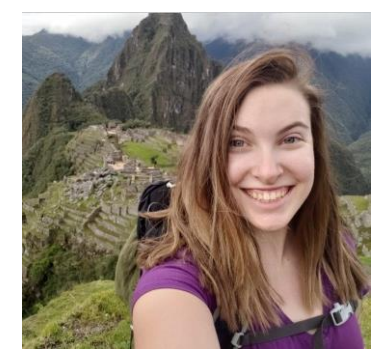


Indirect effects of invasive insect management on forest insect biodiversity



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BACKGROUND:

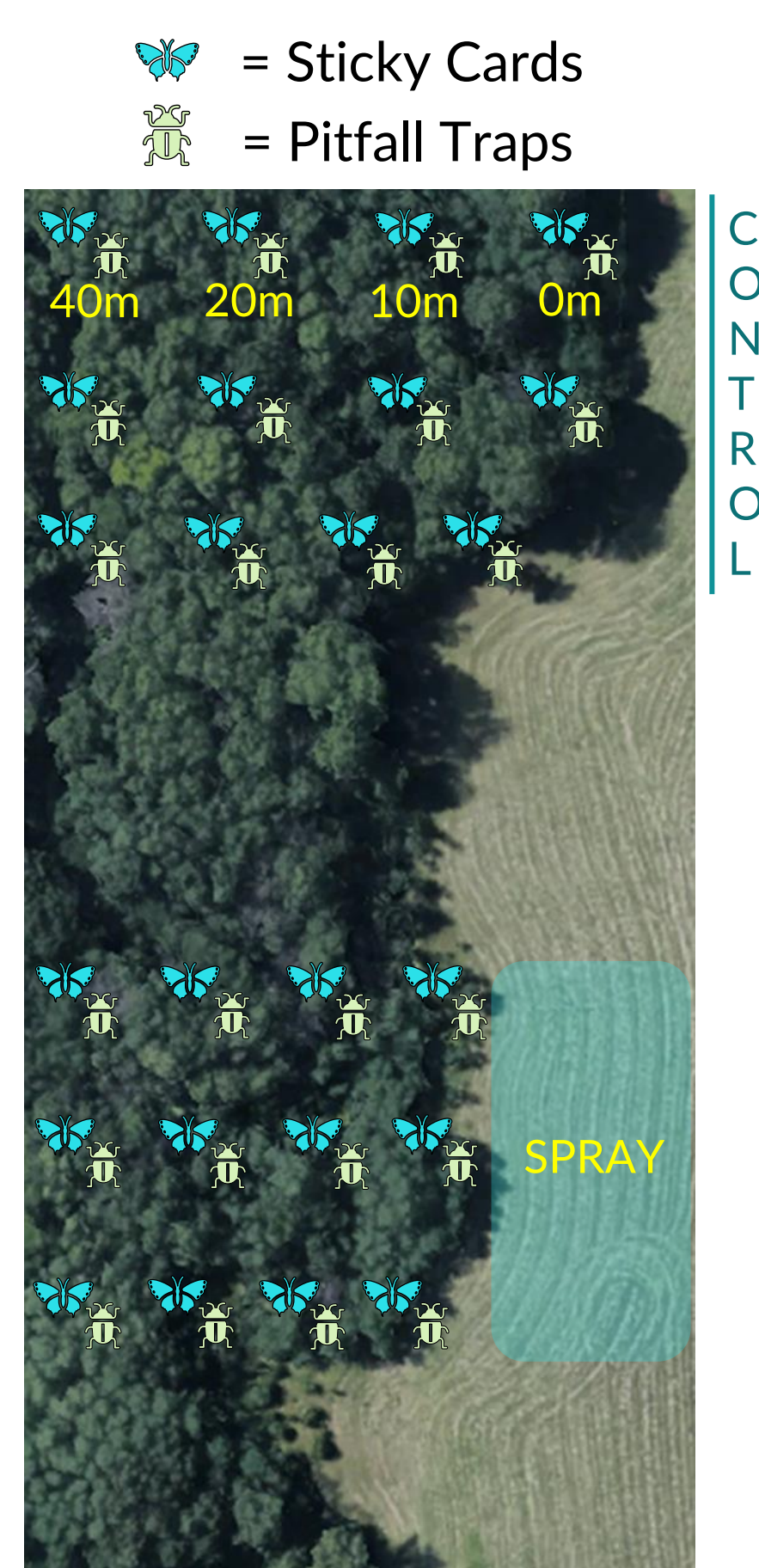
- Insect biodiversity is threatened by invasive species, climate change, habitat destruction, and insecticides.
- Invasive insects disrupt established IPM programs.
- Field crop growers in Missouri report 3-4 additional insecticide applications to manage invasive insects.

