

Ag Budget Calculator with Built-in Risk Exposure Module

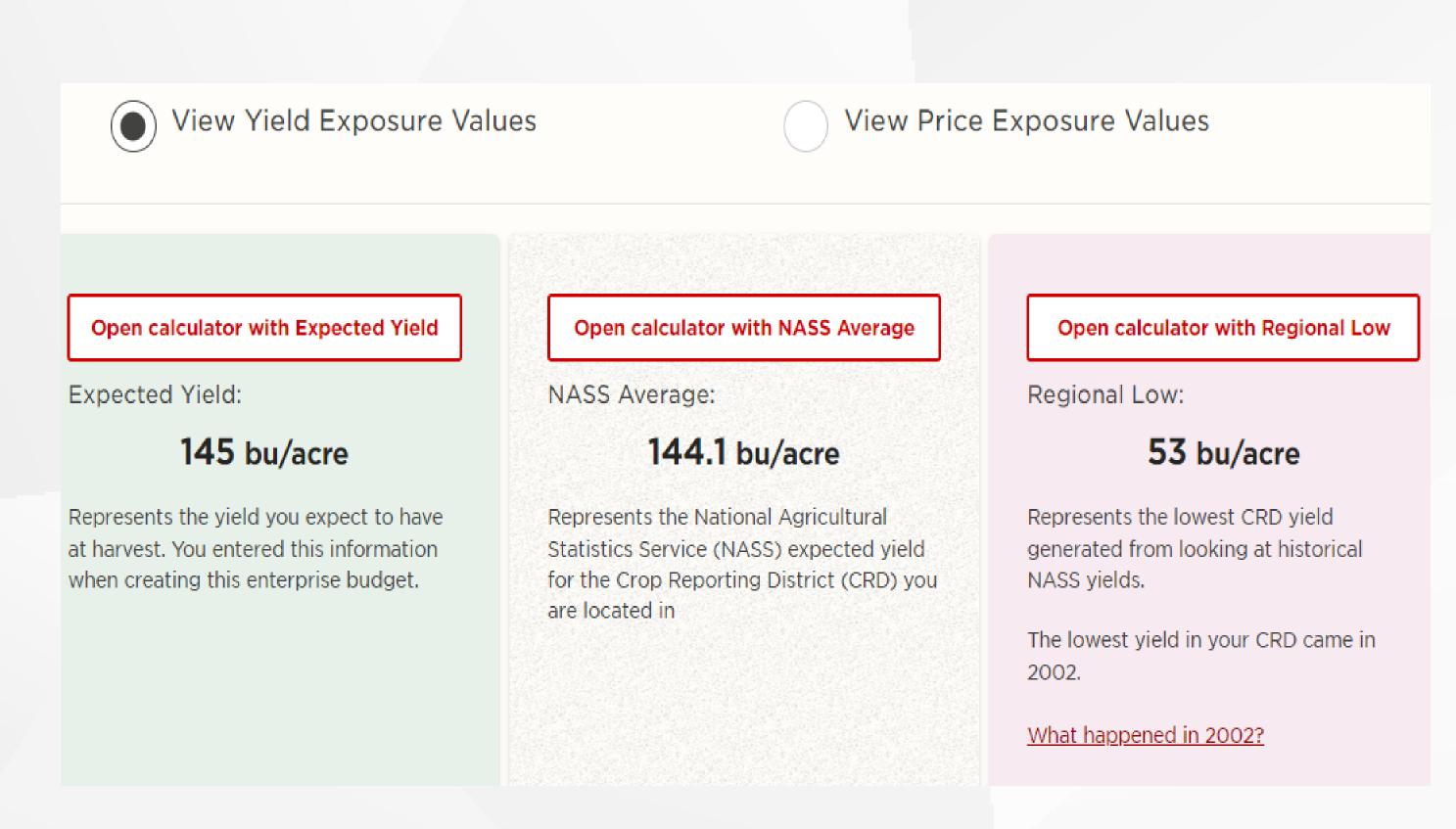
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AGRICULTURAL

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Motivation:

- Traditionally, crop decisions come from examining expected profit (expected revenue – production costs)
- Increasing production costs has led to increases in financial risk exposure
- Failure to understand exposure can lead to farm ruin if rare financially devastating events are realized



