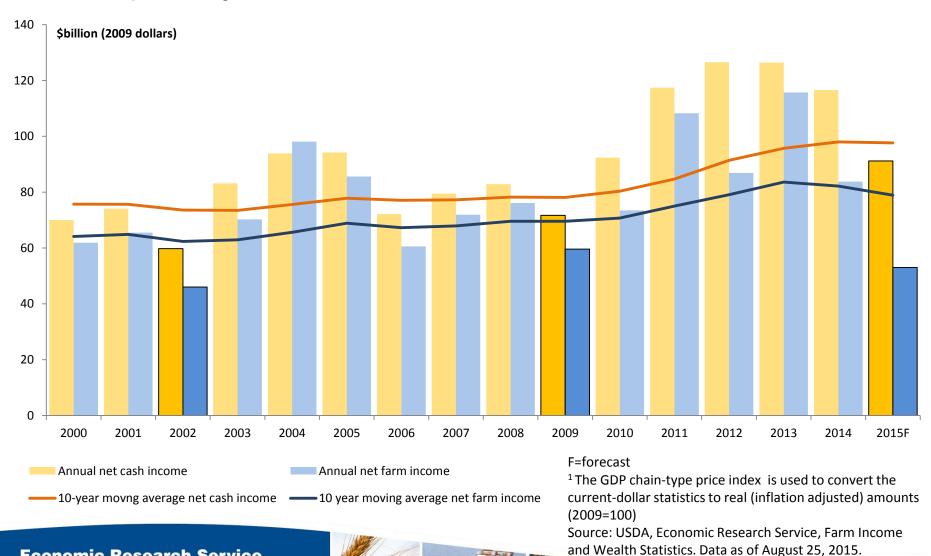


the Economic Research Service or USDA

Net cash and net farm income forecast below 10-year moving average

USDA

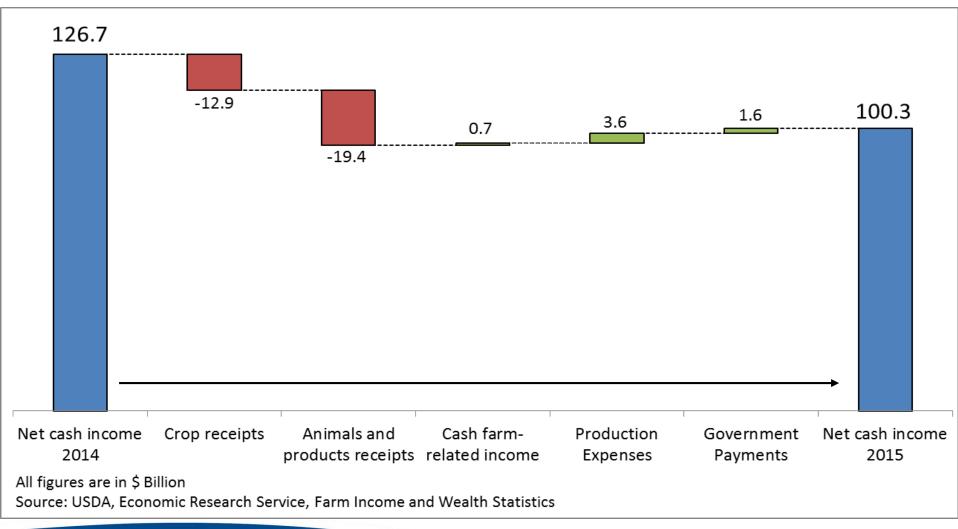
United States Department of Agriculture



Economic Research Service www.ers.usda.gov

Lower commodity receipts drive the expected decline in net cash income from 2014 to 2015F

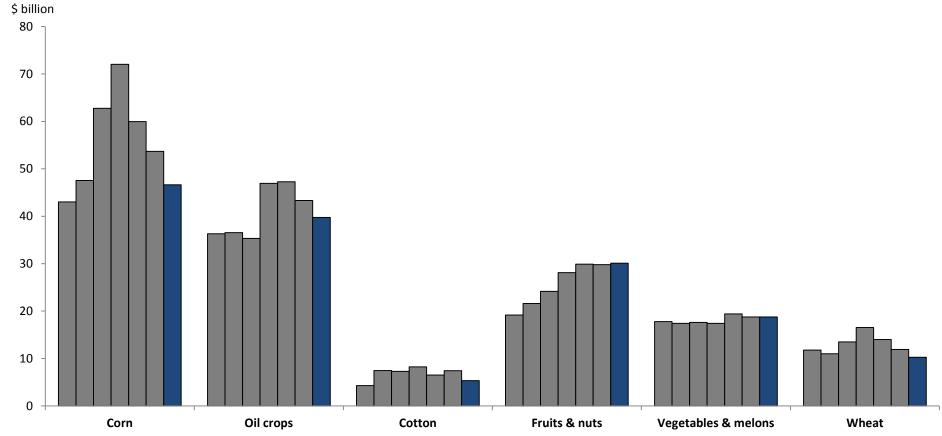
United States Department of Agriculture



Crop receipts are expected to fall for most major categories in 2015



United States Department of Agriculture



F= Forecast.

Source: USDA, Economic Research Service, Farm Income and Wealth Statistics

Data as of August 25, 2015



2009 2010 2011 2012 2013 2014 2015F





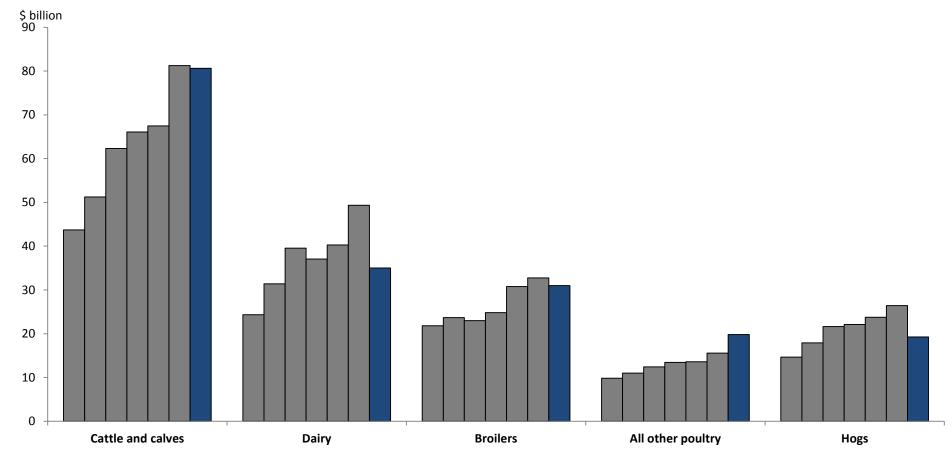




Animal receipts are also expected to fall for most categories in 2015



United States Department of Agriculture



F= Forecast.

