



informa economics
an AGRA informa company

Meat Protein Issues and Outlook

NOPA 80th Annual Meeting

February 10, 2009

Presentation Outline

- Global Meat Production & Trade
- US Total Meat/Poultry Situation
- US Pork Industry Situation and Outlook
- US Cattle and Dairy Industry Situation/Outlook
- US Broiler Industry Challenges and Outlook
- Things to Watch Out For
- Implications to Soybean Industry

Global Meat and Poultry Outlook

Global Meat/Poultry Production (000mt cwe)

	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>%</u>	<u>2010</u>	<u>%</u>
Beef	59.0	59.3	58.8	-0.8	58.0	-1.4
Pork	94.7	96.7	97.0	+0.3	97.0	0.0
Poultry	73.3	77.3	76.5	-1.0	77.0	+0.7
Total	227.0	233.3	232.3	-0.4	232.0	-0.1

Global Meat and Poultry Outlook

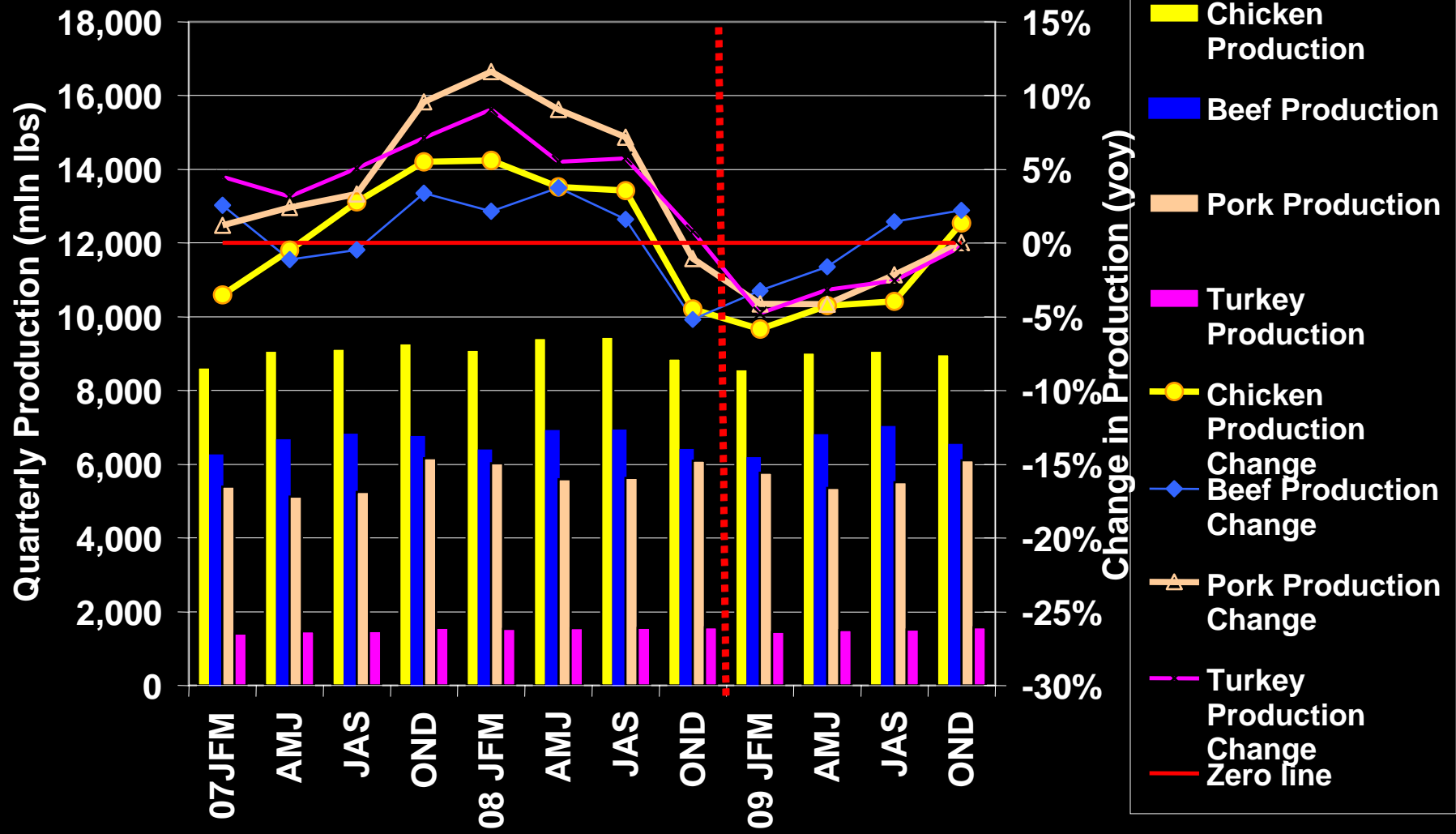
Global Meat/Poultry Trade (000mt cwe)

	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>%</u>	<u>2010</u>	<u>%</u>
Beef	7.72	7.73	7.87	+1.8	7.90	+0.4
Pork	5.16	6.18	6.00	-2.9	6.15	+2.5
Poultry	7.91	8.76	8.50	-3.0	8.75	+2.9
Total	20.8	22.7	22.4	-1.3	22.8	+1.8

