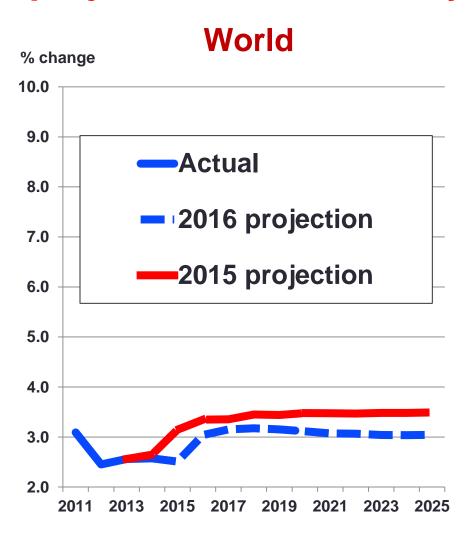
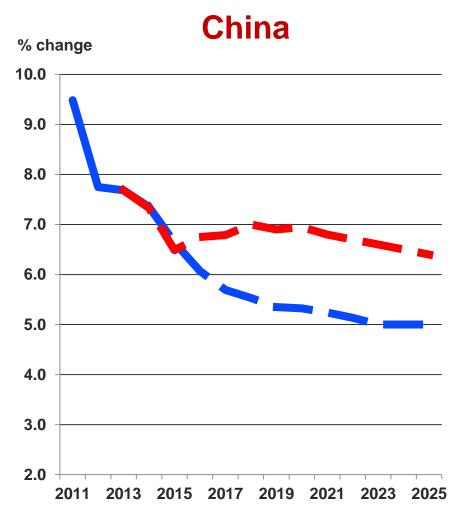


Main themes for 2016

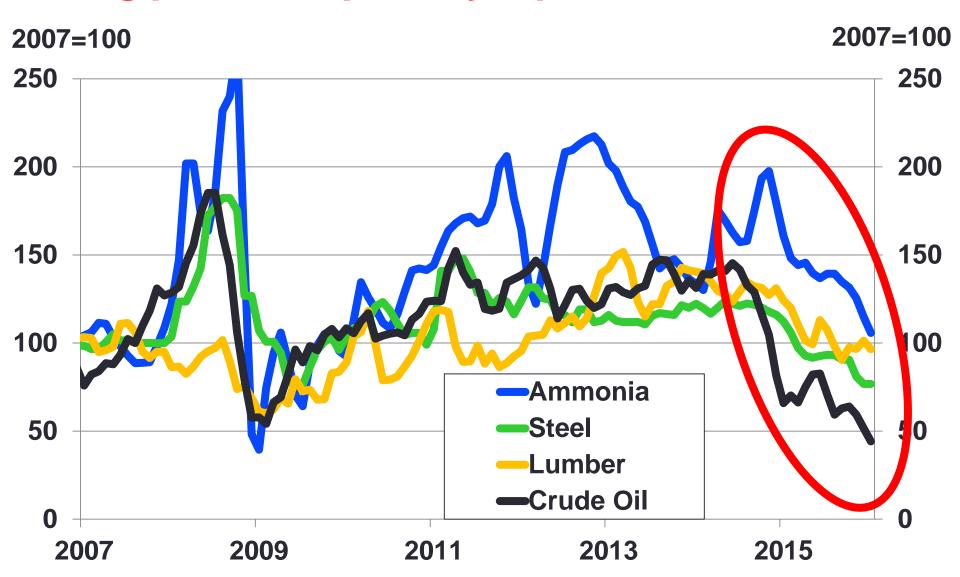
- 1. The macroeconomy is weighing on trade, but there are reasons for optimism.
- 2. Record crop harvests have led to stock building and downward pressure on prices.
- 3. Farm income and farmland values are adjusting.

World GDP growth slows, compared to last year's projections, most notably in China



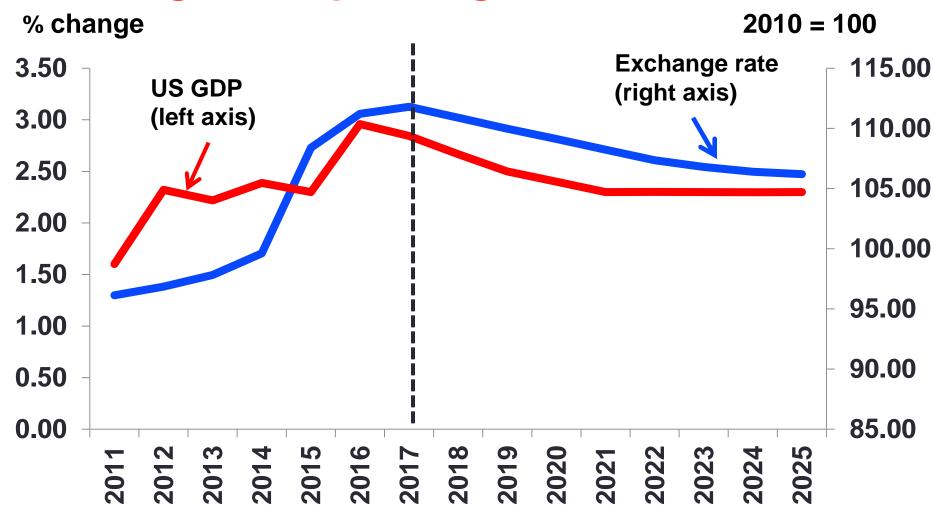


Falling prices for primary inputs



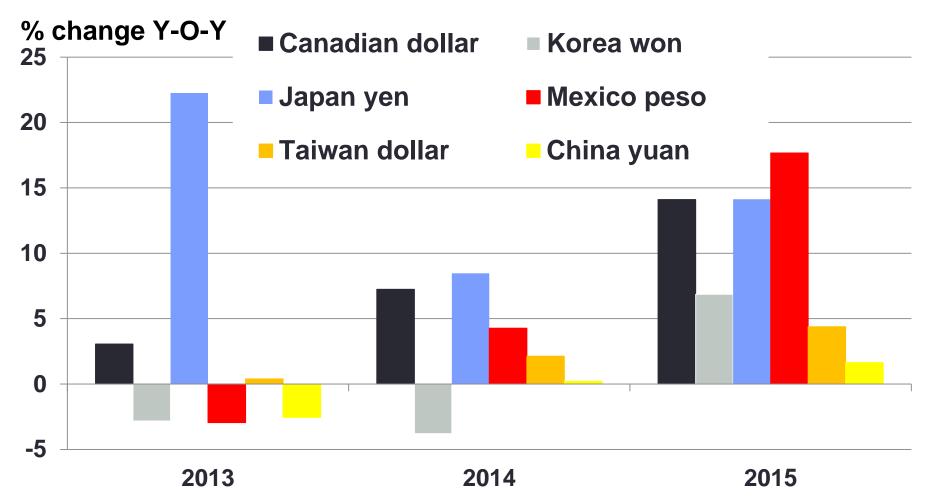
Source: Eikon/Datastream, USDA-OCE.

