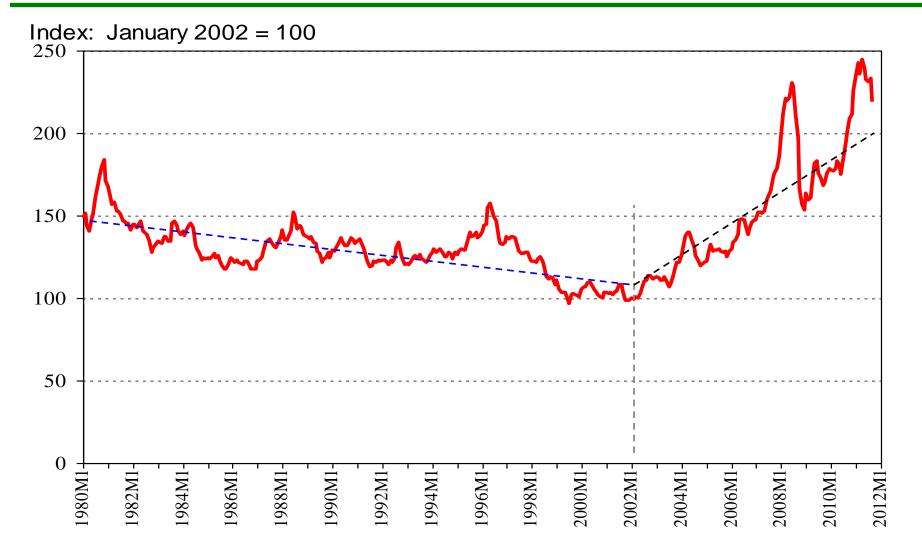
Factors contributing to higher food commodity prices





Food commodity prices since January 1980: Reversal of a 22-year downward trend





Food-commodity prices since January 2002: an upward trend, plus two spikes

Index: January 2002 = 100 June June 2011 250 2008 200 150 December Up 130 % → 2008 100 Up 60 % → 50 Down 33 % → Jan 2002 Jan 2004 'Jan 10 Jan 2006 Jan 2008



Factors contributing to higher food commodity prices

Economy wide

Ag sector

Long-term trends

^	Economic growth
^	Increasing population
>	Cost of energy

_	
>	Meat & dairy consumption
>	Productivity growth
>	Global biofuel production
>	Natural resource constraints

Short-term disruptions

>	Exchange rate (LT & ST)
^	Oil price

>	Weather → production
>	Stock-to-use ratio
>	Exporter behavior
>	Importer behavior



Shifts in global supply and demand pushed up prices

Long-term trends & short-term shocks contributed in different ways:

- Long-term trends in supply and demand led to gradually tightening world markets over the last 2 decades —
- – and to upward trending prices since 2002.

The resulting reductions in global stocks and stocks-touse ratios set the stage for:

- Short-term shocks & disruptions further restricted world food commodity supplies and raised short term demand -
- - and led to price spikes in 2007/08 and 2010/11.



Evolution of long-term trends contributing to higher prices

- Developing country economic and population growth led to increased food demand
 - Growing middle class, increased urbanization, diet diversification
- Slower growth in ag productivity
- Depreciating U.S. dollar
- Higher crude oil prices
- Biofuel production: USA, EU, BRA, ARG, CAN, et.al.
- Increased demand for biofuel feedstocks
- Above factors led to rising food commodity prices,
 but did not directly cause the price spikes

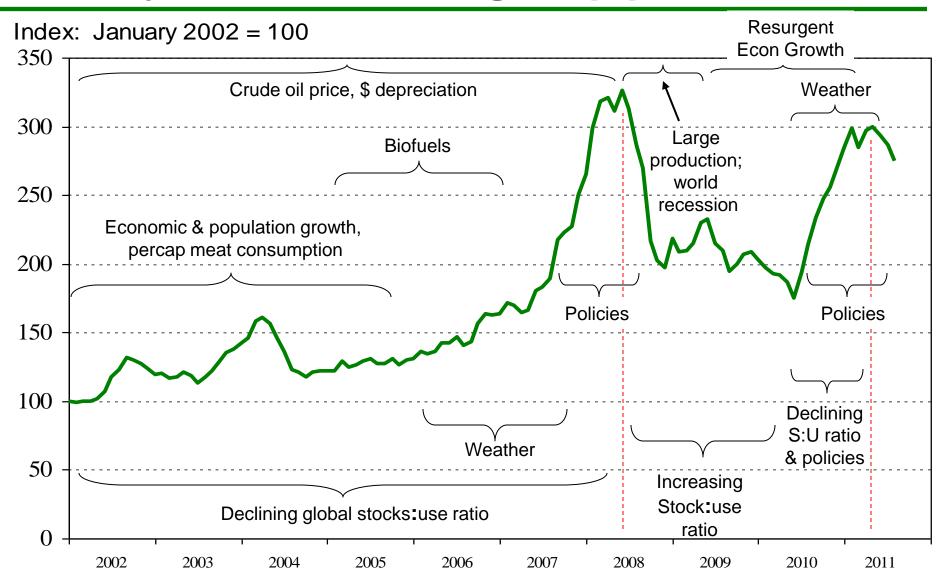


Evolution of short term shocks that resulted in the price spikes (2007/08 & 2010/11)