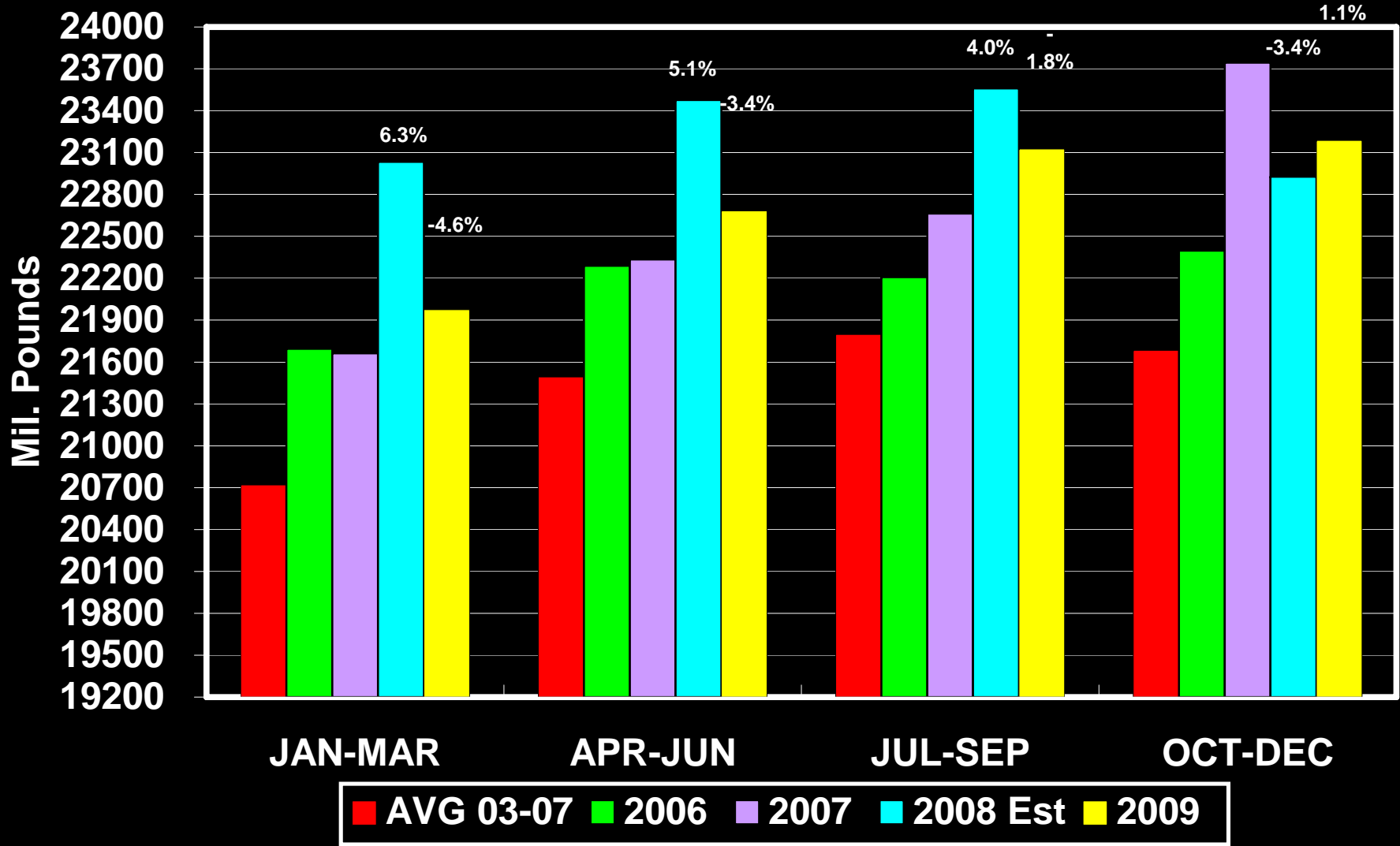
US Meat & Poultry-State of Affairs

- 2008 was a year of financial stress in meat sector
- Sharply higher feed costs pushed COP's up
- Strong dollar reduced US export competitiveness
- Large meat & poultry supplies pressured sales prices
- Economic meltdown reduced global meat demand
- US recession reduced US meat demand
- Food Service Sector in US contracting

