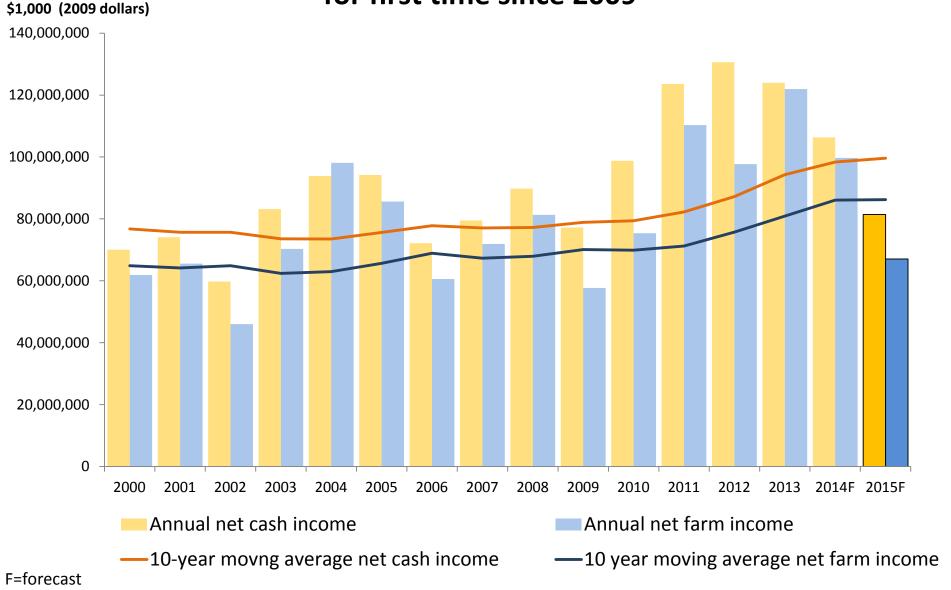
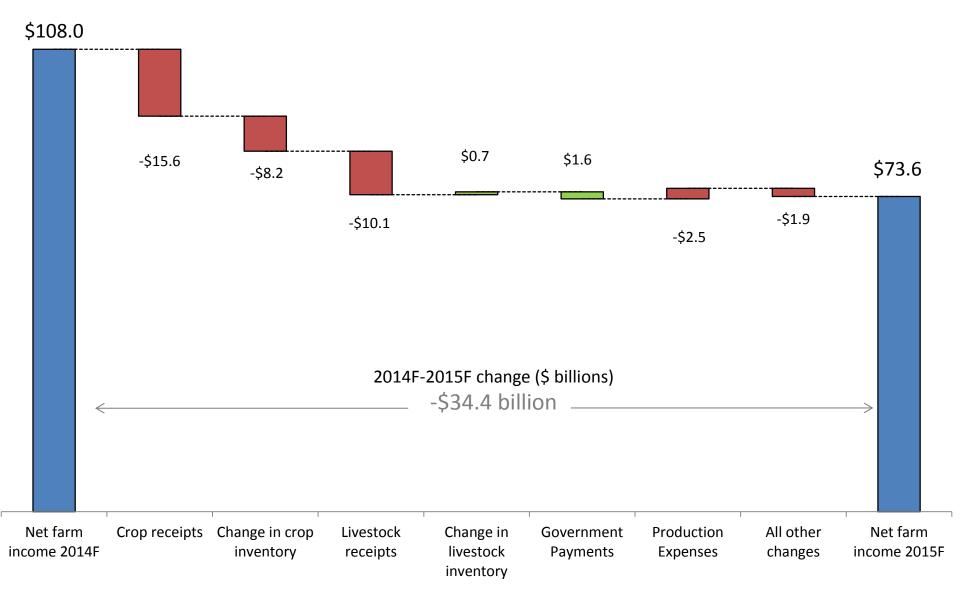


By Ryan Kuhns and Kevin Patrick Economics Research Service, USDA Net cash and net farm income forecast below 10-year moving average for first time since 2009

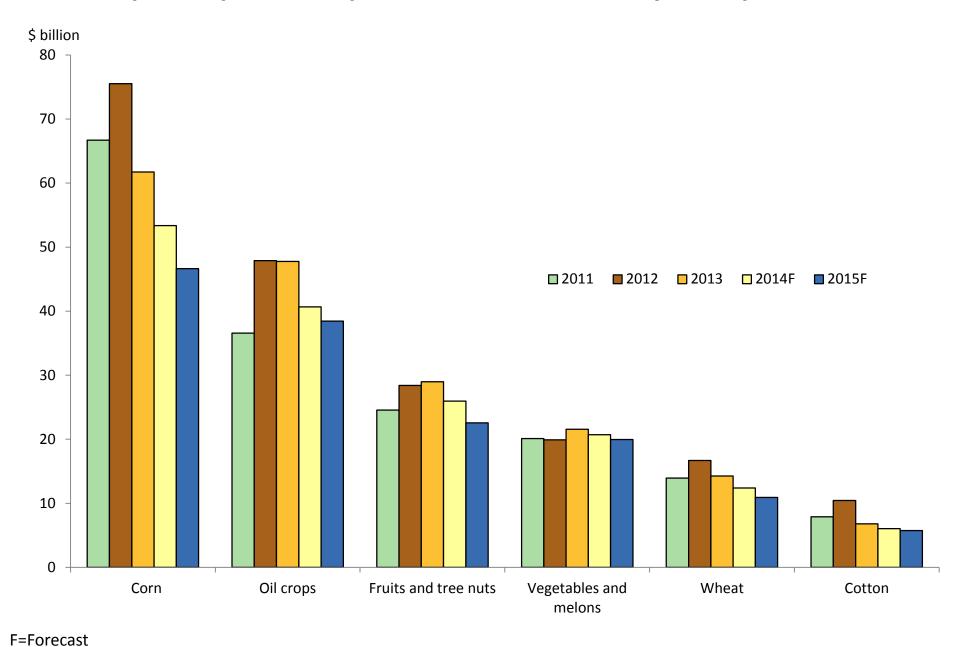


The GDP chain-type price index used to convert the current-dollar statistics to real (inflation adjusted) amounts (2009=100) Source: USDA, Economic Research Service, Farm Income and Wealth Statistics. Data as of February 10, 2015.