U.S. GDP growth and real ag trade-weighted exchange rate up through 2017



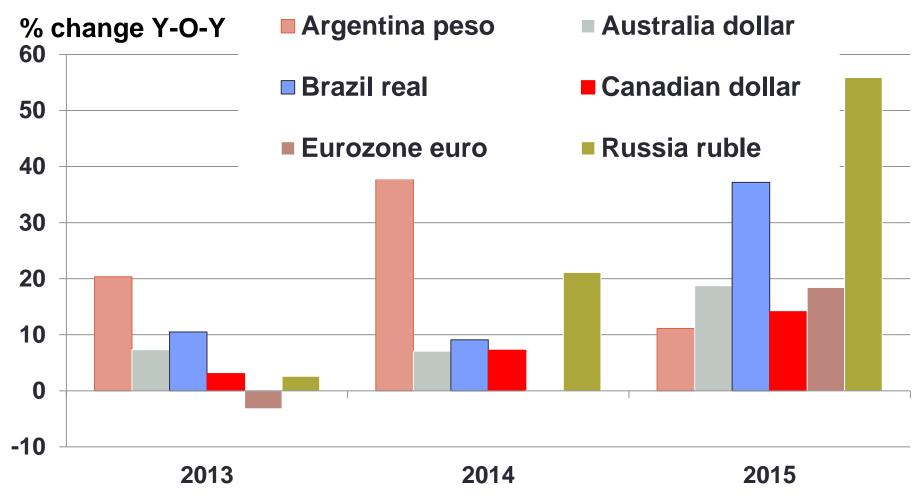
Data: USDA-OCE.

Dollar has appreciated against currencies of its customers, especially in 2015



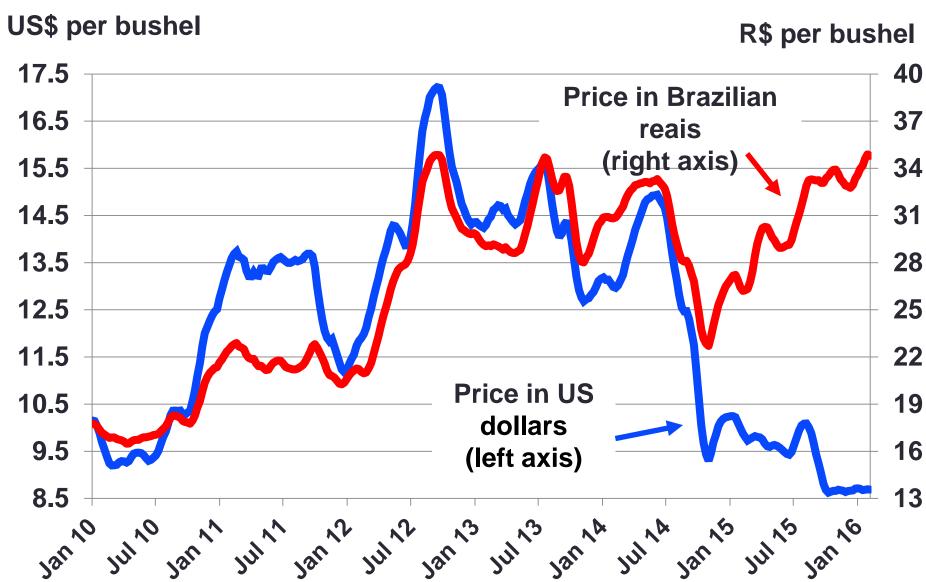
Source: Eikon/Datastream. Positive change indicates U.S. dollar appreciation.

Dollar has appreciated against competitor currencies, especially in 2014 and 2015



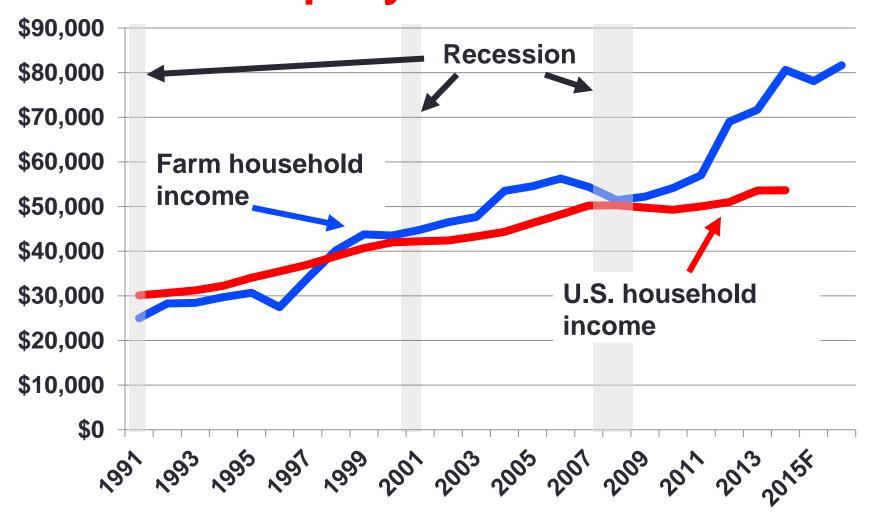
Source: Eikon/Datastream. Positive change indicates U.S. dollar appreciation.

The price of soybeans in dollars and reais



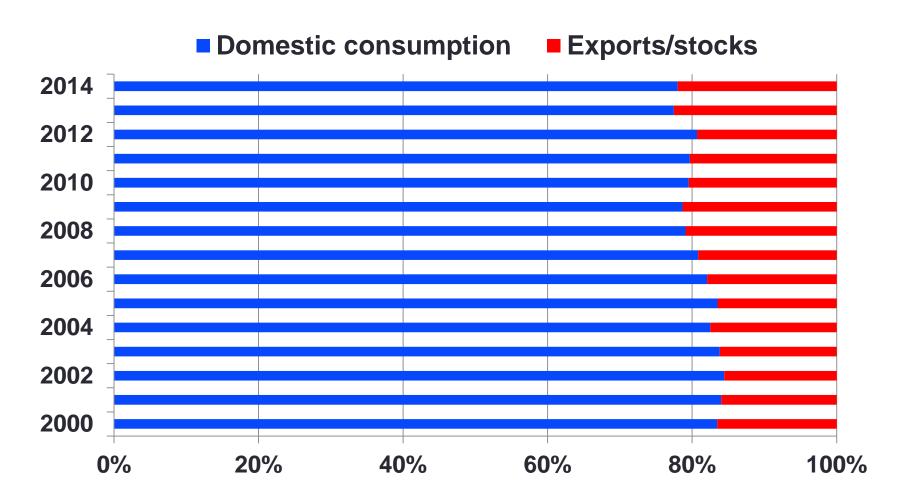
Source: USDA –AMS.

Median household income growth rises more rapidly for farm households



Data: USDA-ERS.

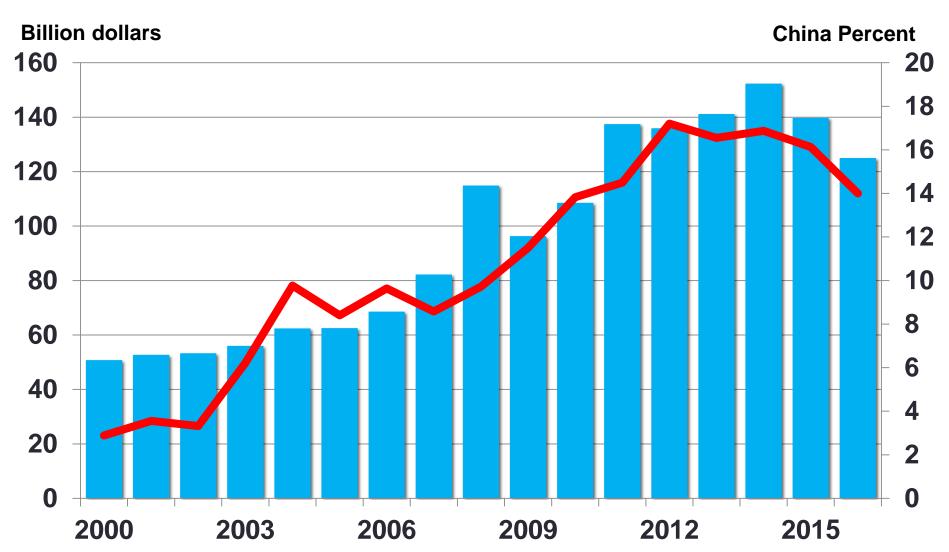
Domestic consumption of agricultural products



Source: OECD Producer and Consumer Support Estimates database, using USDA production and consumption data.

