

Investigating the damage potential of clouded plant bugs in ThryvOn cotton

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ThryvOn Cotton

- Commercially released for 2023 growing season
 - Mpp51Aa2.834_16 insecticidal crystal protein
 - Affinity to bind to epithelial cells in the midgut of piercing-sucking insects
 - Thrips and tarnished plant bug

Clouded Plant Bug (*Neurocolpus nubilus* (Say))

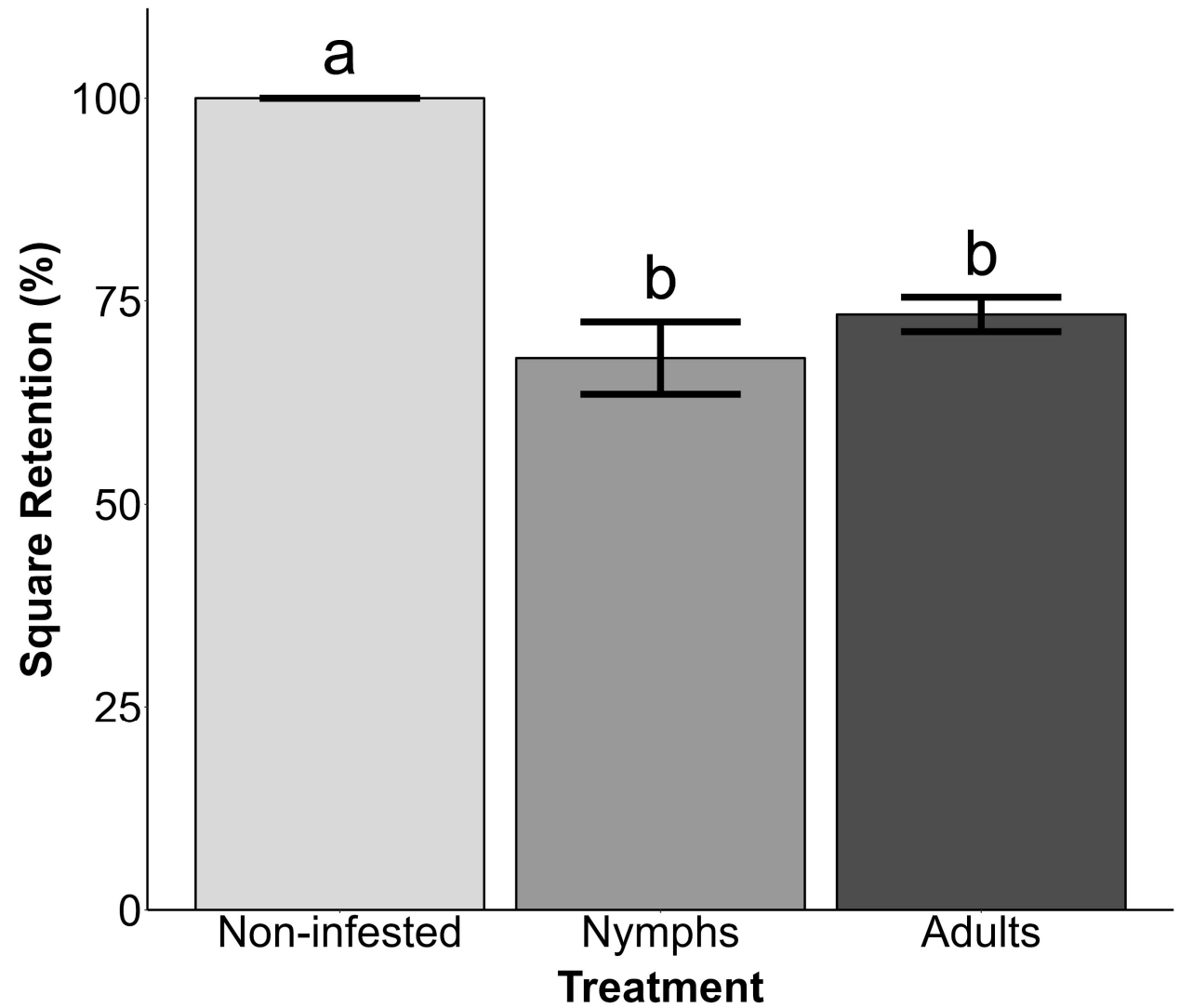
- Documented pest in 10 cotton producing states
 - Estimated 1,662,507 acres infested
- Feed on terminals, squares, flowers, and bolls