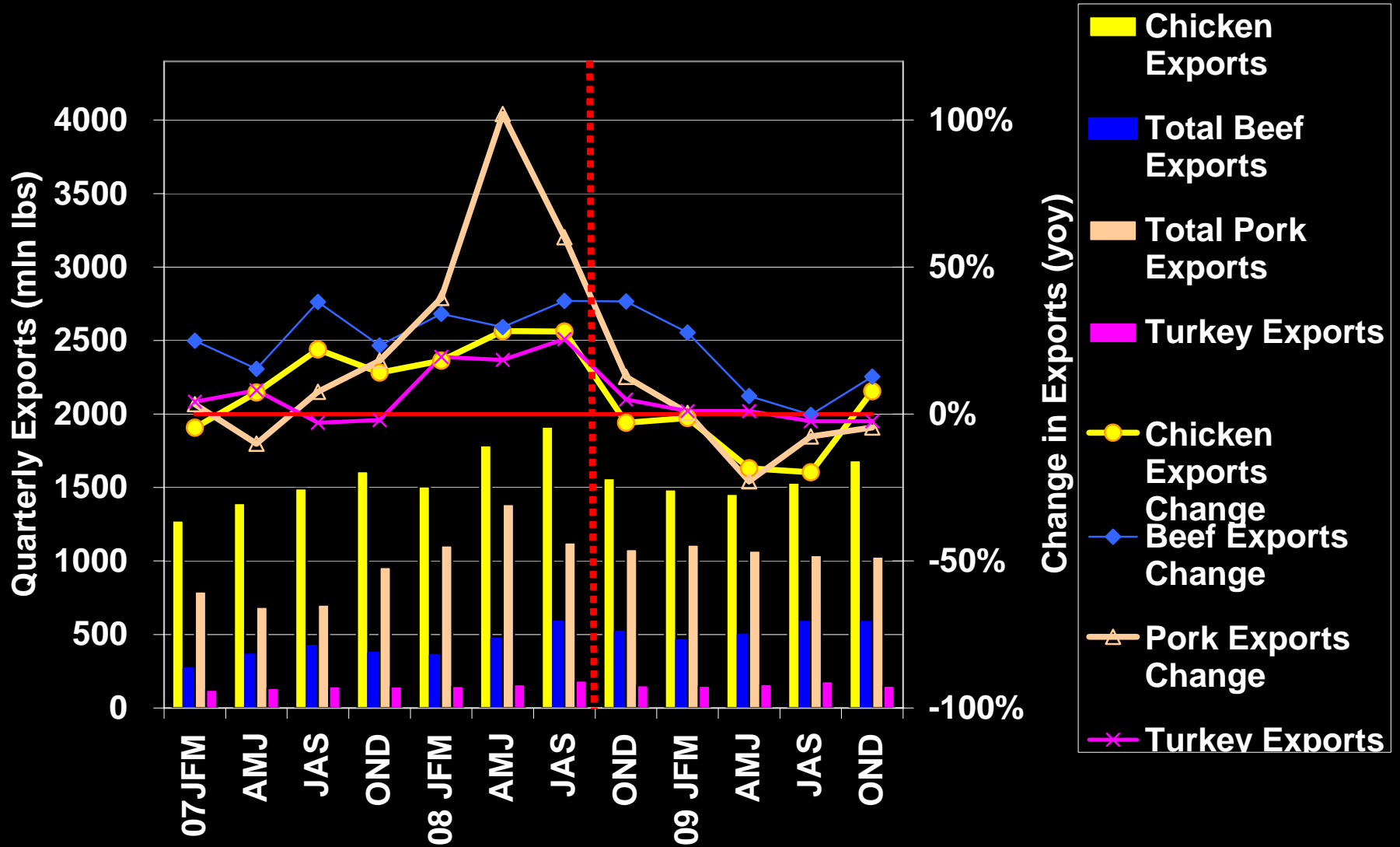
US Meat Production, Quarterly



Total Meat Production Beef, Pork, Broiler, Turkey

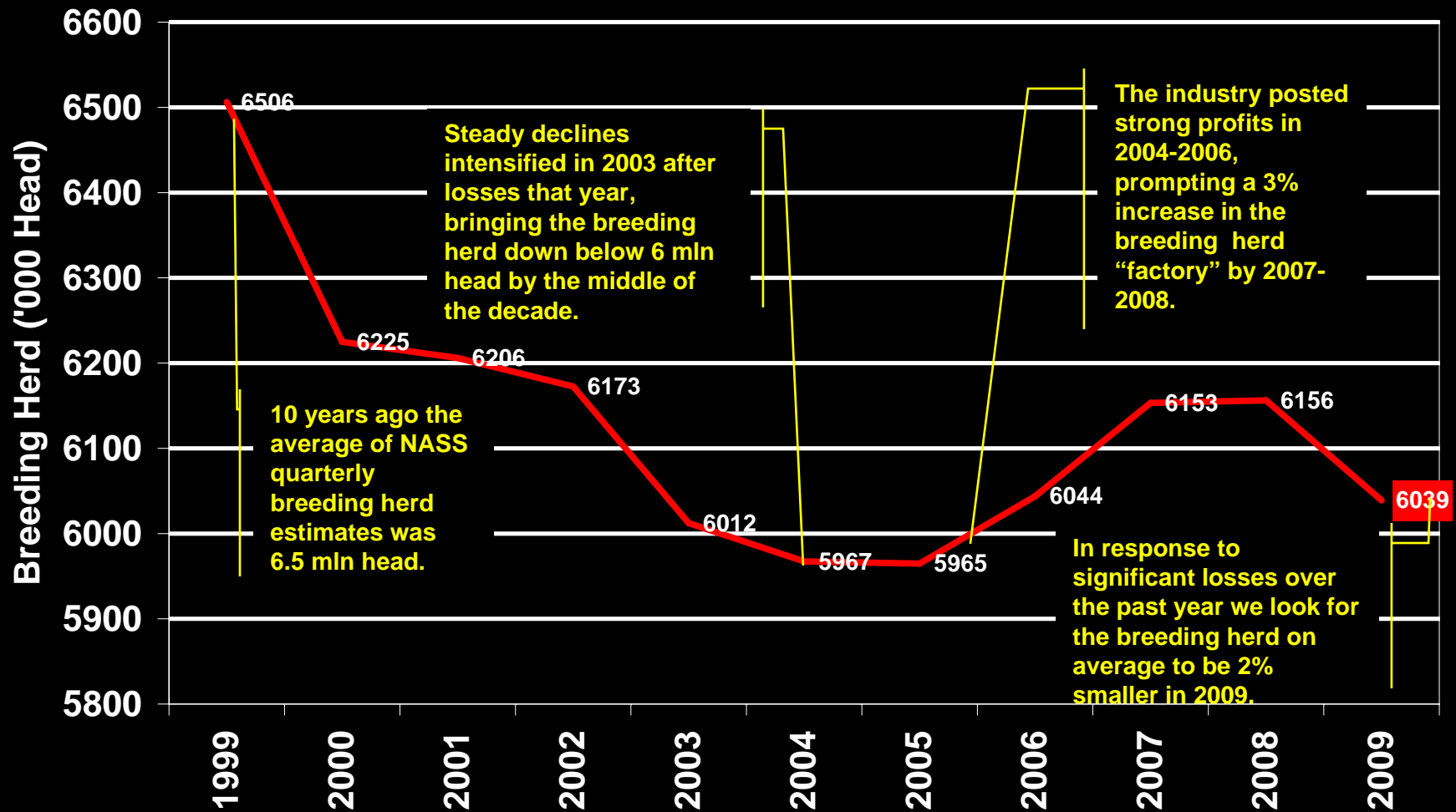


