

# M.S. RESEARCH ASSISTANTSHIP

## PLANT SCIENCE

### INFORMATION

College of Agriculture  
Department of Agricultural and  
Environmental Sciences  
3500 John A. Merritt Blvd.  
Nashville, TN 37209

### CONTACT

Dr. Jason de Koff  
jdekoff@tnstate.edu  
[www.tnstate.edu/faculty/jdekoff/](http://www.tnstate.edu/faculty/jdekoff/)  
615-963-4929



### OBJECTIVE

Tennessee State University has a research assistantship available for U.S. domestic students beginning in Fall 2020 in the area of Plant Science. Specific interests/experience include agronomy, soil science, plant biology, and/or plant physiology.

### RESPONSIBILITIES

- Establishment and maintenance of field sites
- Sample collection and analysis of plant and soil samples
- Harvest and processing of field collections
- Statistical analysis and data management
- Extension activities related to research

### PROJECT SUMMARY

Winter canola is a crop that has a number of advantages including its use as a cover crop, forage, pollinator habitat, crop rotation, bioenergy feedstock and grain commodity. Our lab works to identify varieties and agronomic practices that produce the highest yields in Tennessee. There is little information related to this in Tennessee along with the insect pollinators of winter canola. This project will help identify the effects of different varieties and/or rates of nitrogen fertilizer on winter canola yield, oil content, protein content, pollination, and other plant properties. This will provide farmers with additional information so that they can make the best decisions for their agribusiness.

