

## 2024 Research Intern Recruitment

The Resilient Cropping Systems research team at the University of Nebraska-Lincoln is opening a 7-month visiting scholar position from April-November 2024. The visiting scholar will assist in research within ongoing projects. Broadly, our work explores opportunities for agriculture to address 21st century challenges around profitability, resource use efficiency, and a changing climate. Broadly, our research seeks to cultivate cropping systems that:

- Demonstrate resource efficiency, working with natural resources to cycle nutrients, utilize water and control pests.
- Bounce back from disturbances, such as increased flood and drought events.
- Support diverse and thriving rural and urban communities, because cropping systems are intertwined with people and institutions (economic, social, and political).

We are looking for proactive, highly motivated, curious, and responsible people capable of adapting and working well in a team including interpersonal communication skills. Willingness to work outdoors for extended periods of time and the ability to drive vehicles are required. The visiting scholar will assist with field data collection, processing of plant and soil samples in a lab setting, and support in the following more specific activities:

- Planting and sampling (biomass, plant height, plant counts, ground cover, soil and root sampling) from cover crop experiments at different locations in Nebraska
- Root measurements including soil sampling and sample processing (washing, drying, and weighing)
- Quantification of soil chemistry related properties following detailed lab protocols including: pH, CEC, potentially mineralizable nitrogen, soil nutrient extractions and active carbon
- Recurring field measurements of crop growth stages, NDVI and soil water for experiments including the perennial grain crop Kernza™
- Maintenance of Kernza™ experiments including fertilization and harvesting

The program is located in Lincoln, Nebraska. The intern will be expected to work approximately 40 hours per week and paid an hourly rate commensurate with undergraduate hourly workers (\$12+ per hour). Eligibility for benefits will depend on current student status.

Applicants should send a CVs, cover letter and potential references to ([abasche2@unl.edu](mailto:abasche2@unl.edu)). We appreciate your review of our team's website materials, including the "expectations" document located on the "opportunities" page. References will not be contacted before the applicant would be made aware. Inquiries and applications should have the e-mail subject line "2024 Research Intern Application". Review of applications will begin in early December, or until the positions are filled. Pre-selected candidates will be contacted for an interview.