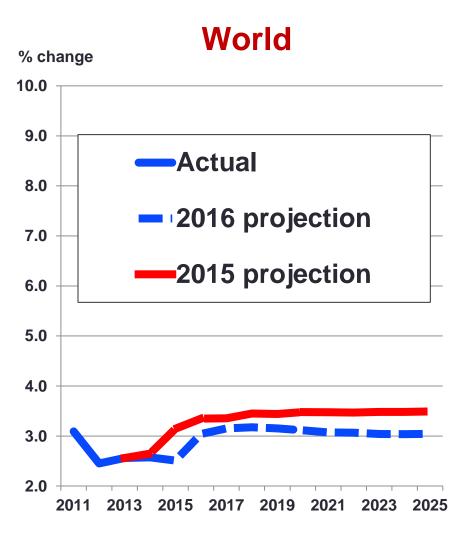
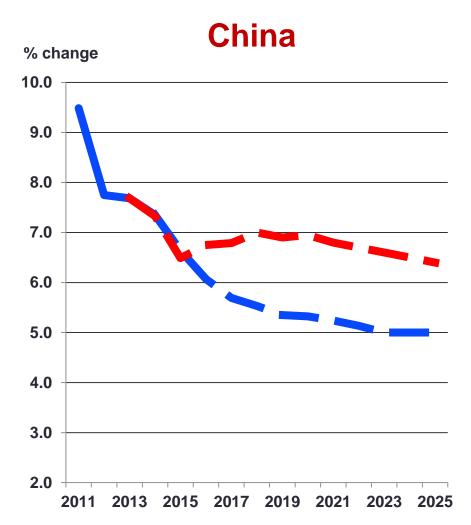


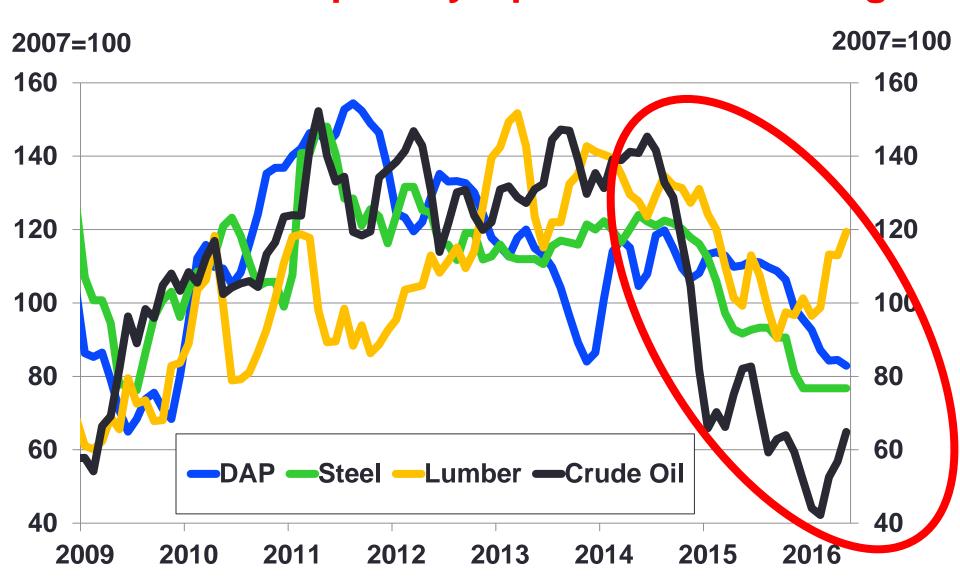
World GDP growth slows, compared to last year's projections, most notably in China





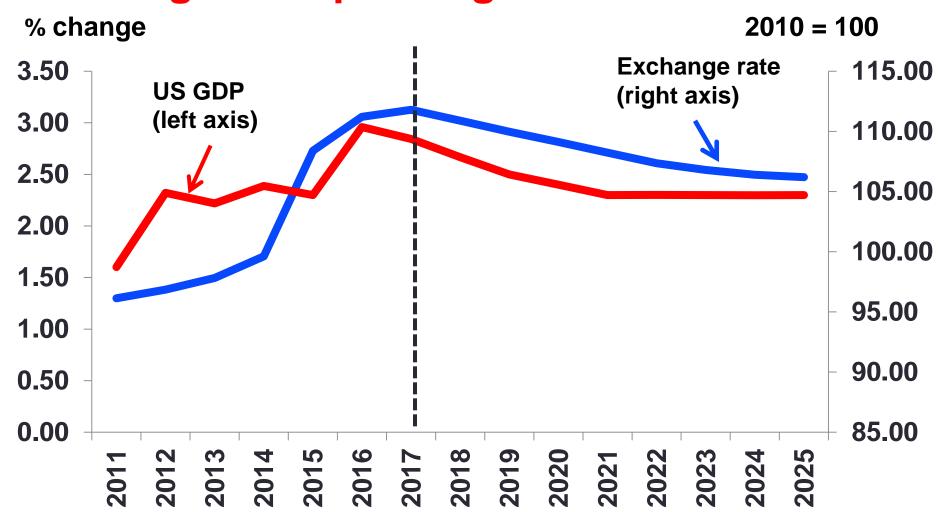
Source: USDA.

Price declines for primary inputs could be ending



Source: Eikon/Datastream, USDA-OCE.

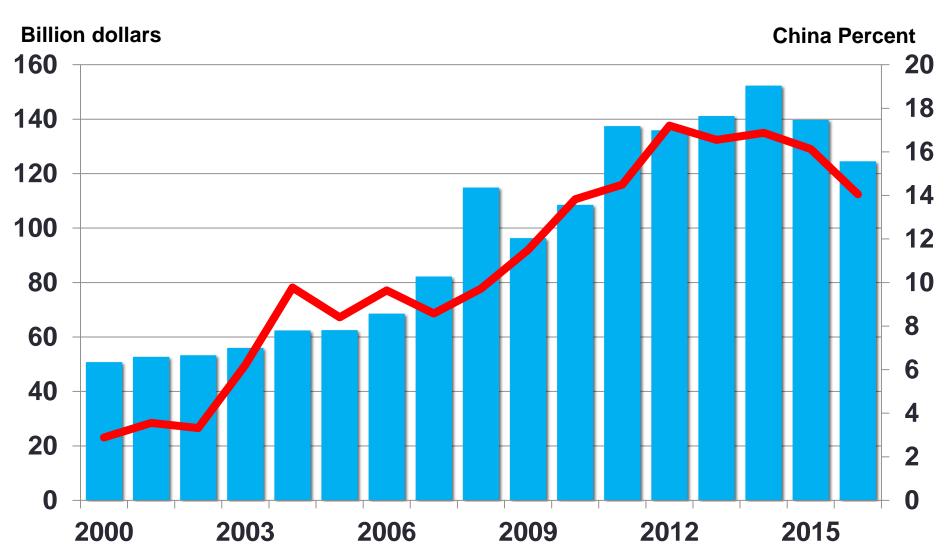
U.S. GDP growth and real ag trade-weighted exchange rate up through 2017



Data: USDA-OCE.



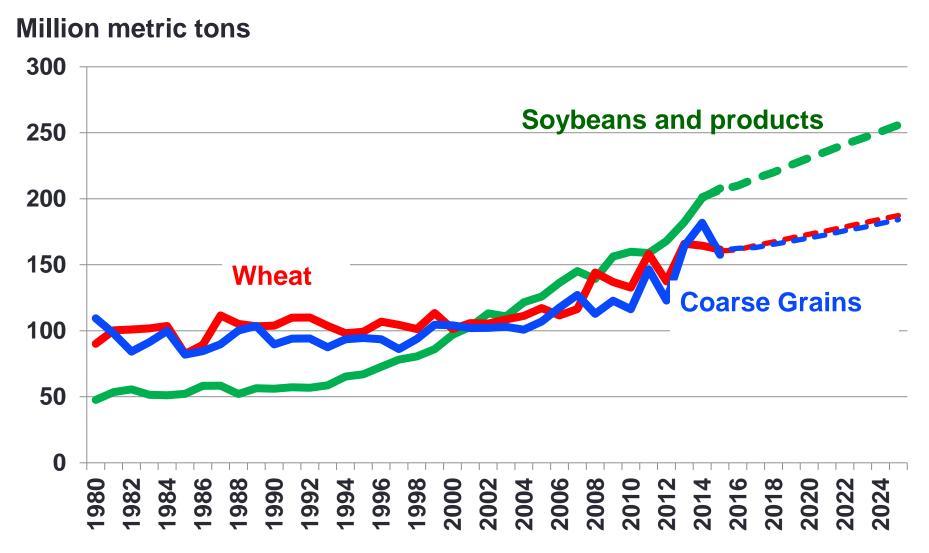
Decline in agricultural exports expected in 2016 --- China share falls in value



Source: USDA. Data are fiscal year.

