2006 RMA Research and Development Agreements

Project Name/Area(s)	Organization	Contact	Amount	Objective
Analysis of Risk Management Strategies for Irrigation During Periods of Water Shortages States: OR	Oregon State University	Marshall English 541-737-6308	$275,097.00	Develop a web-based decision-support tool to assist producers with irrigated farms dealing with reduced water supplies by modeling the relationship between irrigation intensity and crop yield reductions.
Integrated Risk Management Tool for Cattle Health Monitoring States: National	Strategic Solutions International, LLC	Steve Trost 405-412-7879	$766,667.00	Develop a risk-management tool to enable beef cattle producers to quickly identify, isolate, and treat diseased cattle to reduce the spread of infectious disease and improve production and performance.
Risk Management Assessment of Winter Canola Production Practices in Kansas States: KS, OK	Kansas State University	Victor L. Martin 620-663-5525	$ 87,826.05	Develop recommendations for winter canola in Southcentral and Southwest Kansas that will assist in controlling pest pressures resulting from the continuous cropping of cereal crops.
Building Farm Energy Self-Sufficiency: Tools for Self-Protection States: MT, CA	National Center for Appropriate Technology	Mike Morris 530-792-7338	$225,097.00	Develop alternative energy supply strategies so farmers and ranchers can protect themselves from energy supply disruption and encourage self-protection for agricultural operations vulnerable to losses due to terrorism.
Enhancing Irrigation Management Tools and Developing a Decisions System for Managing Limited Irrigation Supplies States: NE, CO, KS, WY, OK, TX	University of Nebraska	Gary W. Hergert 308-632-1372	$885,093.00	Develop a tool to determine the optimum strategies for managing water allocations, evaluate irrigation system improvements, and develop improved irrigation response crop production functions for oil seed and pulse crops grown in the semiarid High Plains.
Development of a Disease Forecasting System for Strawberries as a Tool on *AgClimate* States: FL	University of Florida	Natalia A. Peres 813-633-4133	$250,762.00	Develop a web-based disease forecasting system to predict anthracnose and Botrytis so Strawberry growers will be able to access information needed for decisions on fungicide applications to reduce application and production costs without compromising disease control.
Pest Management Options and Related Investment Analysis System for Forage Lands States: TX, NM	Grazingland Management Systems, Inc.	Wayne Hamilton 979-764-7896	$451,164.44	Design a decision support system to inform forage producers of sound pest management options associated with weed and brush control as well as the economic impact of the pest management options considered.
Water Allocation Risk Analysis Tool States: TX, KS, CO, NE	Kansas State University	Kevin Dhuyvetter 785-532-3527	$698,952.00	Develop a web-based tool to provide individual producers with expectations of crop yields, yield variability, and profitability under a variety of water-use scenarios utilizing distinctively localized information.