

**MAFMA FUNDED PROPOSALS  
THIRTEENTH COMPETITION - 2006**

	UNIVERSITY	TITLE	PRINCIPAL INVESTIGATOR	MAFMA \$ AWARDED	TOTAL MATCHING FUNDS RECEIVED
1	Illinois	Mechanism of Action of Menthone in Ameliorating Oral Cavity Malodor Caused by Consumption of Garlic	Keith R. Cadwallader	\$24,288	\$50,000
2	Kansas State	Development of Phenylalanine-free Zein Protein in Transgenic Soybean as a Value-added Trait for PKU Patients	Harold N. Trick	\$21,890	\$47,497
3	Michigan State	Modeling the Microbiological Effect of Low-Energy X-Ray Irradiation on Ground Beef Patties	Bradley P. Marks	\$50,000	\$103,450
4	Michigan State	Efficacy of Two Commercial Sanitizers Against <i>Listeria monocytogenes</i> , <i>Escherichia coli</i> 0157:H7, and <i>Salmonella</i> on Conveyor Belts During Normal Operation	Elliot T. Ryser	\$50,000	\$50,000
5	Minnesota	Effect of Processing on the Fate of Phenolic Compounds and Antioxidant Activity in Wheat Products	Len Marquart	\$50,000	\$50,000
6	Nebraska	Cholesterol-lowering Properties of Phytosterol Esters Made with Beef Tallow Fatty Acids	Timothy P. Carr	\$50,000	\$50,000
7	Ohio State	Effectiveness of Clean-in-Place (CIP) Systems on Removal of Food Product Residuals	W. James Harper	\$24,288	\$192,400
8	Ohio State	Predicting the Quality of Cheddar Cheese by Infrared Spectroscopy	Luis E. Rodriguez-Saona	\$41,890	\$60,000
9	Ohio State	Minimizing <i>Pseudomonas</i> spp. Biofilms in the Food Environment Using the Cleaning-In-Place (CIP) System	Hua Wang	\$22,714	\$60,826
10	Ohio State	A Fermentation-Ultrafiltration Process for Xanthan Gum Production from Waste Sugars	Shang-Tian Yang	\$50,000	\$55,000
11	Purdue	The Efficacy for Treating Grain with Ozone in Continuous Flow Systems	Charles P. Woloshuk	\$10,930	\$334,268
11		Totals		\$396,000	\$1,053,441