Global trade growth is expected to continue

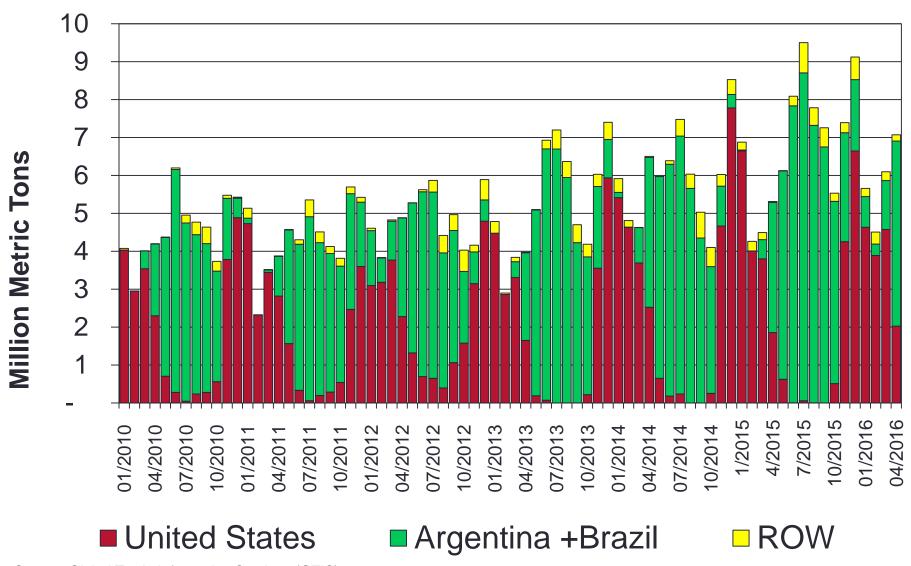




Source: USDA.

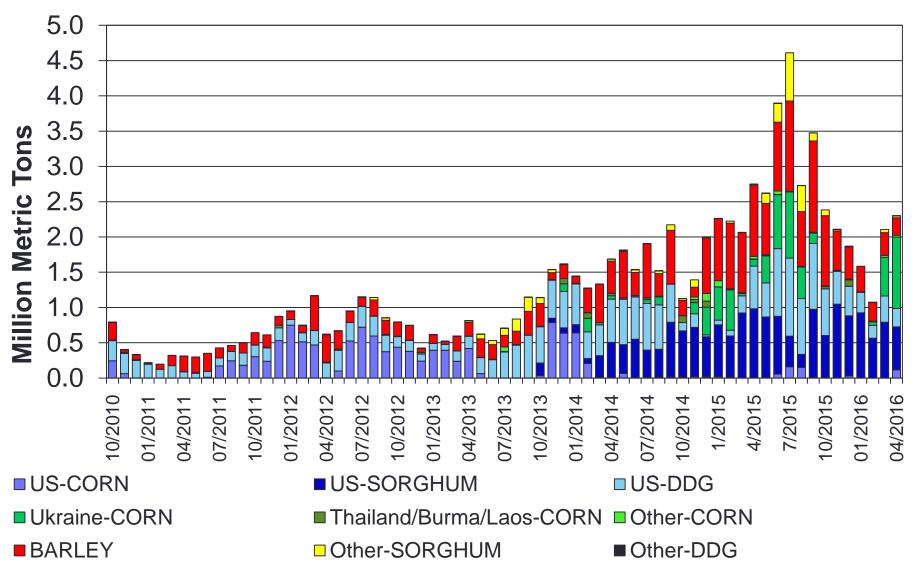
USDA

Monthly Chinese soybean imports



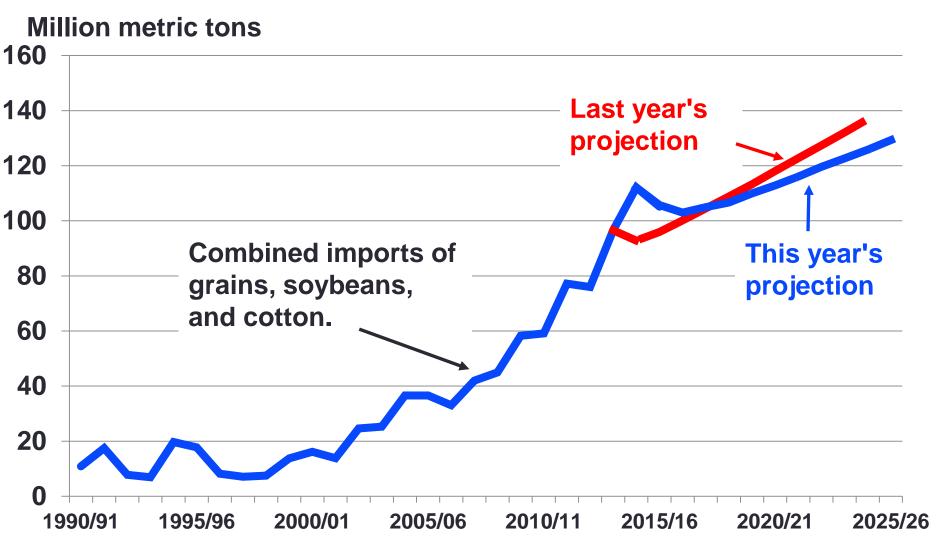
Source: Global Trade Information Services (GTIS)

Monthly Chinese corn/barley/sorghum imports



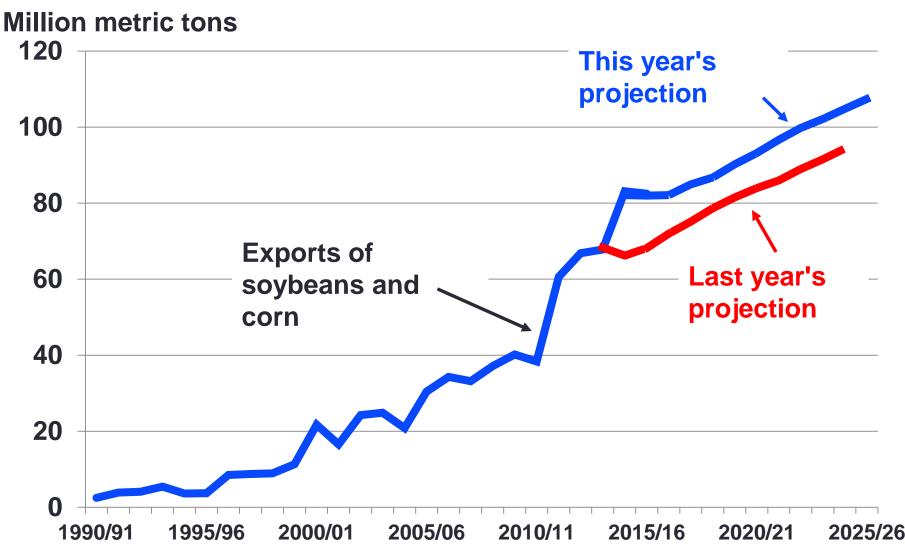
Source: Global Trade Information Services (GTIS)

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



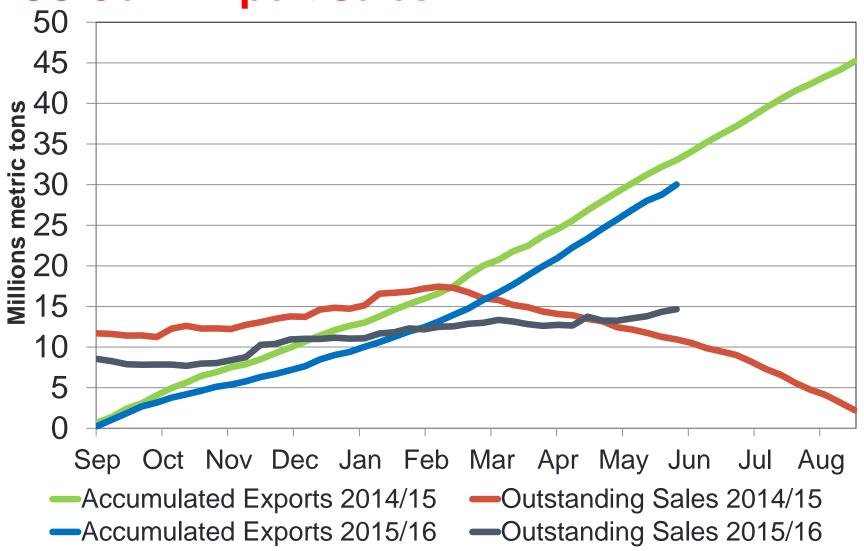
Source: USDA.

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

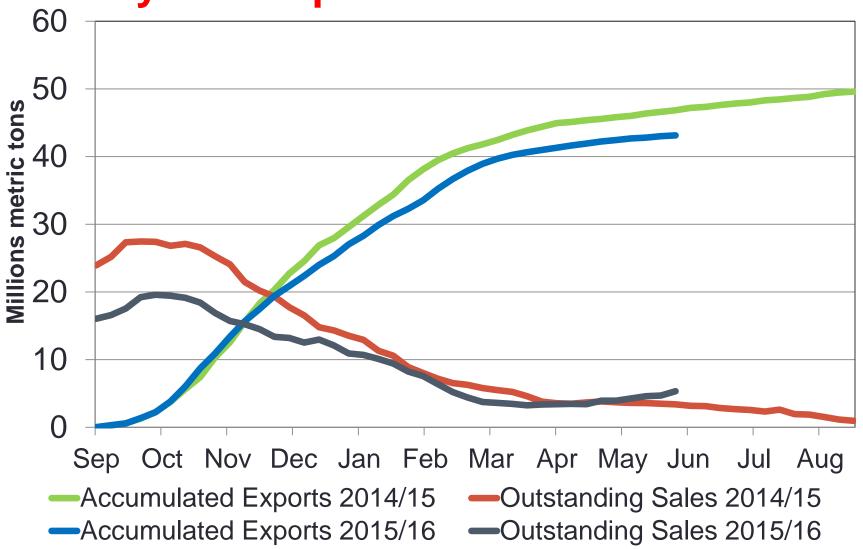


Source: USDA.