US Meat Exports, Quarterly

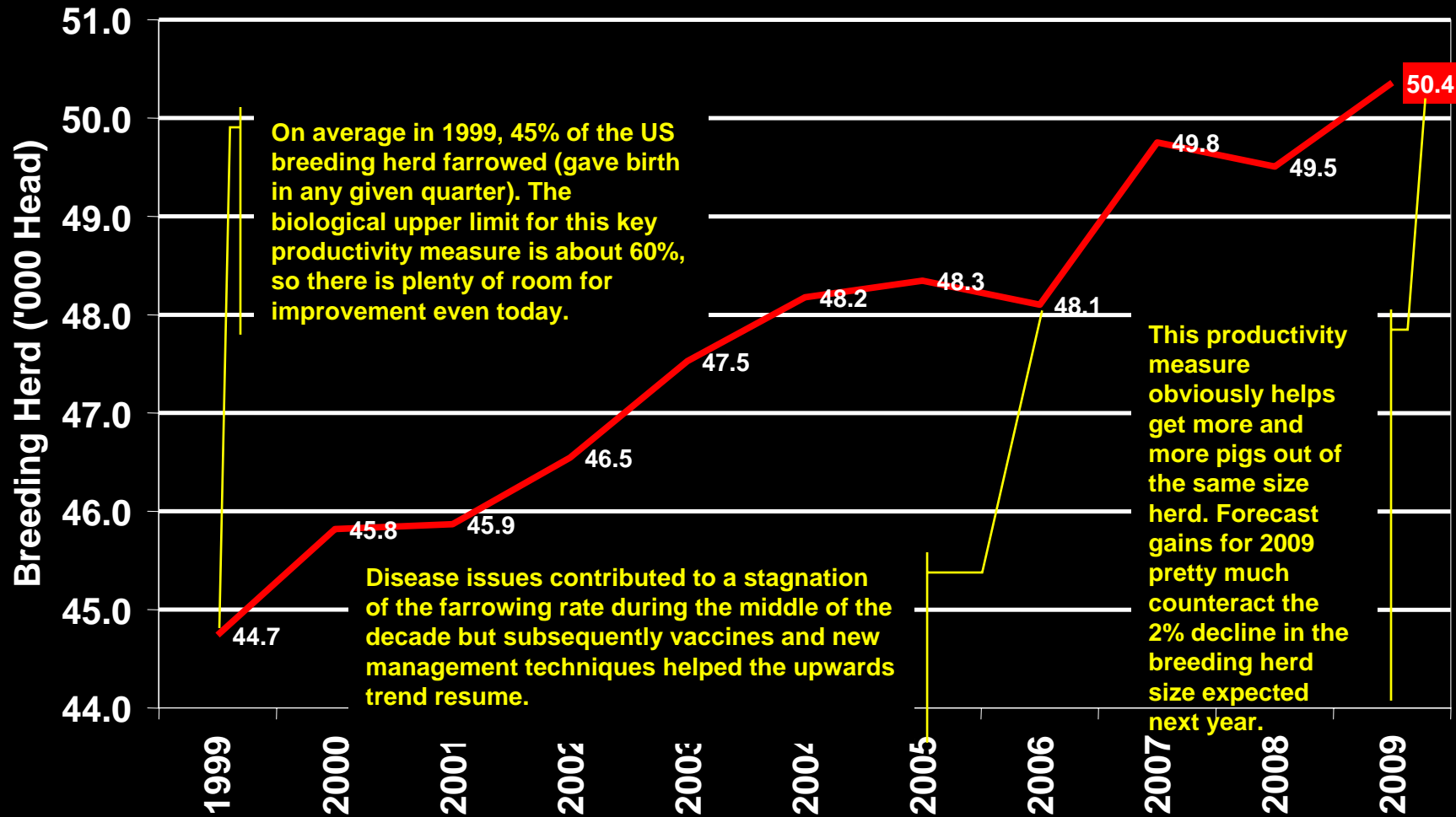


US Pork Industry Situation and Outlook

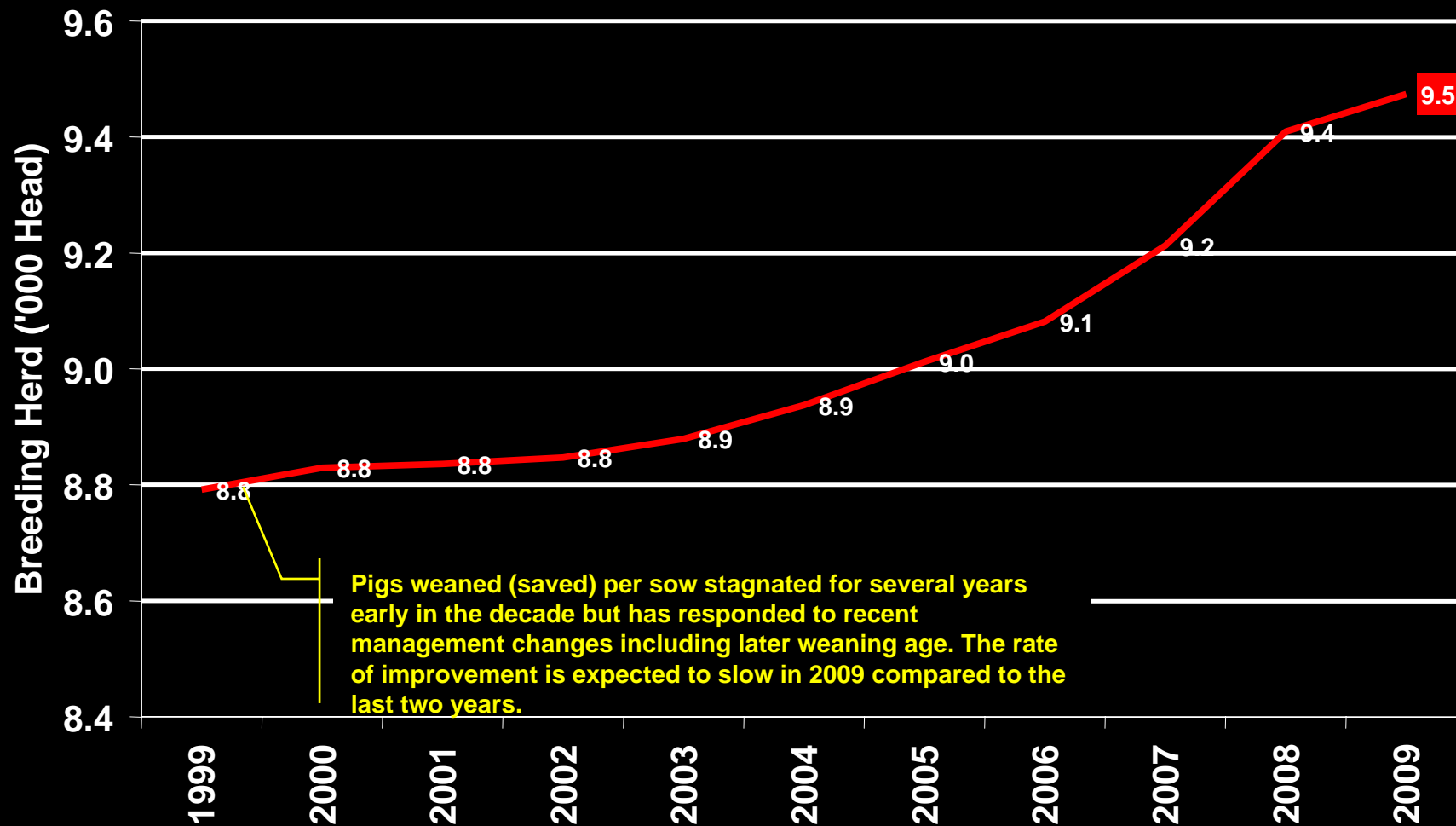