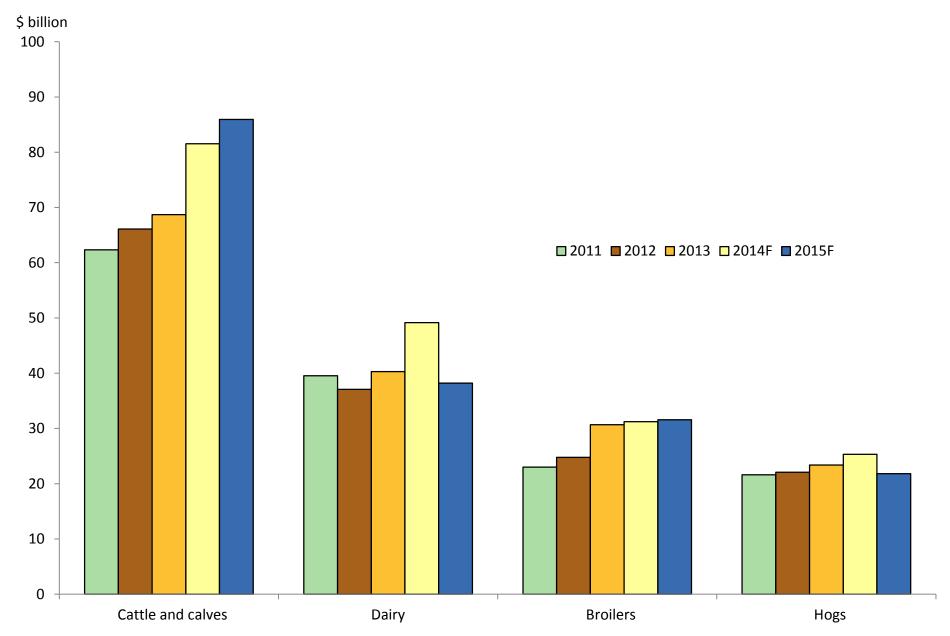
Crop and livestock receipt forecasts driving major changes to net farm income from 2014F to 2015F



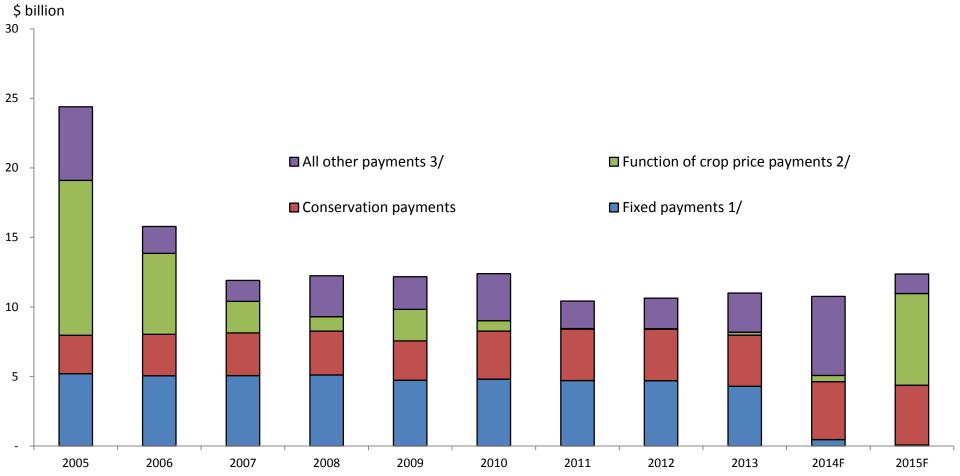
Crop receipts are expected to fall for all major crops in 2015



Total livestock and products receipts are forecast down 5 percent in 2015



Government payments to farm producers, 2005-2015F

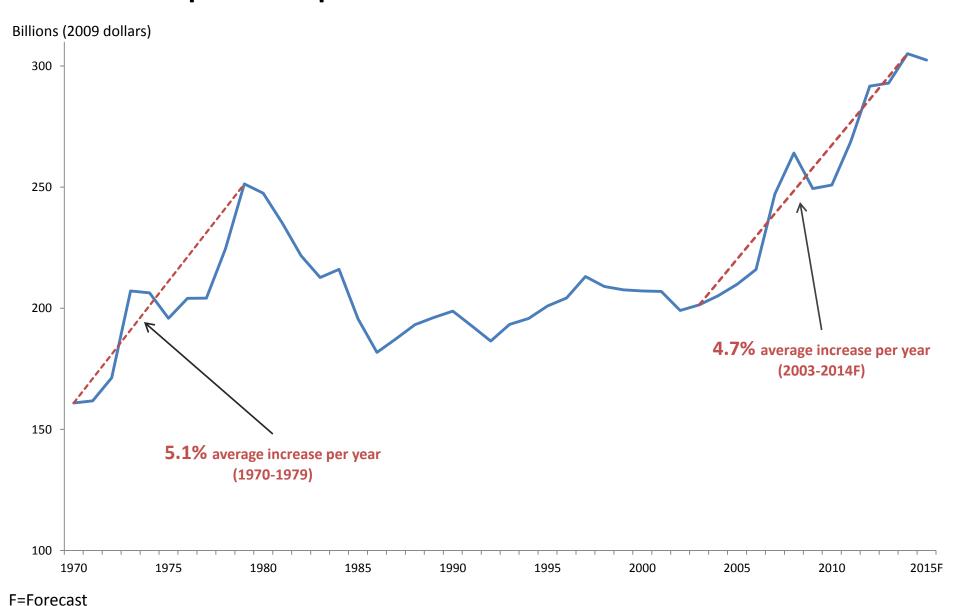


- 1/ Includes direct payments (through 2013), cotton transition payments (2013-2014). Payment rates are fixed by legislation.
- 2/ Includes counter-cyclical payments, average crop revenue election (ACRE) payments, loan deficiency payments, marketing loan gains, certificate exchange gains (ended after making payments for 2009 crop year), Price Loss Coverage(PLC), and Agricultural Risk Coverage (ARC).
- 3/ All other payments include disaster relief payments, tobacco transition payments, and dairy program payments.

F=Forecast

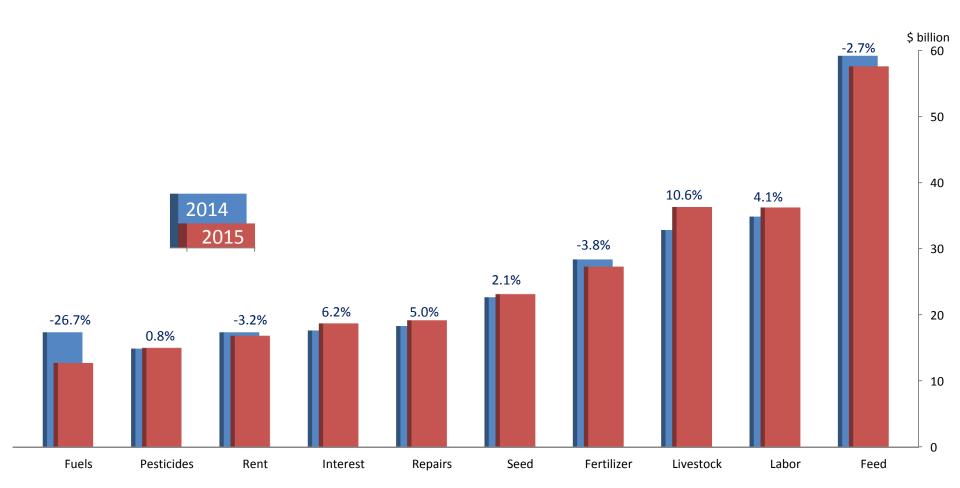
Source: USDA, Economic Research Service, Farm Income and Wealth Statistics using FSA, NRCS and CCC input data. Data as of February 10, 2015.