US Corn Export Sales



US Soybean Export Sales



Expanding U.S. ag exports through FTAs

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

U.S exports to TPP-11 \$57.2 billion

U.S. imports from TPP-11 \$58.1 billion

TPP* Ag Trade

Exports \$133 billion Imports \$113.5 billion Total \$246.5 billion

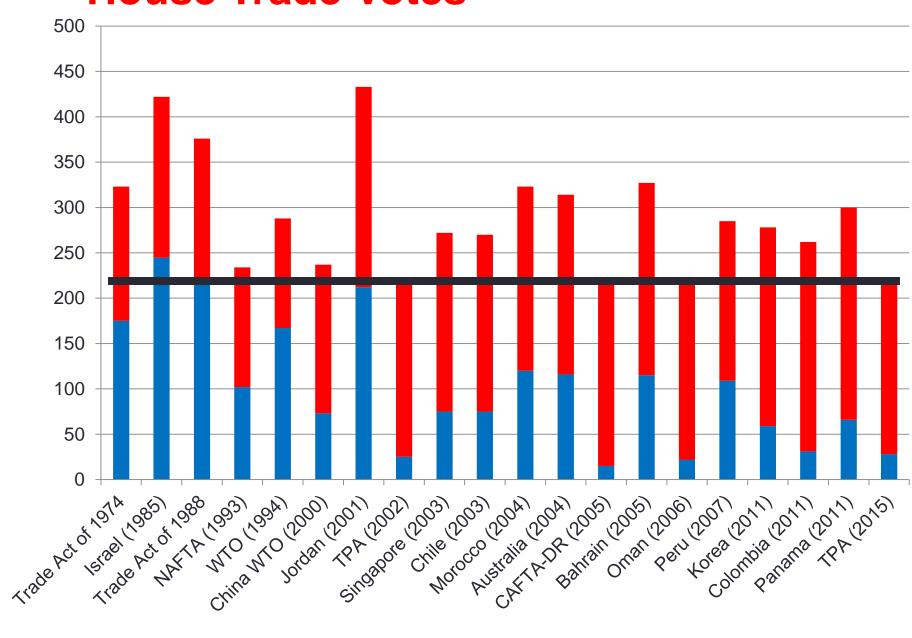
U.S. Ag Trade

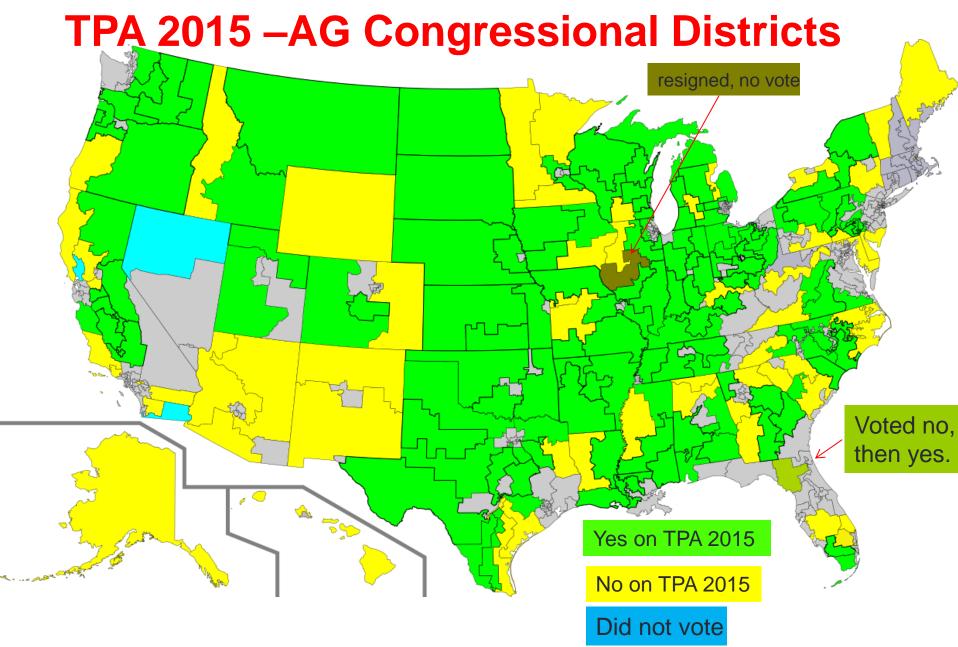
Total TPP-11 trade \$403 billion

Source: USDA Global Agricultural Trade Statistics, UN Commodity Trade Statistics, CY2014/2015 trade data.



House Trade Votes

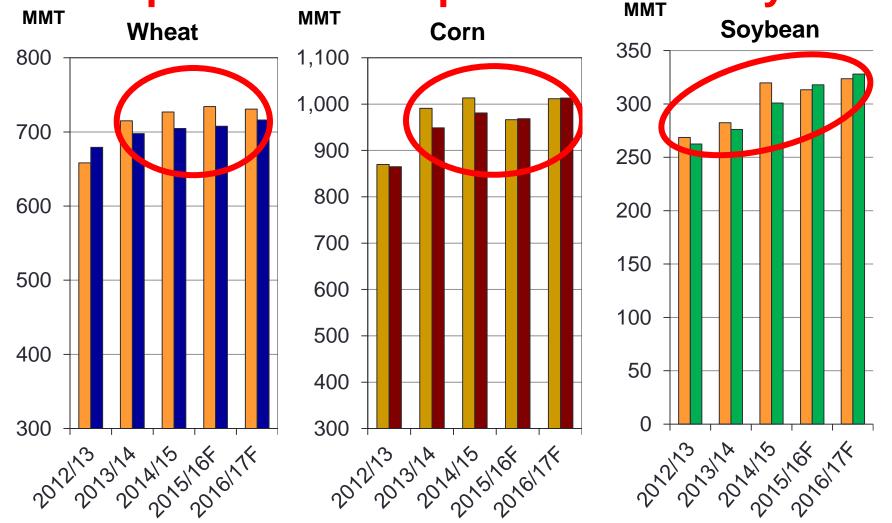




Top 200 Congressional Districts ranked by value of ag production (\$300 million or greater)

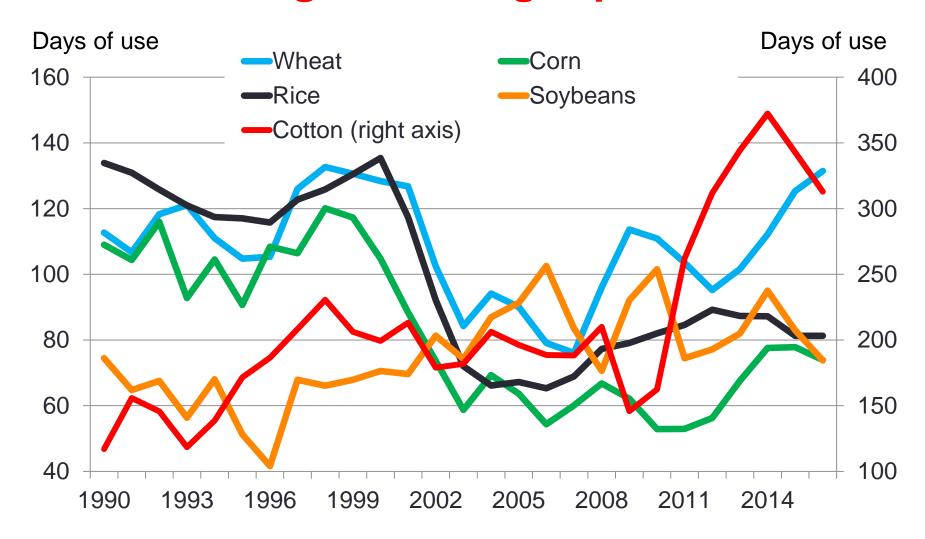


Global production stays high, consumption catches up for corn and soybeans



Source: World Agricultural Supply and Demand Estimates, June 10, 2016.

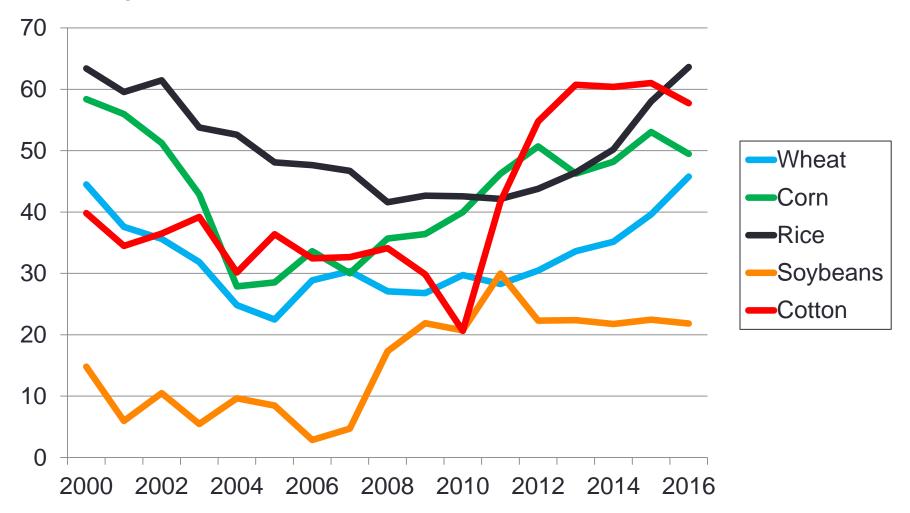
Global ending stocks edge up



Source: World Agricultural Supply and Demand Estimates, June 10, 2016. Foreign Agricultural Service, PS&D database.