Source: USDA, Economic Research Service, Farm Income and Wealth Statistics

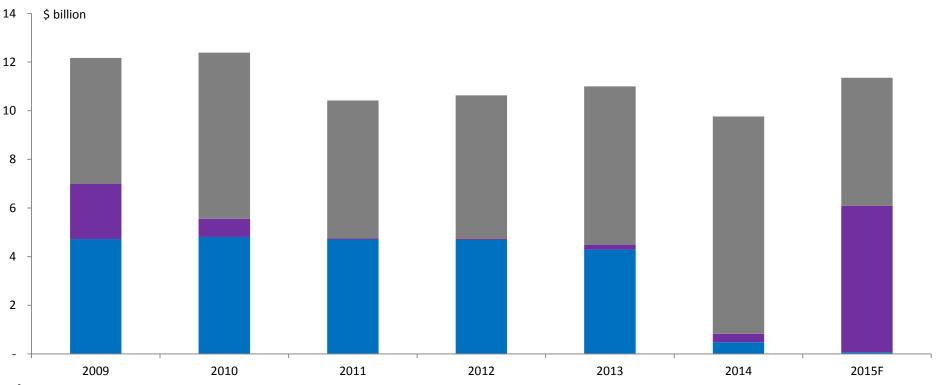
Data as of August 25, 2015



2009 2010 2011 2012 2013 2014 2015F

Crop price based payments are expected to make up a larger of government payments in 2015

United States Department of Agriculture



F=forecast.

Fixed payments	Crop price based payments	All other payments
Includes fixed direct payments and cotton transition payments.	Includes PLC , and ARC, ACRE, counter- cyclical payments, and other programs where payment rates vary with market prices.	Include disaster relief payments, tobacco transition payments, dairy program payments, and conservation payments.





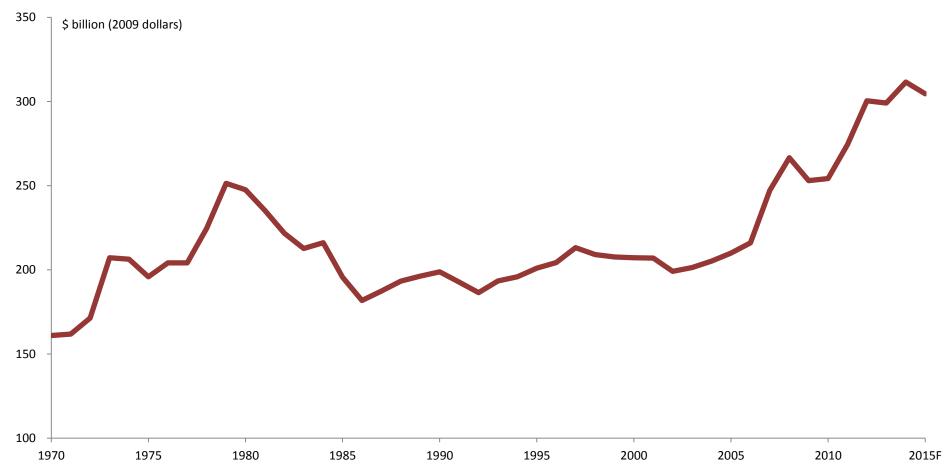




Cash expenses are expected to decline for the first time since 2009



United States Department of Agriculture



F= Forecast. Values are adjusted using the chain-type GDP deflator, 2009=100 Source: USDA, Economic Research Service, Farm Income and Wealth Statistics Data as of August 25, 2015





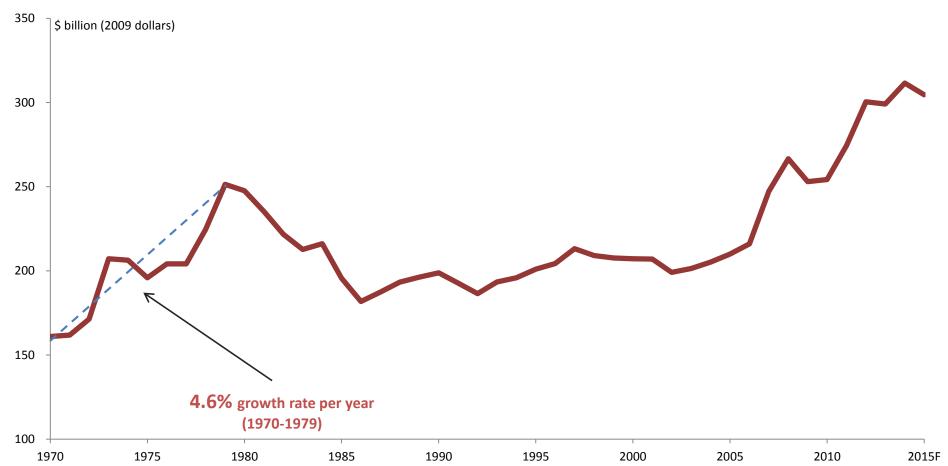




Cash expenses are expected to decline for the first time since 2009



United States Department of Agriculture



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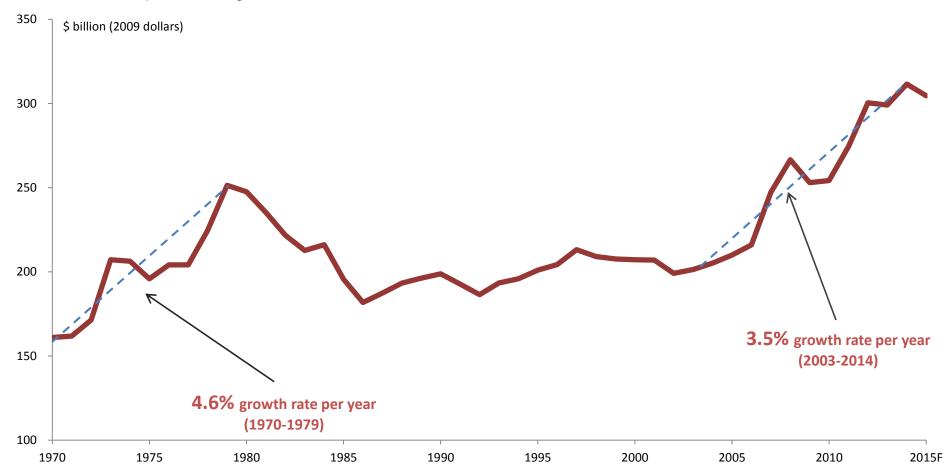




