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Outline

- Drought and Effect on Crop and Livestock Production
- > Farm Price Impact on Consumer Expenditures
- Policies Providing a Farm Safety-Net



Ripped from the Headlines ***

- Why lowa's drought is a global problem
 CNN Money.com August 9, 2012
- Severe Drought Seen as Driving Cost of Food Up

NY Times.com - July 25, 2012

 Historic drought to bring higher food prices, experts say

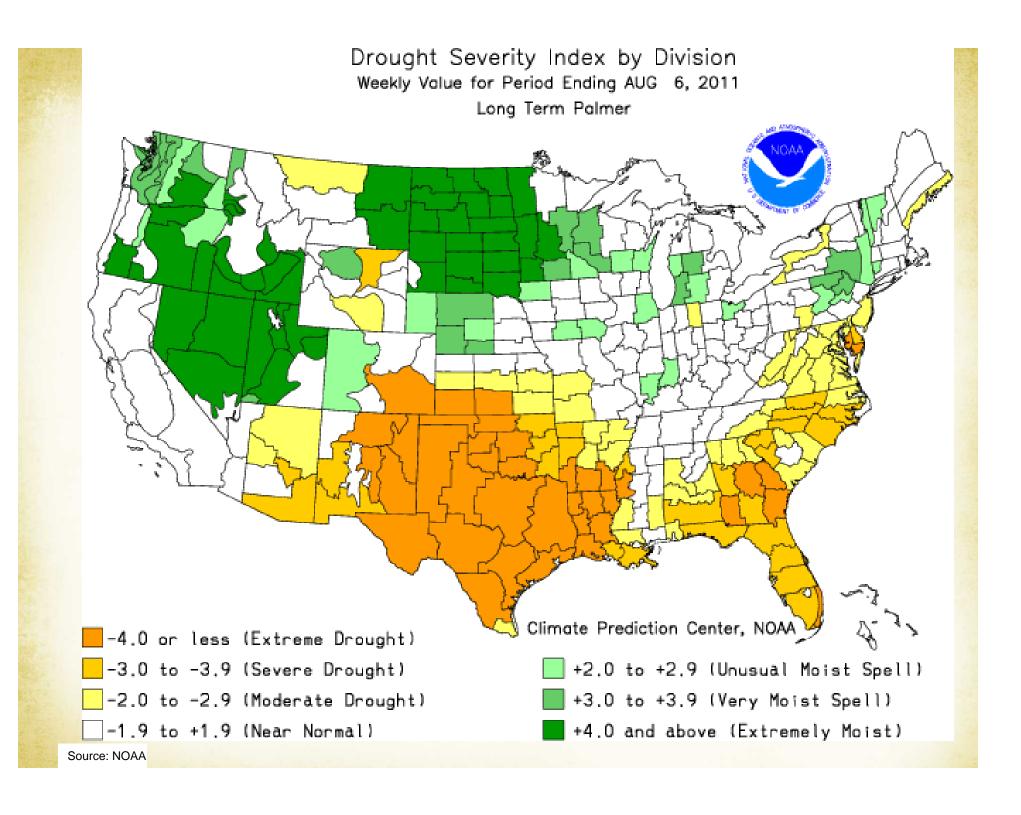
Fox News.Com - July 17, 2012

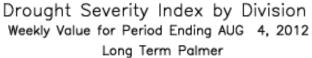


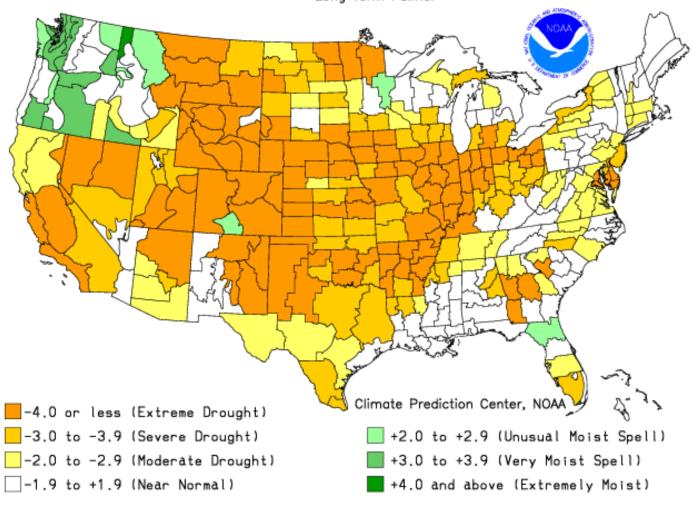


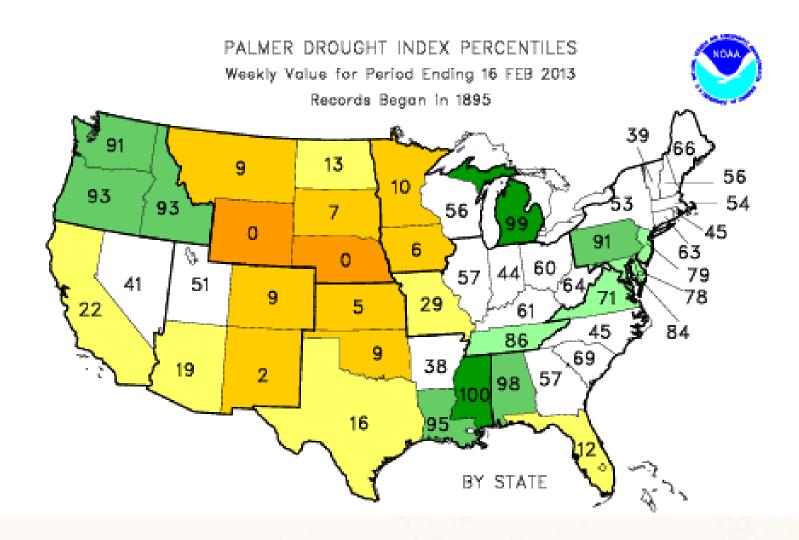
For Some States, 2013 could be the Third Consecutive Drought Year