China policies build stocks

Percent of global stocks



Source: USDA, PSD database, World Agricultural Supply and Demand Estimates, June 10, 2016.

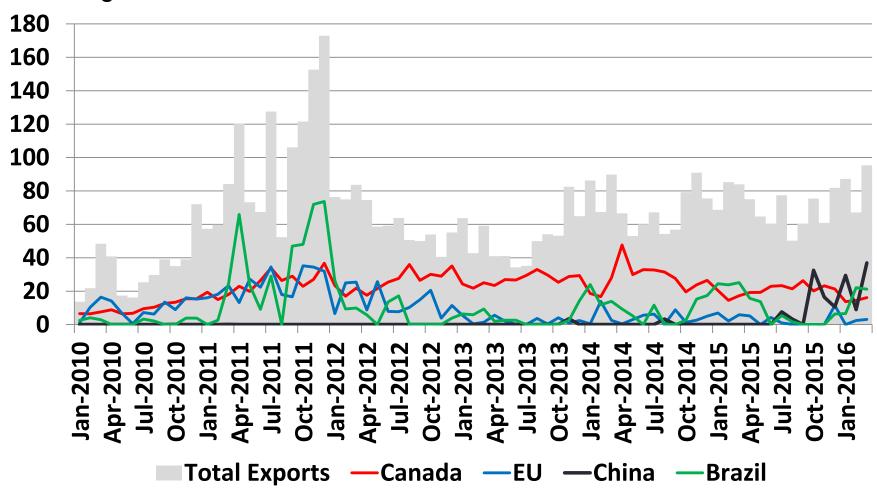
Prices soften, but still above 2000-2003 average

		, and the second second	,		/	/				
Crop	Ave 2000- 03	2011	2012	2013	2014	2015F	2016F			
		Dollars per metric ton								
Wheat	113.5	266.0	285.5	252.4	220.1	180.0	147.0			
Corn	84.2	244.9	271.2	175.6	145.7	145.7	137.8			
Soybeans	200.2	459.3	529.1	477.7	371.1	332.5	349.1			
Cotton	1,024.6	1,946.7	1,598.3	1,717.4	1,351.4	1,278.7	1,256.6			
All Rice	123.6	319.7	332.9	359.4	295.4	271.2	266.8			

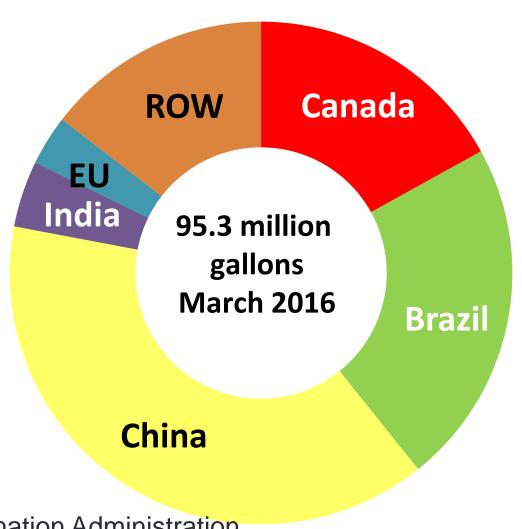
Source: USDA-NASS, *World Agricultural Supply and Demand Estimates*, June 10, 2016. Red denotes record high.

US Ethanol Export Destinations by month

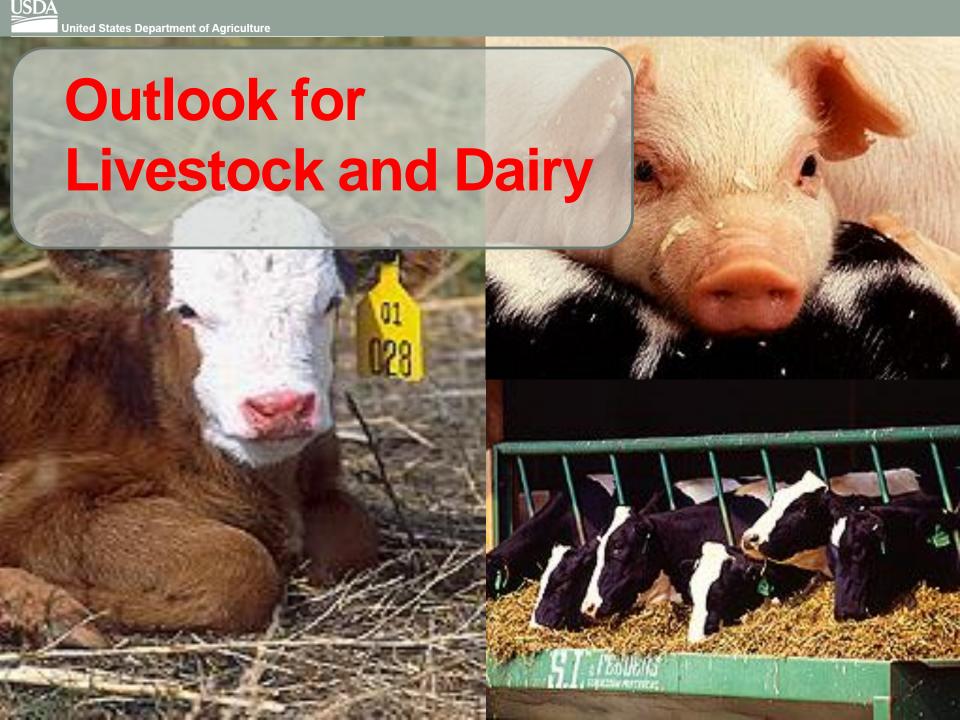
million gallons



US Ethanol Destinations March 2016



US Energy Information Administration



Livestock and poultry inventories building

Animal products	2011	2012	2013	2014	2015	2016	% change	
Million Head/Birds, Jan 1								
Total Cattle	92.9	91.2	90.1	88.5	89.1	92.0	3.3	
Dairy Cows	9.2	9.2	9.2	9.2	9.3	9.3	0.1	
Hogs*	64.7	66.3	66.2	64.8	67.8	68.4	0.9	
Broiler Layers	55.5	50.4	51.4	52.5	53.7	54.6	1.8	

Source: National Agricultural Statistics Service.

^{*} Dec 1, prior year

Beef, pork, and poultry production higher in 2017

Animal products	2012	2013	2014	2015	2016F	2017F	% change
		Mi	llion Met	ric Tons			
Beef	11.7	11.7	11.0	10.8	11.2	11.7	4.5
Pork	10.6	10.5	10.3	11.1	11.3	11.6	2.6
Broilers	16.8	17.1	17.5	18.1	18.6	19.1	2.5
Total	42.2	42.3	41.8	42.9	44.2	45.5	3.1
Million Metric Tons							
Milk	91.0	91.3	93.5	94.6	96.4	97.7	1.3

Source: World Agricultural Supply and Demand Estimates, June 10, 2016.

Data in red denote record levels.

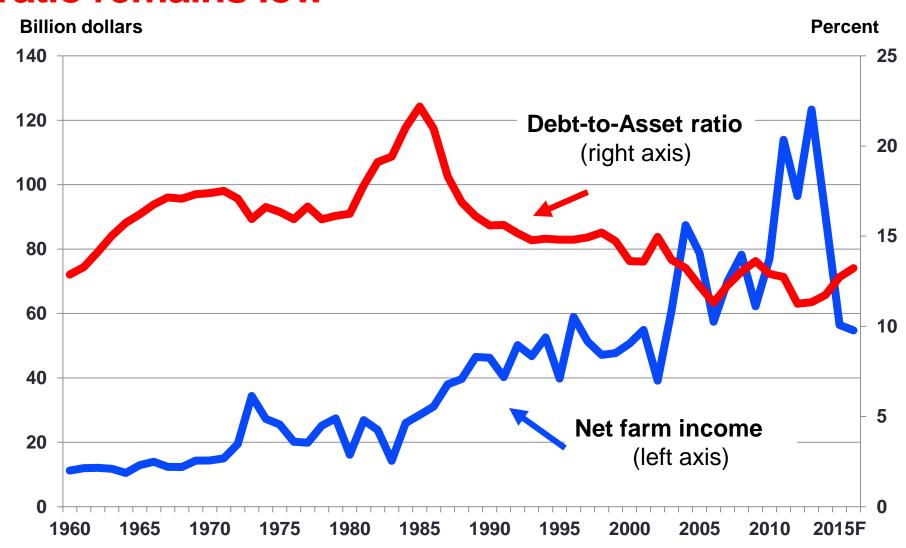
Cattle, hog, and broiler prices expected to come down from 2016, but dairy perks up

ltem	2012	2013	2014	2015	2016F	2017F	% change	
		Dollars per metric ton						
Steers	2,709	2,776	3,408	3,265	2,802	2,717	-3.0	
Hogs	1,343	1,413	1,676	1,107	1,070	964	-9.9	
Broilers	1,909	2,198	2,313	1,995	1,980	1,962	-0.9	
Milk	408	443	529	377	334	347	4.0	

Source: World Agricultural Supply and Demand Estimates, June 10, 2016.