Average US Swine Breeding Herd Size with 2009 Forecast



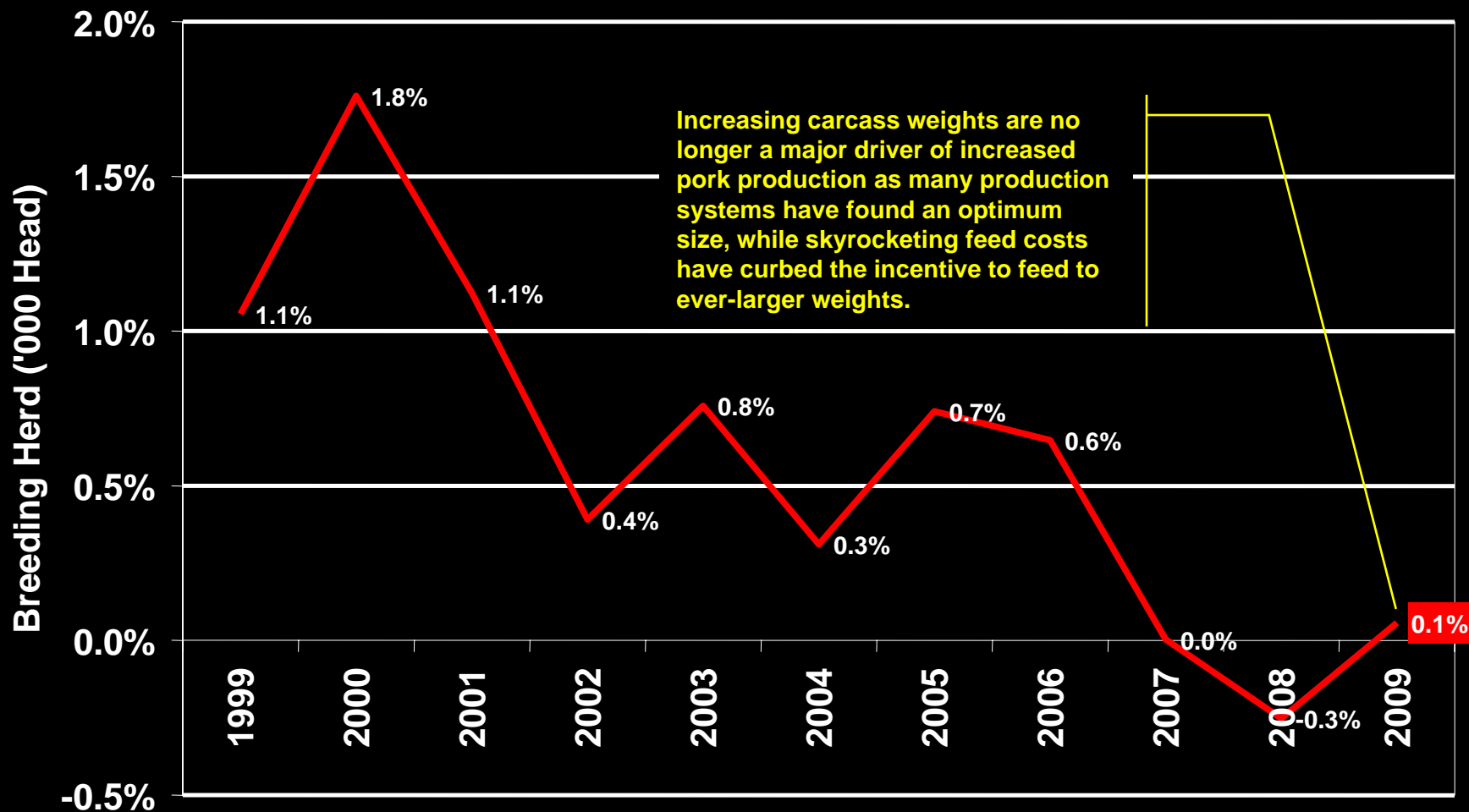
Average % of Sows Farrowing Quarterly with 2009 Forecast