Real cash expenses expected to decline for the first time since 2009

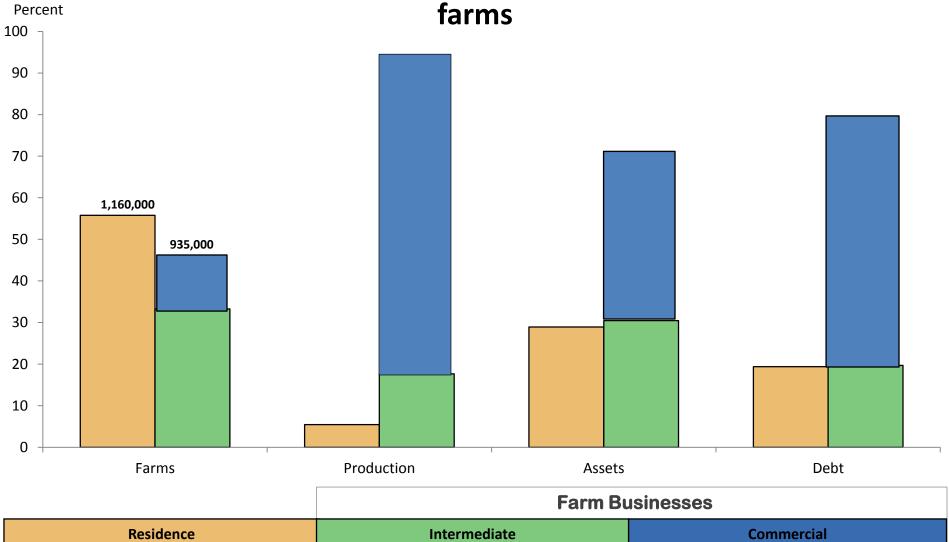


The GDP chain-type price index is used to convert current-dollar amounts to real (inflation adjusted) amounts (2009 = 100). Source: USDA, Economic Research Service, Farm Income and Wealth Statistics. Data as of February 10, 2015.

Despite lower fuel costs, production expenses forecast to rise 2.5 billion



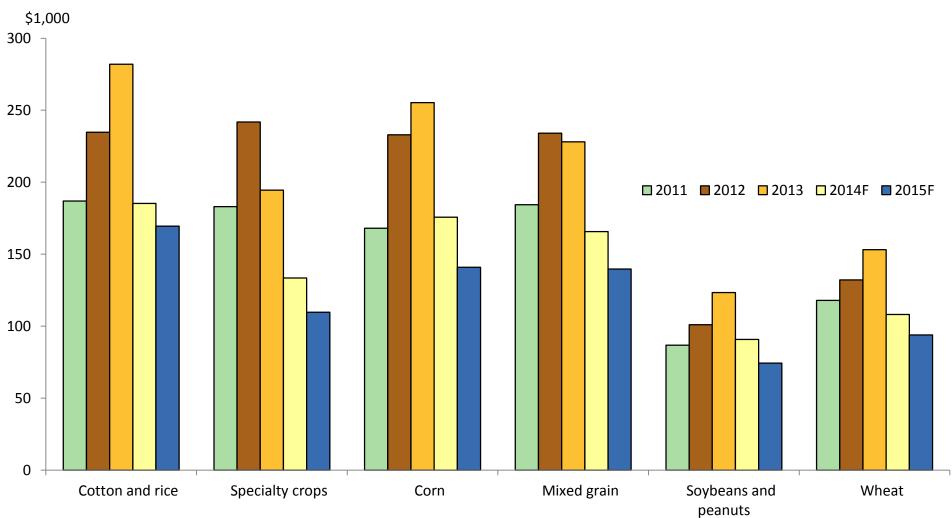
Farm Businesses Account for over 90% of farm production and 930,000



	Farm Businesses	
Residence	Intermediate	Commercial
Operators report they are retired or have a major occupation other than farming.	Gross cash farm income less than \$350,000 and operators report farming as their major occupation.	Gross cash farm income greater than \$350,000 and farms organized as nonfamily corporations or cooperatives.

Source: 2013 Agricultural Resource Management Survey (ARMS)

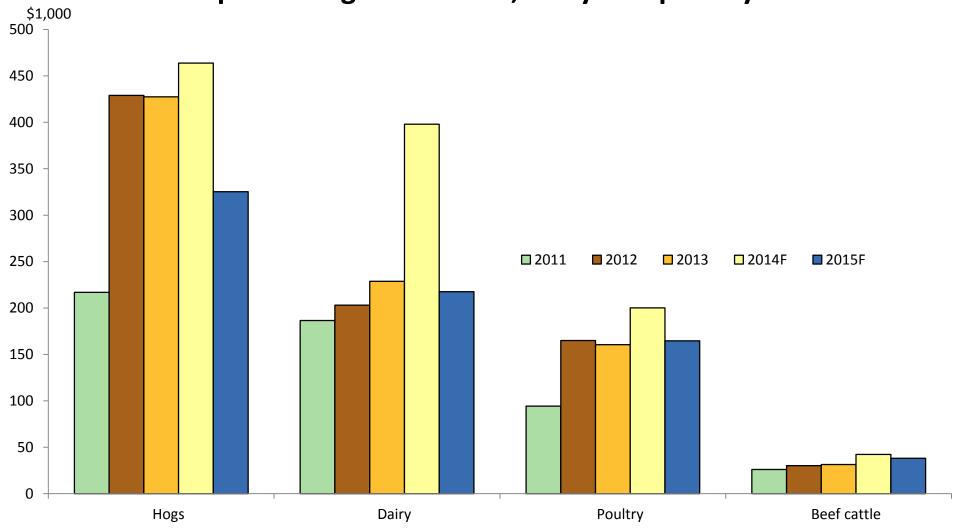
Average net cash income forecast lower for farm businesses¹ specializing in crop production



¹ Farm level forecasts derived from partial budget modeling on the 2013 Agricultural Resource Management Survey (ARMS) using the sector forecasts. The model is static and therefore does not account for changes in crop rotation, weather, and other local production impacts that occurred after the base year.