Prices in red denote record levels.

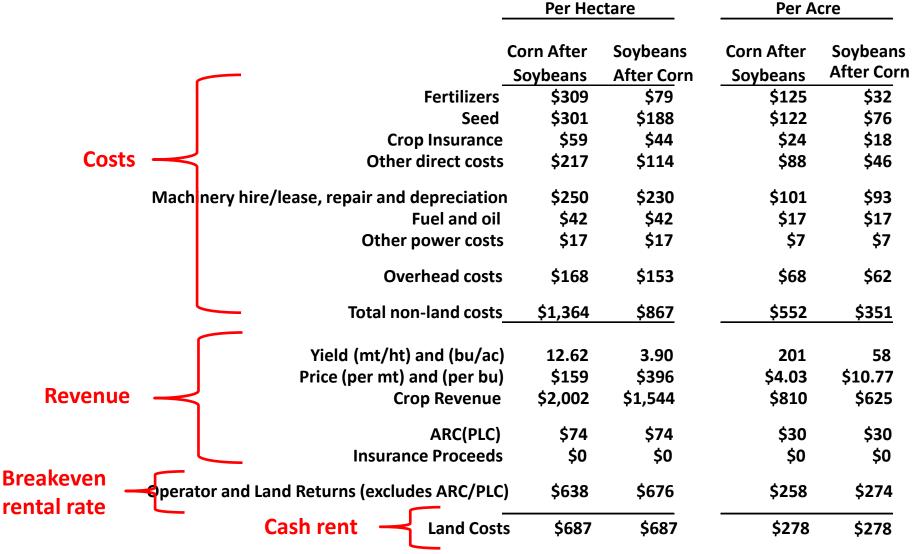
Net farm income is down, but debt-to-asset ratio remains low



Data: USDA-ERS.

USDA

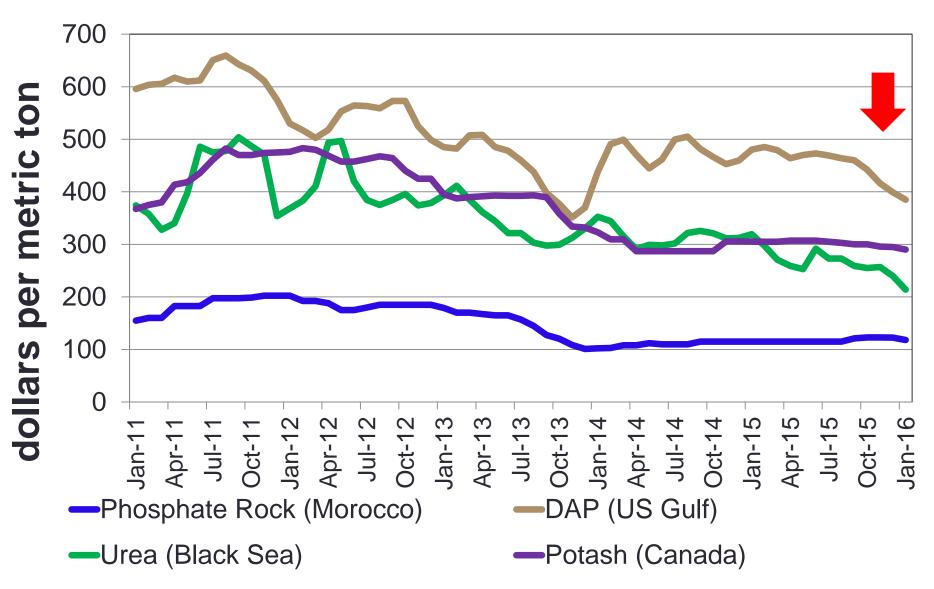
Central Illinois Production Budget 2016 (high productive land)



Central Illinois Production Budget 2016 (high productive land)

		Per Hectare			Per Acre		
	Co	orn After	Soybeans	Corn After	Soybeans		
		oybeans	After Corn	Soybeans	After Corn		
	Fertilizers	\$309	\$79	\$125	\$32		
		•	•	•			
	Seed	\$301	\$188	\$122	\$76		
	Crop Insurance	,\$59	, \$44	\$24	\$18		
Costs —	Other direct costs	\$217	\$114	\$88	\$46		
Machinery hire/l	ease, repair and depreciation	\$250	\$230	\$101	\$93		
	Fuel and oil	\$42	\$42	\$17	\$17		
	Other power costs	\$17	\$17	\$7	\$7		
	Overhead costs	\$168	\$153	\$68	\$62		
	Total non-land costs	\$1,364	\$867	\$552	\$351		
	Yield (mt/ht) and (bu/ac)	12.62	3.90	201	58		
	Price (per mt) and (per bu)	\$159	\$396	\$4.03	\$10.77		
	Crop Revenue	\$2,002	\$1,544	\$810	\$625		
	ARC(PLC)	\$74	\$74	\$30	\$30		
	Insurance Proceeds	\$0	\$0	\$0	\$0		
Operator and Lan	d Returns (excludes ARC/PLC)	\$638	\$676	\$258	\$274		
	Land Costs	\$687	\$687	\$278	\$278		

Fertilizer prices



Source: World Bank

Central Illinois Production Budget 2016 (high productive land)

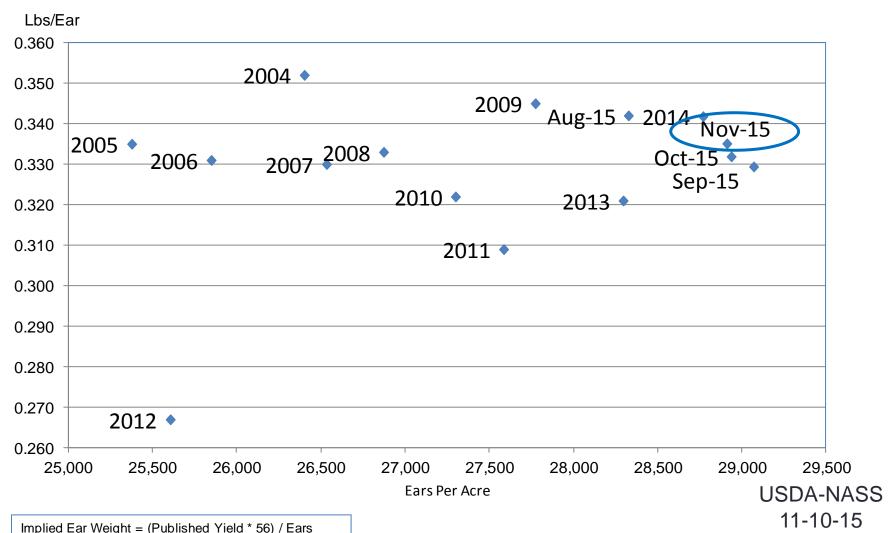
	_	Per He	<u>ctare</u>	Per Acre		
	,	Corn After	Soybeans	Corn After	Soybeans After Corn	
		Soybeans	After Corn	Soybeans		
	Fertilizers	\$309	\$79	\$125	\$32	
	Seed	\$301	\$188	\$122	\$76	
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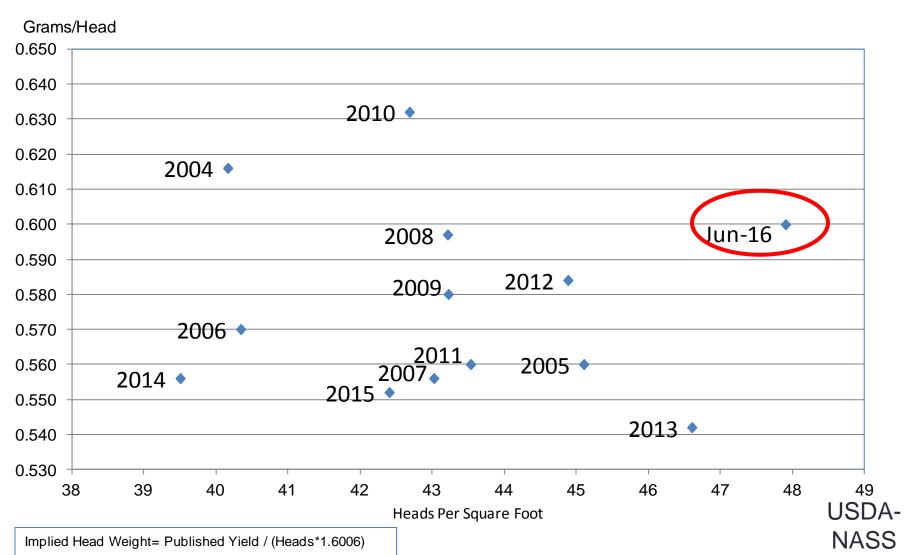
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USDA

Corn Objective Yield (ears per acre vs. implied ear weight)