Cash expenses are expected to decline for the first time since 2009



United States Department of Agriculture



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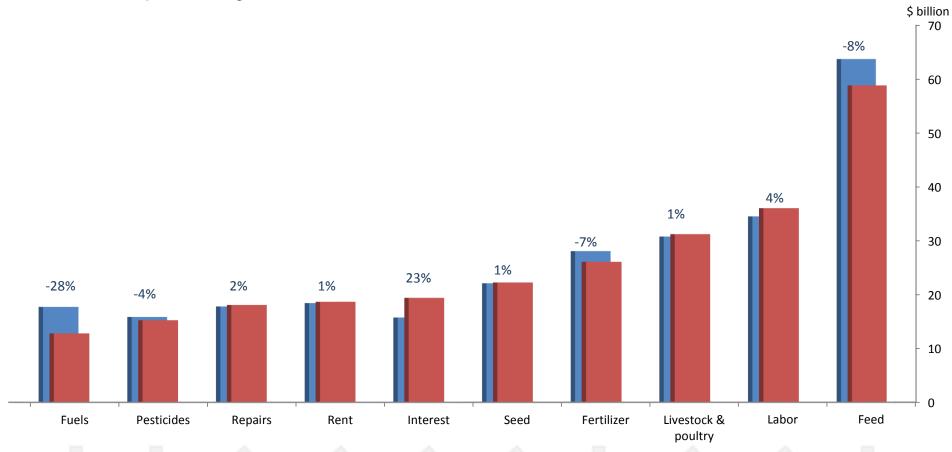




Cash expenses expected to decline for the first time since 2009



United States Department of Agriculture



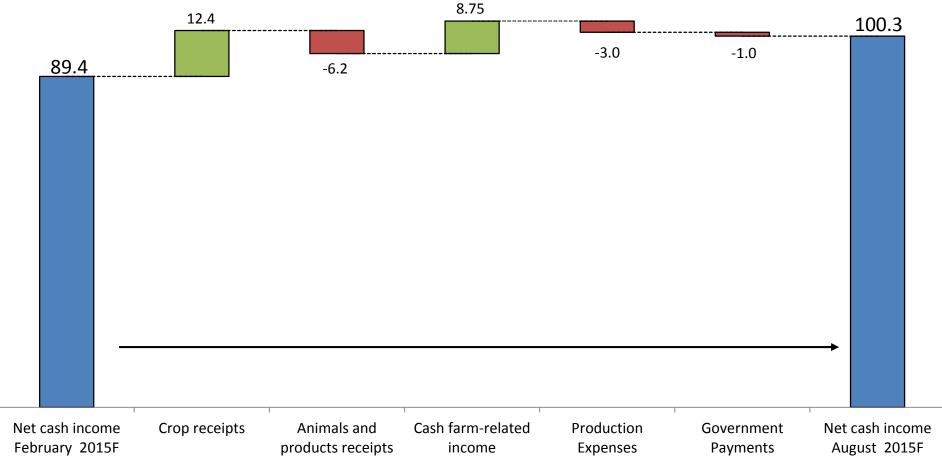
F=forecast

Source: USDA, Economic Research Service, Farm Income and Wealth Statistics. Data as of August 25, 2015



The 2015 net cash income forecast improved by \$10.9 billion from USDA February to August





All figures are in \$ Billion

Source: USDA, Economic Research Service, Farm Income and Wealth Statistics



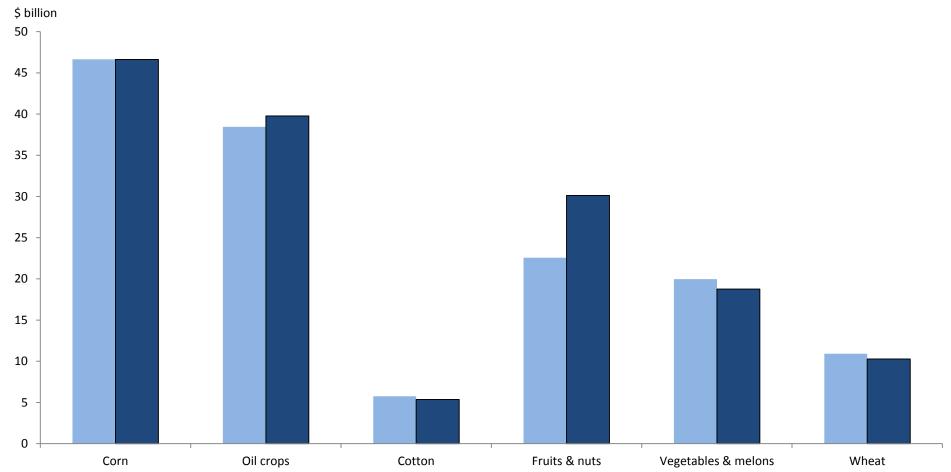






Fruit and nut receipts are expected to increase the most relative to USDA February

United States Department of Agriculture



F= Forecast.

Source: USDA, Economic Research Service, Farm Income and Wealth Statistics

Data as of August 25, 2015





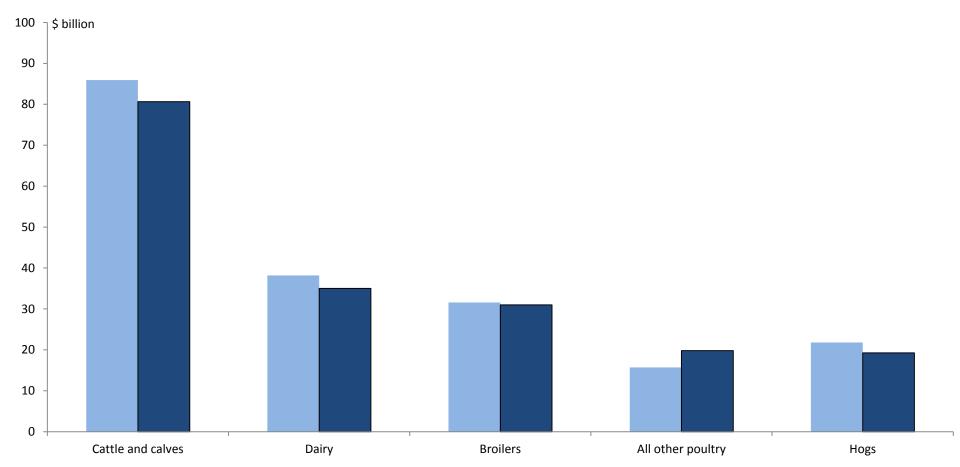






Cash receipts for most major animals and products categories are forecast lower relative to February **USDA**