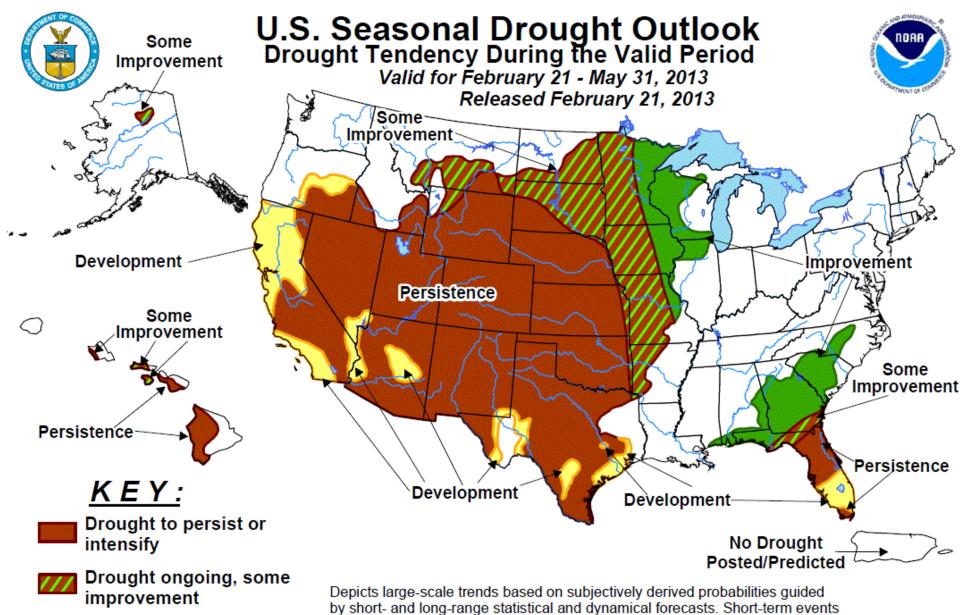






* Wyoming and Nebraska facing worst drought in 117 years





Drought likely to improve,

Drought development

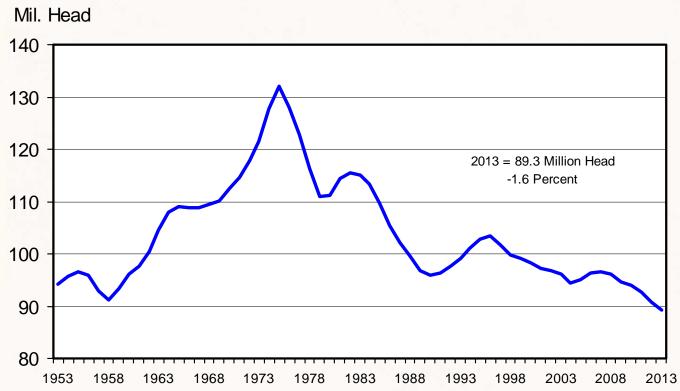
impacts ease

likely

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor. NOTE: the green improvement areas imply at least a 1-category improvement in the Drought Monitor intensity levels, but do not necessarily imply drought elimination.