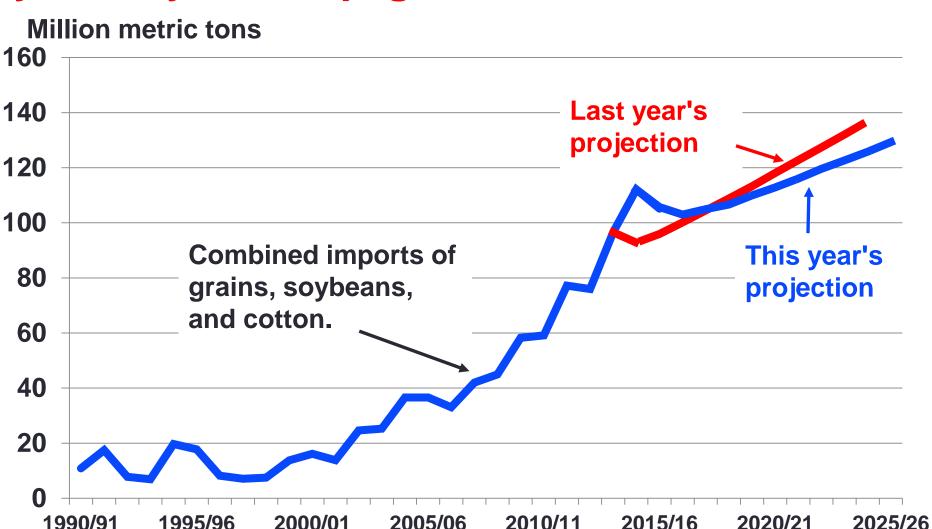


Decline in agricultural exports expected in 2016 --- China share falls in value

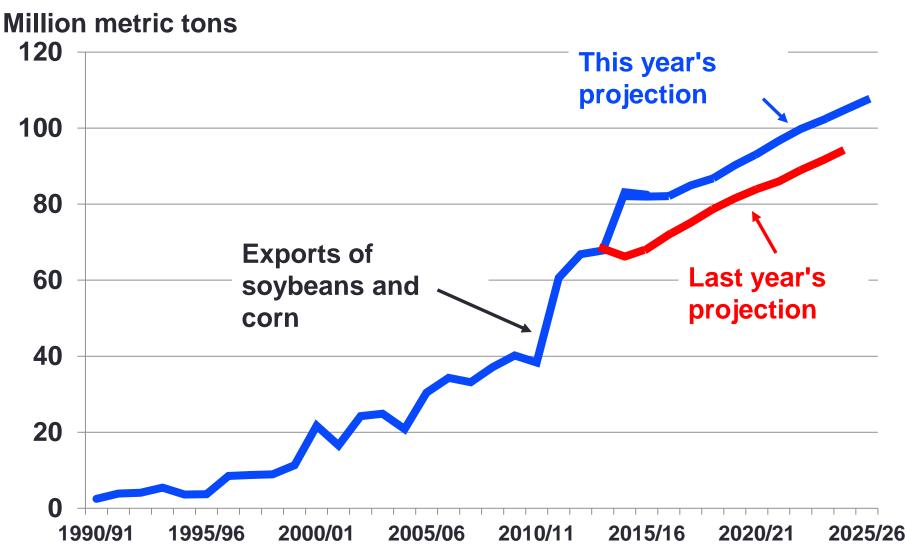


Source: USDA. Data are fiscal year.

China imports to rise, but more slowly than last year: soybeans up, grains down, cotton down

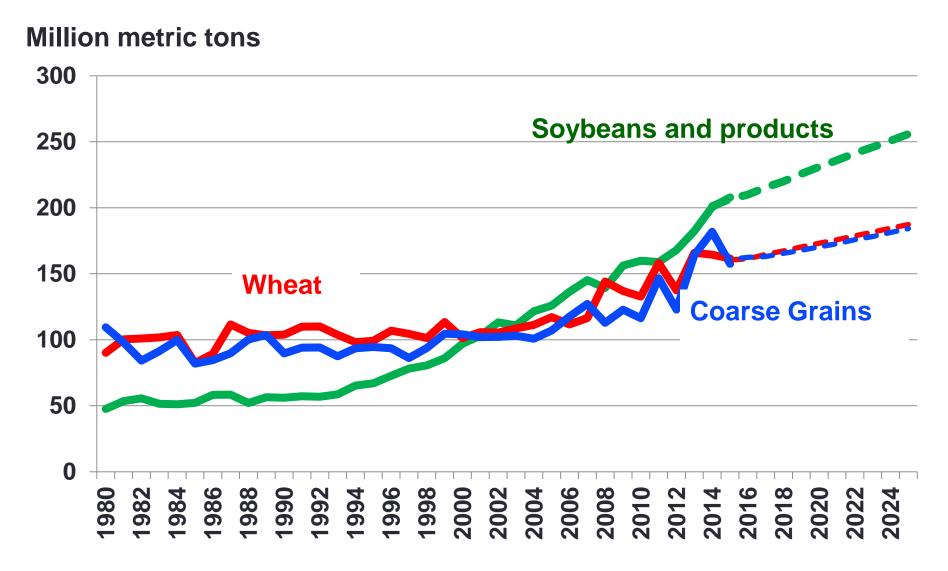


Projections for Brazil's exports for corn and soybeans both increase from last year



Global trade growth is expected to continue





Expanding U.S. ag exports through FTAs

*TPP partners include Australia, Brunei, Canada, Chile, Japan, Malaysia, Mexico, New Zealand. Peru, Singapore, and

Vietnam.

Exports \$133 billion Imports \$113.5 billion Total \$246.5 billion U.S. Ag Trade **U.S exports** \$57.2 billion **U.S.** imports \$58.1 billion

TPP* Ag Trade

Total TPP-11 trade
\$403 billion

*TTIP partner is EU-28.

U.S. exports \$12.1 billion U.S. imports \$20 billion

TTIP* Ag Trade

Total EU trade \$291 billion

Source: USDA, European Commission. CY2014/2015 trade data.

USDA

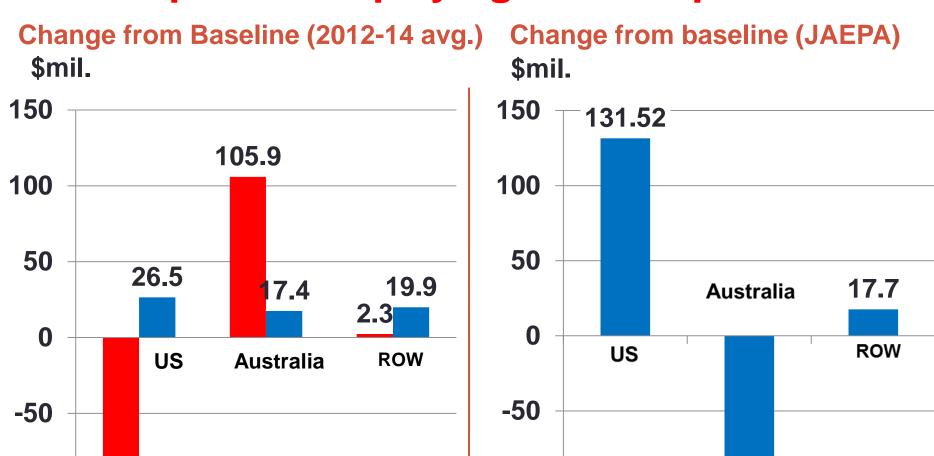
-100

-150

-105.1

JAEPA

FTAs help level the playing field – Japan beef



-100

-150

Equal Access

Source: USDA-ERS.