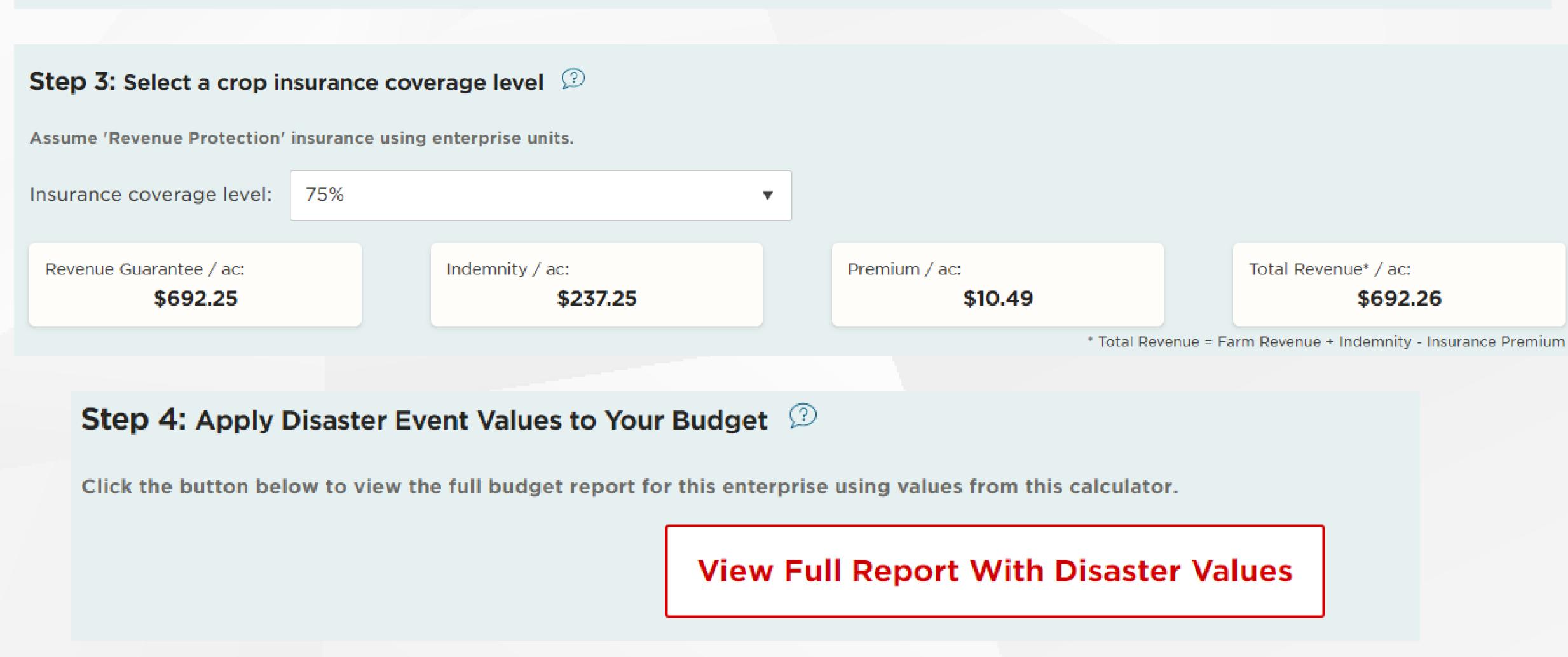
Objective:

- ➤ To build a region- and crop-specific risk module into the new Ag Budget Calculator at the University of Nebraska
- Improve understanding of farm revenue risk exposure and how crop insurance influences risk exposure
- Improve risk management decision making to minimize farm ruin

Risk Analysis Module Example



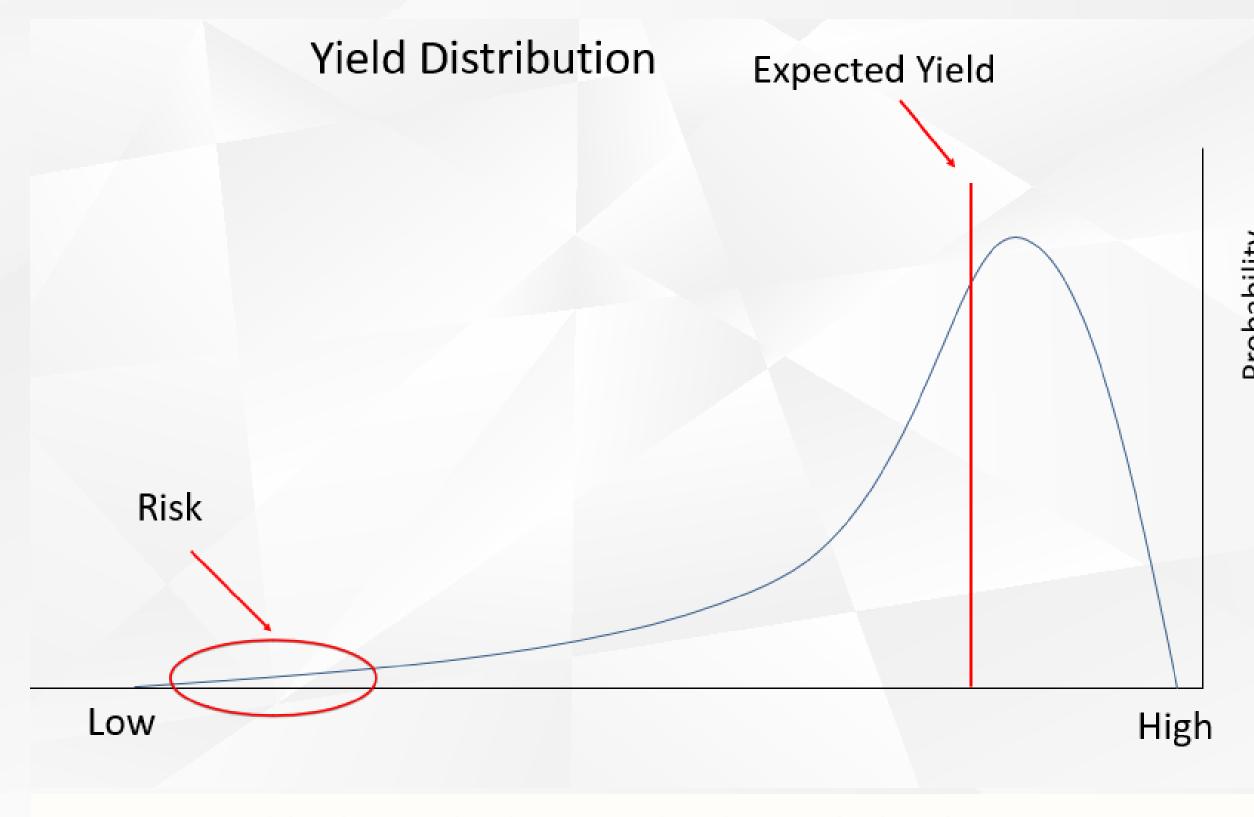
Disaster yield / acre:			Insurance harvest price / bu:		Insurance revenue to count / acre:		
	70	bushels	\$ 6.50		\$ 45	55.00	
Adjust this yield to represent a low yield you want to analyze.				Adjust this price to represent an average of December corn futures during the month of October.		Insurance revenue to count/acre is the product of disaster yield/acre multiplied by the harvest price /bushel.	
Disaster yield / acre: Harve		st futures / bu: Harvest basis / bu:			Farm revenue / acre:		
70	bu	\$	6.90	\$ -0.25		\$ 465.50	
		ted futures price of the nearby contract when you expect to sell rop.	Expected basis value who your crop. Example: if bas cents under, enter as -0.2	sis is 20	Disaster Yield multiplied by Harve Futures minus Harvest Basis.		

