



American Society of
Agricultural and Biological Engineers

CONTACT
Dolores Landeck
269-932-7039
landeck@asabe.org

News Release

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CANADIAN, AMERICAN TEAMS TAKE TOP HONORS AT INTERNATIONAL STUDENT DESIGN COMPETITION

Kansas State University Narrowly Edges Kentucky for Top-Place Honors

St. Joseph, Mich. and Peoria, Ill. – Led by Kansas State University, two Canadian and three U.S. university teams claimed top-five finishes in the [14th Annual International 1/4-Scale Tractor Student Design Competition](#) held recently in Peoria, Illinois.

Claiming its eighth win in the 14-year history of the contest, Kansas State finished with 2199 points of a possible 2320, holding off strong efforts by the University of Kentucky (2187) and Purdue University (2186). Kentucky repeats as runner-up and extends a decade-long string of top-seven finishes. Purdue finished in fifth place in 2010.

Rounding out this year's top five were the University of Saskatchewan, repeating a fourth-place finish from 2010, and University of Manitoba, whose jump from 17th place in 2010 to fifth place in 2011 earned the team the Most Improved award.

In addition to taking home the Detra-Wehner traveling trophy, Kansas State received a plaque, \$1000, and, new this year, a \$2000 scholarship sponsored by CNH, to be awarded to a team member of the team's choosing. All others also received plaques, and first and second runners-up received cash awards of \$700 and \$500, respectively.

Awards were given to the winners of numerous judging categories, as follows:

CAMPBELL SCIENTIFIC AWARD.....	University of Saskatchewan
BEST APPEARANCE.....	University of Manitoba
TEAMWORK.....	University of Tennessee-Martin
SPORTSMANSHIP	Iowa State University
CRAFTSMANSHIP.....	University of Manitoba
MANUFACTURABILITY	University of Kentucky
SERVICEABILITY	Southern Illinois University
TESTING & DEVELOPMENT.....	Université Laval
SAFETY.....	University of Illinois
MANEUVERABILITY.....	Purdue University
ERGONOMICS	University of Kentucky

SOUND LEVEL.....	University of Missouri
'FIRST-TIME THROUGH'.....	Kansas State University
<i>Recognition for passing technical inspection on first attempt</i>	
ROOKIE OF THE YEAR.....	Milwaukee School of Engineering
WRITTEN DESIGN REPORT	
1 st place.....	Kansas State University
2 nd place.....	Université Laval
3 rd place.....	University of Saskatchewan
TEAM PRESENTATION.....	
1 st place.....	University of Illinois
2 nd place.....	Modesto Junior College
3 rd place.....	South Dakota State University
TRACTOR PULLS	
Overall winner.....	Kansas State University
Overall 2 nd place.....	University of Manitoba
Overall 3 rd place.....	Purdue University
1,000-lb pull	
Hook 1.....	Kansas State University
Hook 2.....	Kansas State University
1,500-lb pull	
Hook 1.....	University of Missouri
Hook 2.....	Purdue University
MOST IMPROVED.....	University of Manitoba
<i>U. Manitoba jumped 12 places (17th to 5th) from 2010 final standings</i>	

The ¼-Scale Competition is unique among student engineering design contests in that it provides a realistic “360-degree” workplace experience. Given only an engine and a set of tires, the teams spend the academic year designing and building utility or recreational pulling tractors that they present and demonstrate in Peoria. Teams are judged on a written design report, a design inspection, and a formal presentation to industry experts playing the role of a corporate management team. Running on a 10% ethanol fuel blend, the machines are then put to the test in a series of tractor pulls.

The ¼-Scale Tractor Competition is a popular recruiting event for many sponsors, most of whom have hired engineers from among the teams, finding practiced, high-achieving candidates with strong technical, communication and leadership skills honed by competition experience. Corporate sponsors for the ASABE 14th Annual International 1/4-Scale Tractor Student Design Competition are AGCO, Briggs & Stratton, Case IH, Deere & Company, New Holland, SolidWorks and Titan International. Additional support is provided by Campbell Scientific, Inc., GSI Grain Systems, Caterpillar, Katie McDonald Photography, Claas, RCI Engineering, Advanced Technology Services, Central City Scale, igus Inc., Miller Electric Manufacturing, Star Equipment, Kentucky Corn Growers Association, Holy Cow Motorsports, Walz Scale, Midwest Super Cub, Birkey’s Farm Store, and Kelly Sauder Rupper.

The American Society of Agricultural and Biological Engineers is a scientific and educational organization dedicated to the advancement of engineering applicable to agricultural, food, and biological systems. Members are consultants, managers and others who have the training and experience to understand the interrelationships between technology and living systems. Founded in 1907 and headquartered in St Joseph, Michigan, ASABE

comprises 9,000 members from more than 100 countries. For further information, contact ASABE, 2950 Niles Rd, St Joseph, Michigan, 49085; 269-429-0300; hq@asabe.org; www.asabe.org.