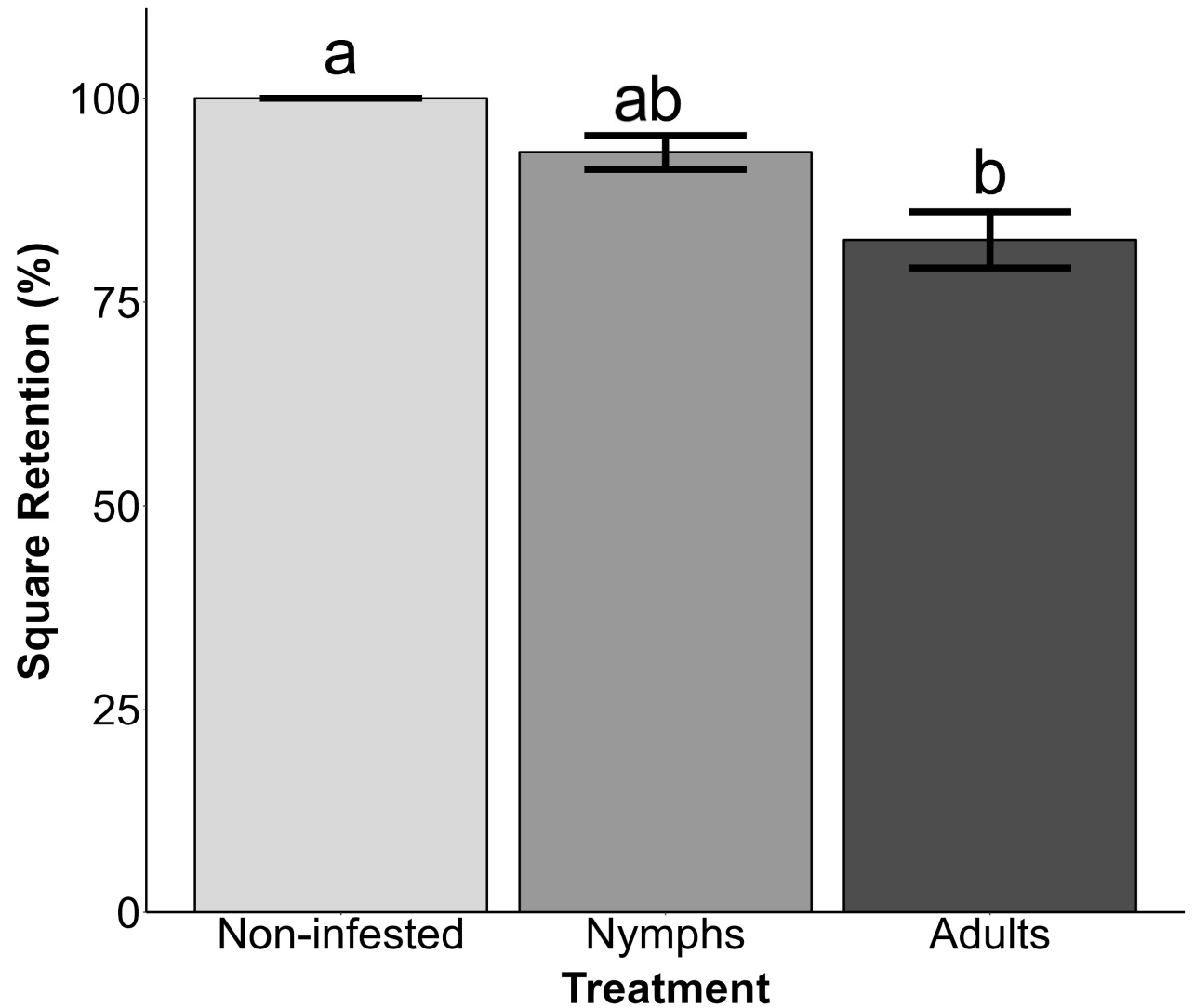
Determine if ThryvOn cotton square retention is impacted by clouded plant bug feeding



