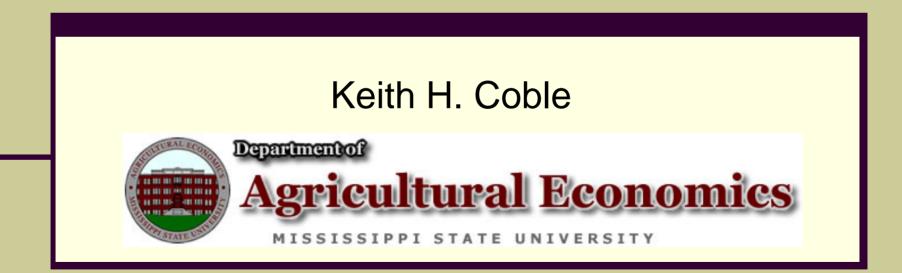
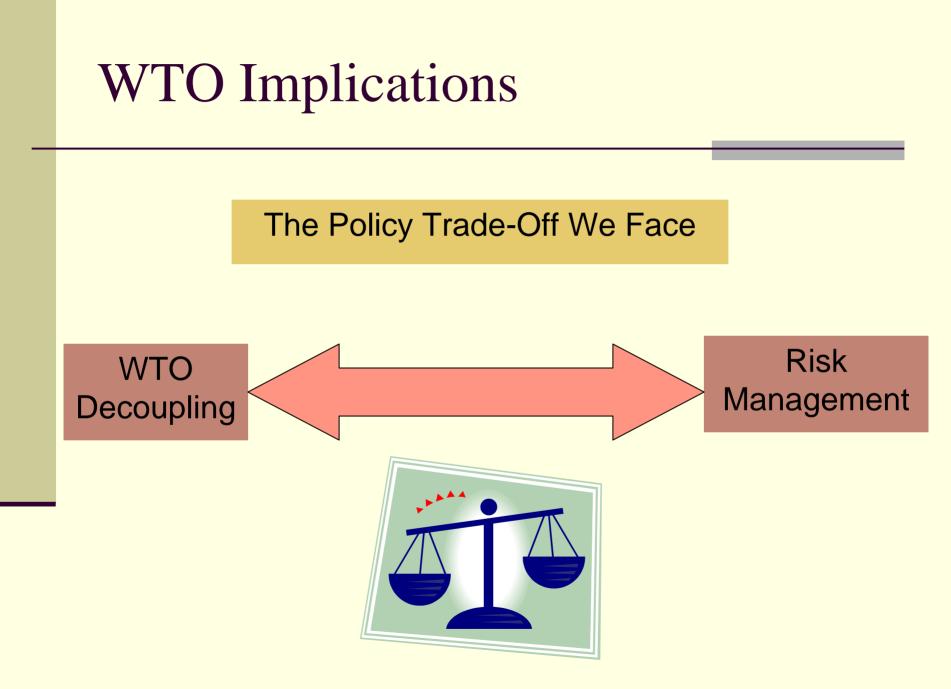
Federal Crop Insurance and Farm Programs — Will WTO or Budget Concerns Shape the Debate?



WTO Implications

- Assuming there are no breakthroughs:
 - we deal with the current agreement
- Decoupling breaking the incentive to produce for the program
 - Reducing the distortions in the market signals
 - "it shall not relate to the type or volume of production (including livestock units) undertaken by the producer; or to the prices,"
- Creates a government risk management policy dilemma



The Two Best Bets for WTO Compliance

- The current direct payment program without the fruit and vegetable provision.
 - Does not help with risk
- A whole farm revenue guarantee with a 70% trigger that subsumes crop and livestock revenue.
 - Simple in theory
 - Complicated in practice
 - Not very attractive

Budget Dilemma

- Good prices are reducing the baseline
- Similar to 1996?
- I will be a contrarian
 - As long as corn is a commodity we will find a way to produce more
 - and low prices will return.



