

# ASABE AIM Technical Tours

*All attempts will be made to deliver the tours you registered for. Participation will be on a first to register basis. ASABE reserves the right to cancel tours for low attendance or unforeseen issues. Refunds will be made only if the tour is canceled.*

## **Eastern Nebraska Research, Extension and Education Center (ENREEC) Tour** **State of the Art Field-based Research**

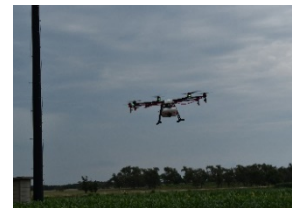
**Date: Wednesday July 12, 2023**

**Time: 2:30 PM – 6:30 PM**

Visit the state-of-the-art field phenotyping research facility at the University of Nebraska Eastern Nebraska Research and Extension Center near Mead that monitors and measures the traits of crops with an aerial Spidercam. This unique one-acre field site is one of only two field-based phenotyping research sites in the U.S. that features an automated cable suspended carrier system (Spidercam®, Austria) that holds multiple cameras and sensors (e.g., visible RGB, near infrared, Lidar, multispectral, and hyperspectral), which can be accurately positioned over a small plot for sensing and plant imaging. The site is also equipped with an automated weather station, and an advanced subsurface drip irrigation system for precise water and nutrients delivery at plot level. This tour includes Flex-Ro (Flexible Robotic Unit), a robot about the size of a small tractor that is being designed and tested to help farmers maximize crop yield, use



fewer pesticides, and manage the industry’s dwindling labor market. ENREEC tours provide the opportunity for informal interaction with the people who are working directly with innovative research and the opportunity to learn about the various projects and technology up-close at the Phenotyping Research site.



**Tour Requirements:** Participants must be above age of 18 years old, able to take walking tours and manage stairs, wear closed toe shoes, no shorts, no back packs are permitted at company sites (you can leave bags on bus), all tour attendees are responsible for their personal property. While on tour, taking pictures taking is not allowed except as host permits.

**Cost:** \$X35per person. Includes roundtrip transportation between CHI Convention Center and ENREEC.