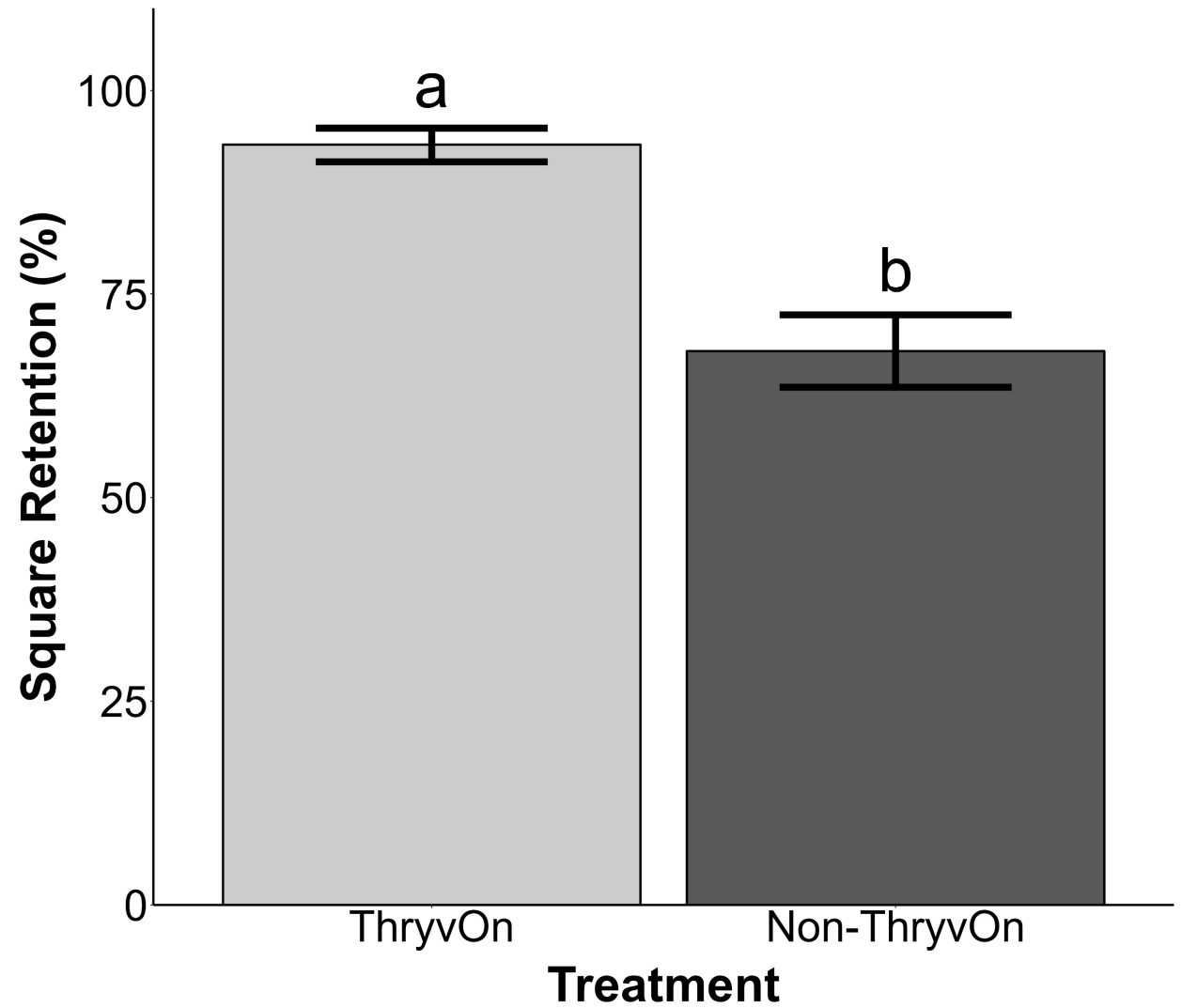
Non-ThryvOn Square Retention



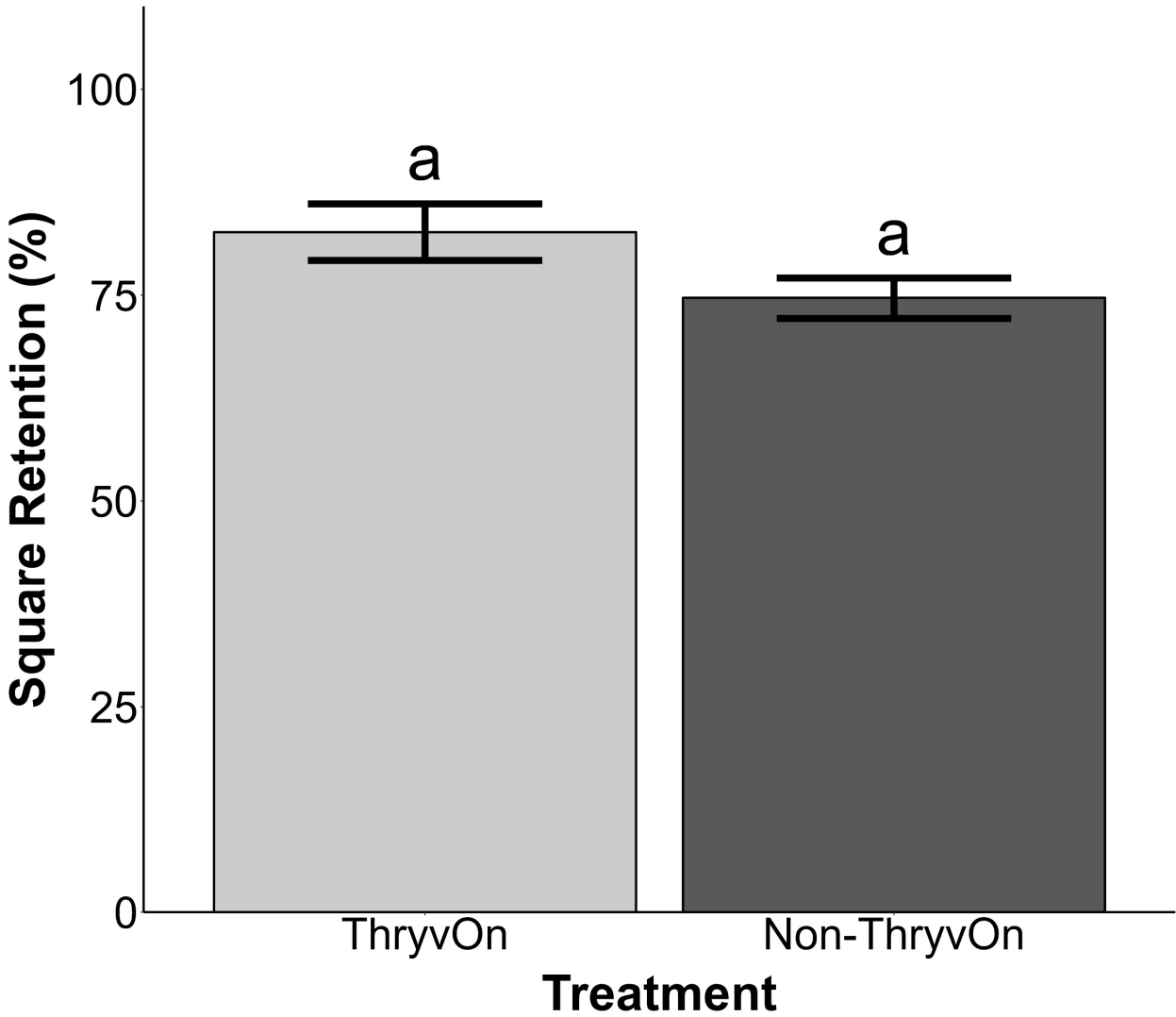
ThryvOn Square Retention