Wheat Objective Yield (heads per sq. foot vs. implied head weight)

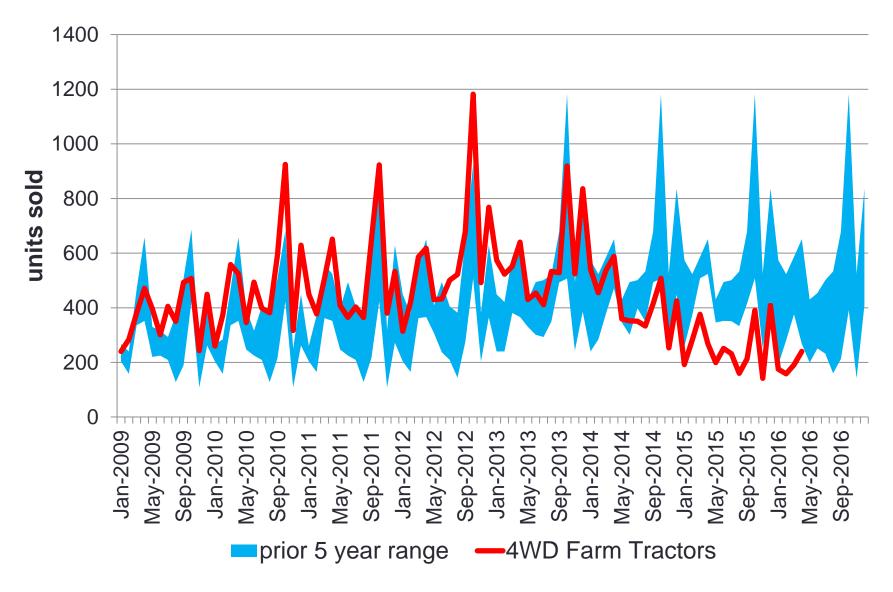


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Central Illinois Production Budget 2016 (high productive land)

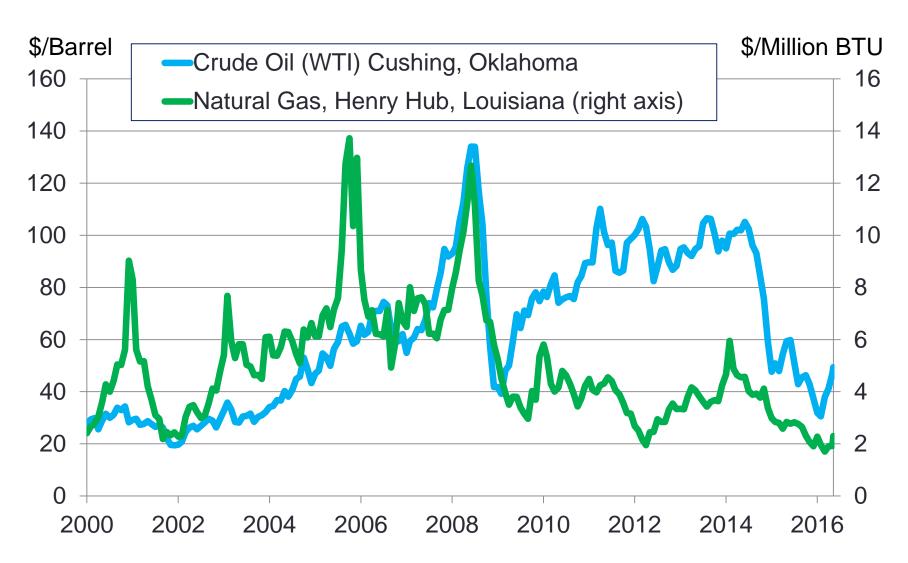
	_	Per He	<u>ctare</u>	Per A	cre
		Corn After	Soybeans	Corn After	Soybeans
		Soybeans	After Corn	Soybeans	After Corn
	Fertilizers	\$309	\$79	\$125	\$32
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	Crop Revenue	\$2,002	\$1,544	\$810	\$625
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	Insurance Proceeds	\$0	\$0	\$0	\$0
Operator and Land F	Returns (excludes ARC/PLC) \$638	\$676	\$258	\$274
	Land Cost	s \$687	\$687	\$278	\$278

US 4WD Tractor Sales



	_	Per Hectare		Per Acre	
		Corn After	Soybeans	Corn After	Soybeans
		Soybeans	After Corn	Soybeans	After Corn
	Fertilizers	\$309	\$79	\$125	\$32
	Seed	\$301	\$188	\$122	\$76
	Crop Insurance	\$59	\$44	\$24	\$18
Costs —	Other direct costs	\$217	\$114	\$88	\$46
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Operator and Lan	d Returns (excludes ARC/PLC	\$638	\$676	\$258	\$274
	Land Cost	s \$687	\$687	\$278	\$278

Selected Energy Prices

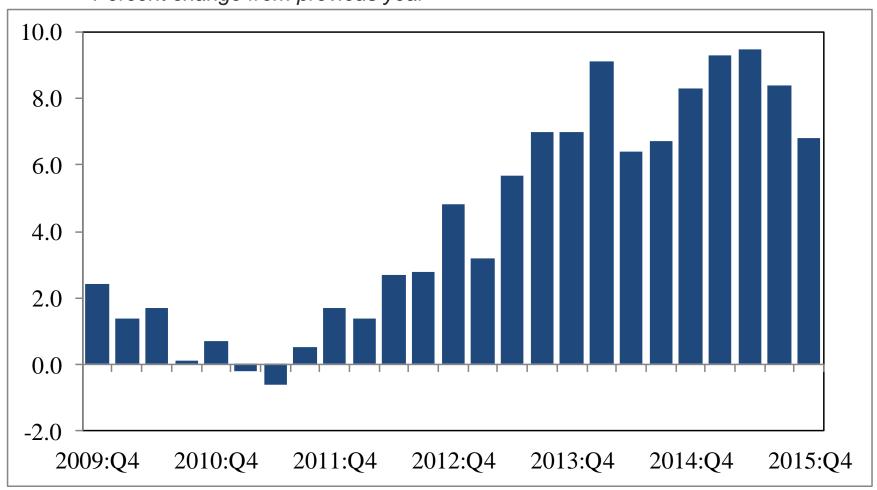


Source: Thomson Reuters Datastream

		Per Hectare		Per Acre	
		Corn After	Soybeans	Corn After	Soybeans
	_	Soybeans	After Corn	Soybeans	After Corn
ſ	Fertilizers	\$309	\$79	\$125	\$32
	Seed	\$301	\$188	\$122	\$76
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Operator and Land	Returns (excludes ARC/PLC) \$638	\$676	\$258	\$274
	Land Cost	s \$687	\$687	\$278	\$278

Farm debt continues to increase at commercial banks

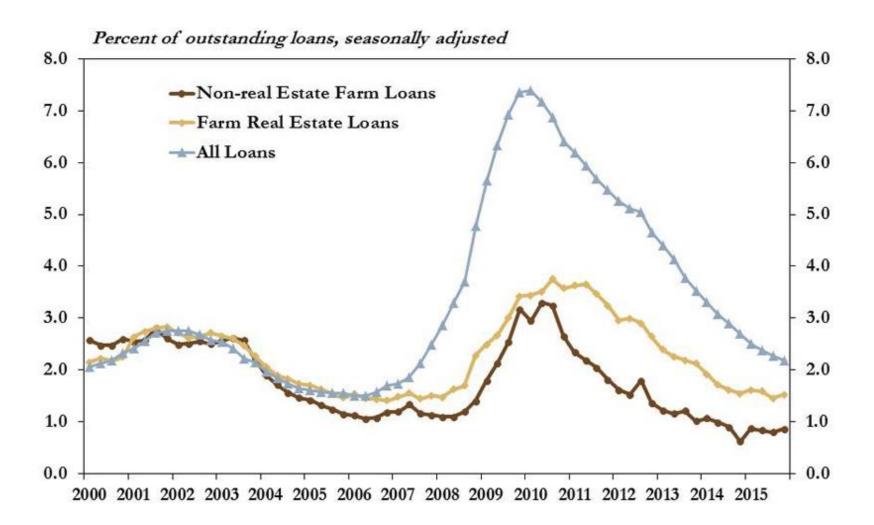
Percent change from previous year



Source: Federal Reserve Bank of Kansas City, Agricultural Finance Databook.

USDA United

Delinquency rates on farm loans up slightly

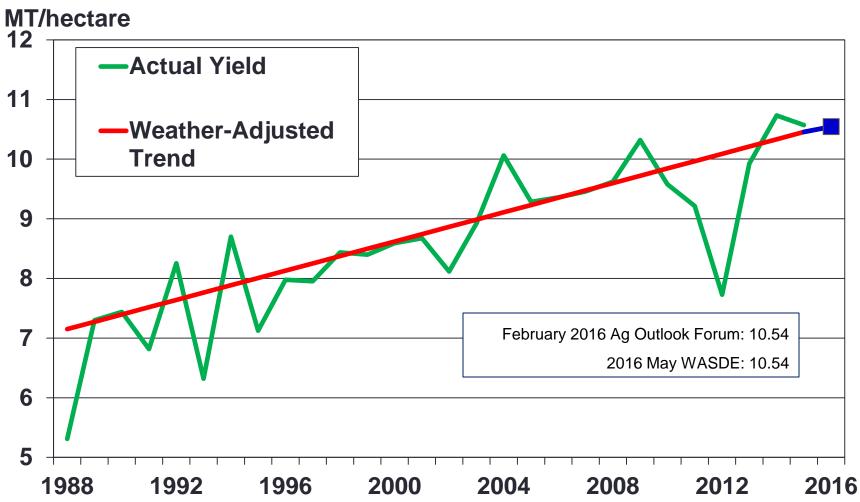


Source: Kauffman and Clark (2016), Ag Finance Databook.