United States Department of Agriculture



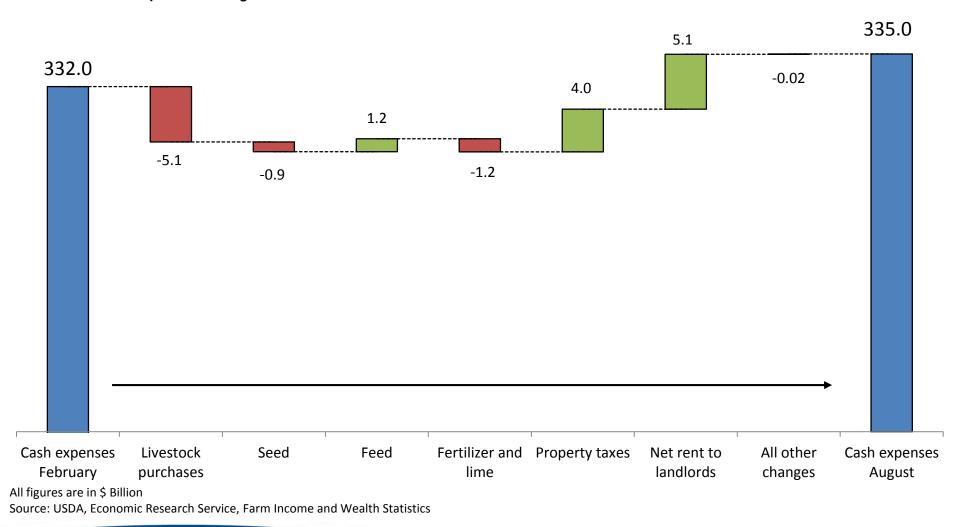
F= Forecast Source: USDA, Economic Research Service, Farm Income and Wealth Statistics Data as of August 25, 2015



August 2015F

Livestock purchases and net rent payments drive the increase in forecast cash expenses

United States Department of Agriculture



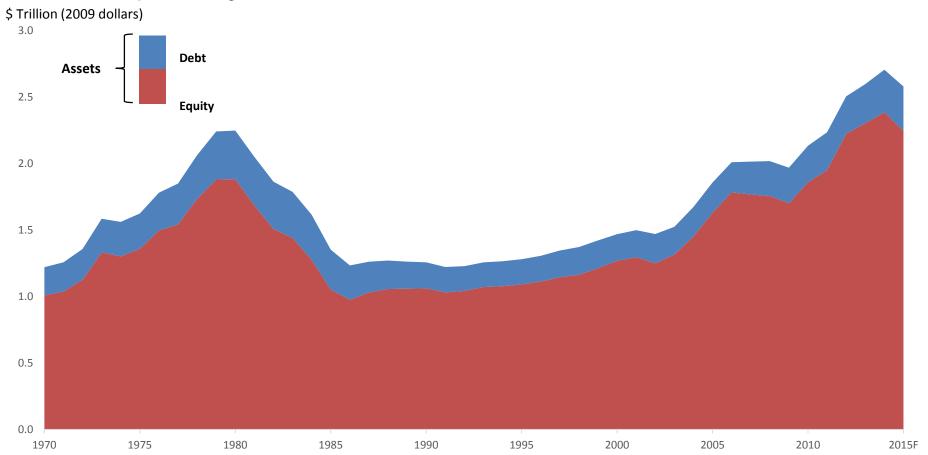
Economic Research Service





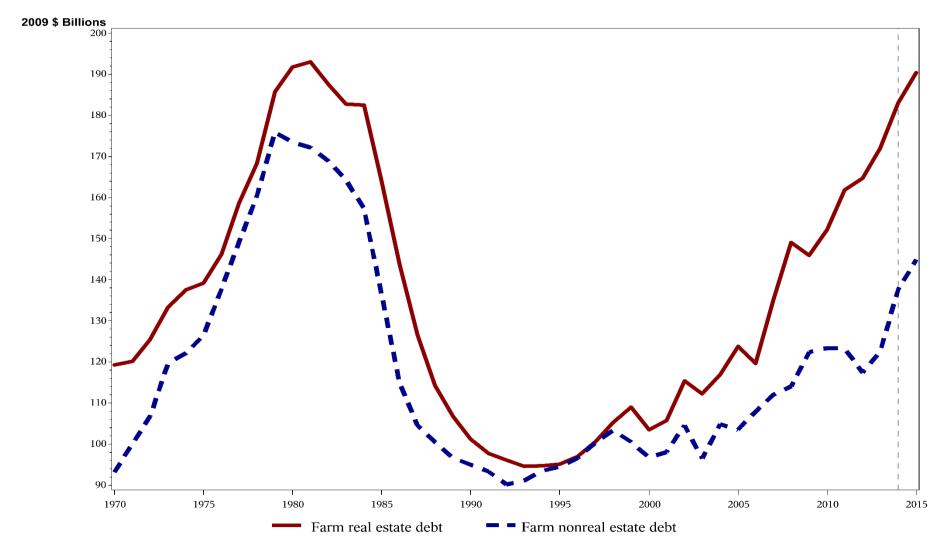
2015 marks first expected decline in real¹ asset and equity values since USDA 2009

United States Department of Agriculture



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 August 25, 2015.

Inflation adjusted debt is expected to grow in 2015 and real estate debt approaches its 1980s peak



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.

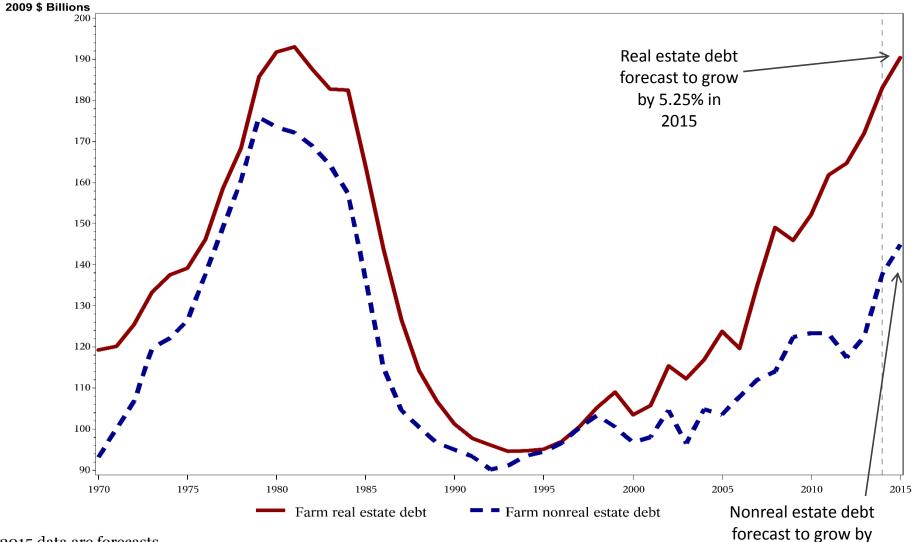








Inflation adjusted debt is expected to grow in 2015 and real estate debt approaches its 1980s peak



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.



6.5% in 2015

An expected small decline in farm real estate values is primary driver of USDA forecast drop in farm asset values

United States Department of Agriculture



Source: USDA, Economic Research Service, Farm Income and Wealth Statistics. Data as of August 25, 2015.









An expected small decline in farm real estate values drives forecast drop USDA in farm asset values

United States Department of Agriculture



Source: USDA, Economic Research Service, Farm Income and Wealth Statistics. Data as of August 25, 2015.