F = forecast

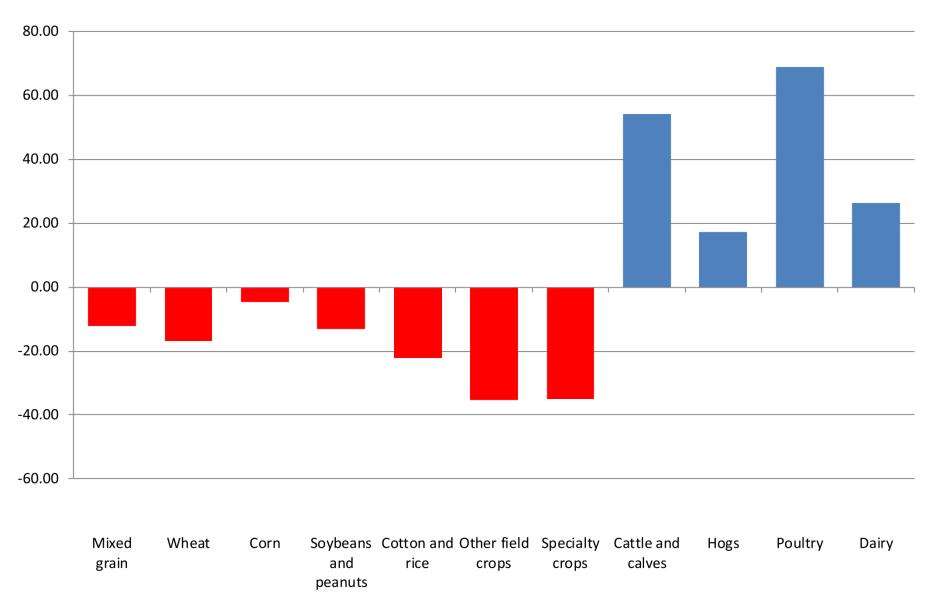
Average net cash income also forecast to fall for farm businesses¹ specializing in livestock, dairy and poultry



¹ Farm level forecasts derived from partial budget modeling on the 2013 Agricultural Resource Management Survey (ARMS) using the sector forecasts. The model is static and therefore does not account for changes in crop rotation, weather, and other local production impacts that occurred after the base year.

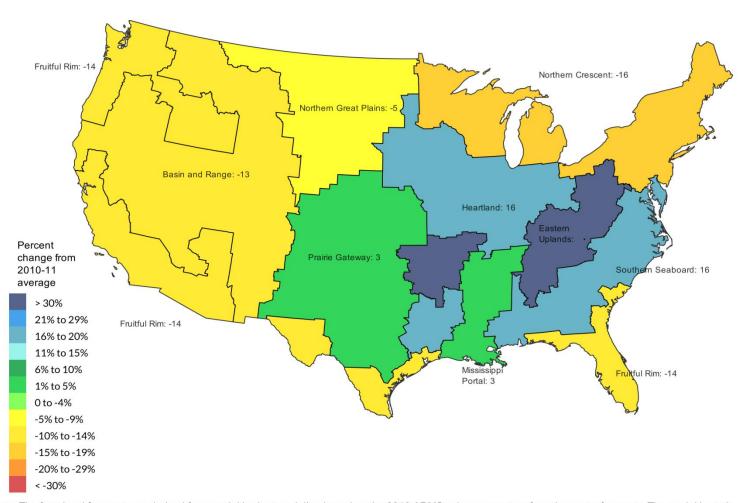
F = forecast

2015 average farm business net cash income forecast compared with 2010-11 average



Note: Commodity specialization is determined by the crop or livestock item that accounts for 50 percent or more of the total value of farm production.

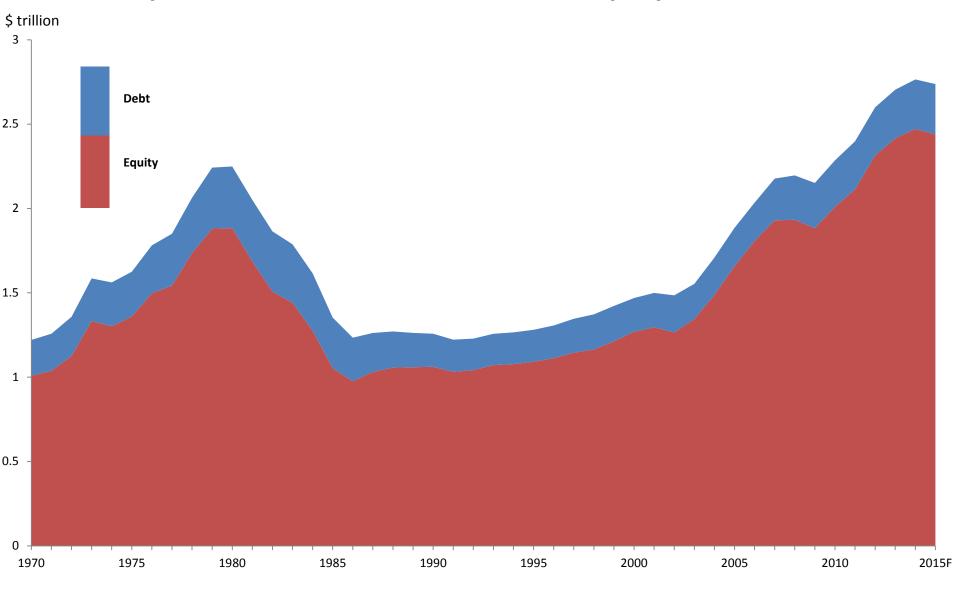
2015 average farm business net cash income forecast compared with 2010-11 average



Note: The farm level forecasts are derived from partial budget modeling based on the 2013 ARMS using parameters from the sector forecasts. The model is static and therefore does not account for changes in crop rotation, weather, and other local production impacts that occurred after the base year. Farm businesses are defined as commercial (gross cash farm income greater than \$350,000) and intermediate (primary occupation of farming and gross cash farm income below \$350,000) farms; including non-family farms.



First expected decline in real¹ asset and equity values since 2009

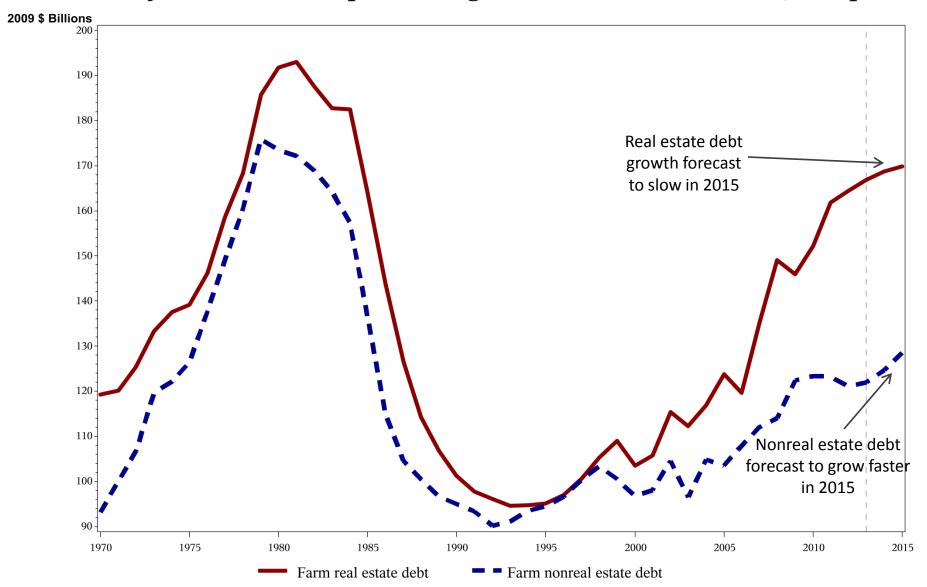


F=Forecast

¹The GDP chain-type price index is used to convert current-dollar amounts to real (inflation adjusted) amounts (2009 = 100).

