

## Ohio State University Extension Internship Program Intern Work Plan – June 3 to August 9, 2019

- Location/County:** Hancock and Paulding Counties
- Supervisor of Intern:** Glen Arnold (Hancock); Sarah Noggle and Michael Schweinsberg (Paulding)
- Supervisor email address:** [arnold.2@osu.edu](mailto:arnold.2@osu.edu), [noggle.17@osu.edu](mailto:noggle.17@osu.edu), and [schweinsberg.5@osu.edu](mailto:schweinsberg.5@osu.edu)
- Identify the program and impact area(s) that will be the major focus of the intern.**

**Impact Area(s) – check a maximum of two**

Health and Wellness  
 Workforce Development  
 Thriving Across the Life Span  
 Sustainable Food Systems  
 Engaged Ohioans, Vibrant Communities  
 Environmental Quality

**Program Area(s) – check all that apply**

Agriculture and Natural Resources  
 Community Development  
 Family and Consumer Sciences  
 4-H Youth Development
- Identify the impact area-related activities/projects/products that it is anticipated the intern will complete during the internship.**

*Environmental Quality*

  - Learn how to plan and implement extension programs in rural areas
  - Learn to design and layout extension research and demonstration field sites
  - Learn how we conduct research with liquid manure to get faster adaption by farmers
  - Learn to collect data, tabulate data, summarize data, and write up research results
  - Learn about the Edge of Field water quality research being conducted in Ohio
  - Learn about various commonly used agricultural fertilizers in row crop production and how they compare with manure
  - Learn about what fertilizers are believed to be responsible for the water quality issues



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Learn how the Right Fertilizer, at the Right Time, in the Right Place, and in the Right Amount could impact water quality in the state

Learn the soil test research-based draw down level, maintenance range, and buildup levels of phosphorus on soil tests

Learn how livestock production systems in Ohio are integrated depending on the species

*Engaged Ohioans, Vibrant Communities*

Paulding County Fair - Acres of Fun teaching activities

Paulding County Master Gardeners

Summer Youth Food Program in Paulding County

Precision Ag Field Day in Paulding County

Trap insect pests in Paulding County on a weekly basis

**6. List a minimum of six activities in which the intern will participate. These activities and meetings should be within the impact areas, across program areas and/or with the community or other professionals.**

Assist with planning and implementing the Ohio Manure Science Review

Assist with designing and staking research and demonstration field sites

Assist with completing liquid manure sidedress demonstration plots in western Ohio

Assist with tabulating, summarizing, and writing up research plot data

Assist with collecting and analyzing plant tissue samples

Assist with manure sample collection and report analysis

Assist with manure equipment calibration

Assist with literature review for future research projects

Assist with taking corn, soybean and wheat population stands

Assist with estimating wheat yields

Learn about research plot layout and design and the need for replication and statistical analysis

Attend the North American Manure Expo being held in Indiana

Assist with the Paulding County fair

Assist with the Summer Youth Food Program in Paulding County

Assist with the Paulding County Master Gardener summer community programs

**7. Briefly describe the length of experience of the educator who will mentor the intern and/or the experience of the supervising educator/county team members. Our goal is to ensure the intern has a meaningful educational experience in which the intern learns the value and contribution of the Extension system and the impacts we produce for our clientele.**

We hosted an ACRE intern in 2018 shared between Paulding, Hancock, and Putnam Counties. In addition to working on manure research and demonstration plots, we spent time with the intern on a wide variety of agronomic topics throughout the summer. When crops emerged, we took stand counts. When diseases occurred, we cut up plants and their roots to learn why. When wheat fields flowered, we looked for head scab issues.

When corn pollinated, we took plant tissue samples to determine nutrient sufficiency. We attended agency and public officials meetings on water quality and harmful algae blooms. All these experiences exposed the Intern to the wide variety of challenges a county agricultural educator would be contacted about by local clientele. The intern also helped with two county fairs and learned how county extension office staff work together on major projects.