JANUARY 1 TOTAL CATTLE INVENTORY

U.S., Annual



Livestock Marketing Information Center

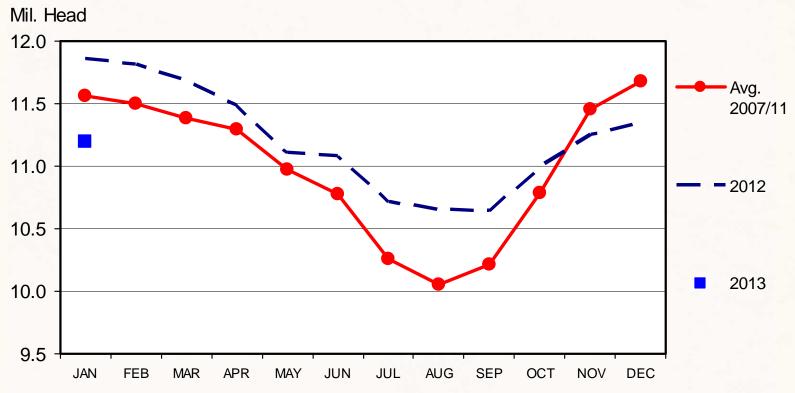
Data Source: USDA-NASS

C-N-01 02/04/13



CATTLE ON FEED

US Total, Monthly



Livestock Marketing Information Center

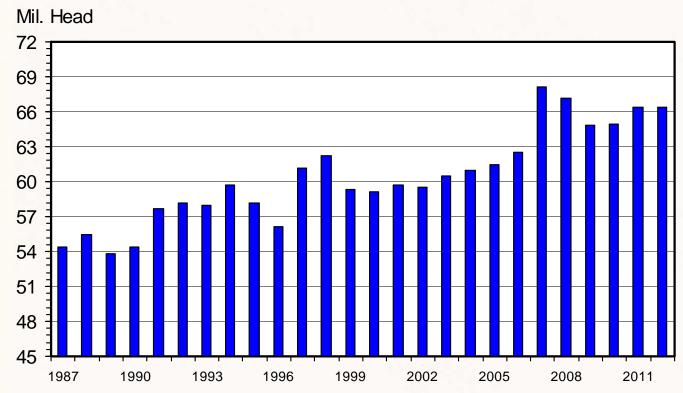
Data Source: USDA-NASS

C-N-10 01/26/13



DECEMBER 1 ALL HOGS AND PIGS

U.S. Inventory



Livestock Marketing Information Center

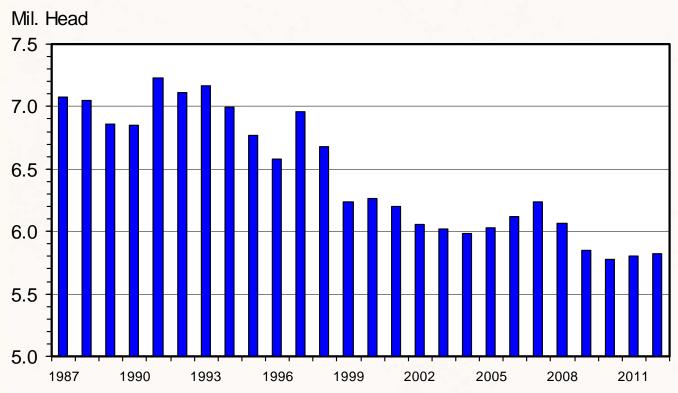
Data Source: USDA-NASS

H-N-08 12/28/12



DECEMBER 1 HOG BREEDING HERD

U.S. Inventory



Livestock Marketing Information Center

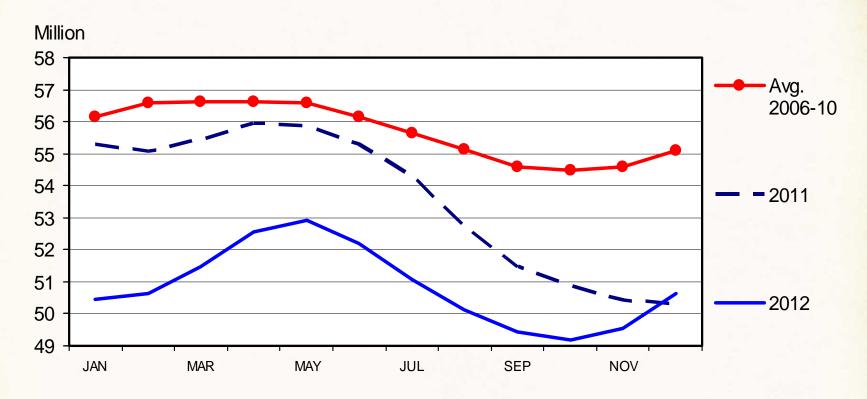
Data Source: USDA-NASS

H-N-09 12/28/12



BROILER-TYPE HATCHING LAYERS

Average Number On Hand During Month



Livestock Marketing Information Center

Data Source: USDA-NASS

01/24/13



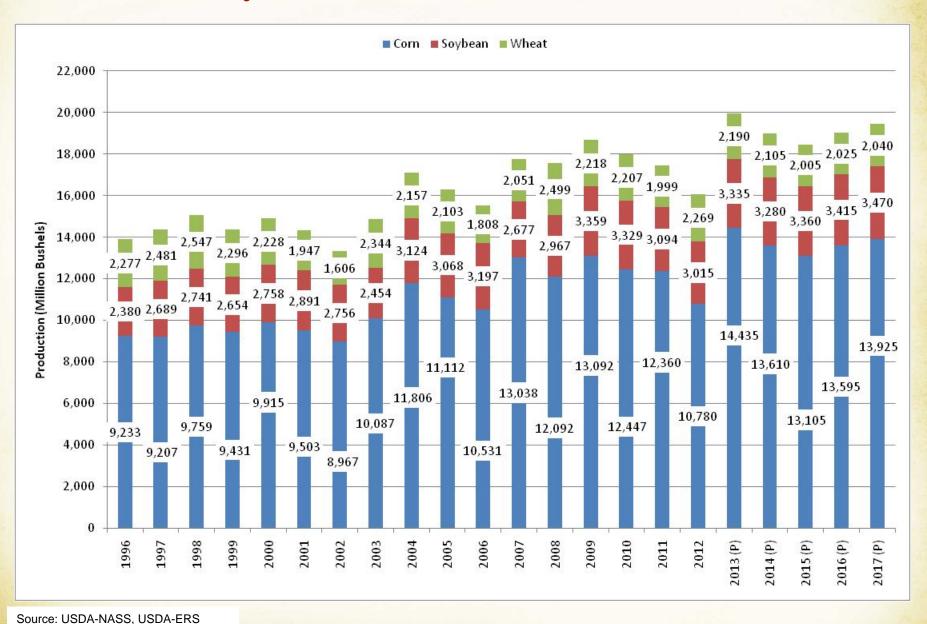