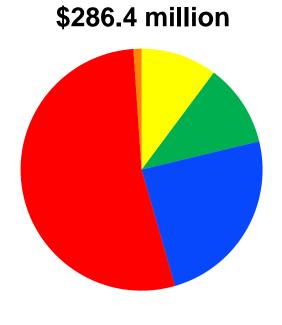
-88.5

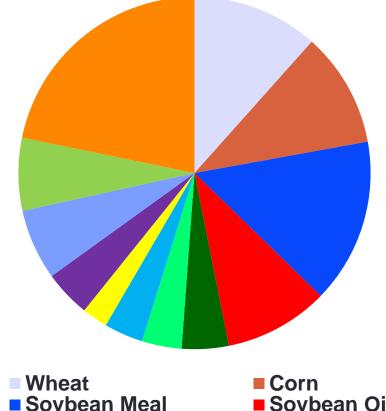
U.S. Ag Exports, 2014

Cuba

Dominican Republic







CornSoybean Meal

Poultry

Soybeans

Other
Data:

Data: USDA.

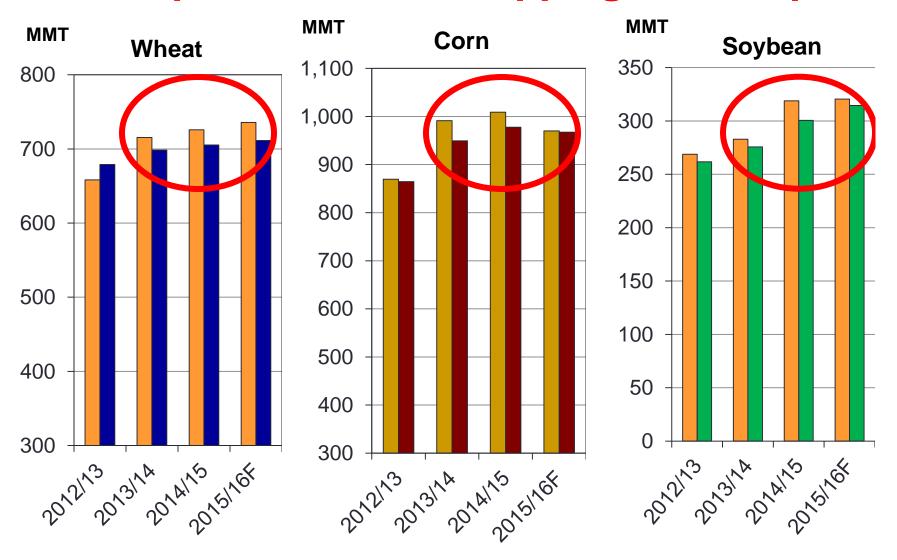
Soybean MealBeefPoultryCondiments

Eggs

Soybean OilPorkDairyTobaccoOther

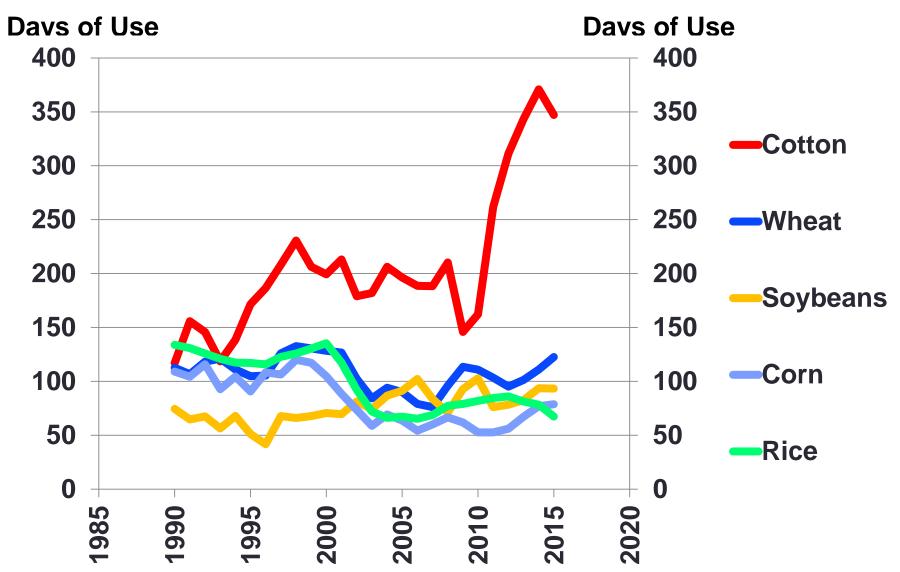


Global production outstripping consumption



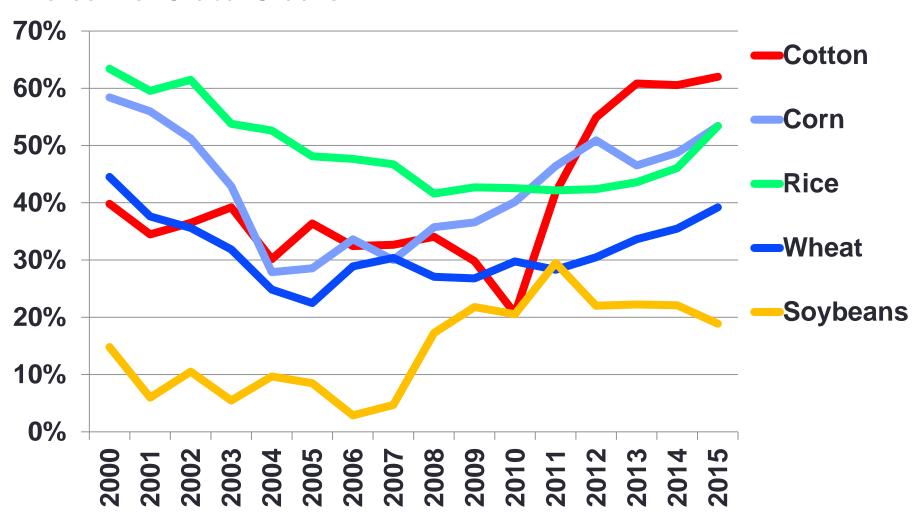
Source: USDA-OCE.

