

OHIO STATE TRACTOR COMPETES AT ASABE INTERNATIONAL ¼ SCALE TRACTOR DESIGN COMPETITION

QST – BRUTUS 2014

The Quarter-Scale Tractor Team is a student design team and organization with the Department of Food, Agricultural, and Biological Engineering. Even though the team is officially organized with the department, the team is 100% extracurricular for students. This year the team was comprised of approximately 40 students from a variety of majors and years. The team is responsible for designing and implementing a tractor that contains a 31-horsepower Briggs and Stratton engine and a pair of Titan tires, which is provided by the International Quarter Scale Competition committee at the end of the previous year. The students started design this year's tractor at the beginning of September and gradually worked on the design throughout the entire school year. The team finished designing and manufacturing this year's tractor in mid-May and were ready for the competition, which began May 29th and ran through June 1st.

While at the International Quarter Scale Competition held in Peoria, IL, the students' tractor was judged by a panel of industry experts in the areas of innovation, manufacturability, serviceability, maneuverability, safety, sound level and ergonomics. The tractor was judged on performance and durability through a set of pulls, a 1000 lbs. pull and a 1500 lbs. pull. This year, The Ohio State University Quarter Scale Tractor Team placed 3rd overall out of the 27 teams participating in the International Quarter Scale competition. The team tied for 1st place in Ergonomics and Safety, 1st in Design Log, 2nd in Manufacturability, 4th in Cost Analysis, 4th in Design Details and 5th in Serviceability. The team placed 4th in the 1500 lbs. High Hook and 6th in the 1500 lbs. Low Hook. The team also placed in the top 10 in every other category. For more information on the competition and the team, please visit the team's website at: <http://buckeyepullers.org.ohio-state.edu/>. The team would like to thank all of the sponsors and individuals who have made this year's success possible. At this time, the team would like to take the time to thank the following sponsors:

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