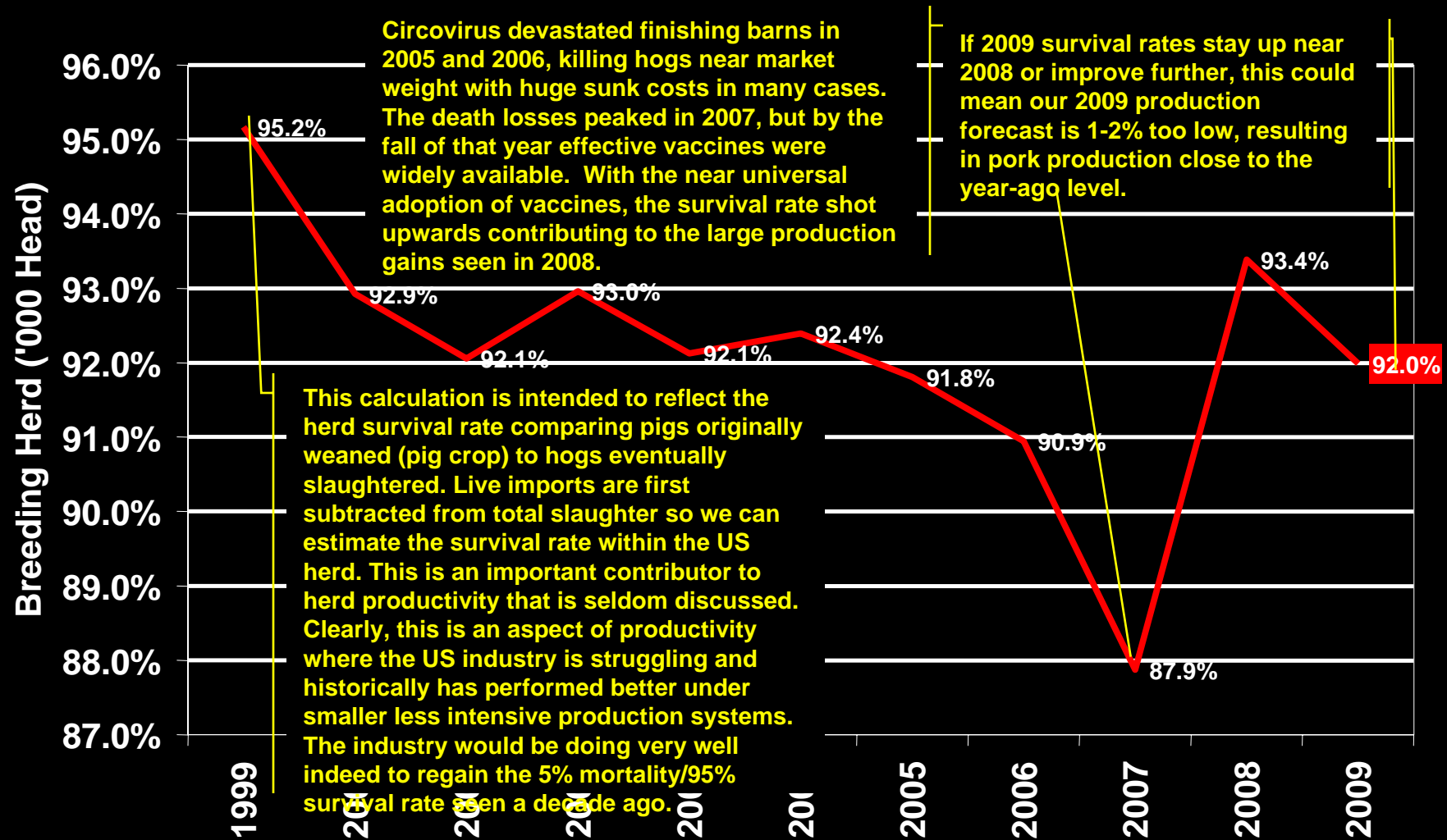
Average US Pigs Per Litter with 2009 Forecast