Global ending stocks edge up



China policies build stocks

Percent of Global Stocks



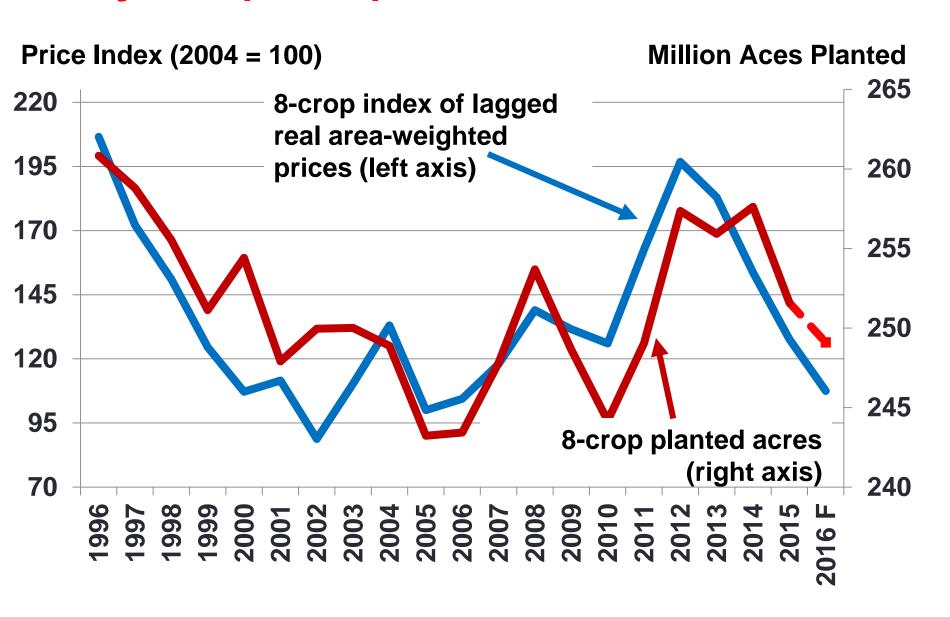
Source: USDA, PSD database

Corn, wheat, and soybean prices soften, but still above 2000-2003 average

Crop	Ave 2000- 03	2011	2012	2013	2014	2015F	2016F
Wheat	3.1	7.2	7.8	6.9	6.0	5.0	4.20
Corn	2.1	6.2	6.9	4.5	3.7	3.6	3.45
Soybeans Upland	5.5	12.5	14.4	13.0	10.1	8.8	8.50
Cotton	46.5	88.3	72.5	77.9	61.3	59.5	58.0
All Rice	5.6	14.5	15.1	16.3	13.3	12.9	12.90

Source: USDA-NASS, OCE.

Last year's prices point towards a fall in area

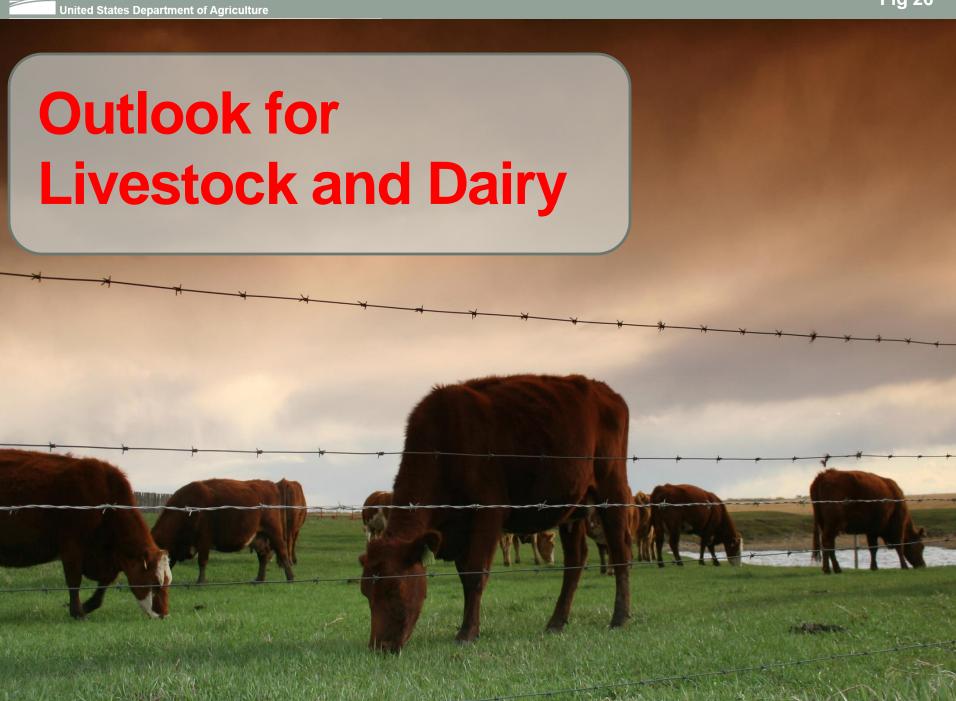


Cropland area expected to remain high in 2016, but down again from last year

Crop (mil.							%
Acres)	2011	2012	2013	2014	2015	2016F	change
Corn	91.9	97.3	95.4	90.6	88.0	90.0	2.3%
Soybeans	75.0	77.2	76.8	83.3	82.7	82.5	-0.2%
Wheat	54.3	55.3	56.2	56.8	54.6	51.0	-6.7%
All cotton	14.7	12.3	10.4	11.0	8.6	9.4	9.6%
M. feedgrains	10.4	12.6	14.6	12.9	15.1	13.4	9.1%
Rice	2.7	2.7	2.5	3.0	2.6	2.8	7.1%
Total 8 crops	249.0	257.4	255.9	257.6	251.6	249.1	-1.0%
CRP	31.1	29.5	26.8	25.5	24.2	23.7	-2.1%
8 crops + CRP	280.2	286.9	282.8	283.2	275.8	272.8	-1.1%

Source: USDA-OCE.

¹All cotton, includes both upland and ELS cotton

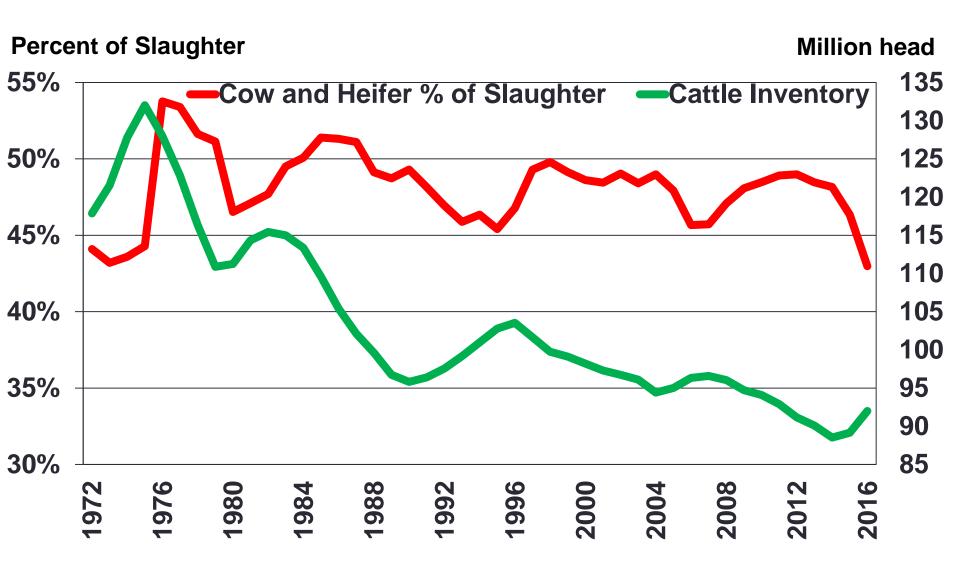


Beef, pork, and poultry production higher in 2016

Animal products	2011	2012	2013	2014	2015	2016F	% change	
Billion Pounds								
Beef	26.2	25.9	25.7	24.3	23.7	24.6	3.8	
Pork	22.8	23.3	23.2	22.8	24.5	25.0	2.2	
Broilers	37.2	37.0	37.8	38.6	40.0	41.0	2.5	
Total	92.8	93.0	93.3	92.2	94.6	97.4	2.9	
Billion Pounds								
Milk	196.3	200.6	201.2	206.0	208.5	211.9	1.6	