The Nature of Agricultural Risk

- Crop price homogeneous
 - Across regions and crops
 - Most program crop producers face fairly similar price risk and commodity program effects on a per unit basis

	Price Variability Across Crops									
	Cotton	Corn	Soybeans	Wheat	Sorghum					
Coefficient of Variation	0.173	0.172	0.158	0.176	0.180					
Source:1975-	-2005 NASS	Annual Pric	es							

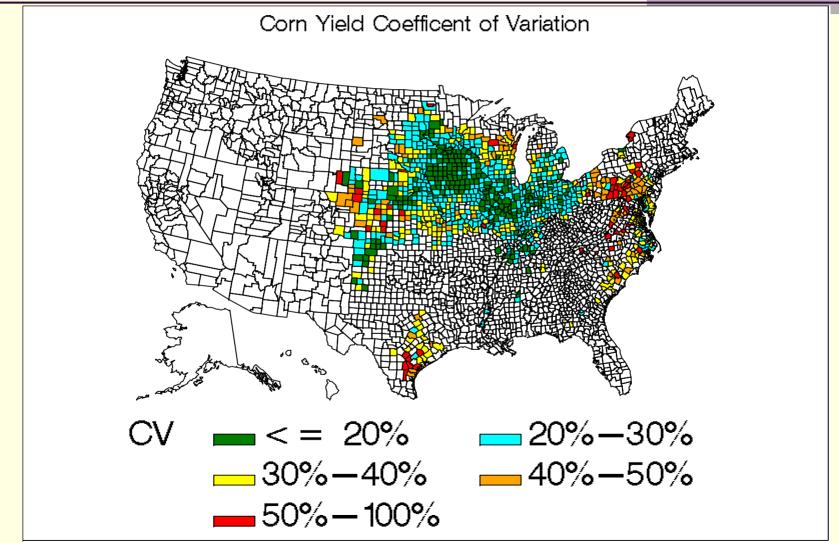
The Nature of Agricultural Risk

- Crop yield risk heterogeneous
 - Varies by crop
 - Varies by region
 - Varies by production practice

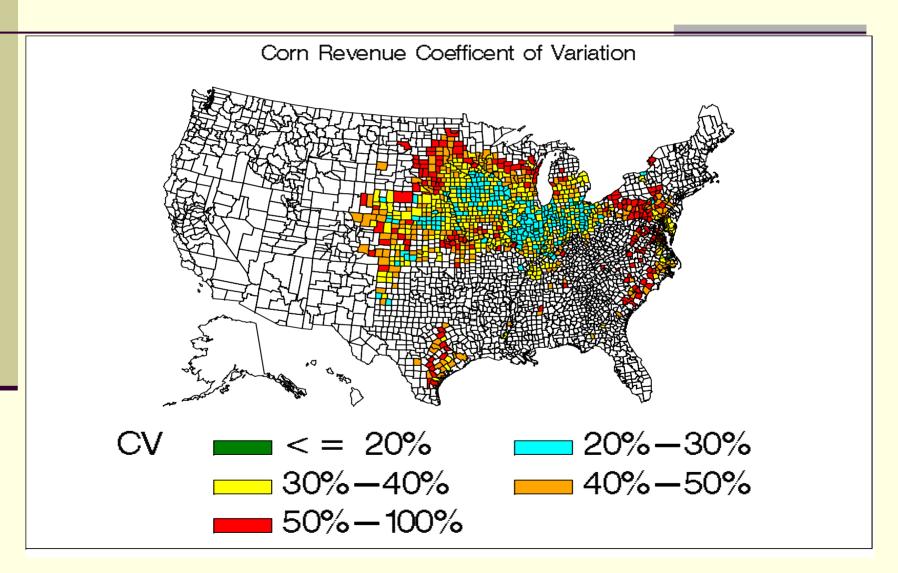


- Crop revenue risk dominated by yield risk
- Because yield and revenue risk are heterogeneous
 - diminish with aggregation

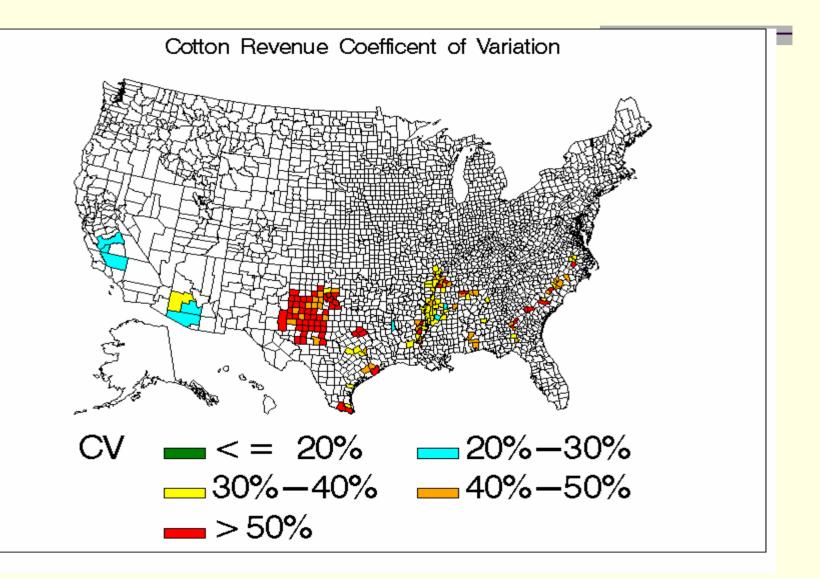
Yield Risk Varies Dramatically by Region