Source: USDA, Economic Research Service, Farm Income and Wealth Statistics. Data as of February 10, 2015.

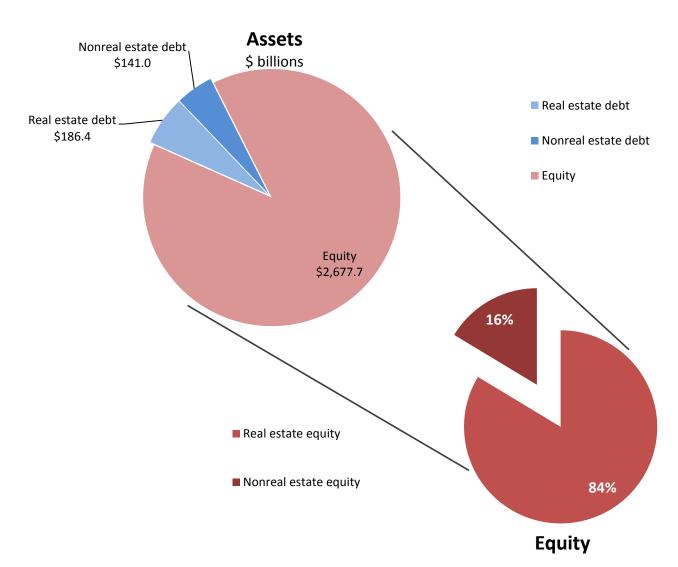
Inflation adjusted debt is expected to grow but remains below 1980s peak



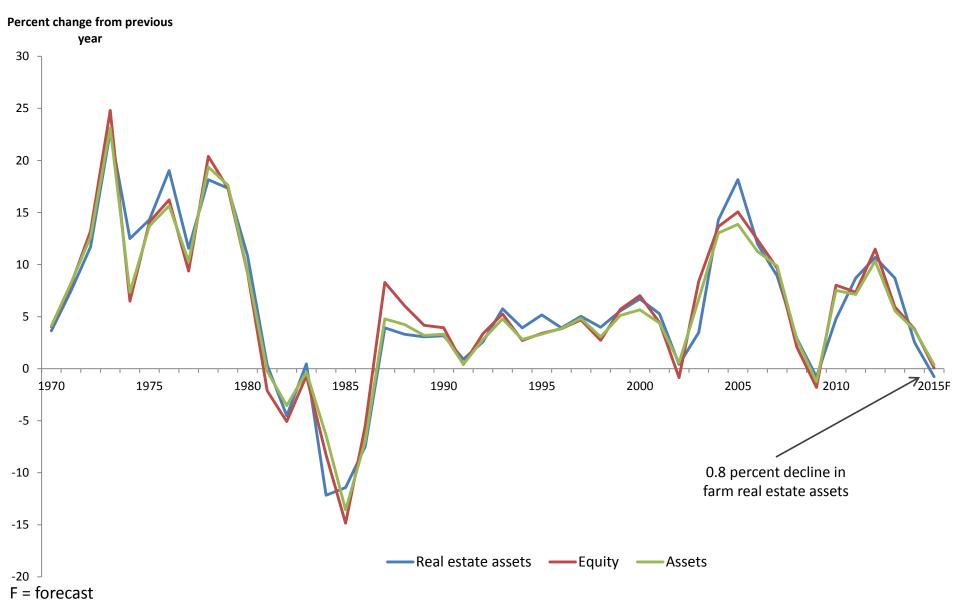
2014 and 2015 data are forecasts

Note: Adjusted for inflation using the BEA chain-type implicit GDP deflator. Source: USDA, Economic Research Service, Farm Income and Wealth Statistics.

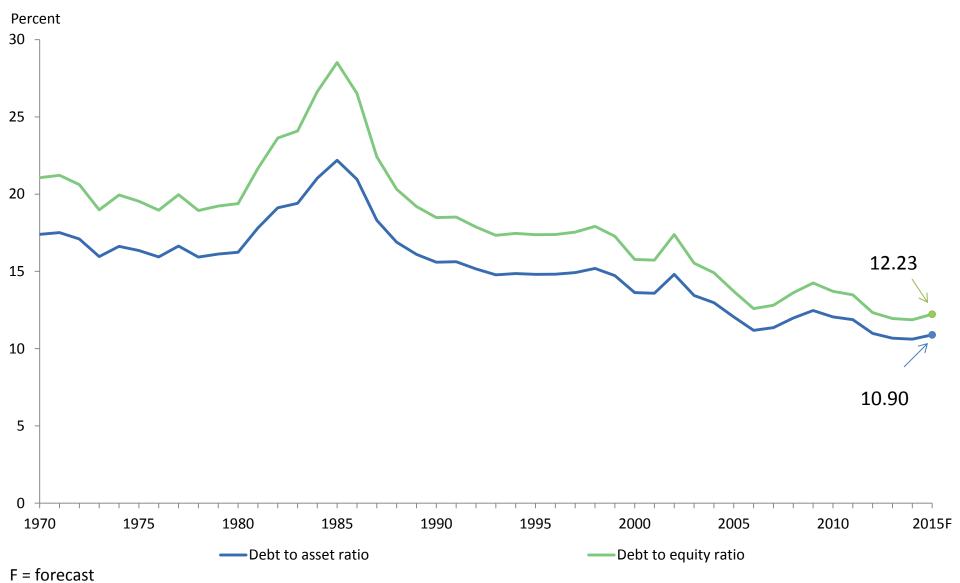
Farm real estate accounts for the majority of the sector's assets and equity



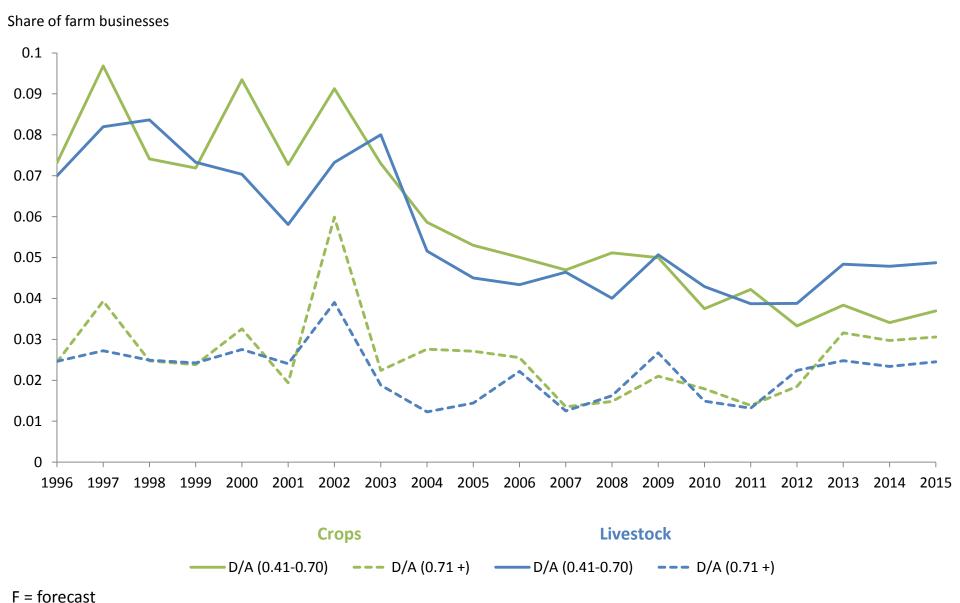
An expected small decline in farm real estate values leads to slower asset and equity growth



