Evaluation/Impacts

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Adapted from the Extension Risk Management Education Grants Program Team Presentation





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ERME Mission

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

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Return on Investment

- ERME grants are an investment in agricultural producer education
- If the risk management outcomes that producers achieve are the return on investment in funded projects...
- Then measuring producer outcomes is paramount to demonstrating the return on investment and should be an integral component of program planning and design, not an afterthought!

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Evaluation Methodology

Outcomes

"Begin with the end in mind"* or "plan backward, implement forward"**



 Stephen Covey (2004). The 7 Habits of Highly Effective People
 Jon Newkirk, Former Director, WSU Western Center Beverly Anderson Parsons, WKKF Cluster Evaluator



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A Word on Outcomes

- Focus on producer outcomes
 - Change in knowledge → understanding
 - Change in action → development and implementation
 - Change in condition → impact
- Proposed outcomes should drive program planning
 - What are the resources, inputs, steps, and outputs needed to help producers achieve outcomes?
 - Are the outcomes measurable?
- Outcomes, not outputs
 - Meetings and participants are steps and outputs the measurable outcome should be focused on what producers achieve
 - Curriculum, tools, papers, etc. are outputs, not outcomes the outcome is what producers achieve by using the outputs



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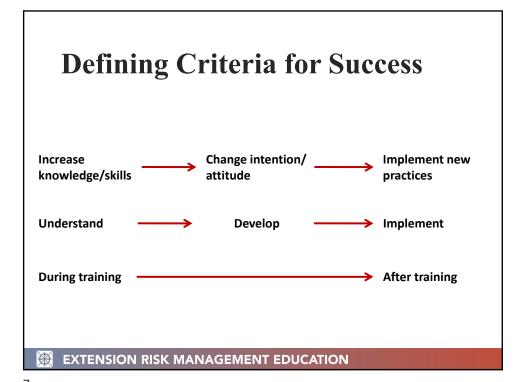
Evaluation Methodology

Measuring Outcomes









Developing Tools to Measure Outcomes

Type of measurement

- Direct demonstrate learning through observable actions/outcomes
- Indirect imply learning through change in perceptions or attitude

Time of measurement

- Before
- During
- After
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Developing Tools to Measure Outcomes

Method of measurement

- Observation (draft business plan, permit; application)
- · Peer assessment of product or skill
- · Self-assessment of a product or skill
- Photos, screen capture, video (before/after)
- · Questionnaire/survey
- Interview (individual, group)
- Submitted/approved document (application, permit, report)
- Test
- · Testimonial
- · Logs, records
- · Other



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Developing Tools to Measure Outcomes

When writing questions, think about:

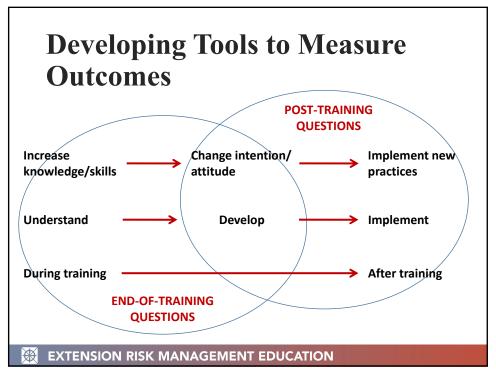
- How the information gathered will be used
- The way you ask a question will influence how participants respond
- When you ask a question will influence how participants respond

Developing Tools to Measure Outcomes

- End-of-training questions
 - Knowledge gained/skills learned
 - Intentions to change behavior/change in attitudes
- Post-training questions
 - Actual implementation of new practices/changes in behavior
 - Lasting knowledge gains

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Develop Outcom End-of-Tr	ies						
Likert Scale	Questio	ons					
Intentions							
Please indicate the ext	tent to whic	h you agree wi	th each stat	ement:			
In the next 3 months, I will implement	Strongly agree	Moderately agree	Slightly agree	Slightly disagree	Moderately disagree	Strongly disagree	
Practice A							
Practice B							
Practice C							
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Developing Tools to Measure Outcomes End-of-Training Question Development