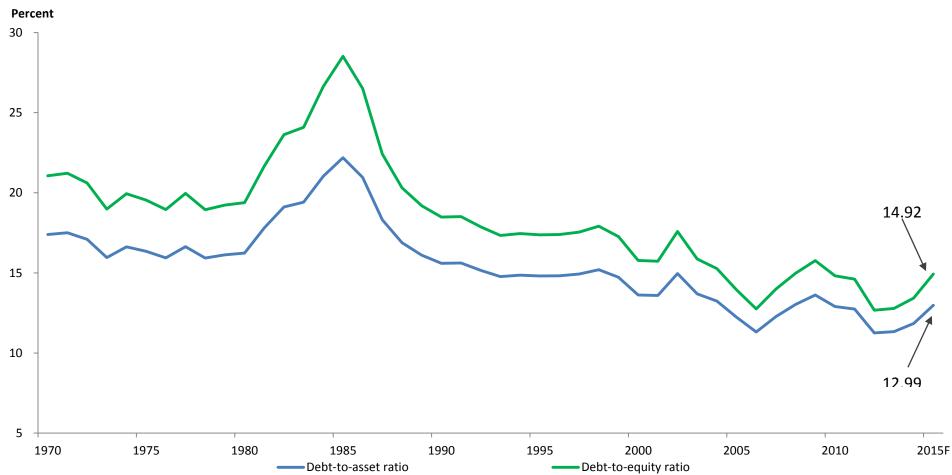






Sector leverage remains historically low, despite debt being forecast to grow faster than assets in 2015

United States Department of Agriculture



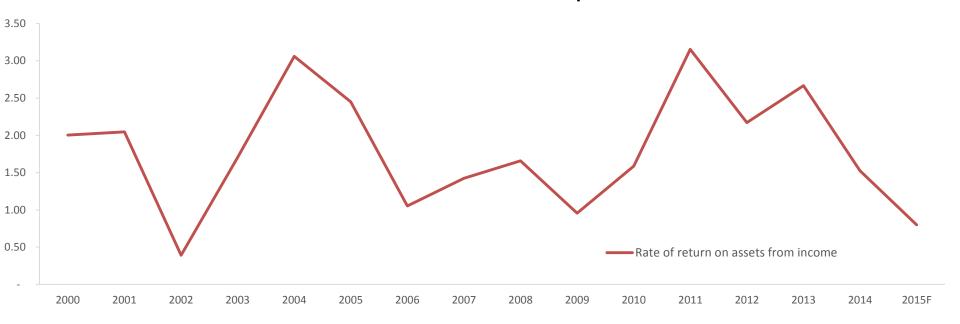
F= Forecast.

Source: USDA, Economic Research Service, Farm Income and Wealth Statistics. Data as of August 25, 2015





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 August 25, 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

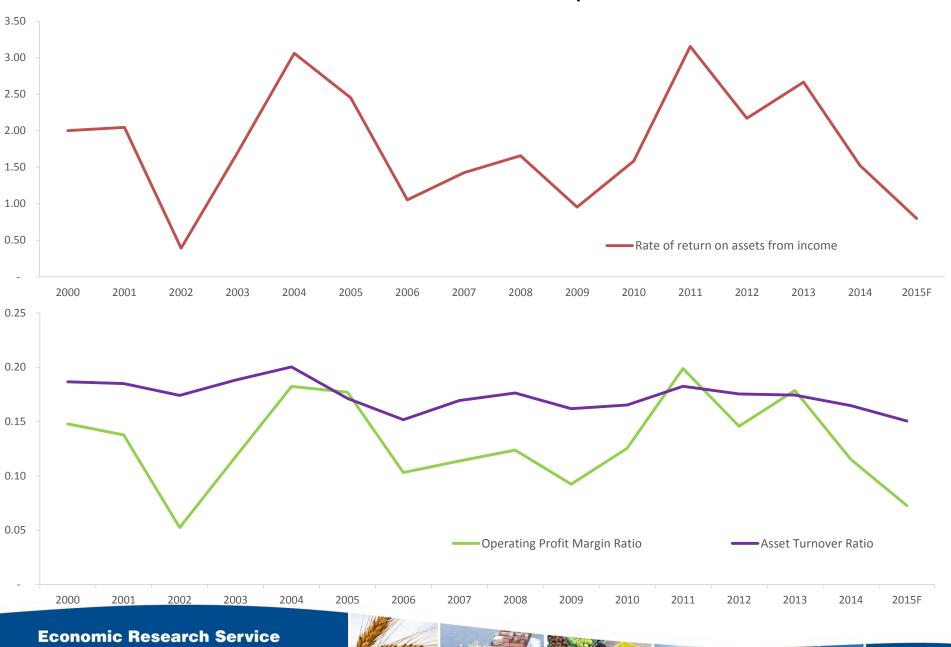








The rate of return on farm assets expected to fall in 2015

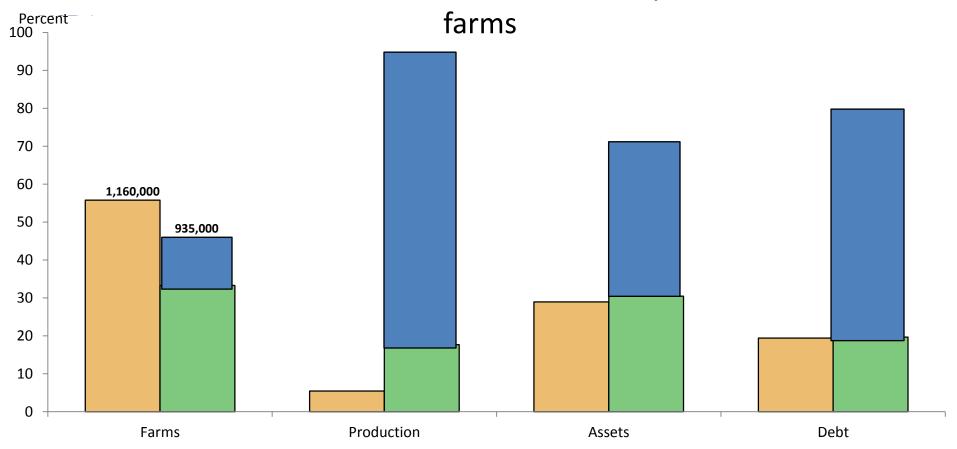


Economic Research Service www.ers.usda.gov





Farm businesses account for over 90% of farm production and 45%



	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.





