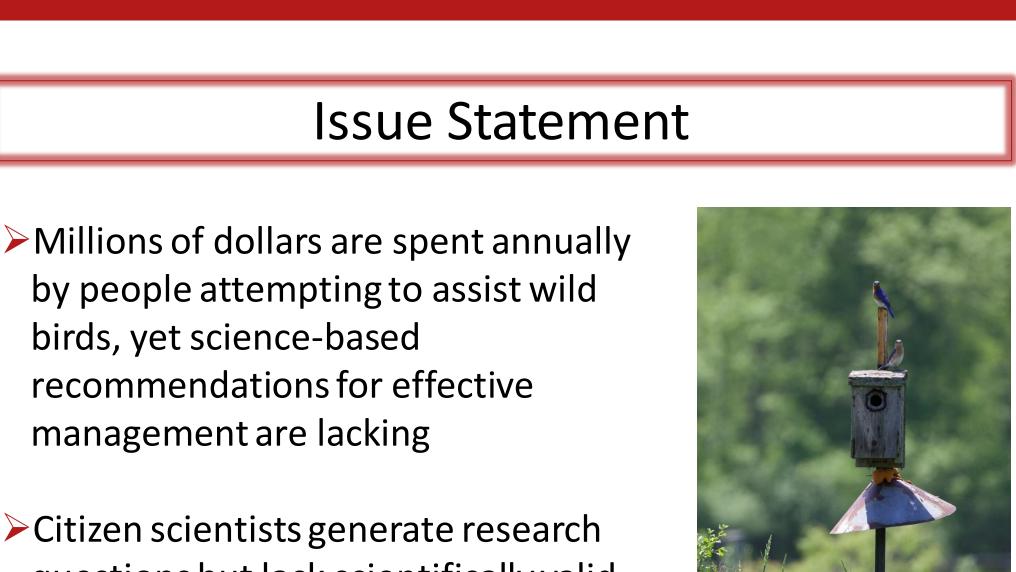
Thinking Outside of the Nest Box: Students Engage with the Citizen Science Community to Help Birds Anita Tendler, Robyn Bailey, David Bonter



questions but lack scientifically valid data on which to base decisions

Our Focal Community & Partners

- NestWatch.org: An online community of citizen scientists
- State bluebird conservation societies



Community-defined Research Questions

- > Does management through supplemental feeding increase the reproductive success of cavity-nesting birds?
- Does removing old nests from boxes promote or interfere with future reproduction?
- > How are changes in weather or regional climate (e.g., North Atlantic Oscillation, El Niño & La Niña cycles) related to nesting success?



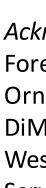


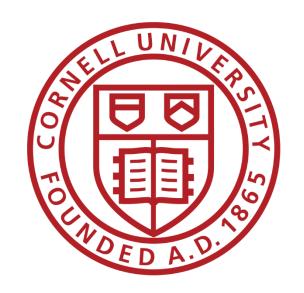
The Engaged Cornell field team banding black-capped chickadee nestlings (left to right): Gates Dupont (Class of 2019), Joshua Goddard ('18), Giulia DiMarino ('19), and Anita Tendler ('19).

Methods

- >Install 120 nest boxes in Ithaca area
- > Design & implement controlled supplemental feeding experiment
- \succ Monitor boxes daily
- >Quantify nest success, chick growth rates, and survival
- Survey literature & analyze NestWatch data
- Write blog posts to update the focal community about research results



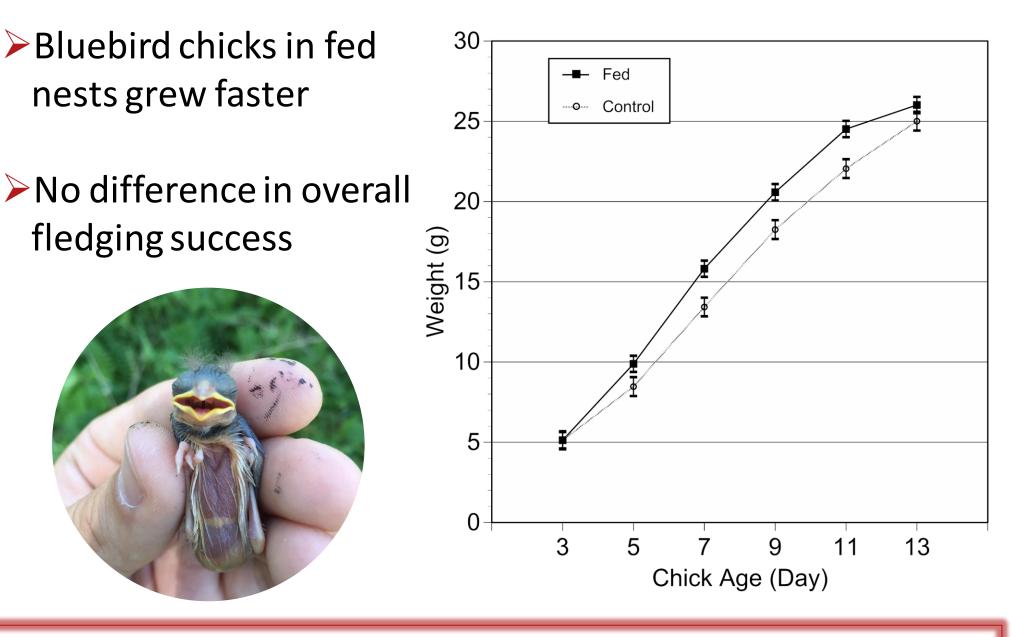








Preliminary Results



Looking Forward



> Test various methods for engaging with the focal community via the web

Science communication via blog posts and multimedia interpretations of peerreviewed literature

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