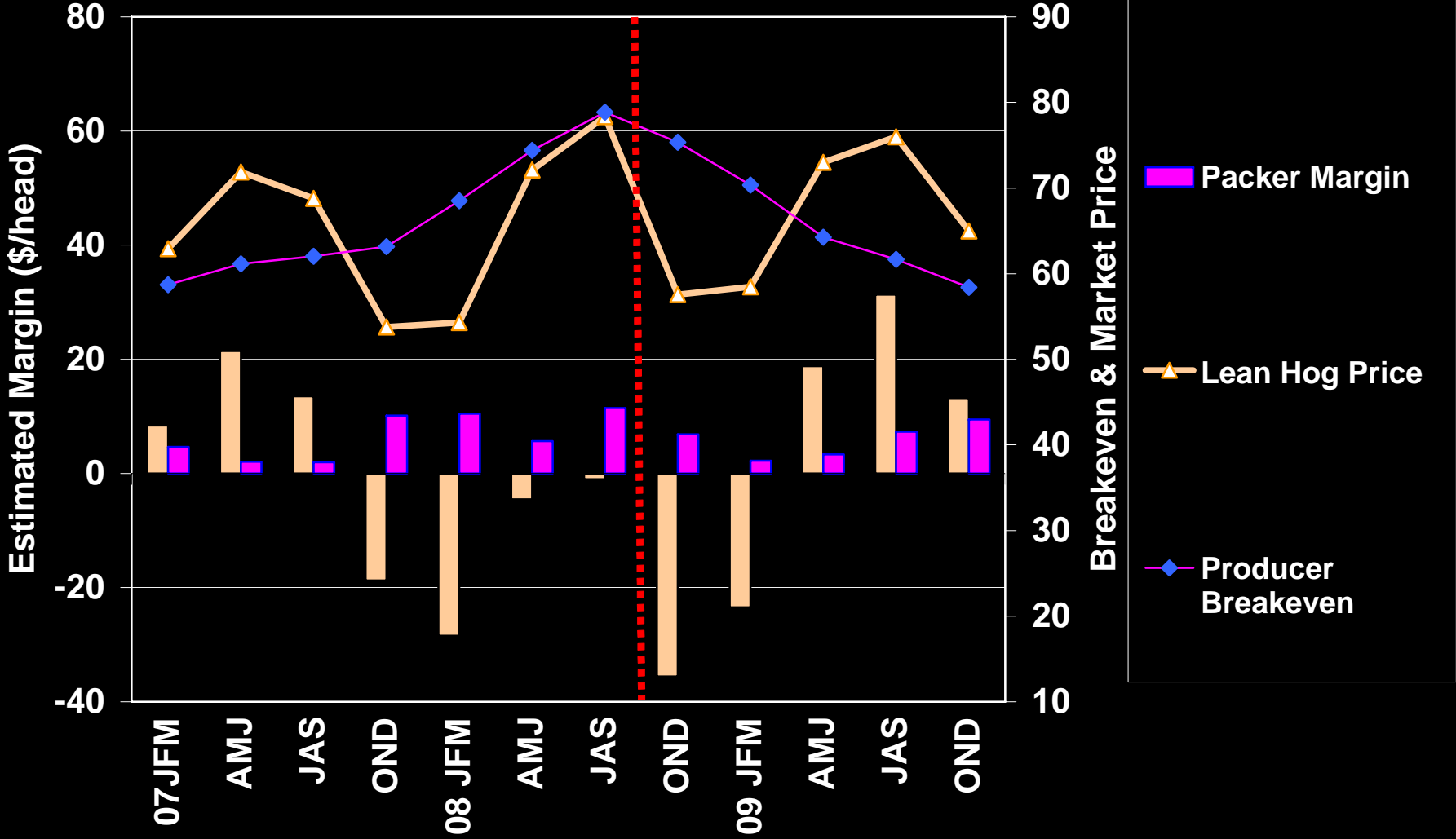
Average US Carcass Weight Change with 2009 Forecast