Revenue Risk is Driven by Yield Risk



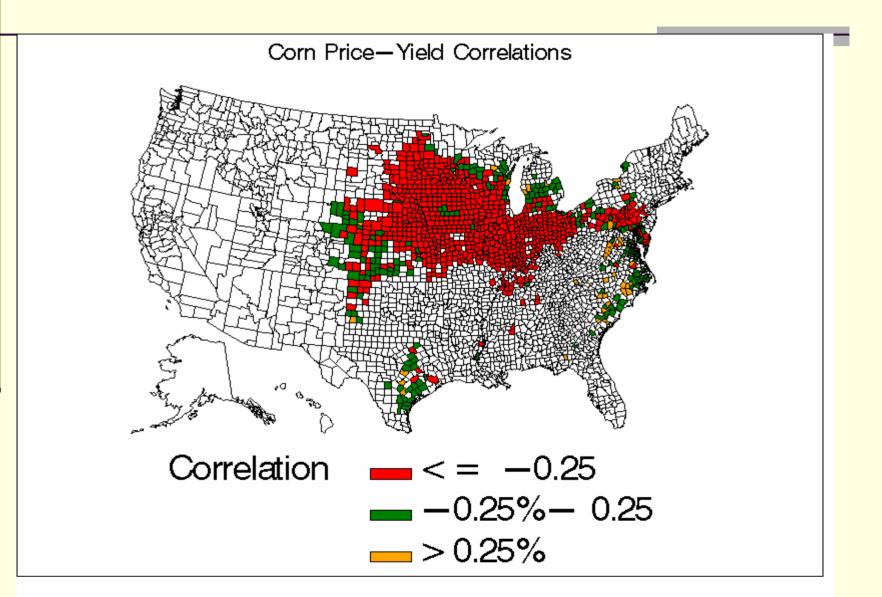
Revenue Risk is Driven by Yield Risk



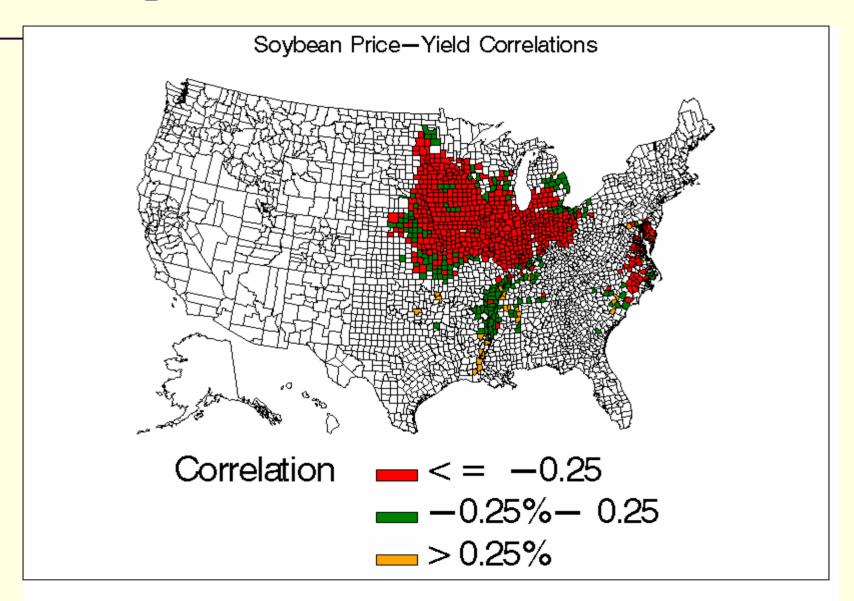
Correlation of County Corn Revenue to National Corn Revenue

