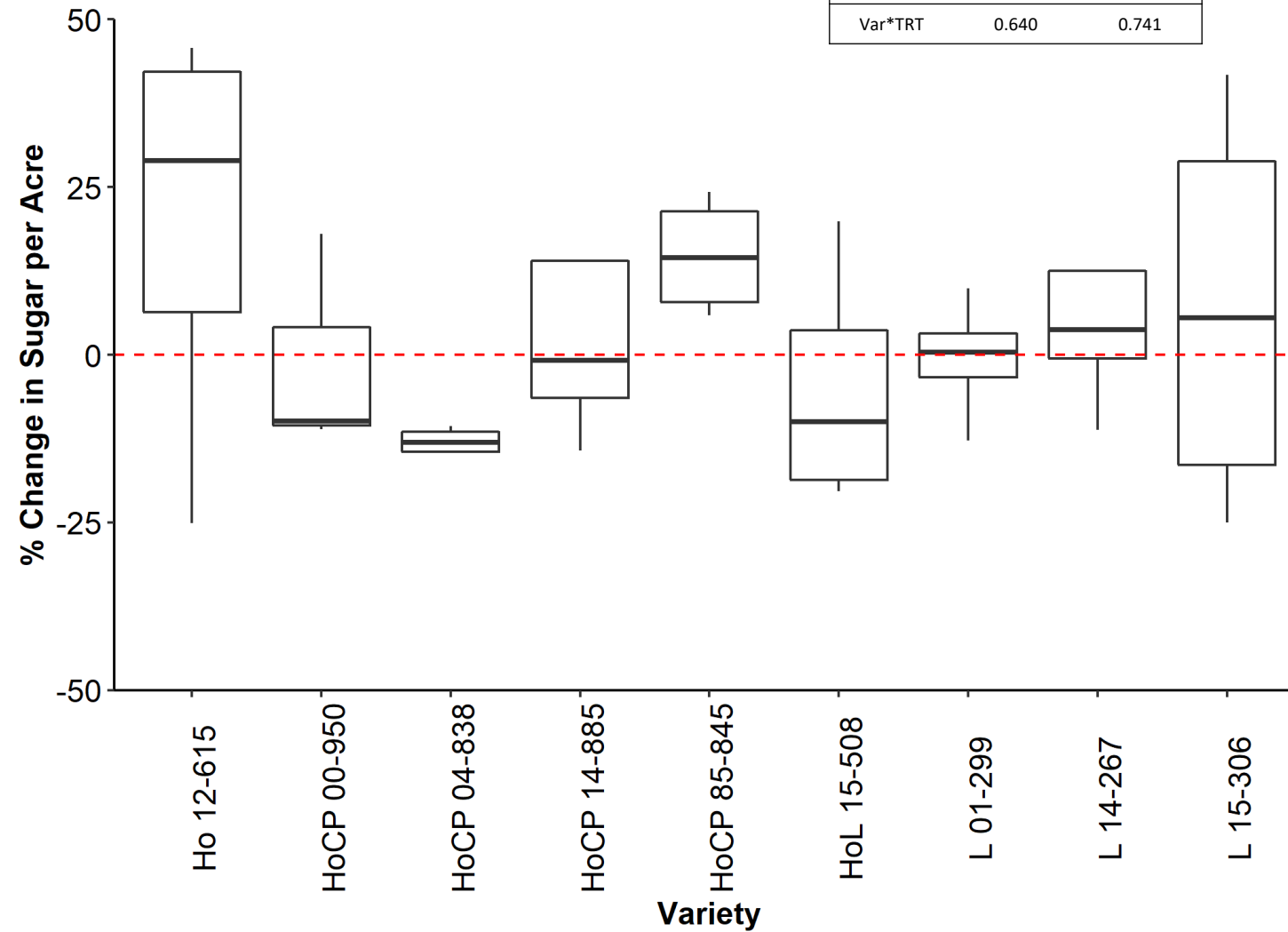


2021 Plant Cane

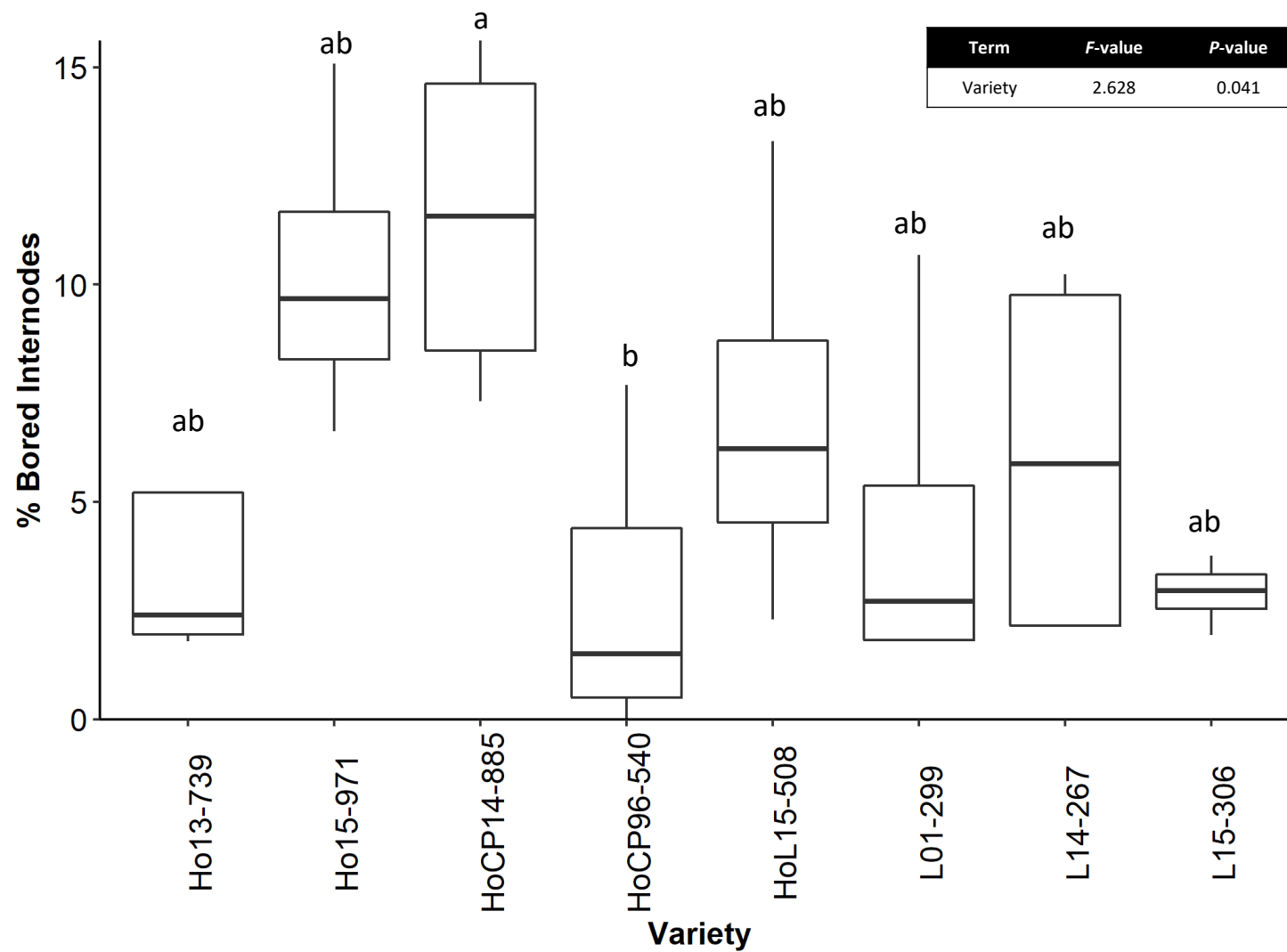