Retrospective Pre-Post Questions

Knowledge/Skills

How much did you / do you now know about these topics?	BEFOR	E this pr	ogram I	knew		NOW I know					
·	Very Little	Little	Some	Much	Very Much	Very Little	Little	Some	Much	Very Much	
1. Topic 1	1	2	3	4	5	1	2	3	4	5	
2. Topic 2	1	2	3	4	5	1	2	3	4	5	
3. Topic 3	1	2	3	4	5	1	2	3	4	5	

Developing Tools to Measure Outcomes End-of-Training Question Development

Analyzing Retrospective Pre-post Questions

- Compare percent change in each column
- Calculate average point shift of participants

	How much did you/ do you now know about	Change in wh					
	these subjects?	Very little	Little	Some	Much	Very much	Average point shift
-	Topic 1	0%	-11%	+6%	-3%	+7%	+.02
	Topic 2	-16%	+2%	-29%	+37%	+7%	+1.9
	Topic 3	-5%	-9%	-17%	+30%	+1%	+0.55

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Developing Tools to Measure Outcomes Post-Training Question Development

Retrospective Pre-Post Questions

Indicate the extent to which you did the following BEFORE the	BEFOR	E the tra	ining, I	did		SINCE the training, I do				
workshop and SINCE the workshop	Never	Rarely	Some times	Often	Always	Never	Rarely	Some times	Often	Always
Practice A	1	2	3	4	5	1	2	3	4	5
Practice B	1	2	3	4	5	1	2	3	4	5
Practice C	1	2	3	4	5	1	2	3	4	5

Developing Tools to Measure Outcomes End of/Post-Training Question Development

Open-Ended Questions

- Key to gathering success stories (and other information too)
- Ask for most extreme cases the best or the most –
 if you want to identify successes
- Can also have them interview each other
- Can have them indicate on evaluation if they'd be willing to be interviewed later



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Developing Tools to Measure Outcomes End of/Post-Training Question Development

Open-Ended Questions

- What is the most useful thing you learned and why?
- Of the practices covered, which one are you most likely to implement in the next 6 months and why?

Developing Tools to Measure Outcomes Post-Training Question Development

Open-Ended Questions

- In what ways have you applied what you learned in the training to your own work?
- What new practice have you implemented that has been most beneficial? Why?

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Developing Tools to Measure Outcomes Post-Training Question Development

Yes/No combined with Open-Ended Questions

Since the training, have you done any of the following?	No	Yes	If yes , please describe why you did it and how the practice has impacted your work.
Practice A			
Practice B			
Practice C			

Evaluation Distribution Post-Training Evaluation Formats

Must have participants' contact information!

Formats		
Mail	Reaches audience w/o internet	Costs of mailing surveys and reminders, time required to enter data
Phone	Reaches audience w/o internet, easy analysis, can ask probing questions	Time consuming, need to develop script, participants might be more hesitant to tell truth
Web	Free survey programs available, easy analysis, Can sample everyone	Very easy to ignore

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Evaluation Methodology

Measuring Impacts





Outcome Based Reporting

Documents

- Producer progress towards achieving goals (short and long term)
- Producer stories and testimonials
- Unexpected results/outcomes

Provides access to

- RME curriculum and resource materials
 - Training methodologies
 - Evaluation tools

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Integrating Outcomes into Project Reporting

Summarizing outcomes

- Project overview
- Actual outcomes
- Comments/stories/examples of success

Input into other reports

Impactful Reporting

- Builds capacity for educators who work directly with farmers and ranchers through...
 - Access to risk management curriculum and resources
 - Access to training methodologies
 - Access to successful evaluation methods and tools
- Creates transparency
- Improves accountability
- Documents in a database format risk management outcomes/impacts for farmers and ranchers.
 - Available to federal and state agencies, government offices such as the GAO and OMB, institutions and other funding partners.
- Keeps moving the bar higher for the effectiveness of risk management education.
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Measuring Economic Benefit

Increasing focus on the economic benefit

How can we measure?

- Self reporting
 - How much did your income change?
 - Did your income change by? use ranges
- Participation data plus credible financial data
 - Example project evaluations

Let your regional ERME Center know if you want to do an economic benefit evaluation

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In Summary...

If the "Return on Investment" of grant dollars awarded are the risk management improvements that producers will make...

Then measuring producer outcomes becomes an integral component of program planning and design, not an afterthought!

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