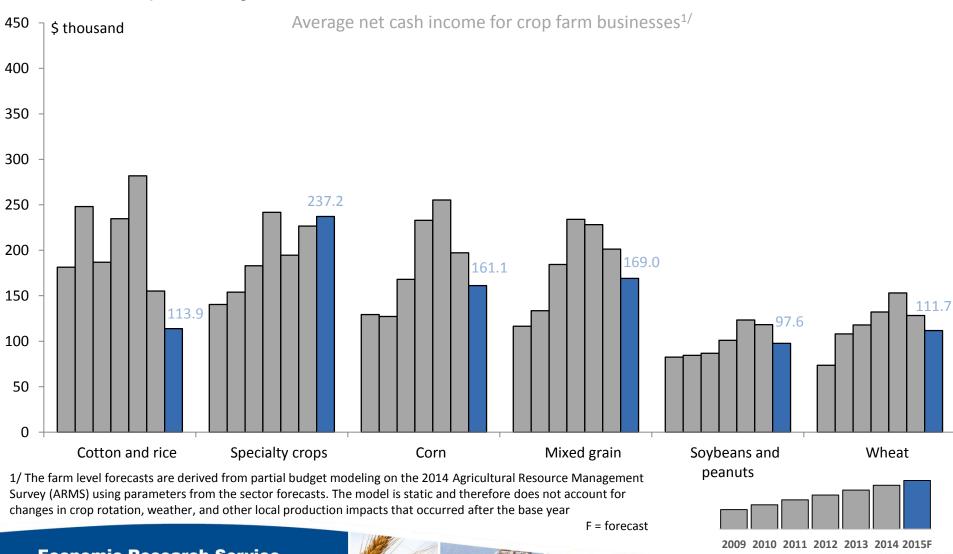




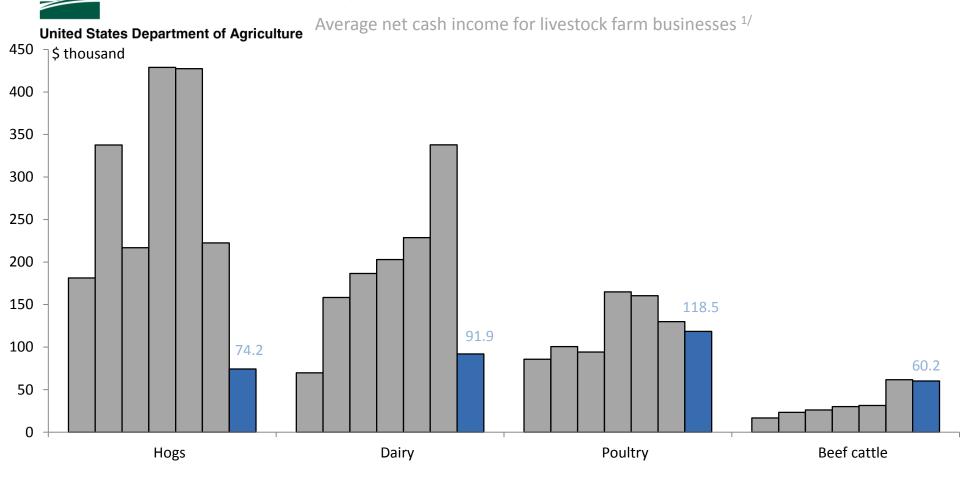


Declines in average net cash income expected for most farm businesses specializing in crops

United States Department of Agriculture



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

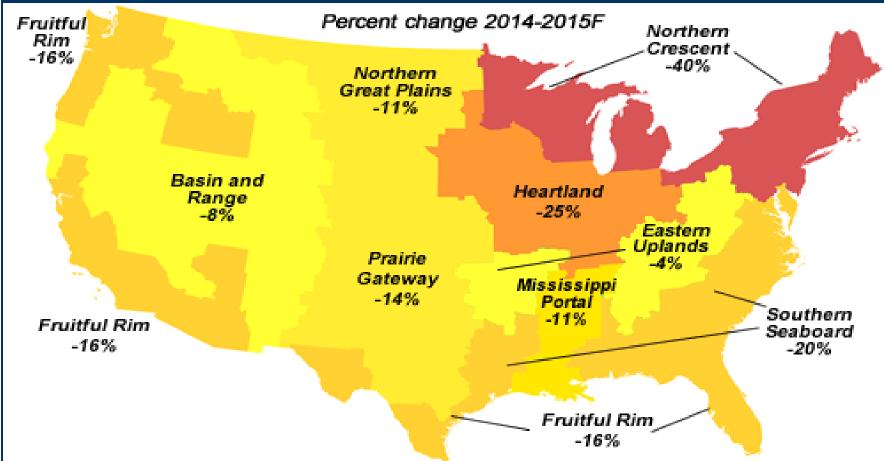


1/ The farm level forecasts are derived from partial budget modeling on the 2014 Agricultural Resource Management Survey (ARMS) using parameters from the sector forecasts. The model is static and therefore does not account for changes in crop rotation, weather, and other local production impacts that occurred after the base year F = forecast



2009 2010 2011 2012 2013 2014 2015F

Farm business average net cash income by resource region, 2015F compared with 2014



Note: F = forecast. The partial budget forecast model is based on the 2014 Agricultural Resource Management Survey (ARMS) using parameters from the sector forecasts. The model is static and does not account for changes in crop rotation, weather, and other location production impacts that occurred after the base year. Data as of August 25, 2015. Source: USDA, Economic Research Service, Farm Income and Wealth Statistics.



