

News Release

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KANSAS STATE TEAM RECLAIMS ENGINEERING DESIGN TITLE

ST JOSEPH, MICHIGAN—After two years as a runner-up in the ASABE International 1/4-Scale Tractor Student Design Competition, Kansas State University again achieved champion status, a position it has now enjoyed five out of the contest's nine years in existence.

The Powercat Tractors placed first among 29 teams from across North America, in the contest held June 1-4 in Peoria, Illinois. Rounding out the top five spots were, in order, Quebec's Université Laval, University of Wisconsin—Madison, University of Nebraska, and, in a fifth-place tie, California Polytechnic San Luis Obispo and University of Kentucky.

In winning the 2006 event, the Powercat Tractors took top honors in the Written Design Report and Team Presentation categories. The team also came in first place overall in the Performance competition.

Modesto Junior College, competing for only their second time, earned "Most Improved" honors, jumping from 21st place in the 2005 competition to 8th place in 2006.

Last year's champions, from Oklahoma State University, suffered a devastating blow when their tractor's hydraulic pump casing cracked, forcing them to withdraw from performance events. The Oklahomans put their unexpected free time to gracious use, however, sending a red-eye rescue truck to pick up the team from the University of Wyoming, when that team's transport vehicle broke down, stranding them in Des Moines, Iowa. For their effort, Oklahoma State was voted the Sportsmanship Award.

Sponsored by ASABE and drawing teams from universities across North America and beyond, the International 1/4-Scale Tractor Student Design Competition is held annually. The program seeks to advance the technical and personal skills young engineers and technology students will need for success in the workplace. This year the contest moved from its previous home in East Moline, Illinois, to the Expo Gardens in Peoria, Illinois, and next year's 10th anniversary event will be held in Minneapolis, just prior to ASABE's Centennial Annual International Meeting in June.

The ASABE International 1/4-Scale Tractor Student Design Competition is made possible by AGCO, Bridgestone/Firestone, Briggs & Stratton, Case, Caterpillar, Deere & Co, Kubota, New Holland, and SolidWorks. Additional support is provided Campbell Scientific, Central City Scale, Claas Omaha, and the Kentucky Corn Growers Association.

The American Society of [Agricultural and Biological Engineers](#) is an educational and scientific organization dedicated to the advancement of engineering applicable to agricultural, food, and biological systems. Founded in 1907 and headquartered in St Joseph, Michigan, [ASABE](#) comprises 9,000 members representing more than 100 countries. For further information about the Society, contact Dolores Landeck at [ASABE](#), 269-428-6339, landeck@asabe.org.

2006 ASABE INTERNATIONAL 1/4 SCALE TRACTOR STUDENT DESIGN COMPETITION

Overall Champion

Kansas State Univ

2nd place

Université Laval

4th place

Univ of Nebraska

3rd place

University of Wisconsin–Madison

5th place (tie)

Cal Poly San Luis Obispo
Univ of Kentucky

Written Design Report

1st place– Kansas State Univ

2nd place – Univ of Illinois

3rd place – Iowa State Univ

Oral Presentation

1st place – Kansas State Univ

2nd place – Univ of Illinois

3rd place – Univ of Nebraska

Best Appearance

University of Wisconsin–Madison

Teamwork

Univ of Illinois

Sportsmanship

Oklahoma State University

Maneuverability (Tie)

Michigan State Univ

Penn State Univ

Texas A & M Univ

Performance competition (pull)

1050 lb class, Hook 1 – Kansas State Univ

1050 lb class, Hook 2 – Purdue Univ

1300 lb class, Hook 1 – Université Laval

1300 lb class, Hook 2 – Université Laval

Overall Performance

1st place – Kansas State Univ

2nd place – Univ of Wisconsin–Madison

3rd place – Université Laval

Craftsmanship

Univ of Kentucky

Manufacturability

The Ohio State Univ

Serviceability

Cal Poly San Luis Obispo

Safety

Cal Poly San Luis Obispo

Ergonomics

Iowa State Univ

Most Improved

Modesto Junior College

Web Site Design

The Web Site Design Competition is intended to encourage an appreciation of good promotion as a key to product success. Work is judged on creativity, functionality, and effectiveness.

1st place – Univ of Wisconsin–Madison

2nd place – Cal Poly San Luis Obispo

3rd place – Iowa State Univ

Campbell Scientific Award

Promotes best use of test methods and/or data acquisition in the development of a prototype design. Entries are required to submit a separate essay describing their test program.

Winner – Cal Poly San Luis Obispo

X-Team Competition

“Junior” teams modify their school’s tractor from the previous year; not all schools participate

Written design report – Univ of Illinois

Oral presentation – North Dakota State Univ

Tractor pull – Kansas State Univ

Overall 1st place – Univ of Illinois

2nd – Univ of Nebraska

3rd – Kansas State Univ

Cook-Off

This convivial first-night affair has no bearing on the competition but brings teams together for an informal evening of fellowship and friendly rivalry

Overall – (Tie) Univ of Kentucky (Ribs & Chicken)

Université Laval (“Cipates”)

Main dish – Univ of Kentucky (Ribs & Chicken)

Side dish – Texas A&M Univ (Grilled Diced Potatoes)

Dessert – Penn State Univ (Hand-Cranked Ice Cream)