

**MAFMA FUNDED PROPOSALS
SECOND COMPETITION - 1995**

| | UNIVERSITY | TITLE | PRINCIPAL INVESTIGATOR | MAFMA \$ RECEIVED | TOTAL MATCHING FUNDS |
|----|--------------|--|------------------------|-------------------|----------------------|
| 1 | Iowa State | Protein Engineering of Glucoamylase | Clark Ford | \$25,000 | \$25,000 |
| 2 | Kansas State | Decontamination of meat carcasses using low pressure steam in a commercial processing facility and subsequent shelf life effects | Randall Phebus | \$50,000 | \$50,000 |
| 3 | Kansas State | Design, Construction, and Evaluation of a High-Velocity Impingement Oven Simulator (to Develop Information on and the Theory of Impinging Heat Transfer Rates in Institutional Baking Ovens) | Chuck Walker | \$49,428 | \$63,032 |
| 4 | Missouri | Rheological and Functional Property Changes in Wheat Gliadin Fortified Dough for Pasta Manufacturing Process | Fu-hung Hsieh | \$10,282 | \$20,000 |
| 5 | Missouri | Vision System Development for On-line Beef Grading | J. Tan | \$32,677 | \$37,177 |
| 6 | Nebraska | Development of an Immunoassay to Detect Soybean Contamination of Corn and Corn Products | Susan Hefle | \$36,000 | \$36,000 |
| 7 | Nebraska | Efficacy of Thermal Processes to Reduce Toxicity and Mutagenicity of <i>Fusarium moniliforme</i> and <i>Fusarium proliferatum</i> Cultured Corn | Lloyd Bullerman | \$50,000 | \$57,000 |
| 8 | Ohio State | Chemistry of Collagen Interactions in Co-extruded Sausage Manufacturing | Grady Chism | \$30,000 | \$30,000 |
| 9 | Ohio State | Development and Scale-Up of a Fibrous-Bed Bioreactor for Fermentations to Produce Food Ingredients | Shang-Tian Yang | \$50,000 | \$75,955 |
| 10 | Purdue | Quality Related Changes in Corn Proteins Due to Processing | Bruce Hamaker | \$16,613 | \$20,000 |
| 10 | Totals | | | \$350,000 | \$414,164 |