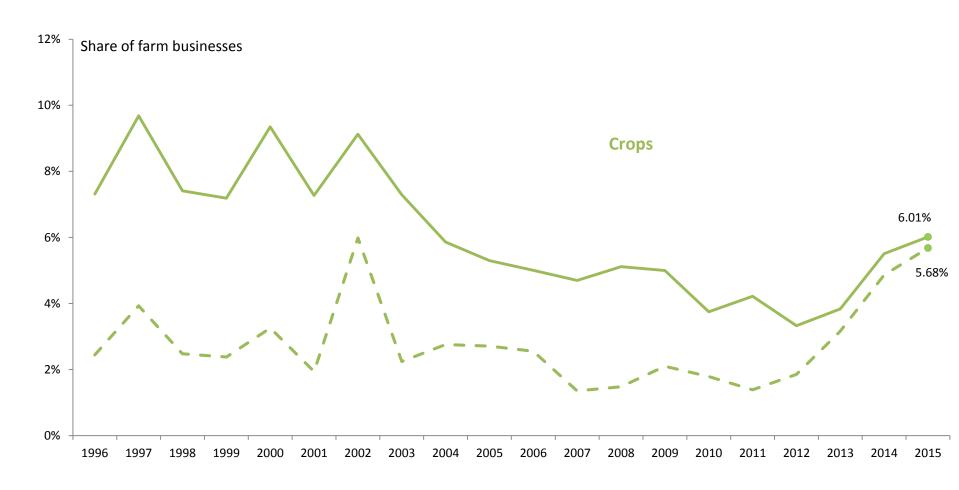




Share of highly leveraged farm businesses forecast to increase in 2015F



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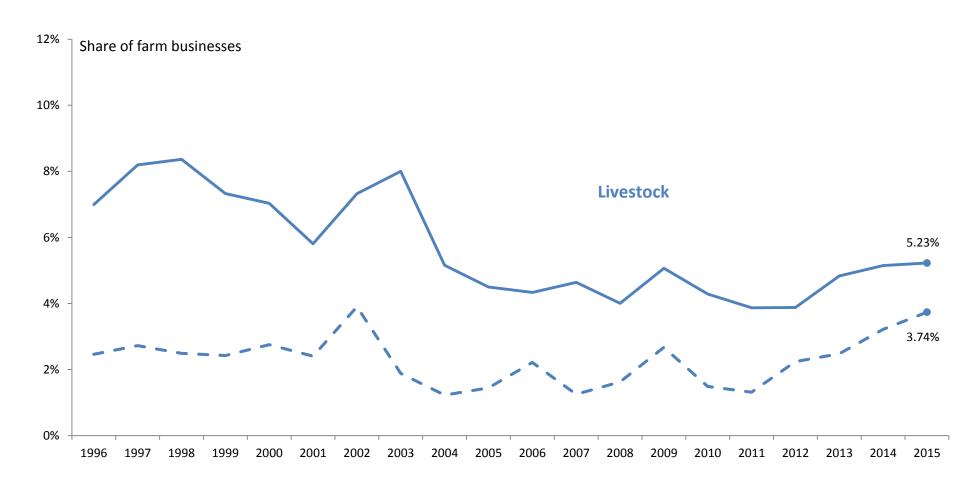




Share of highly leveraged farm businesses forecast to increase in 2015F

USDA

United States Department of Agriculture







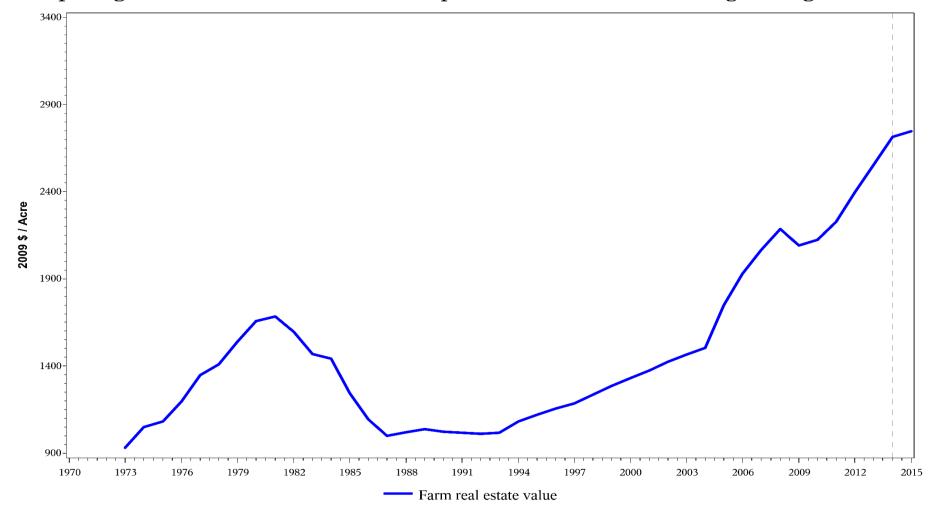






National Land Values

Comparing Farm Real Estate Values to Capitalized Annual and Moving Average Returns



2015 data are forecasts

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

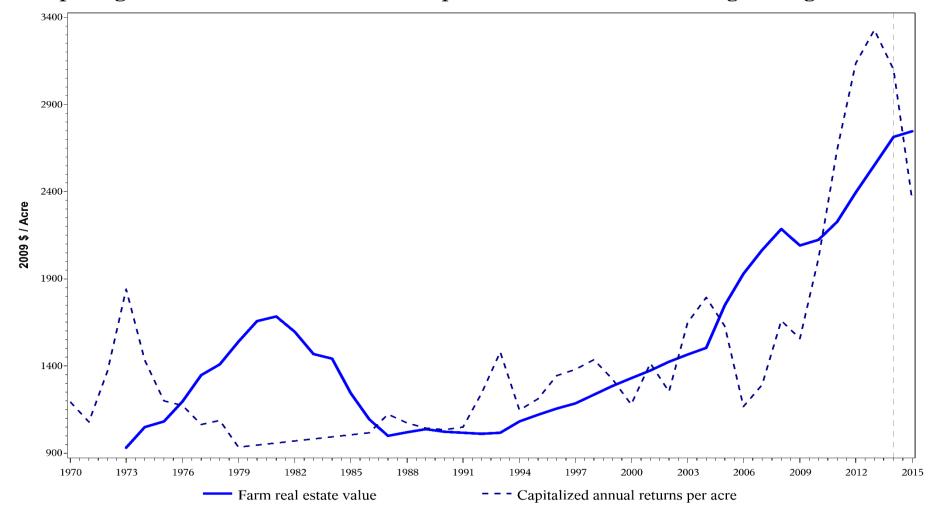






National Land Values

Comparing Farm Real Estate Values to Capitalized Annual and Moving Average Returns



2015 data are forecasts

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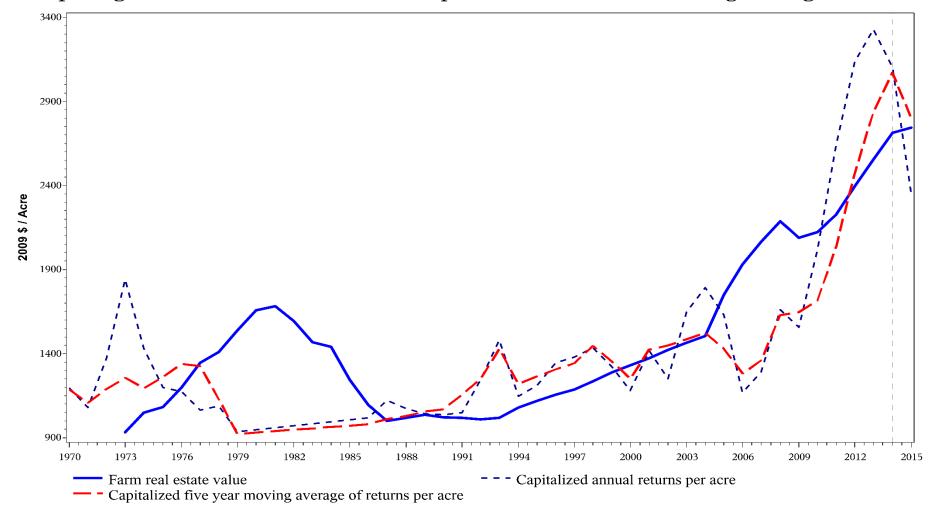






National Land Values

Comparing Farm Real Estate Values to Capitalized Annual and Moving Average Returns



