

## 2005 RESEARCH AND DEVELOPMENT PARTNERSHIP AGREEMENTS

<b>Project Name/Areas(s)</b>	<b>Organization</b>	<b>Contact</b>	<b>Amount</b>	<b>Objective</b>
Develop a Risk Management Tool for Soybean Rust  States: KY, LA	University of Kentucky	Saratha Kumudini (859) 257-5020	\$314,191	Develop a simple yield loss model based on fast and easy, in-field measurement of legume canopy leaf area.
An Integrated Real-Time Groundwater-Level Monitoring Network  States: NE	University of Nebraska	Mark E. Burbach (402) 472-8210	\$403,293	Develop a cost-effective web-based groundwater-level monitoring network to provide producers a plan to recognize, deal with, and document multiple-year droughts
Holistic Rangeland & Livestock Risk Management Program for Limited English Audiences  States: NM	AgForce, Inc	Kerry Shropshire (979) 324-4186	\$438,703	Objective is to design, implement, and evaluate a total rangeland and livestock risk management model to assist producers with limited English proficiency.
Tools for Promoting Integrated Risk Management on Latino, Hmong, and Native American Small Farms  States: WA	Washington State University	Marcia Ostrom (253) 445-4514	\$503,394	The aim of this project is to improve the profitability of targeted farms by developing integrated, systems-based tools for successfully managing the most significant production and financial risks.
Transitioning to Organic Dairy: A Comprehensive Risk Reduction Tool  States: ME, MA, NH, VT, RI, CT, NY, NJ, PA.	Northeast Organic Farming Assoc. of NY	Sarah Johnston (518) 922-7937	\$538,685	Developing a risk management tool for conventional dairy farmers transitioning to organic dairy production.
Holistic Debt, Crop Insurance, and Whole Farm Financial Risk Management Tool  States: MT, WY, ND	Watts and Associates, Inc.	Joe Atwood (406) 252-7776	\$306,835	Create a decision tool to assist producers in the risk management decision process by estimating the probability of firm level survival given the use of specific risk management tools.
Risk Management Assessment of	New Mexico State University	Erin Silva (505) 646-1914	\$236,999	Identify alternative winter season vegetable

Diversified Vegetable Production in Southern New Mexico  States: NM				varieties that tolerate diseases, pests, and environmental stresses common in southern New Mexico vegetable production.
AgALERT Rollout: Deployment and Refinement of System  States: Contiguous U.S.	AIR Worldwide Corp	Tim Doggett (617) 267-6645	\$345,114	Develop an operational producer application from an existing risk assessment prototype which will enable producers to manage weather-related risk and mitigate multi-year losses,.
Forage growth prediction tools for livestock production during drought  States: UT, WY, MT, SD, NE, KS, CO	USDA-ARS	Gale Dunn (970) 492-7320	\$570,132	Develop simple forage growth prediction tools that consider site-specific conditions, and the relationship between forage production and environmental factors.
Organic Farm Business Management  States: MN	Minnesota Department of Agricultural	Meg Moynihan (651) 297-8916	\$278,730	Develop a tool, based on real-world farm data that will assist organic producers in accessing the multiple production and financial factors that interact to impact financial viability.
Development of a Tool for Managing Risks Associated with Livestock Disease Control, Performance and Revenue  States: All States	Strategic Solutions International, LLC	Steve Trost (405) 412-7879	\$436,556	Develop and implement a secure cattle identification system that provides continuous monitoring of an animal's deep-body temperature to reduce risk in the areas of health management, performance, and sales price.

<p>The Strategic Risk Management Process: Publication, website, and professional training.</p> <p>States: All States</p>	<p>Montana State University</p>	<p>Duane Griffith (406) 994-2580</p>	<p>\$404,110</p>	<p>Develop a publication on risk management that will walk a producer through a practical ten-step program developed for risk management in agriculture called Strategic Risk Management Planning.</p>
<p>Tools for Managing Pest and Environmental Risks to Organic Crops in the Upper Midwest</p> <p>States: MN, IA, WI, SD, ND</p>	<p>University of Minnesota</p>	<p>Craig C. Scheaffer (612) 625-7224</p>	<p>\$644,426</p>	<p>Develop risk management tools to assist producers in finding organic alternative products, techniques or strategies related to disease management and/or pest mitigation.</p>
<p>Rangeland and Forage Geospatial Decision Support System for Drought Risk Management</p> <p>States: Contiguous U.S.</p>	<p>University of Nebraska-Lincoln</p>	<p>Donald Wilhite (402) 472-6707</p>	<p>\$1,023,038</p>	<p>Develop risk management tools to assist forage and rangeland producers by expanding the innovative Vegetation Drought Response Index (Veg DRI).</p>
<p>Oyster Mushroom Production and an Economic Analysis for Small Disadvantaged Farmers in the Central Valley, Calif.</p> <p>States: CA</p>	<p>University of California Cooperative Extension</p>	<p>Richard Molinar (559) 456-7555</p>	<p>\$99,338</p>	<p>Develop educational materials which will enable many ethnic minority specialty crop producers to diversify their operations in the Central Valley of California through the production of oyster mushrooms.</p>
<p>A Risk Management Tool for chronic wasting disease (CWD) in captive cervid farms.</p> <p>States: All States</p>	<p>Colorado State University</p>	<p>Paulo C. Duarte (970) 491-0774</p>	<p>\$245,973</p>	<p>Develop a risk management tool to assess, manage and mitigate risk of chronic wasting disease in captive cervid farms.</p>
<p>A Risk Management Tool for Florida Citrus Producers</p> <p>States: FL</p>	<p>University of Florida</p>	<p>Richard Weldon (352) 392-1826</p>	<p>\$197,670</p>	<p>Develop a risk management tool for Florida citrus producers to evaluate strategies or management options for reducing the impact of losses associated with the citrus diseases, citrus canker and Tristeza.</p>

<p>Research and Development of Non-Insurance Based Risk Management Financial Tools for Selected Farmers in Selected Southern States</p> <p>States: AR, AL, GA, FL, LA, MI</p>	<p>North-South Institute</p>	<p>Samuel Scott (954) 434-8220</p>	<p>\$351,148</p>	<p>Upgrade existing financial/business risk management tools to mitigate the financial risks on minority-owned and underserved small family farms, and for producers of specialty crops and selected program commodities.</p>
<p>Research and Development of a Cattle Basis Risk Analysis Tool (CBRAT)</p> <p>States: TX, MO, NE, SD, KS, MT, KY, TN, IA, AR, FL, ND, WY, AL</p>	<p>Custom Ag Solutions</p>	<p>Kevin Dhuyvetter (307) 548-9636</p>	<p>\$514,482</p>	<p>Develop a web-based risk management tool to assist livestock producers to access, analyze and apply relevant pricing information to more effectively understand and manage their price risk through available hedging tools.</p>
<p>Development and Implementation of Reduced-Risk Pest Management Strategies in Rangeland Beef Cattle</p> <p>States: WA, OR, ID, MT, NV, UT</p>	<p>Washington State University</p>	<p>Douglas B. Walsh (509) 786-9287</p>	<p>\$385,425</p>	<p>Develop a risk management tool to mitigate production, revenue, and market risks by increasing the viability, marketability, and profitability of cattle through enhanced control of parasite, arthropod, and subsequent opportunistic disease pests.</p>