OBJECTIVE:

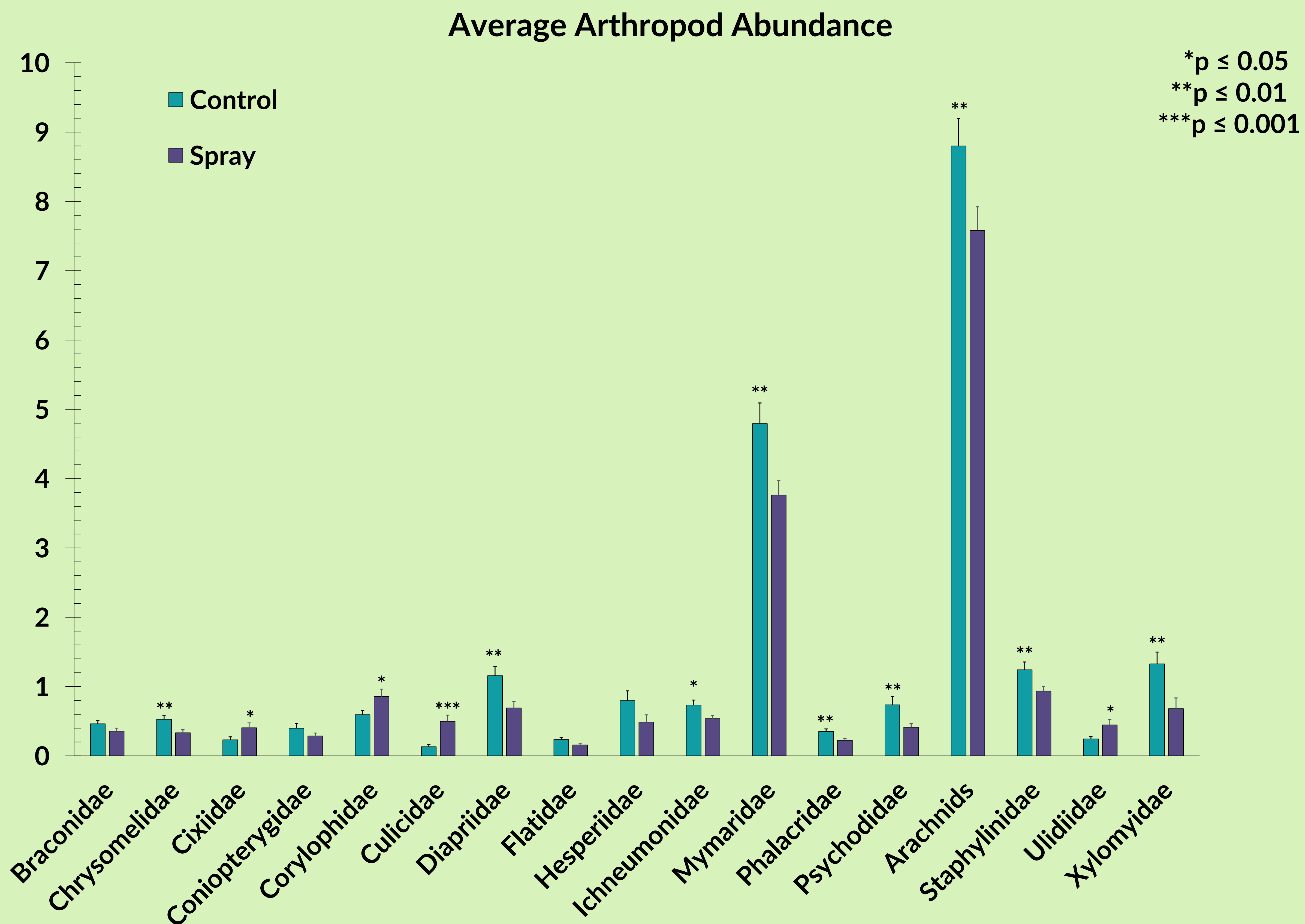
- Determine non-target effects of invasive insect management in agriculture on adjacent natural forest ecosystems.