2013 Winter Wheat Seedings

	2012	2013	Change	February 16, 2013
	Th	ousand Ad	cres	- Drought Percentile
U.S. Winter Wheat	41,324	41,820	+496	
Kansas	9,500	9,300	-200	5th
Texas	5,700	5,800	+100	16th
Oklahoma	5,400	5,500	+100	9th
Colorado	2,350	2,200	-150	9th
Montana	2,300	2,100	-200	9th
Washington	1,700	1,650	-50	91st
Nebraska	1,380	1,480	+100	0
South Dakota	1,320	1,200	-120	7th
Missouri	790	1,000	+210	29th

About 21.78 million Acres seeded in states with 10th Percentile or less (52% of Winter Wheat Seedings)



Corn, Soy and Wheat Production from 1996-2017 (P)



Biological Lag of Rebuilding Herds / Flocks

BROILERS = 9 MONTHS



Although the response time for chicken is the fastest of the major proteins, it still takes nine months to alter supply once a decision has been made to increase or decrease production.

HOGS = 20 MONTHS

Gilt to Sow	1	Gestation	/	Wean	Nursery	/	Finish	1
8 Months		4 Months		1 Month	2 Months	/	4.5 Months	

Hog producers need about 20 months to alter supply once a decision has been made to increase or decrease production.

CATTLE = 39 MONTHS



Cattle producers need about 39 months to alter supply once a decision has been made to increase or decrease production. At more than three years, cattle production has the slowest response time of the three major proteins.







How do Farm Prices Impact Consumers' Food Expenditures?









How have the farm and marketing shares changed over time?

	Avg	1993 to 2010
Farm share	16.1	
Marketing share	83.9	

Source: USDA: ERS

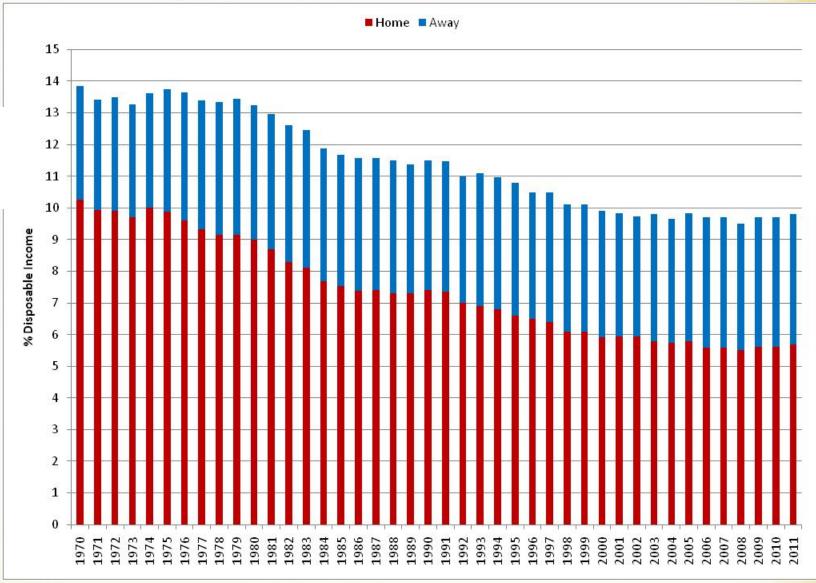


Since 1993, Farm & Agribusiness share of the food dollar has declined from \$0.145 to \$0.101 with an average of \$0.124