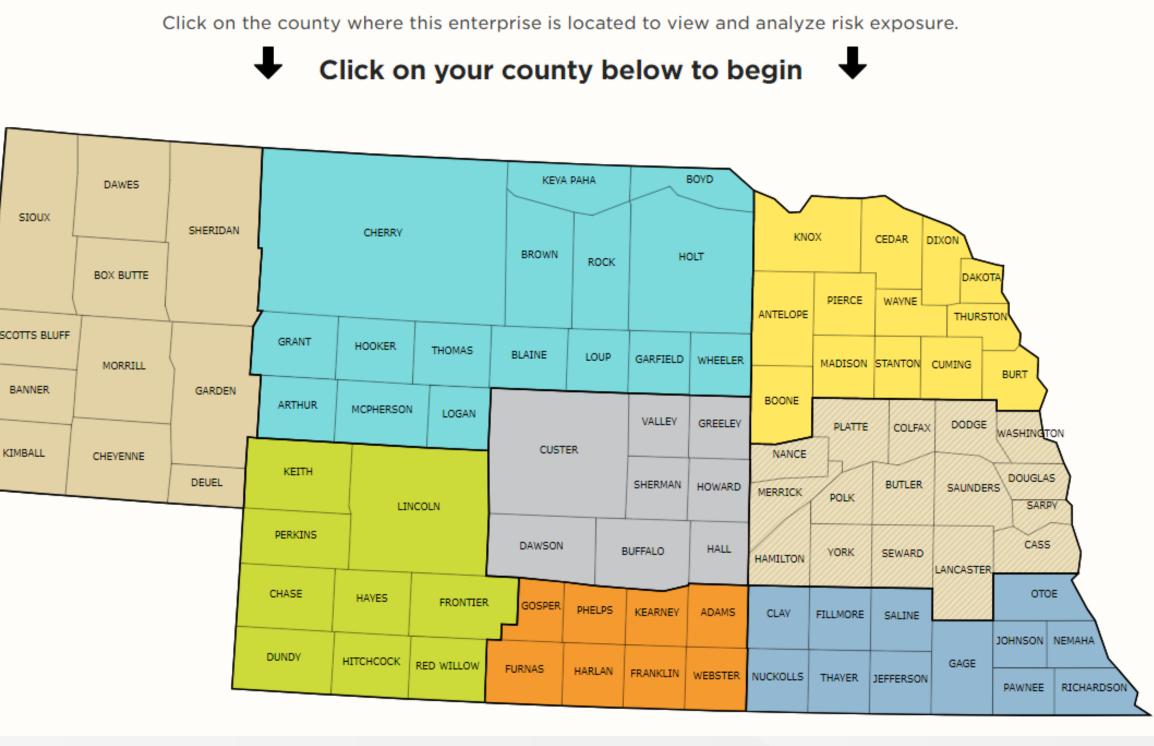












Project & Educational Outcomes:

- To use enterprise budgeting in decision making
- **436** current ABC user accounts
- 4 640 user enterprise budgets created
- Quantify capital needed to survive a rare financially devastating event
- Identify the role of crop insurance in managing rare financially devastating events

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