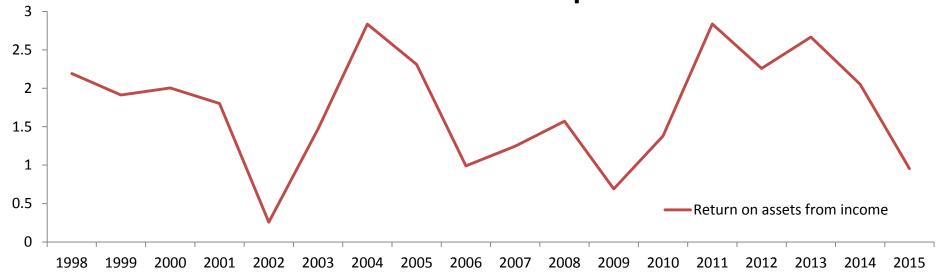
Sector leverage remains historically low despite debt being forecast to grow faster than assets in 2015



Share of highly leveraged farm businesses forecast to increase in 2015F



The rate of return on farm assets expected to fall in 2015



Decomposing the rate of return on farm assets (ROA)

ROA = Asset Turnover Ratio * Profit Margin Ratio

Value of production that assets generate

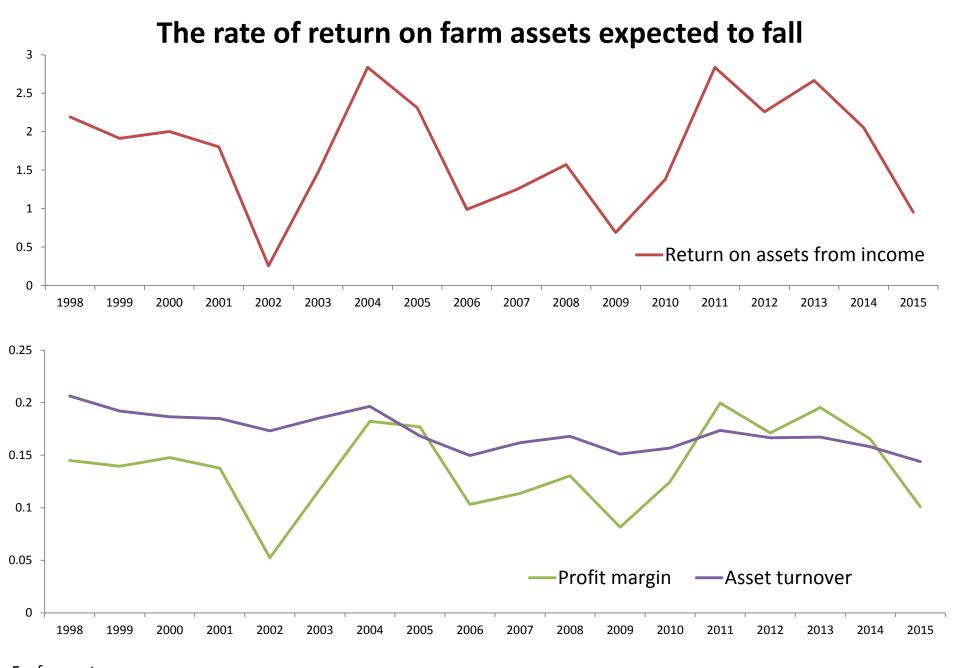
Profit margin on value of production

F = forecast

Source: USDA, Economic Research Service, Farm Income and Wealth Statistics. Data as of February 10, 2015.

Sector financial ratio documentation:

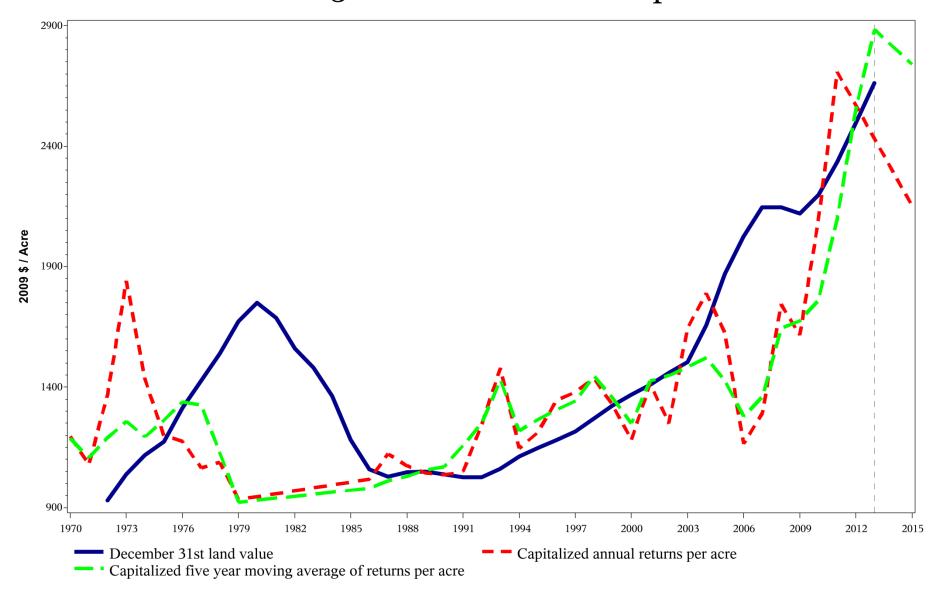
http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios.aspx



F = forecast Source: USDA, Economic Research Service, Farm Income and Wealth Statistics. Data as of February 10, 2015.