2021 Plant Cane

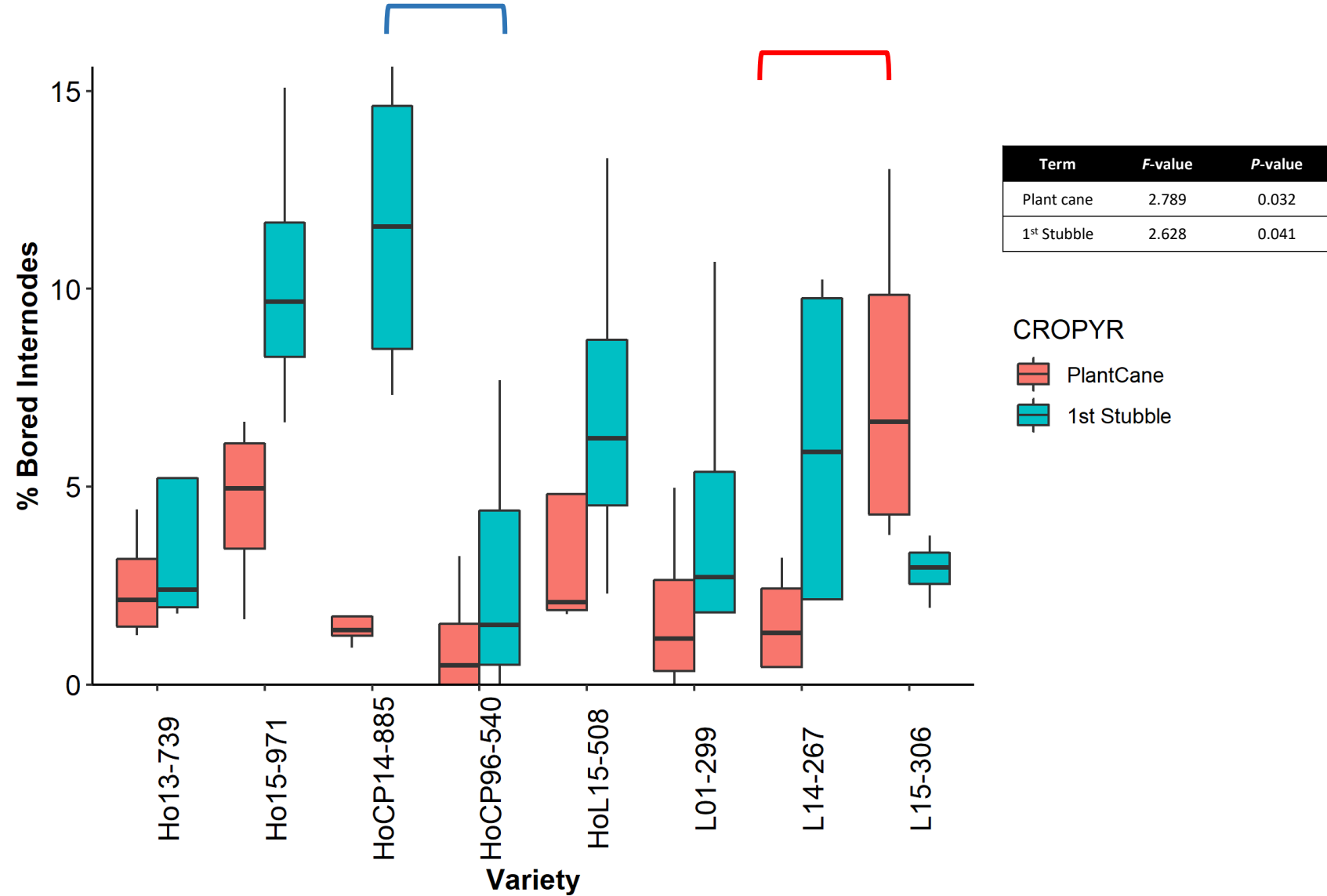
Term	F-value	P-value
Variety	6.637	<0.0001
Treatment	2.322	0.133
Var*TRT	0.640	0.741