2015 data are forecasts

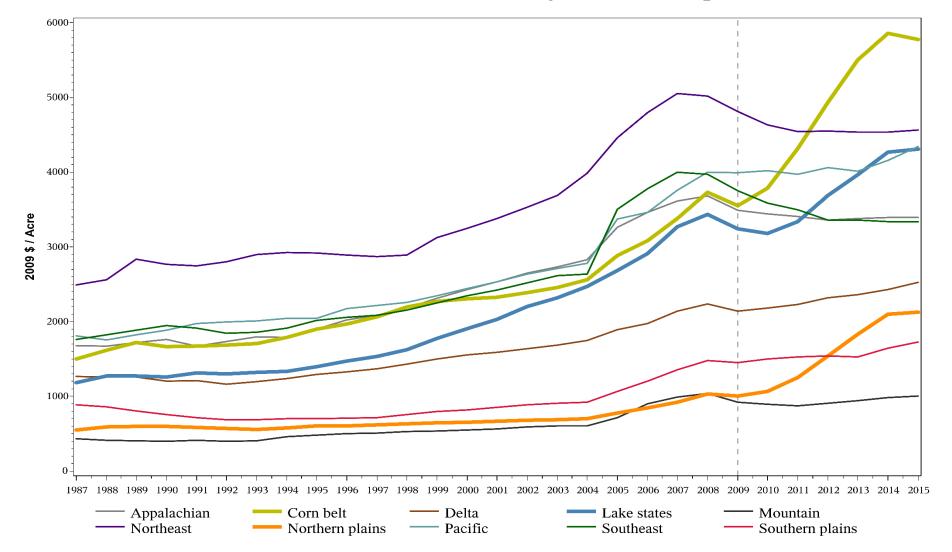
Note: Returns per acre are calculated as net cash income plus rental and real estate interest expenses.







Real Estate Values Have Grown Unevenly Across Regions Since 2009



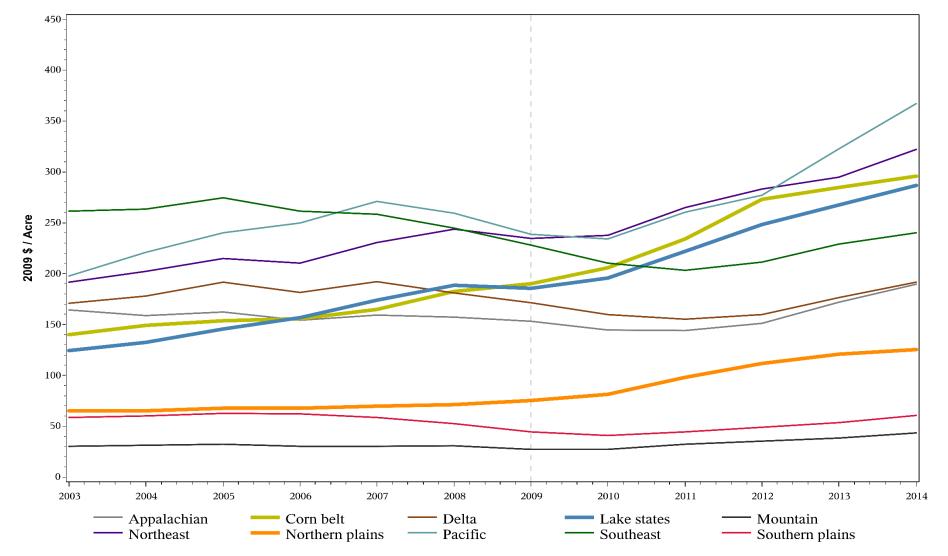
Note: Farm real estate includes land and buildings.

Source: USDA, National Agricultural Statistics Service, June Area Survey.





Cash Returns to Farm Real Estate Have Also Grown Unevenly Across Regions Since 2009



Note: Cash 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.

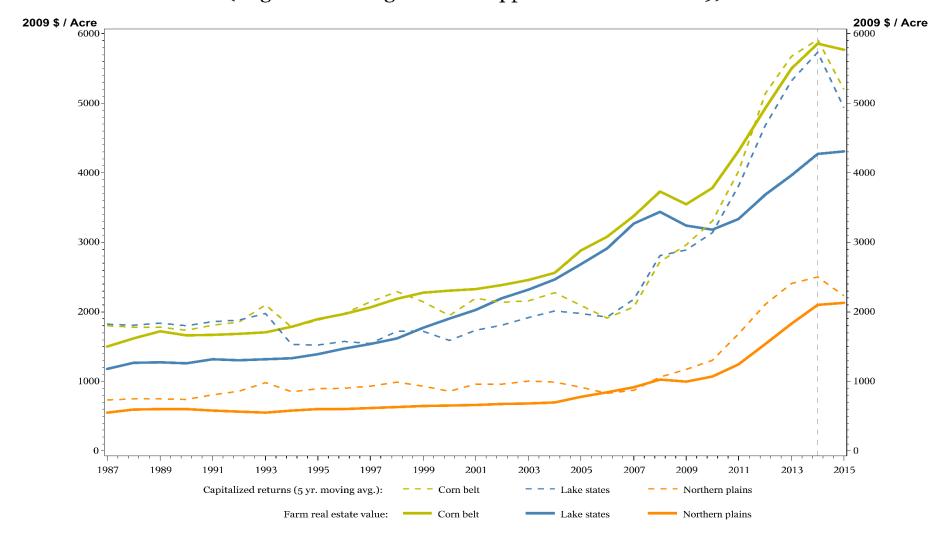








Comparing Farm Real Estate Values to Capitalized Returns per Acre (5 year moving average) (Regions with Highest Real Appreciation Since 2009)



2015 data are forecasts

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









dditional Analysis and Data

United States Department of Agriculture

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: November 24th, 2015. Includes historical state and national estimates, and national forecasts. http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics.aspx











Amber Waves:

Presents summaries of 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/

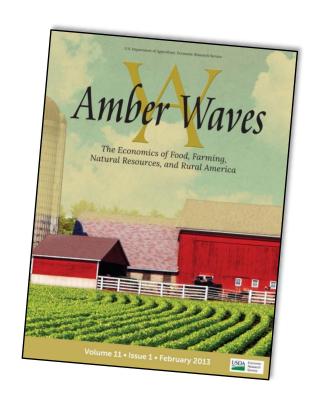












Chart of Note:

Net farm income by component of change, 2014-2015F \$ billion 100 \$91.1 -\$12.9 Value of livestock Government -\$5.8 Value of payments change \$58,3 \$1.6 crop 60 inventory All other Lower -\$19.4 changes production Livestock expenses receipts 40 20 2014-2015F change -\$32.8 billion Net farm income 2014 income 2015F Daily chart and short analysis on current ER Source: USDA, Economic Research Service, Farm Income and Wealth Statistics. Data as of August 25, 2015.

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

Farm income Chart of Note from August 25, 2015.

http://www.ers.usda.gov/data-products/charts-of-note.aspx





QUESTIONS?

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