Data: Federal Reserve Board of Governors.

		Per He	ctare	Per Acre	
	Co	rn After	Soybeans	Corn After	Soybeans
	S	oybeans	After Corn	Soybeans	After Corn
	Fertilizers	\$309	\$79	\$125	\$32
	Seed	\$301	\$188	\$122	\$76
	\$59	\$44	\$24	\$18	
	Other direct costs	\$217	\$114	\$88	\$46
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	Total non-land costs	\$1,364	\$867	\$552	<u>\$351</u>
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Revenue —	Crop Revenue	\$2,002	\$1,544	\$810	\$625
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	Insurance Proceeds	\$0	\$0	\$0	\$0
Operator and Land Re	eturns (excludes ARC/PLC)	\$638	\$676	\$258	\$274
	Land Costs	\$687	\$687	\$278	\$278

U.S. Maize Yield Weather-Adjusted Trend Yield vs. Actual



Source: USDA-NASS, World Agricultural Supply and Demand Estimates, June 10, 2016.

	Per He	ctare	Per Acre	
	Corn After		Corn After	Soybeans
	Soybeans	After Corn	Soybeans	After Corn
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Seed	l \$301	\$188	\$122	\$76
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ARC(PLC	\$74	\$74	\$30	\$30
Insurance Proceed	s \$0	\$0	\$0	\$0
Operator and Land Returns (excludes ARC/P	-C) \$638	\$676	\$258	\$274
Land Co	sts \$687	\$687	\$278	\$278

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	Corn After Soybeans	Soybeans After Corn	Corn After Soybeans	Soybeans After Corn
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Crop Insurance	\$59	\$44	\$24	\$18
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Insurance Proceeds	\$0	\$0	\$0	\$0
Operator and Land Returns (excludes ARC/PLC)	\$638	\$676	\$258	\$274
Land Costs	\$687	\$687	\$278	\$278

Breakeven rental rate

	Per Hectare		Per Acre	
	Corn After Soybeans	Soybeans After Corn	Corn After Soybeans	Soybeans After Corn
Fertilizers	\$309	\$79	\$125	\$32
	-	=		
Seed	\$301	\$188	\$122	\$76
Crop Insurance	\$59	\$44	\$24	\$18
Other direct costs	\$217	\$114	\$88	\$46
Machinery hire/lease, repair and depreciation	\$250	\$230	\$101	\$93
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Insurance Proceeds	\$0	\$0	\$0	\$0
Operator and Land Returns (excludes ARC/PLC)	\$638	\$676	\$258	\$274
Cash rent — Land Costs	\$687	\$687	\$278	\$278

Cash rental rates falling, but slowly

Illinois farmers scrutinize high cash rental rates

January 07, 2016 5:03 am • By Phyllis Coulter, Illinois Farmer Today CHAMPAIGN — Some of the rent Eastern Illinois farmer Keith Dalenberg pays is a little higher than he would like, but landowners aren't willing to take less right now.

Dalenberg, who grows corn and soybeans near Georgetown in Vermillion County, is carefully looking at rent and input costs as margins are tight. He attended the Eastern session of the 2015 Illinois Farm Economics Summit in Champaign in December where University of Illinois economists led the discussion about dealing with the current margin squeeze.

"Everybody would like the rents they pay to be less," he said.

Dalenberg has different kinds of agreements with landowners, including some cash rent and some

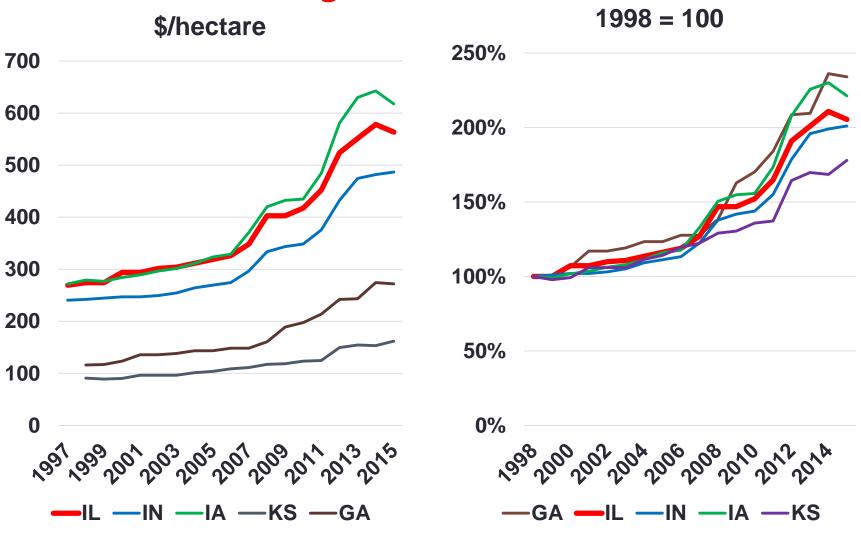


flexible leases. Some of his landlords are retired farmers, some are widows and others have never farmed.

He has been able to adjust some rental agreements to help him cope with the lower commodity prices, but not all.

USDA ...

Cash rental rates Whole State Average



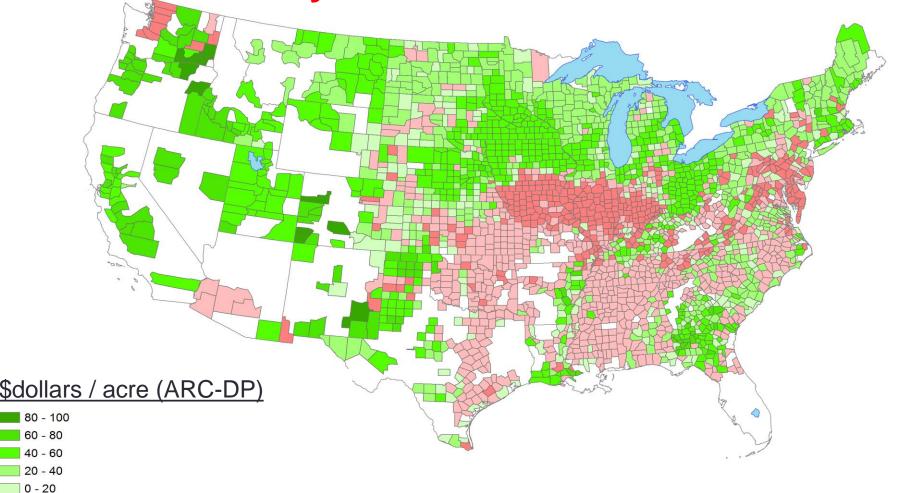


2014 Farm Bill elections and 2014 payments by base commodity

Election	ARC	PLC	ARC payments to date (mill)	PLC payments to date (mill)
Corn	93%	7%	\$3,711.511	\$0
Soybeans	93%	7%	\$317.282	\$0
Wheat	58%	42%	\$349.119	\$0
Long-grain rice	0%	100%	\$0.013	\$399.491
Peanuts	0%	100%	\$0.096	\$321.484