2021 1st Stubble

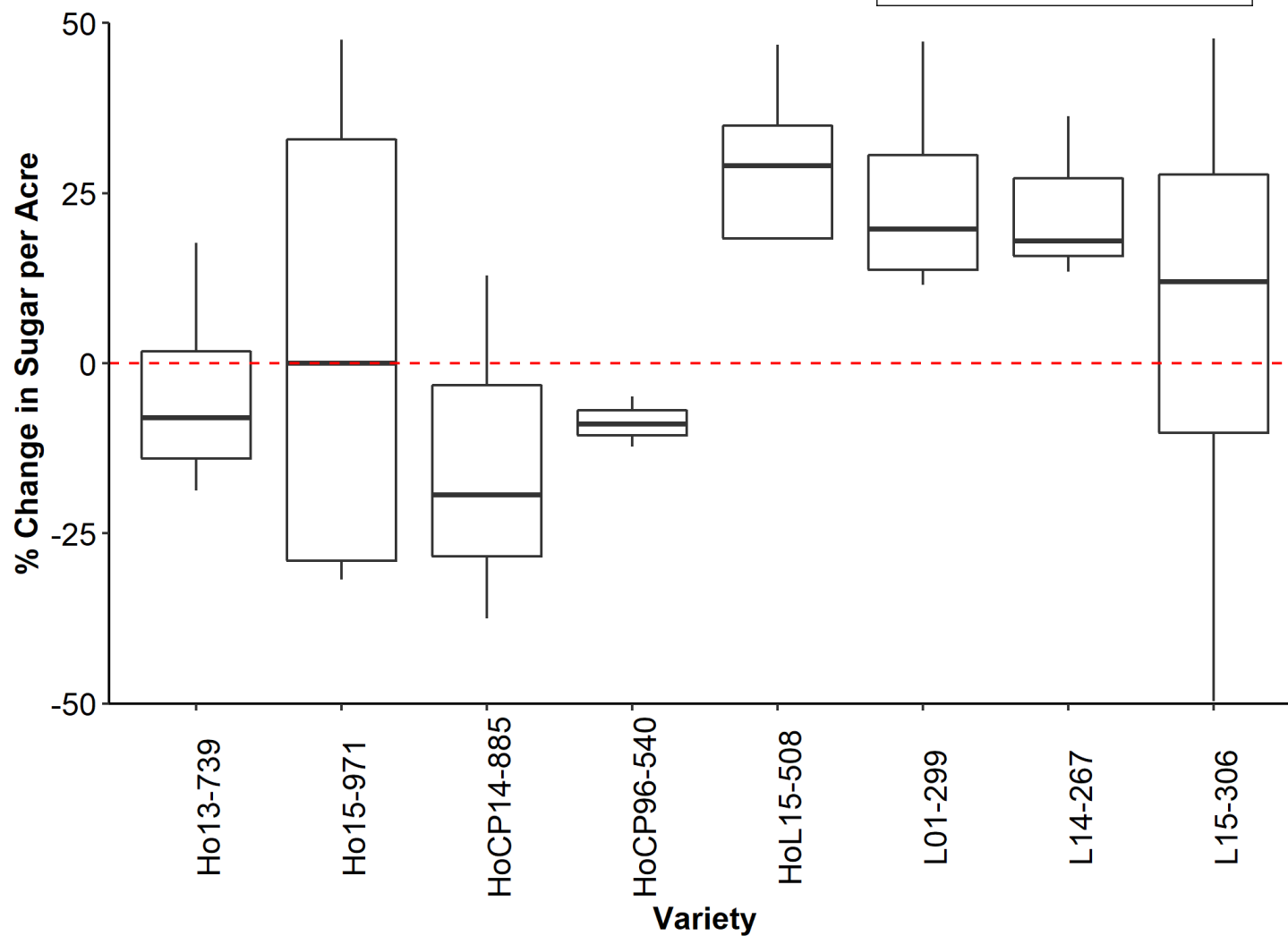


2021 1st Stubble



2021 1st Stubble

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Variety	6.637	<0.0001
Treatment	2.322	0.133
Var*TRT	0.640	0.741



Acknowledgements

USDA ARS SRU

- Randy Richard
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