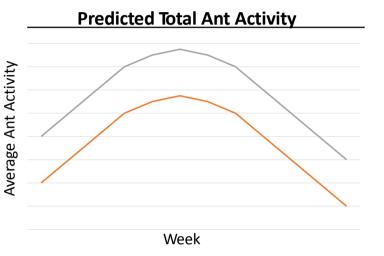


Farming Practice Hypothesis

Compared to organic plots, conventional plots receive chemical fertilizer and pesticide treatments that suppress ant activity

Predictions

Ant activity will be higher in organic plots compared to conventional plots throughout the growing season



Optimal Temperature Hypothesis

Species specific ant activity reflects seasonal temperature changes throughout the sampling period

Predictions

Ant species will be most active when their optimal temperature range occurs during the growing season

Methods

1)Sample ants in conventional and organic plots with pitfall traps

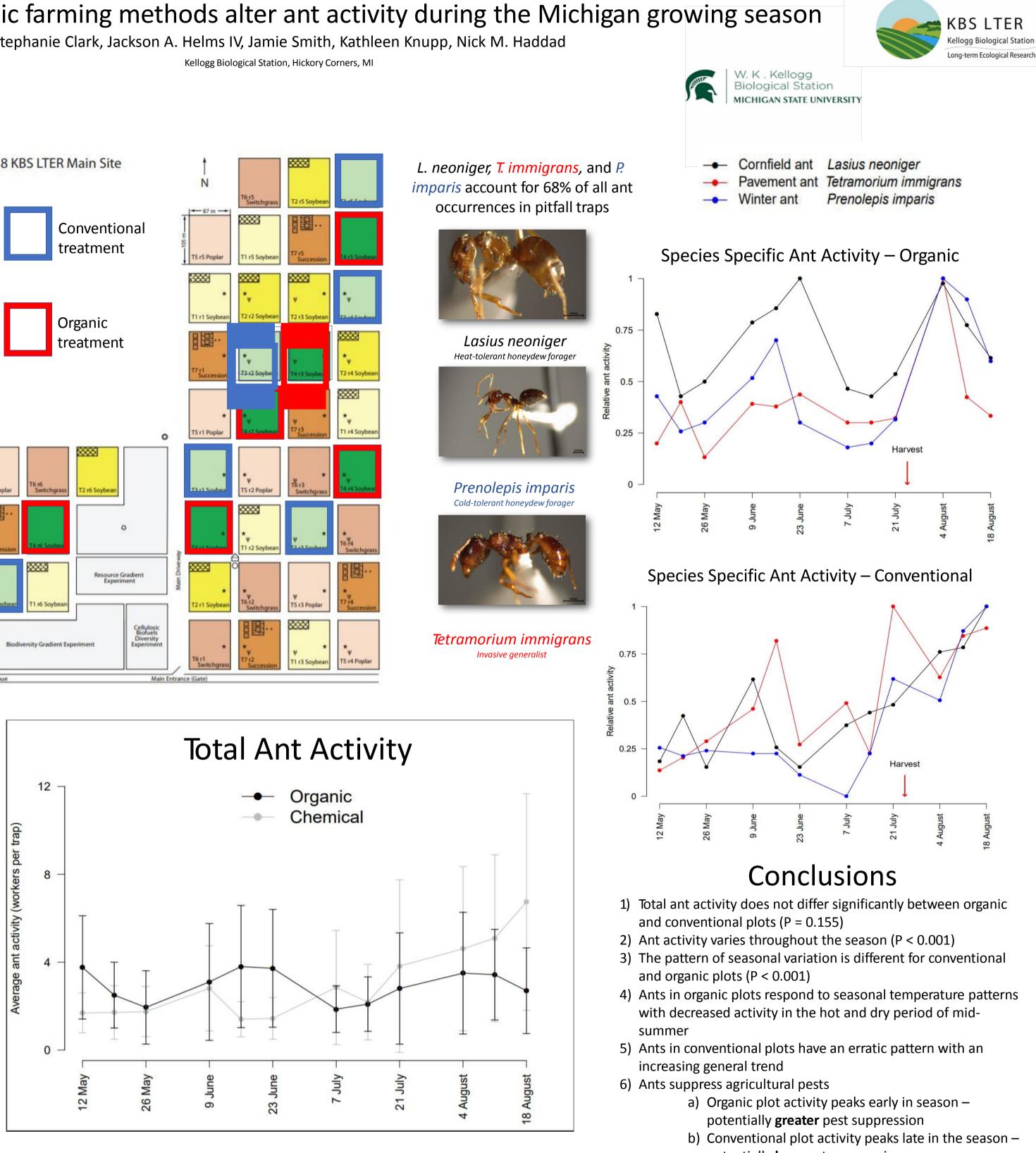
- 2) Separate ants from other insects and spiders
- 3) Identify and record species and trap information of all ants
- 4) Count nonreproductive (worker) ants











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