Source: USDA, Farm Service Agency. As of May 20, 2016

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

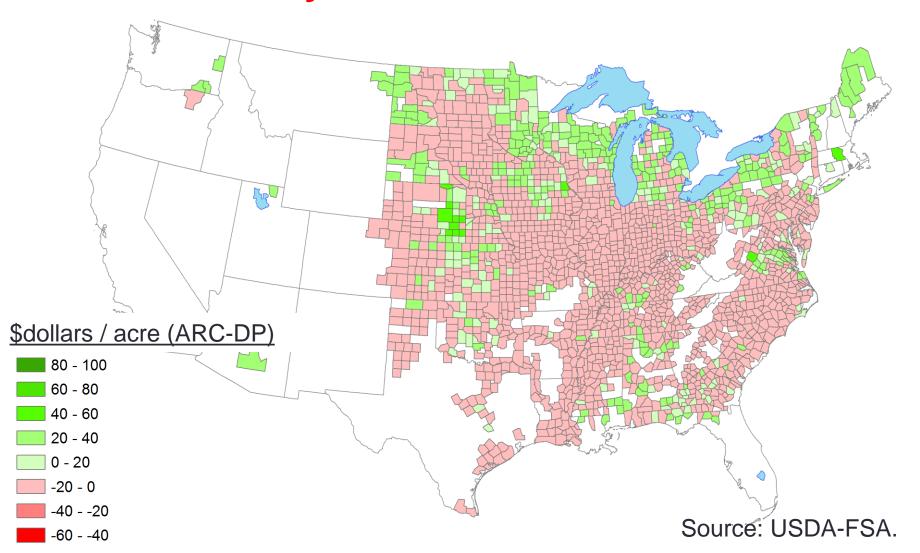


■ -40 - -20 ■ -60 - -40

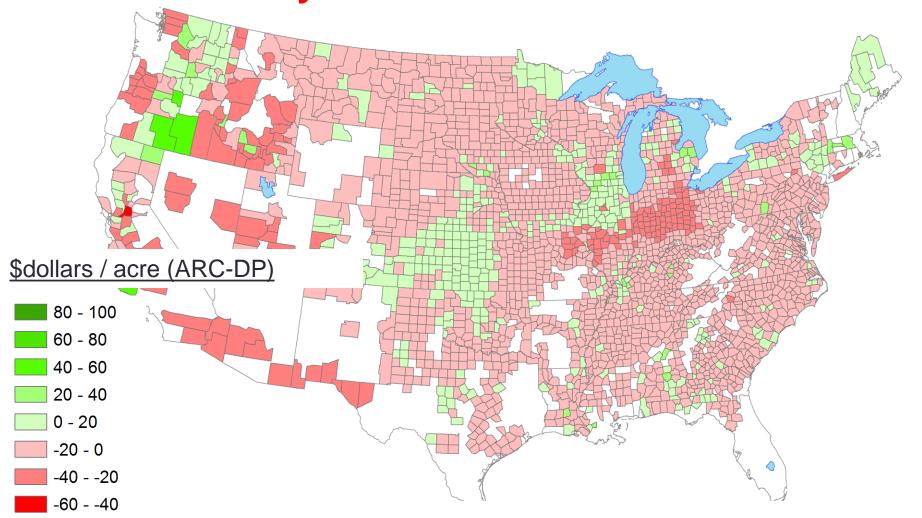
-20 - 0

Source: USDA-FSA.

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

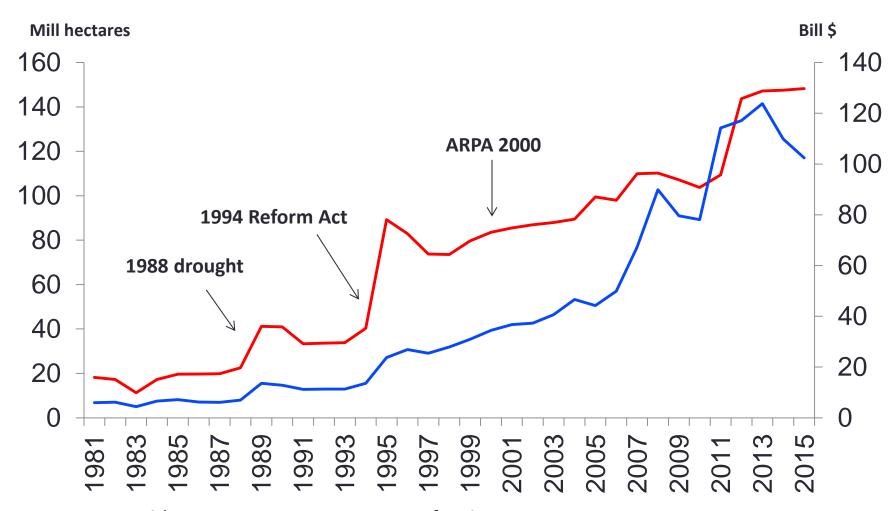


ARC-CO 2014 payment rates for wheat minus 2008 Direct Payment rates reflect effects of yield variations on revenue



Source: USDA-FSA.

Growth in the US crop insurance program

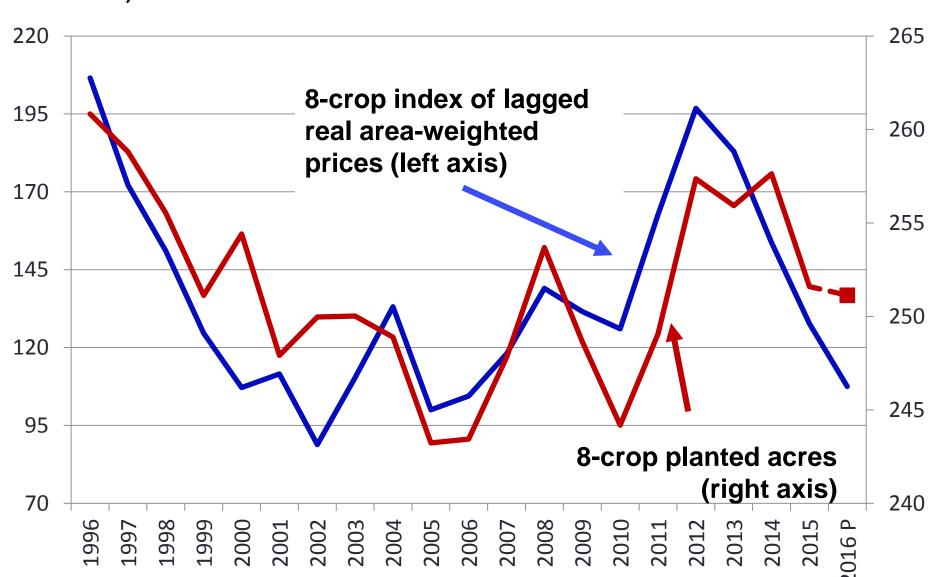


Source: USDA Risk Management Agency Summary of Business.

8-Crop Planting and Lag Prices

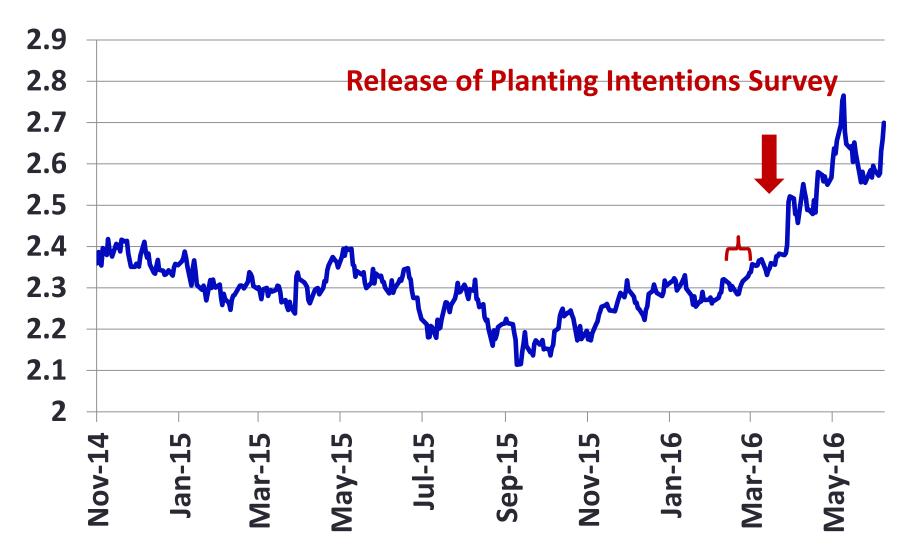


Million Acres Planted



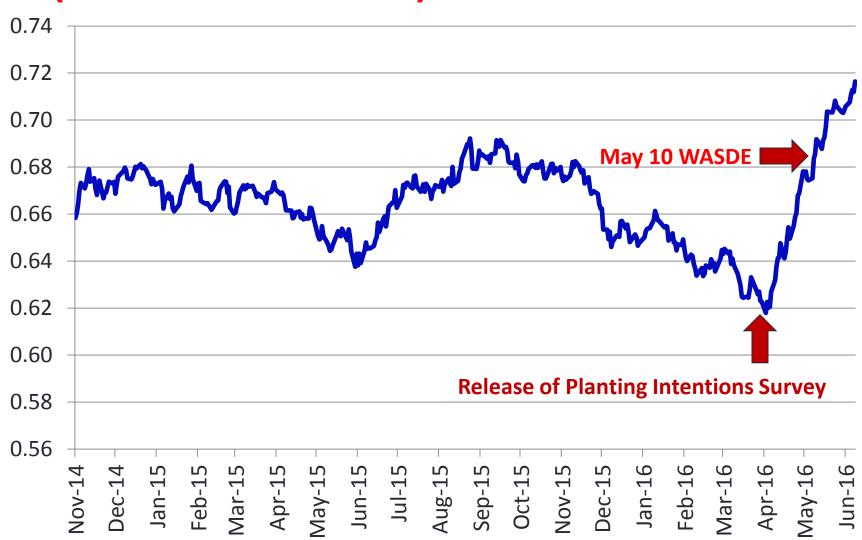
Source: NASS

Soybean/Corn Harvest-Time Futures Price Ratio



CME November Soybeans and December Corn

Meal Share of Soybean Value (December Futures)



CME December Soybean meal and oil

Conclusions

- Low price environment expected to continue at least in near term.
- US plantings will be driven by producers decisions on which crop will produce the best returns (or lowest losses).
- Borrowing is expected to increase; cash rents are expected to fall. This points to continued use of risk management tools and safety-net programs.
- Globally, we expect trade growth to continue, along with trade discussions, which will look to open new markets (e.g., TPP) and enforce existing rules (WTO).
- The most recent WASDE from last week shows record carry-out for wheat, but opportunities for corn and soybean marketing due to lower production in SA.

Thanks!

rjohansson@oce.usda.gov

Upcoming reports

• June 23-25 --- AMIS

June 30th --- Stocks and Acreage

July 1 --- CAIR

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http://www.usda.gov/oce/commodity/wasde/Secretary_Briefing.pdf