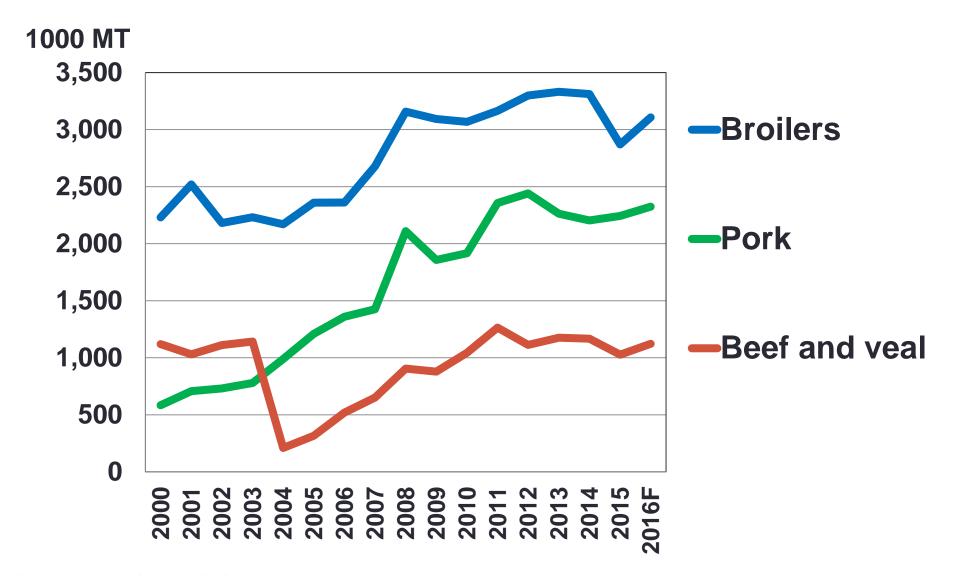
Data in red denote record levels.

Herd rebuilding continues



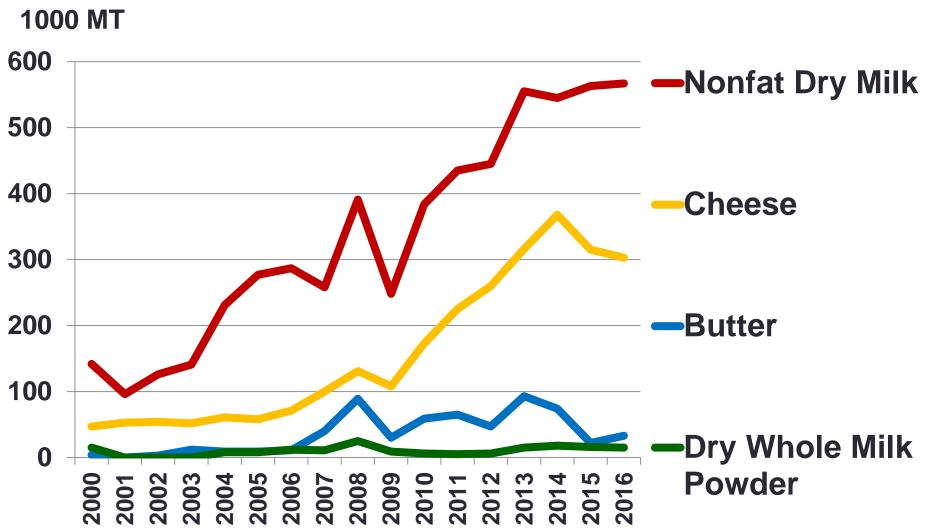
Source: USDA-NASS.

Meat exports expected to increase

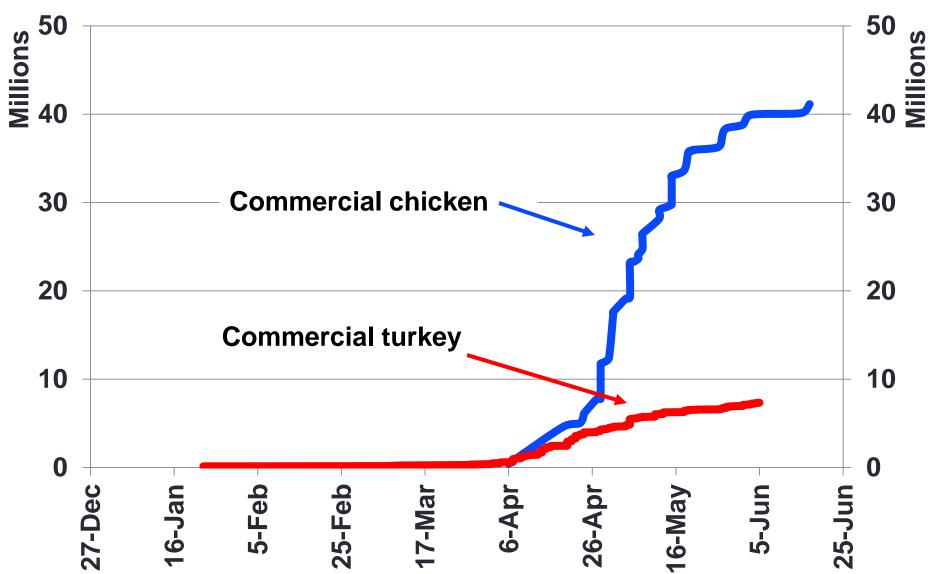


Source: USDA-OCE.

Dairy exports reflect continued demand weakness and large global supplies



HPAI mortality approached 50 million birds



Source: USDA-APHIS

Cattle, Hog, dairy, and broiler prices expected to come down from 2015

Animal products	2011	2012	2013	2014	2015	2016F	% change
	Dollars per cwt						
Steers	114.7	122.9	125.9	154.6	148.1	137.3	-7.3
Hogs	66.1	60.9	64.1	76.0	50.2	47.3	-5.9
Broilers	79.9	86.6	99.7	104.9	90.5	87.5	-3.3
Milk	20.1	18.5	20.1	24.0	17.1	15.7	-8.4

Source: USDA-OCE.

Prices in red denote record levels.

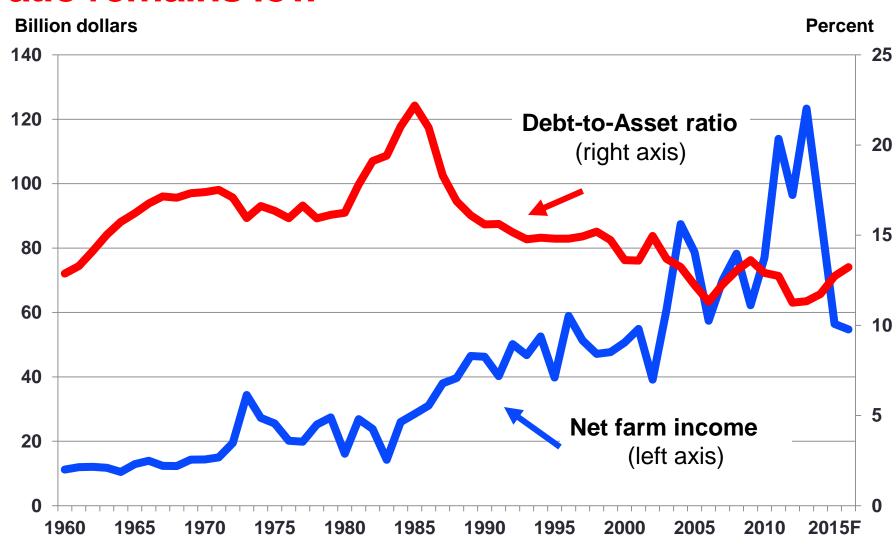


Outlook for the Farm Sector



http://www.hoosieragtoday.com/indiana-cash-rent-up-3-per-acre-in-2014/

Net farm income is down, but debt-to-asset ratio remains low



Data: USDA-ERS.