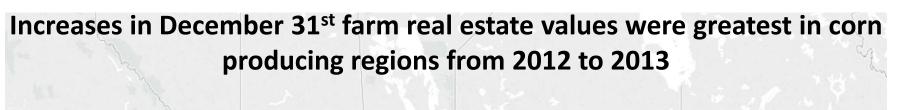


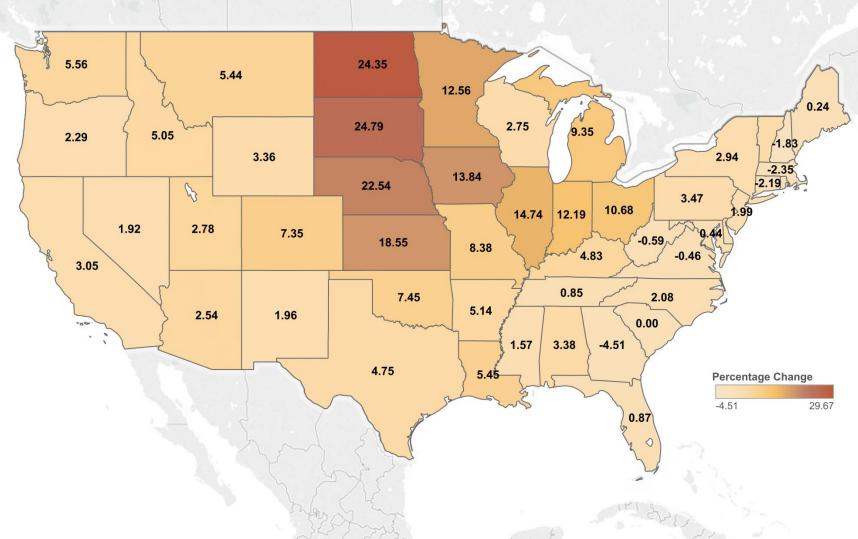
National December 31st land values and capitalized returns



2014 and 2015 data are forecasts

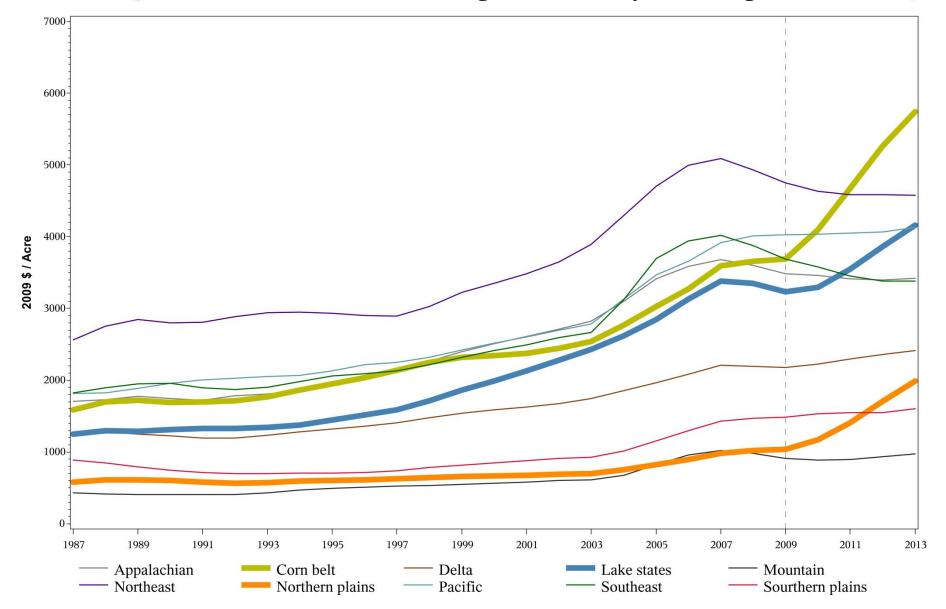
Note: Returns per acre are calculated as net cash income plus rental and real estate interest expenses.





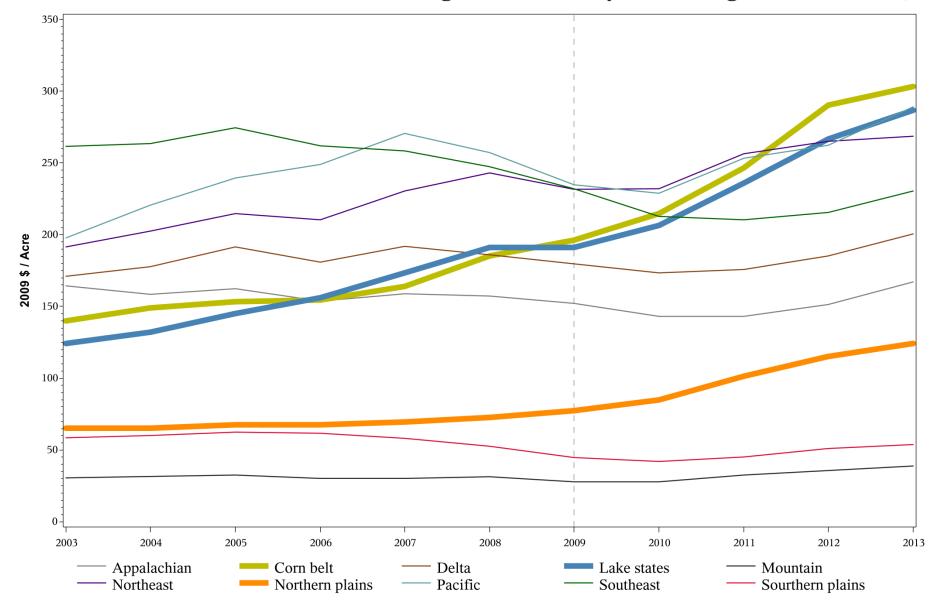
Charts and Maps of U.S. Farm Balance Sheet Data: http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/charts-and-maps-of-us-farm-balance-sheet-data.aspx

December 31st farm real estate values have grown unevenly across regions since 2009



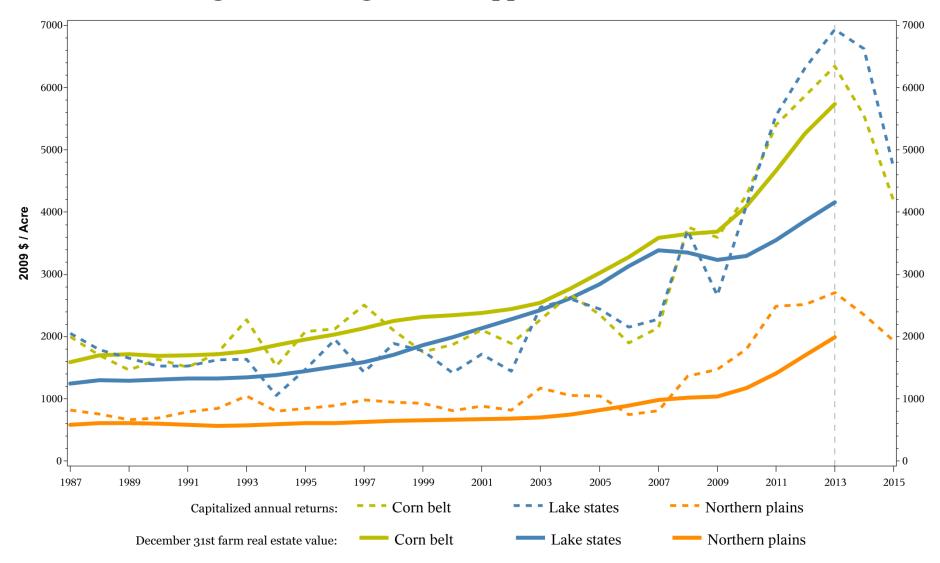
Note: Farm real estate includes land and buildings.