	Correlation of Price to National Price	Correlation of Revenue to National Revenue		
Buffalo County, NE	0.99	0.82		
Fulton County, IL	0.99	0.80		
Noxubee, County, MS	0.84	0.60		
Boone County, IA	0.99	0.90		
Beaufort County, NC	0.93	0.68		

Perceptions of Yield Price-Correlation



Perceptions of Yield Price-Correlation



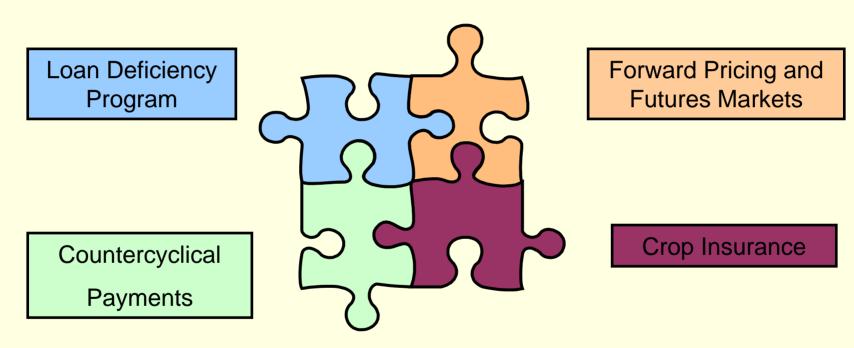
Food for Thought

- Revenue triggered programs
 - Generally popular in Corn Belt where there is negative price-yield correlation
 - Less popular elsewhere where there is little price-yield correlation
- Revenue variability
 - Higher for cotton and wheat
 - Higher outside of the Corn Belt

The Effect of Aggregation on Yield and Revenue Variability

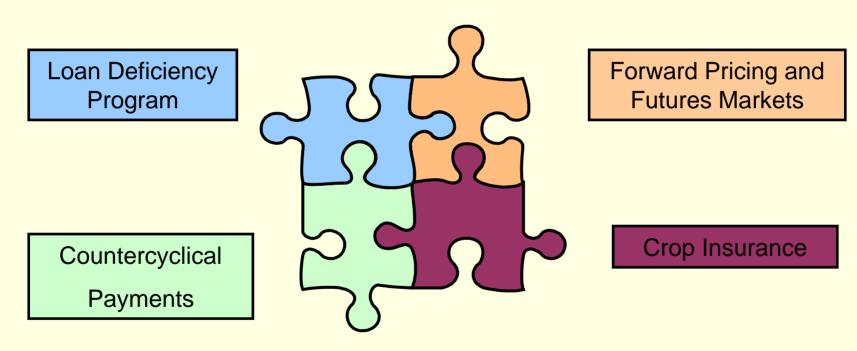
	Coefficient of Variation										
	Cotton		Corn		Soybeans		Wheat				
	Yield	Revenue	Yield	Revenue	Yield	Revenue	Yield	Revenue			
National	0.11	0.20	0.08	0.15	0.07	0.13	0.08	0.18			
Average County	0.26	0.31	0.15	0.19	0.13	0.18	0.26	0.30			
Average Farm	0.39	0.43	0.25	0.28	0.25	0.28	0.43	0.47			

The Risk Management Puzzle for Crop Producers



- Decoupled Countercyclical Payments
- Insurance yield, revenue, or revenue with upside protection

The Risk Management Puzzle for Crop Producers



- Duplication of coverage LDP, RA-HPO, forward pricing
- Coble, Heifner, Zuniga Producers need to adjust forward pricing to reflect the commodity programs and crop insurance.

Government Role in Risk Management

- The best justification for government intervention is market failure
 - Government should concentrate on providing the protection farmers cannot obtain from the market place.
 - Many major commodities can get short-term, but not long-term price protection from futures market
 - Traditionally yield risk not offered by market due to
 - Systemic risk
 - Asymmetric information

Government Role – Crop Insurance

- So what does this imply?
 - Emphasize the aspects of crop insurance that deal with farm-level yield risk
 - Improve rates
 - Producer value
 - Company earnings
 - High prices = increased liability = increased program cost
 - Disaster programs are politically attractive but usually ad hoc = conflict with crop insurance
 - Layering proposal are preferable to recent ad hoc disaster bills

Government Role – Commodity Title

What it would take to achieve green box would not be politically acceptable risk protection

- Avoiding conflict with private price risk tools
 - Establish price targets and let producers hedge short term price risk
- Integrating commodity programs and crop insurance
 - Wraps
 - Layers