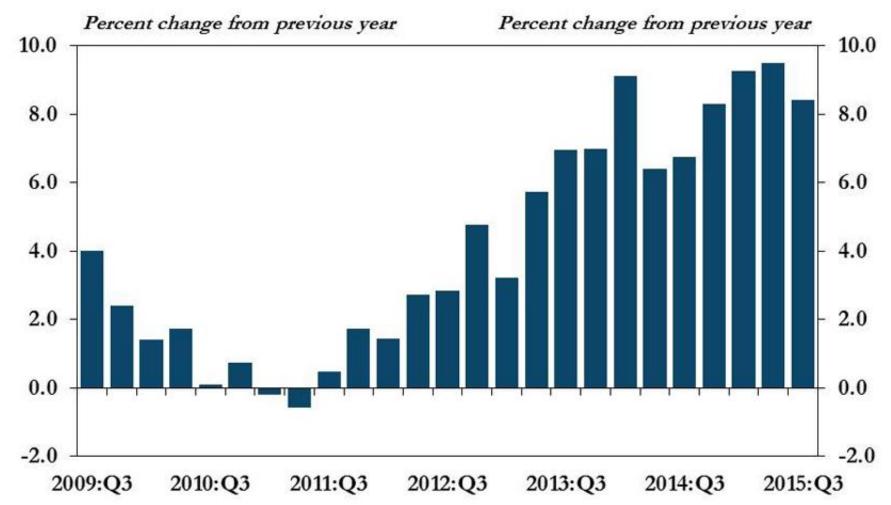
Illinois case shows crop budgets tightening

	Corn After	Soybeans
	Soybeans	After Corn
Fertilizers and pesticides	\$190.00	\$75.00
Seed	\$122.00	\$76.00
Crop insurance and other direct costs	\$55.00	\$23.00
Machinery and power	\$124.00	\$113.00
Total non-land costs	\$558.00	\$348.00
Yield	201.00	58.00
Price	\$3.45	\$8.50
ARC-CO	\$30.00	\$30.00
Crop Revenue	\$723.45	\$523.00
Revenue to cover rent and salary	\$165.45	\$175.00
Cash Rent for Illinois	\$228	\$228

Source: USDA-NASS, Univ. of Illinois.

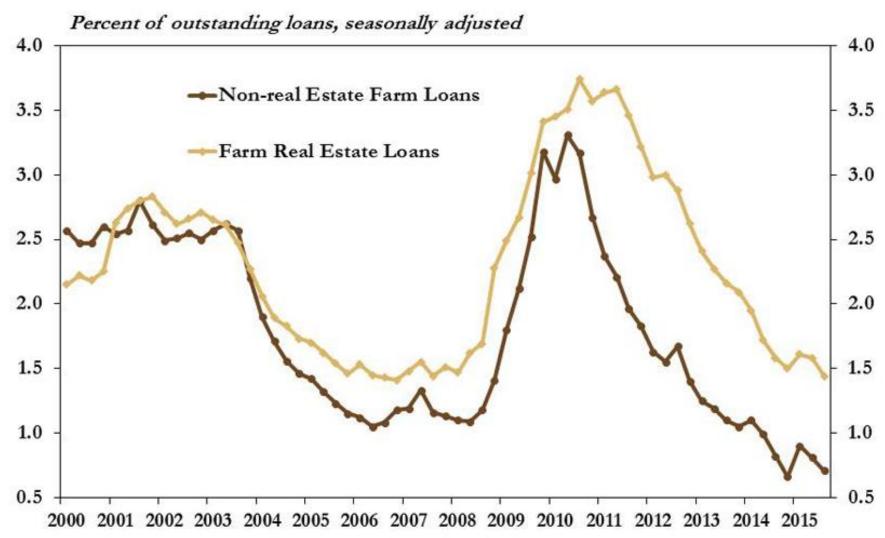
USDA

Farm debt continues to increase at commercial banks



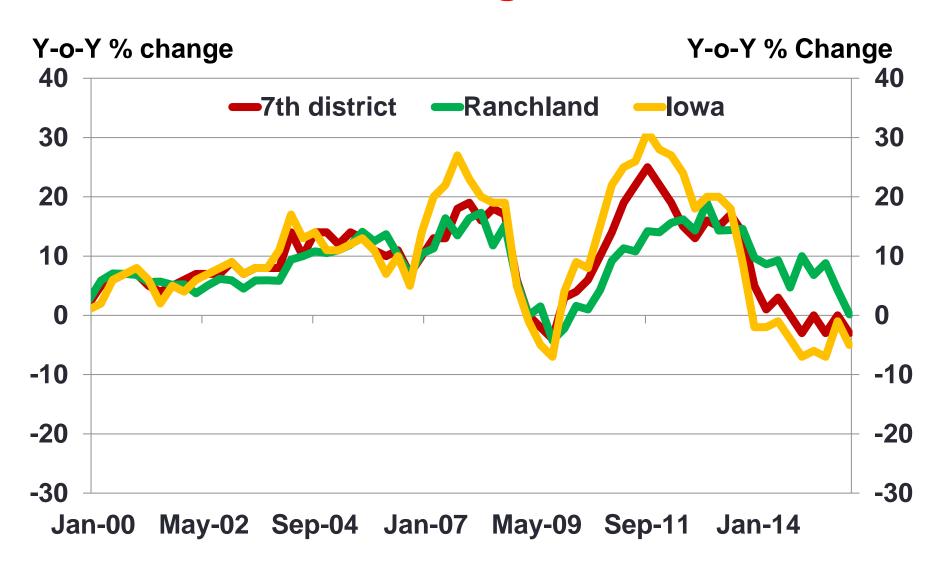
Source: Kauffman, Cowley, and Clark (2016) Data: Federal Reserve Board of Governors.

Delinquency rates on farm loans fall



Source: Kauffman, Cowley, and Clark (2016) Data: Federal Reserve Board of Governors.

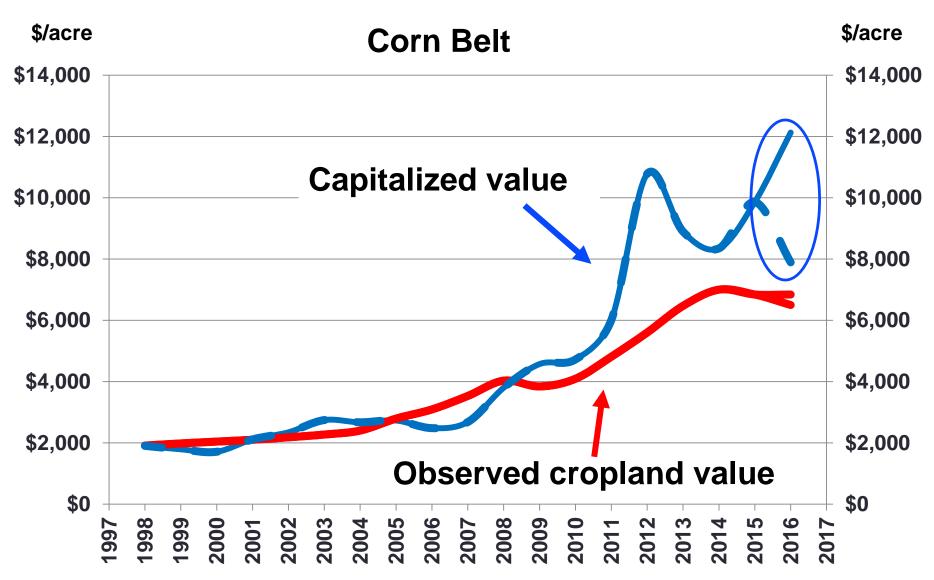
Land values flatten, falling in some areas



Data: 7th district and Iowa, Chicago Federal Reserve; and Ranchland, K.C. Federal Reserve

