

# NACTA 2018 Precision Agriculture Contest

## Northeast Community College

**Date and Time:** Thursday, April 19, TIME: 9:00 am

**Location:** TBD

**Contest Coordinator:** Chris Burbach, Ag Technology Instructor

**Email:** [christopherb@northeast.edu](mailto:christopherb@northeast.edu)    **Phone:** 402-844-7179

### Teams and Eligibility

All contestants must be currently enrolled in a two-year or a four-year institution and pursuing an undergraduate degree. Two-year and four-year teams will evaluate the same contest components. Separate awards will be made for both team and overall individuals in each division.

Each school may enter one team consisting of four (4) members. All four members will be eligible for individual awards, but the top three (3) scores will be used for the team score. Two (2) additional individuals beyond the four team members may compete for individual awards. The members of your team must be identified before the day of the contest.

A competing individual may not compete in this contest if he/she has participated as a scored, official contestant in a National NACTA Precision Ag contest in any previous year in the same division. If he/she previously competed in the two-year college division, he/she may compete once more in the four-year college division.

### Contest Description

This contest will consist of three (3) components. Each component will last 60 minutes. Everyone will be split into 3 groups. There will be one group at each station for the allotted time and will rotate to each station every 60 minutes. Tie Breakers will be determined using the high scores in the following order: Written Exam, Component Id, then Analysis. Contestants must bring a pencil, clipboard, and handheld calculator to the contest.

- **Component ID** – Students must identify components on a combine, planter, and sprayer. Components will be specific to data collection and variable rate application. John Deere equipment will be used in this exercise.
- **Written Exam** – Students must answer questions in relation to Precision Ag Management, Hardware Requirements, and Precision Irrigation.
- **Analysis Problem** – Students will utilize maps from a simulated grower to make recommendations for given scenarios. Students will be expected to calculate the total amount of product that they recommend. For example, amount of seed to fill a prescription or tons of fertilizer needed for a prescription.

## **Contest Rules**

Communication with other contestants or anyone else except superintendents will not be allowed once the contest has started. Coaches may not communicate with a team or individuals until the contest is finished. No cell phones or conferring during the contest will be allowed. Contestants observed in violation of this will be disqualified from the competition.

Since some activities will involve working with equipment, detailed instructions and safety procedures will be explained before the contest and must be followed at all times. Any contestant not following prescribed safety procedures will be removed from the event and will not be scored for individual or team awards.

Announcements made on the day of the contest will take precedence. Due to weather and equipment availability, the contest coordinators reserve the right to adjust the content accordingly. Teams should check back for possible updates to the rules before the event.