Risk Management for Current and Potential Users of Unmanned Aircraft Systems: An Emerging Technology

The use of drones in agriculture becomes more prolific with the arrival of each spring. This new technology grants agriculturalists the advantage of air superiority, allowing farmers to increase production and monitor crop growth from the air. However, drones can be dangerous for agricultural purposes, causing the Federal Aviation Administration (FAA) to implement rules and regulations regarding the use of drones.

In 2017, the University of Arkansas Cooperative Extension Service coordinated a project to educate current and future commercial users of small unmanned aircraft systems (sUAS) by using risk-based training. The project covered platforms and sensor systems, agricultural uses, data processing, risk and liability, and flight regulations. This information was presented to an audience of producers and agriculture information providers from the 13 major states in the southern region. A total of five workshops were held to demonstrate proper flight techniques and data workflow practices.

As a result of this project, 351 participants attained an improved knowledge of potential agriculture uses for drones, including flight regulations, data processing, and types of platforms and sensors. Participants also left with a better understanding of the liability issues associated with sUAS and how to make informed decisions to match the appropriate drone with their needs. Based on evaluations, participants expect to save nearly $21,000 per year as a result of attending the project workshops.

The Southern Extension Risk Manage Education Center (SRMEC) seeks to empower the strengths and skills of farmers and ranchers across the Southern region to more effectively manage risks of operating in the diverse agricultural sector. To learn more about this SRMEC funded project visit this link: Risk Management for Agriculture Aircraft Systems

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"I really appreciated starting with all the basics and building information. I would have never dreamed it would be this simple and cost effective."

-Arkansas Farmer

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Empowering Producers to Manage Risks

EXTENSION RISK MANAGEMENT EDUCATION

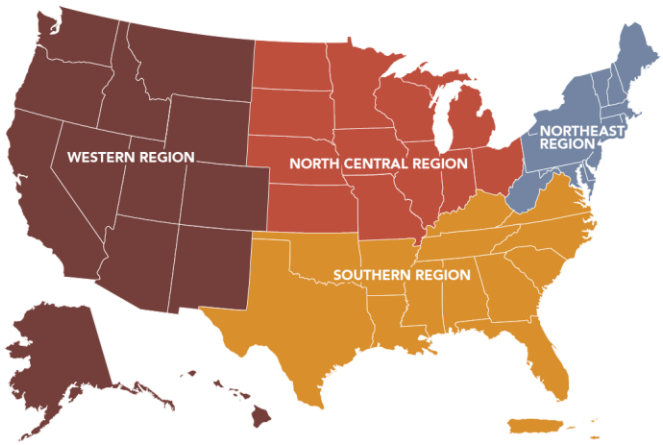
USDA United States Department of Agriculture | National Institute of Food and Agriculture

"Educating America's farmers and ranchers to manage the unique risks of producing food for the world's table."

Extension Risk Management Education (ERME) is delivered through four regional centers that provide grant funding and leadership within their regions.

Projects are producer-focused, results-based and encourage public-private partnerships. Funded projects must identify targeted results that will help producers manage risk and then describe how the project will measure those results.

Extension Risk Management Education has funded innovative programs that have generated tangible results for producers in every state. ERME is committed to funding results, providing transparent accountability, and encouraging collaboration. View the accomplishments of all funded projects on our website.
http://ExtensionRME.org



ERME REGIONAL CENTERS

NORTH CENTRAL EXTENSION RISK MANAGEMENT EDUCATION

University of Nebraska
Dept. of Agricultural Economics
303 Filley Hall
Lincoln, NE
68583-0922

(402) 472-1742
NCERME.org

NORTHEAST EXTENSION RISK MANAGEMENT EDUCATION

University of Delaware
Dept. of Applied Economics and Statistics
112 Townsend Hall
Newark, DE
19716-2130

(302) 831-6540
NERME.org

SOUTHERN EXTENSION RISK MANAGEMENT EDUCATION

2301 South University Ave.
Little Rock, AR
72204

(501) 671-2165
SRMEC.uaex.edu

WESTERN EXTENSION RISK MANAGEMENT EDUCATION

222 N. Havana St.
Spokane Valley, WA
99202

(509) 477-2168
WESTRME.wsu.edu

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