USDA

Capitalized land value still far above actuals



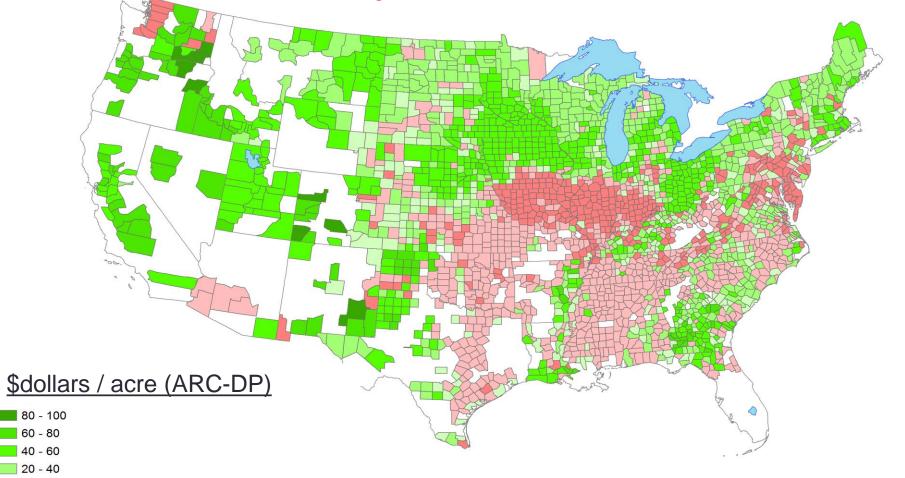
Data: USDA-NASS, St. Louis Fed.

United States Department of Agriculture

0 - 20 -20 - 0 -40 - -20

-60 - -40

ARC-CO 2014 payment rates for corn minus 2008 Direct Payment rates reflect effects of yield variations on revenue



Source: USDA-FSA.

Crop insurance continues to play a critical role in farmers' risk management plans

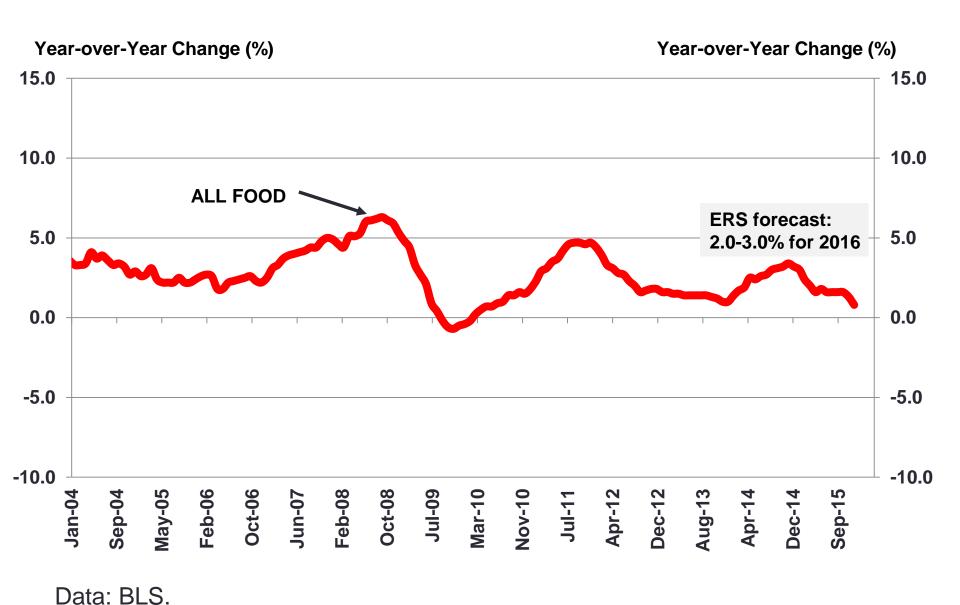
2015	Percent of Planted Acres				
Crop	CAT	Buy-Up	AII		
Corn	3%	83%	86%		
Soybeans	3%	84%	87%		
Wheat	4%	80%	84%		
Cotton	6%	88%	94%		
Rice	17%	65%	82%		
Potatoes	42%	34%	76%		
Grain Sorghum	4%	70%	74%		
Peanuts	9%	82%	91%		
Barley	6%	66%	72%		

Source: RMA

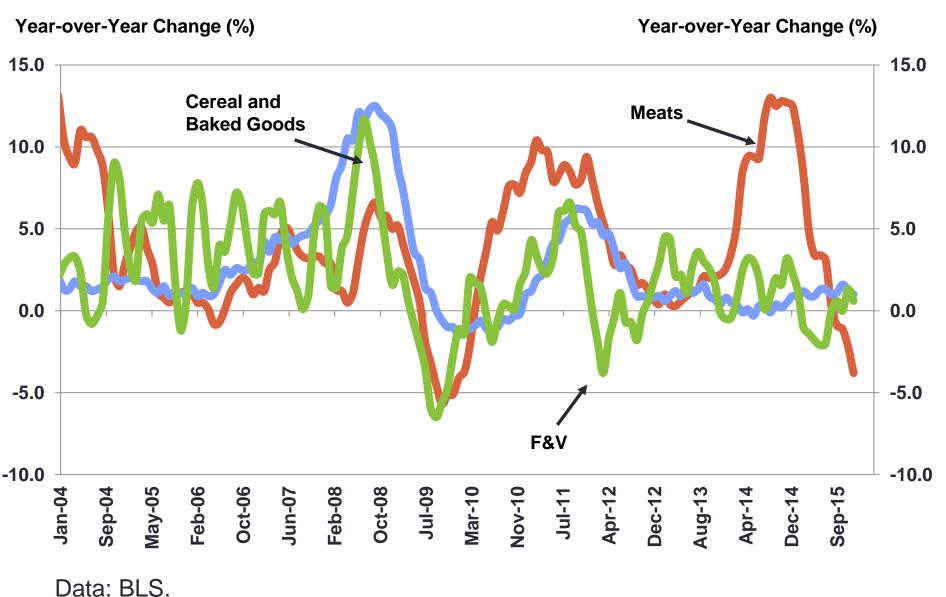




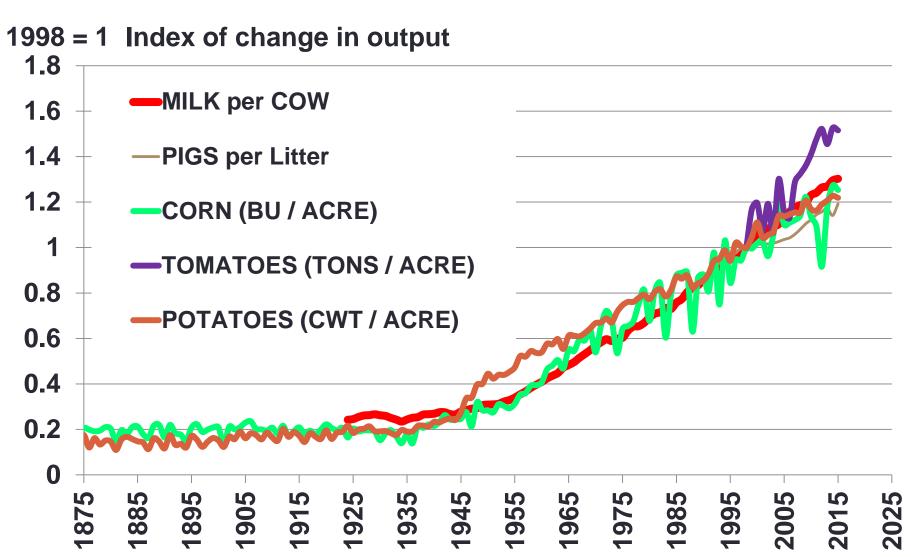
Food CPI remains low



Meat price inflation falls 15 points y-o-y



Productivity growth continues long rise



Data: USDA-NASS.