

2010 AACC International Best Student Research Paper Competition

1. Research Relevance or Impact (20 points)

- **Relevance.** *Has a scientific issue or question been identified within cereal science that is relevant to current needs of industry, academia or society? (10 Points)* Score _____
- **Background/Significance.** *Has the background been appropriately discussed in relation to the scientific question and has the significance been clearly stated? (10 Points)* Score _____

2. Research Technical Quality (40 Points)

- **Hypothesis/Specific Objectives.** *Has a clear hypothesis that was used to study the identified issue or question been provided, and have specific objectives that were used to test the hypothesis been defined? (10 Points)* Score _____
- **Project Description.** *Is the work clearly and precisely explained and described? (10 Points)* Score _____
- **Experimental Methods/Techniques.** *Are the materials and methods appropriate and complete? (10 Points)* Score _____
- **Experimental Design/Modeling.** *Is an appropriate experimental design or modeling approach used and properly applied? (10 Points)* Score _____

3. Research Novelty or Currency (10 Points)

- **Novelty or Currency.** *Is a new technique or method, new application of an existing technique, or a unique integration of techniques, which is appropriate for the identified issue or question, used in this project? (10 Points)* Score _____

4. Discussion of Results & Conclusions (20 Points)

- **Clarity and Completeness.** *Are the results discussed and presented clearly and concisely in a manner that is easy to follow, and are the implications or significance of the results to the identified research issue or problem clearly identified? (10 Points)* Score _____
- **Validity of Conclusions.** *Are the stated conclusions supported by the results or a logical outcome, and do they prove or disprove the validity of the stated hypothesis? (10 Points)* Score _____

5. Abstract (10 Points)

- **Writing style & Organization.** *Is the abstract well organized and written in an appropriate style with good grammar & spelling? (5 Points)* Score _____
- **Clarity and Contribution to Understanding Project.** *Is the abstract easy to understand and did it summarize the project in a way that contributed to complete understanding of the project? (5 Points)* Score _____

Total Score _____
(Maximum Score is 100 Points)