METHODS:

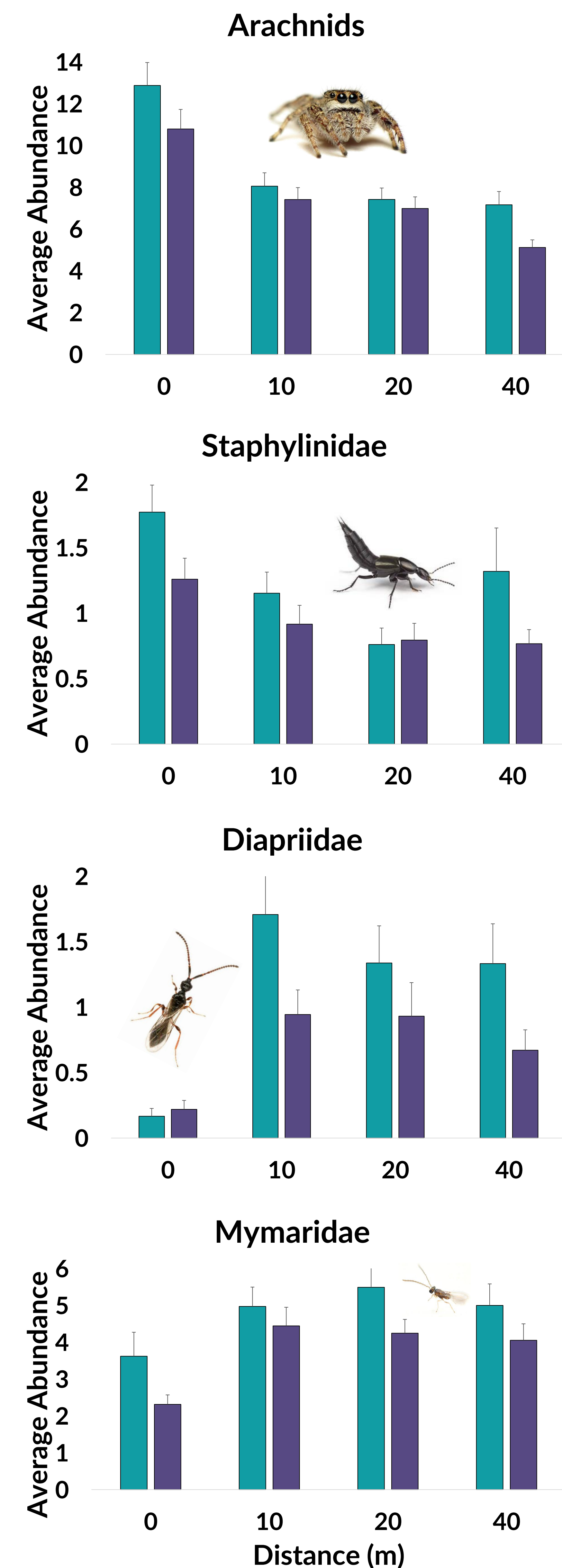
- Two treatments
 - Adjacent soybeans treated with three pyrethroid sprays
 - Untreated control
- Three sampling transects
 - Four distances
 - Three heights
- Sticky cards and pitfall traps sampled for twelve weeks



Forests adjacent to pesticide-treated agriculture had lower predator and parasitoid abundance



RESULTS



COMING SOON...

- Pitfall trap analysis
- Vertical stratification analysis
- Diversity metrics
- Do reduced forest predators affect pests in agriculture?