Clouded Plant Bug Nymphs



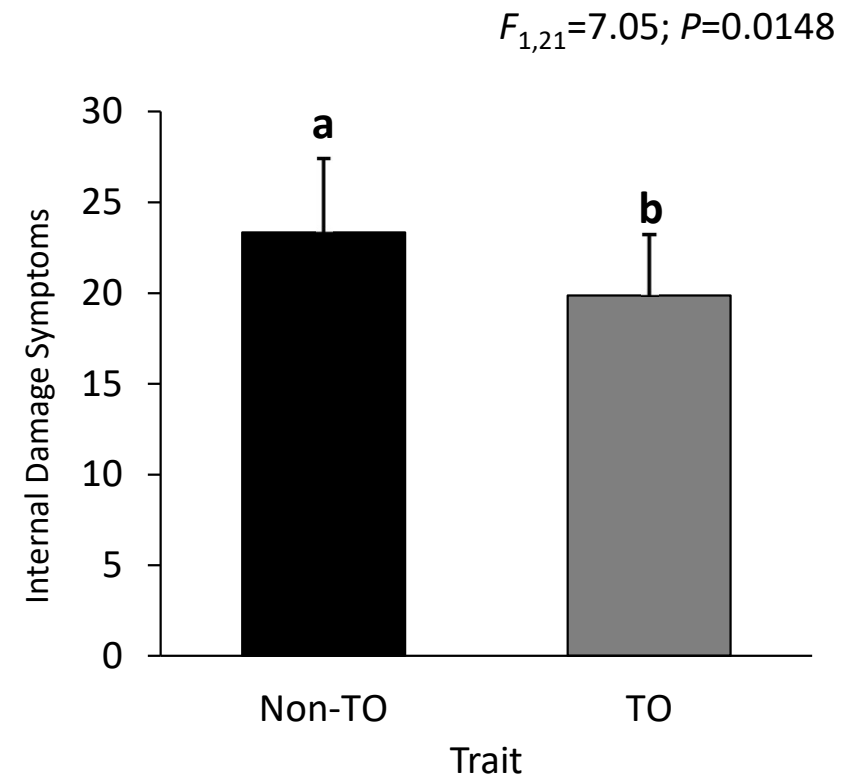
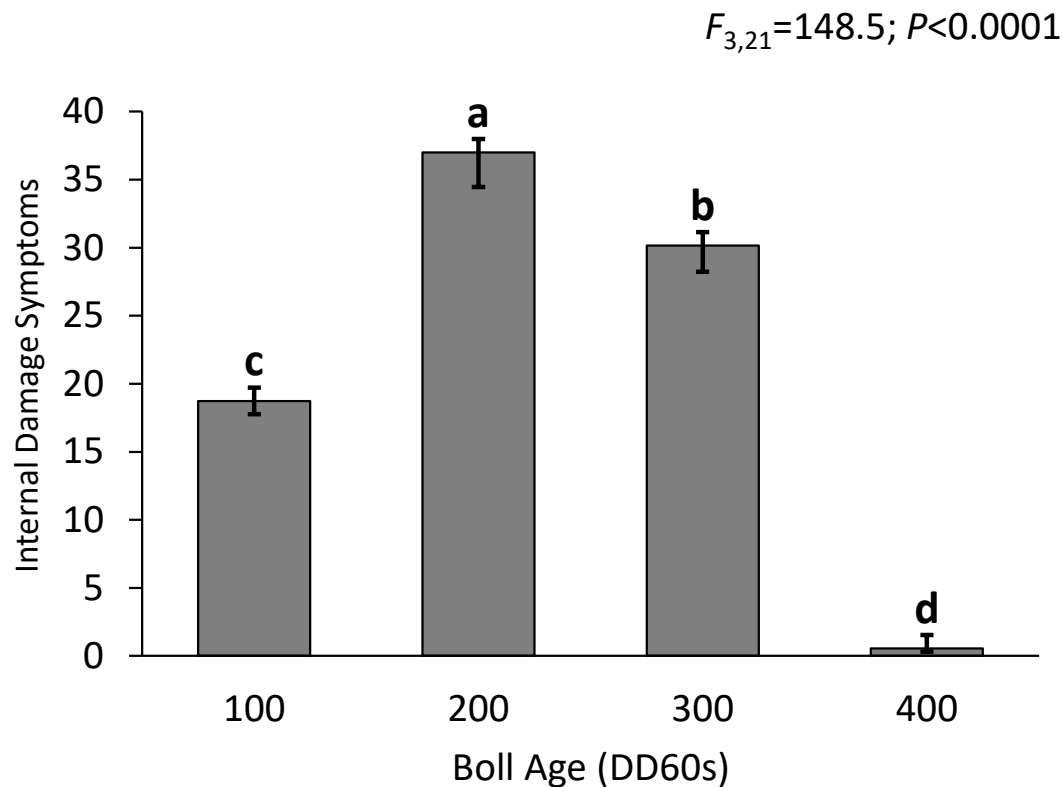
Clouded Plant Bug Adults



Evaluate the influence of boll age and ThryvOn technology on susceptibility to clouded plant bug injury



Clouded Plant Bug Boll Age Study



Tarnished Plant Bug Boll Age Study