Returns to farm real estate have also grown unevenly across regions since 2009



Note: Returns per acre are calculated as net cash income plus rental and real estate interest expenses. Source: USDA, Economic Research Service, Farm Income and Wealth Statistics.

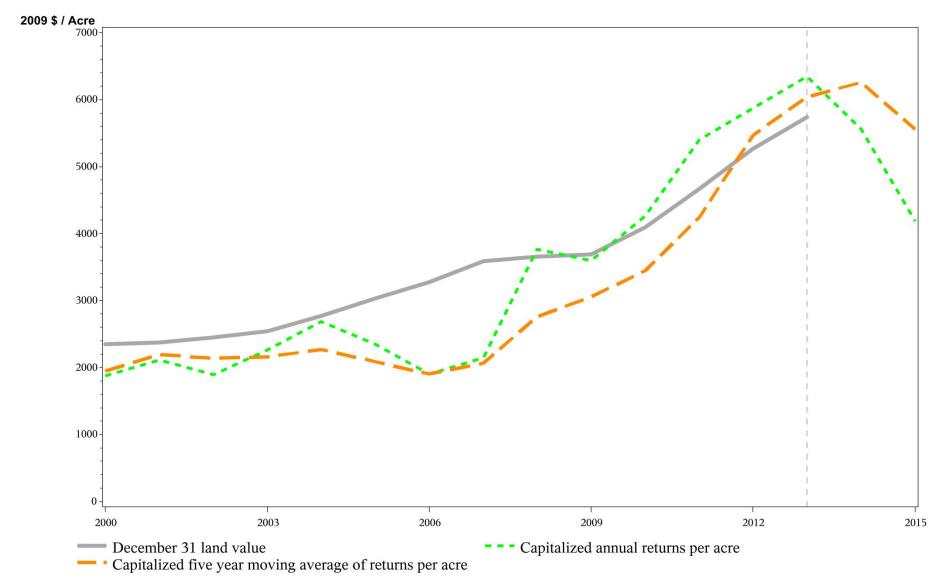
December 31st farm real estate values and returns Regions with highest real appreciation since 2009



2014 and 2015 data forecast using partial budget model

Note: Returns per acre are calculated as net cash income plus rental and real estate interest expenses.

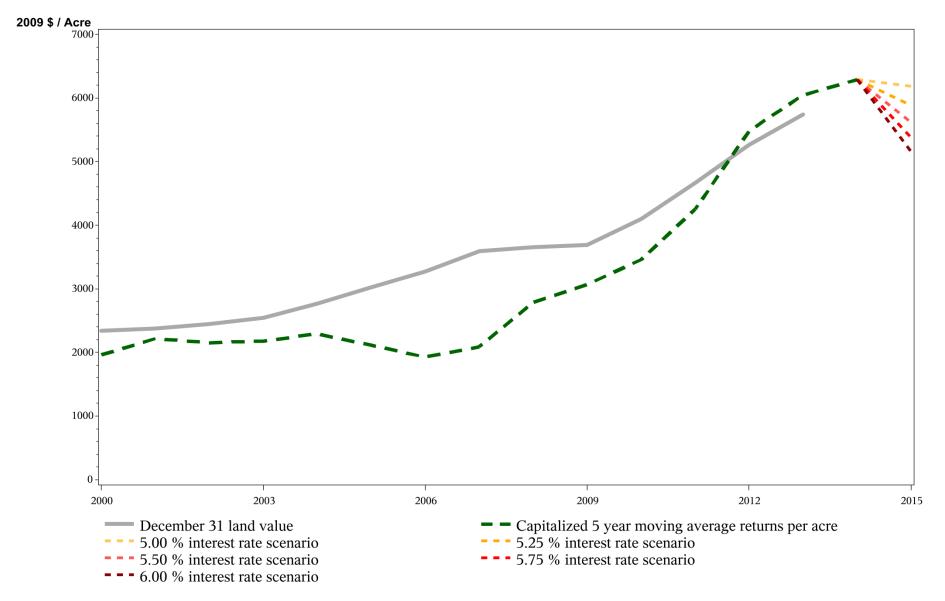
December 31st land values and capitalized returns in the Corn Belt



2014 and 2015 data are forecasts

Note: Returns per acre are calculated as net cash income plus rental and real estate interest expenses.

Capitalized 5 year moving average returns under different 2015 interest rate scenarios in the Corn Belt



2014 and 2015 data are forecasts

Note: Returns per acre are calculated as net cash income plus rental and real estate interest expenses.

Additional Analysis and Data

Farm Sector Income & Finances

Analysis coinciding with each of the ERS farm income group data release. http://www.ers.usda.gov/topics/farm-economy/farm-sector-income-finances.aspx

Farm Sector Income and Wealth Statistics

Data product updated 3 times per year. Next update: August 25th, 2015. Includes historical state and national estimates, and national forecasts. http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics.aspx

Charts and Maps of U.S. Farm Balance Sheet Data

Lets users visualize farm balance sheet data series and generate maps of farm real estate values for different years.

http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/charts-and-maps-of-us-farm-balance-sheet-data.aspx

Amber Waves:

Presents current ERS economic and policy research on agriculture, food, rural America, and the environment for policymakers, academics and the public.

Via web connection or mobile app

http://www.ers.usda.gov/AmberWaves/

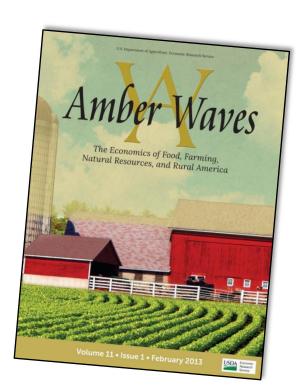
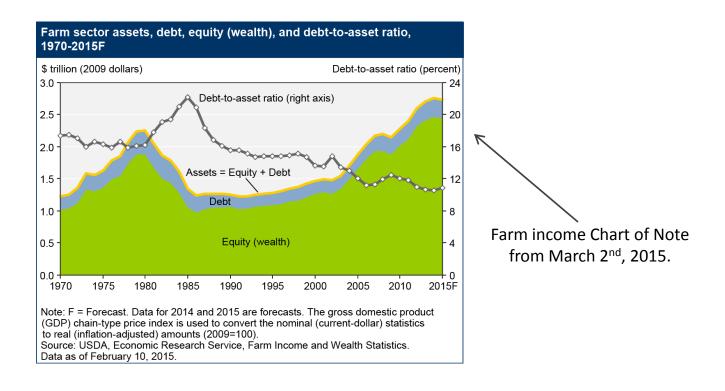


Chart of Note:

Daily chart and short analysis on current ERS economic and policy research on agriculture, food, rural America, and the environment for policymakers, academics and the public.

http://www.ers.usda.gov/ChartsOfNote



QUESTIONS?

Ryan Kuhns

RNKuhns@ers.usda.gov

Kevin Patrick

KTPatrick@ers.usda.gov

Mitch Morehart

Morehart@ers.usda.gov

Ted Covey

TCovey@ers.usda.gov