- Adverse weather reduced world crop production –
 and further reduced world stocks and stocks-to-use ratios
- Sharp changes in macroeconomic factors
 - dollar dropped quickly then recovered quickly
 - Sharp spike in crude oil prices (up, then down)
- Some exporting countries restricted shipments (export quotas and export bans), further reducing importer's access to food commodities
- Anxious importers facilitated consumption (lowered tariffs, raised food subsidies), and increased forward contracting of their import needs. These actions increased short-term demand.



Primary factors affecting crop prices¹

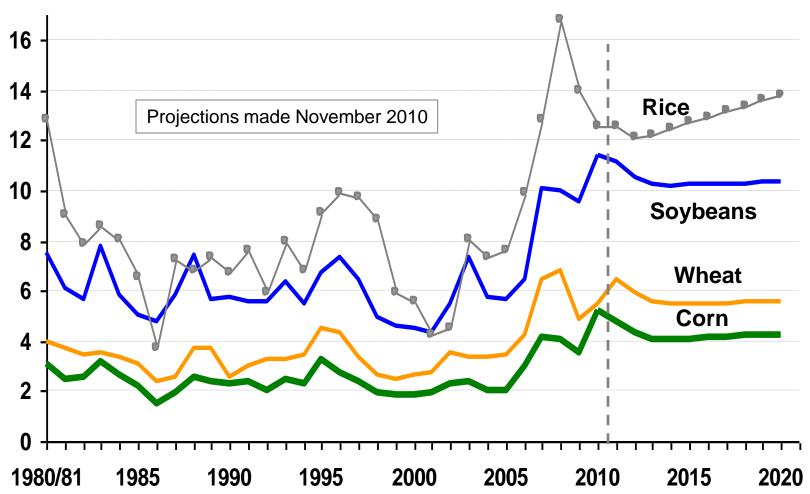


¹4-crop monthly price index: Wheat, rice, corn, & soybean prices, weighted by trade shares.



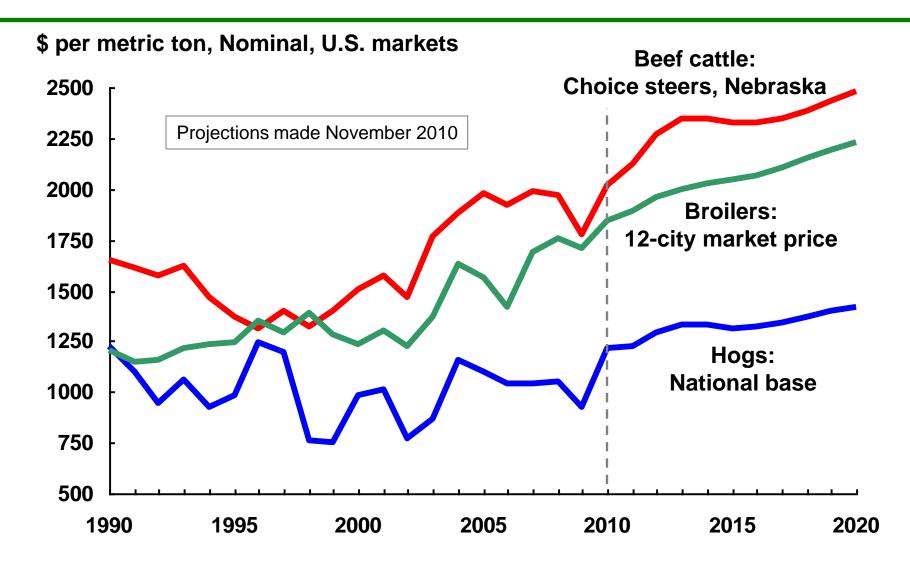
Corn, wheat, rice, and soybean prices projected to remain historically high

\$ per bushel (per cwt for rice)





Livestock Prices





Near-term factors that may influence future ag prices

- Weather
- Global ag production
- Stock levels (Supply & demand balances; stocks policies; selfsufficiency policies)
- Policy changes by food commodity exporters & importers
- Exchange rates (Esp. for commodities denominated in dollars)
- Energy & other non ag prices / Ag production costs
- Economic growth
- Import demand: Who will be the importers? (Role of foreign exchange reserves)



Related reports and contacts

Why Have Food Commodity Prices Risen Again?

http://www.ers.usda.gov/publications/WRS1103/

USDA Agricultural Projections to 2020

http://www.ers.usda.gov/publications/oce111/

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