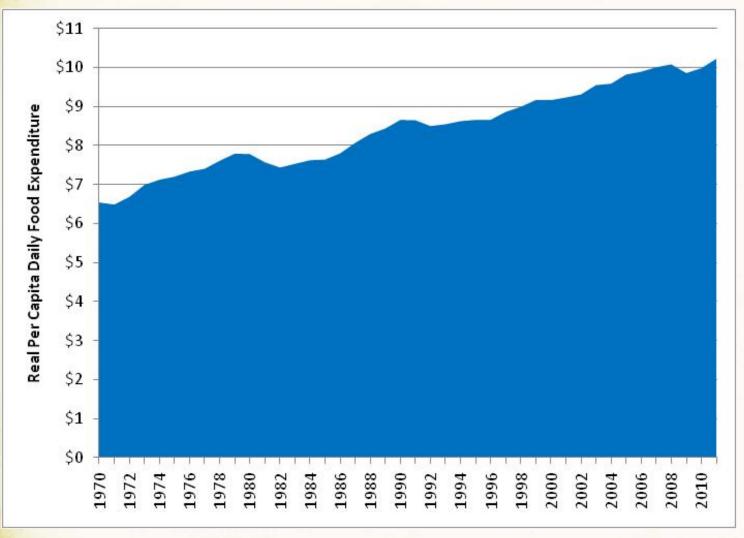
% of Disposable Income Spent on Food





Source: USDA: ERS

Per Capita Daily Food Expenditures (2005 Dollars)



1970: \$6.54/day

2011: \$10.22/day



Source: USDA: ERS

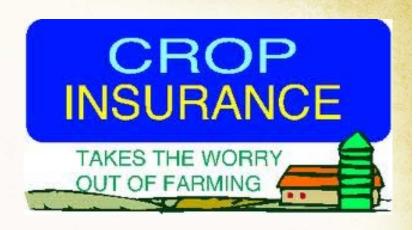
% of Household Expenditures on Food Worldwide

	% Household Expenditures		
	Spent on Food in 2011		
United States	6.7		
Egypt	43.6		
Ukraine	38.2		
Russia	31.2		
Mexico	22.7		
China	21.3		
Argentina	21.2		
Brazil	15.9		
Japan	14.7		
Canada	9.7		

US has Lowest Expenditures of 84 countries







Risk Management Tools to Help Farmers Continue to Produce







Example: Return over Variable Costs with RP Insurance for an Iowa Corn Farm

Harvest Price = \$4.03						
Harvested Yield	ROVC	RP	Total			
171	\$9	\$191	\$200			
162	-\$27	\$227	\$200			
153	-\$63	\$263	\$200			
144	-\$100	\$299	\$200			
135	-\$136	\$336	\$200			
126	-\$172	\$372	\$200			
117	-\$208	\$408	\$200			

Note: APH Yield = 180 bpa; Projected Price = \$5.75; 85% Coverage Level

Variable Costs = \$405/acre and Cash Rent = \$276/acre



Policies Providing a Safety-Net

- Crop Insurance is the Foundation for a Farmer's safety-net
- A new Farm Bill will provide policy certainty to producers, lenders, and other participants in the supply chain
- Given the drought maps, would you invest \$681/acre in corn without the security provided by crop insurance?



Summary

- Farmer's share of the food dollar is small and declining
- Drought impact on livestock sector is significant and often over-looked by media
- When U.S. returns to near-trend yields and stocks rebuild, poultry and pork have capacity to expand faster than beef
 - Relatively more expensive beef than pork/chicken
 - Loss of beef market-share



Thank You for Your Attention!