US Pigs Slaughtered/Pigs Weaned (Survival Rate) with 2009 Forecast

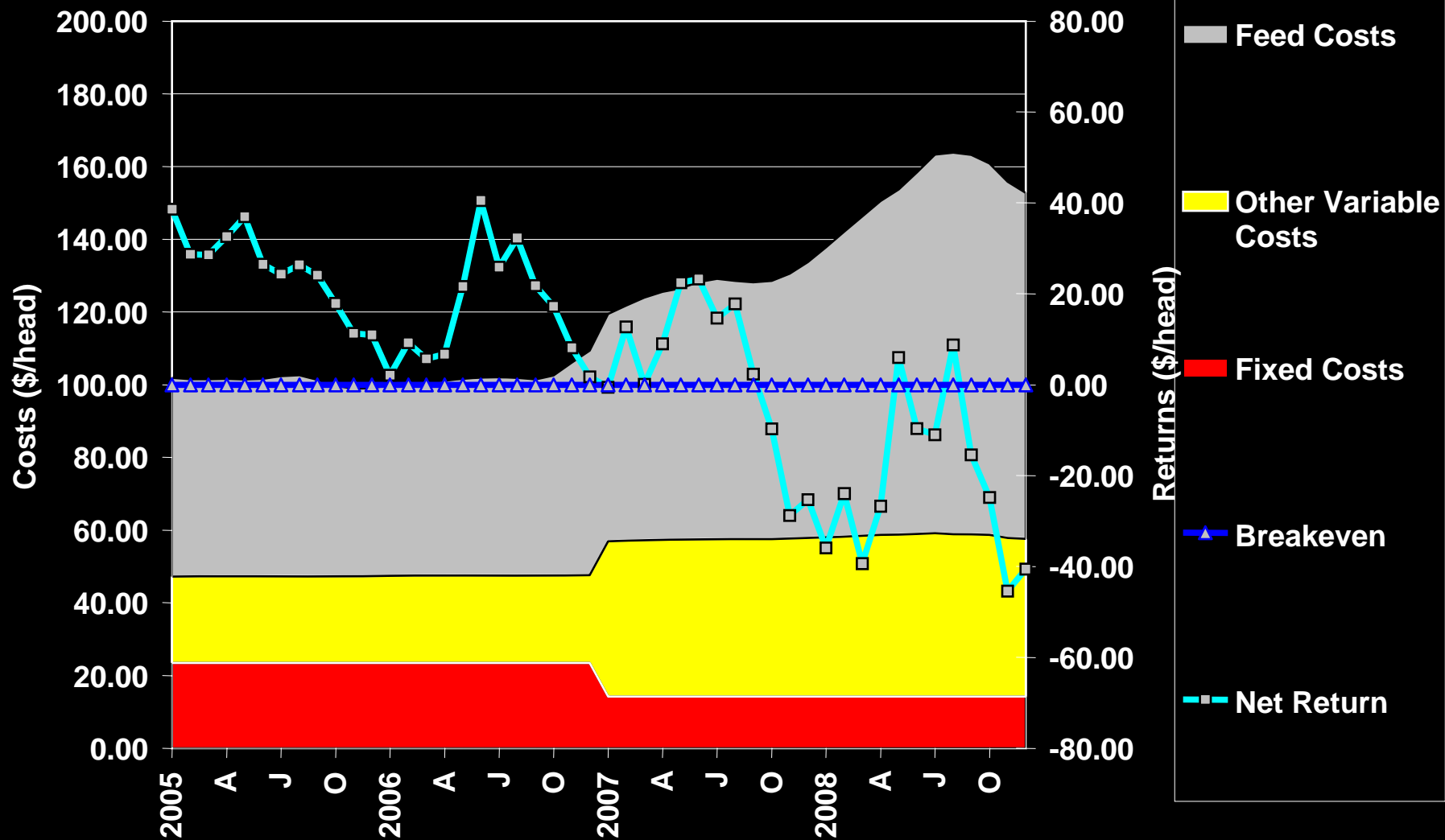


Pork Industry Margins, Quarterly (Informa Estimates)

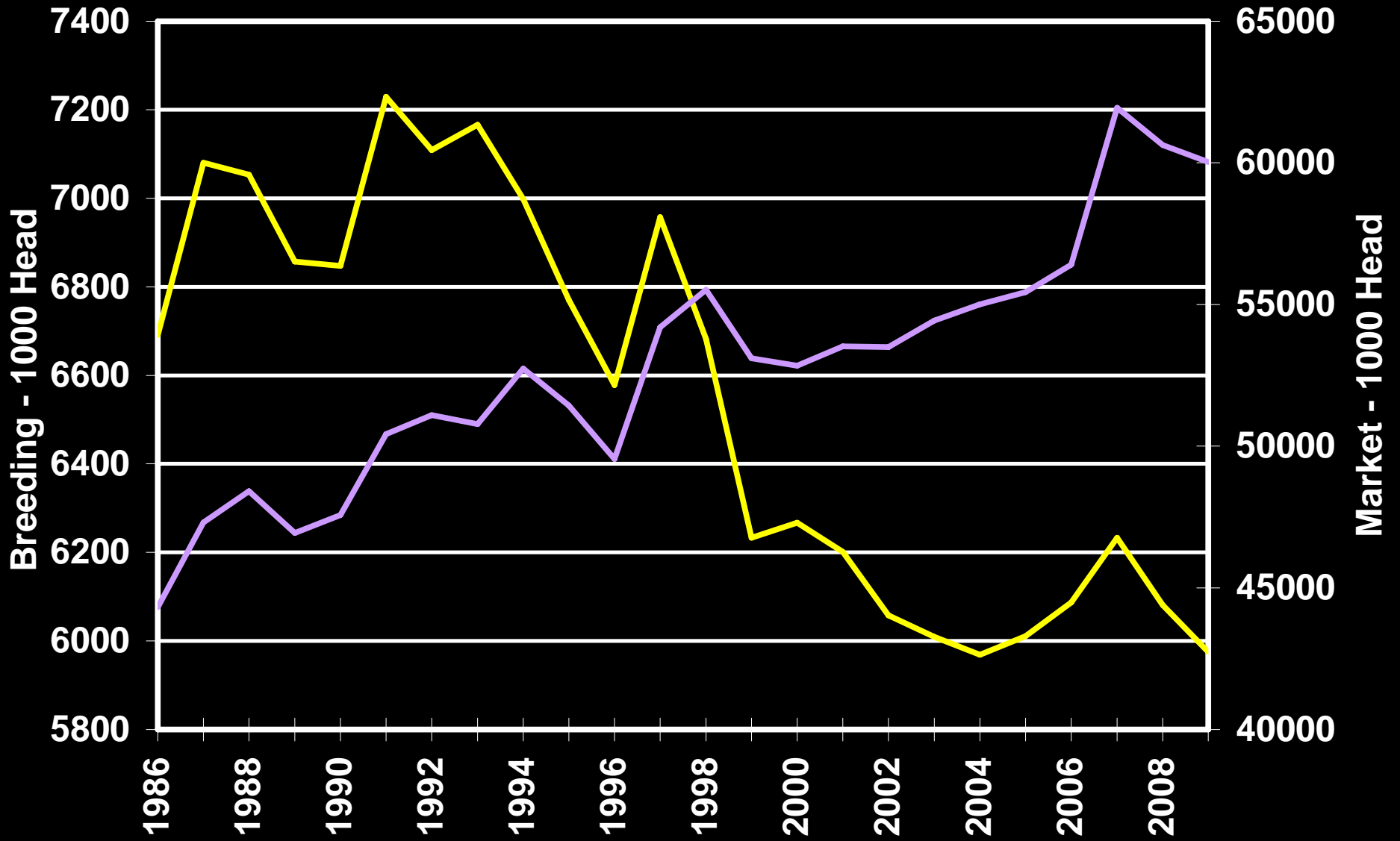


Iowa Farrow Finish Hog Returns

Source: Iowa State

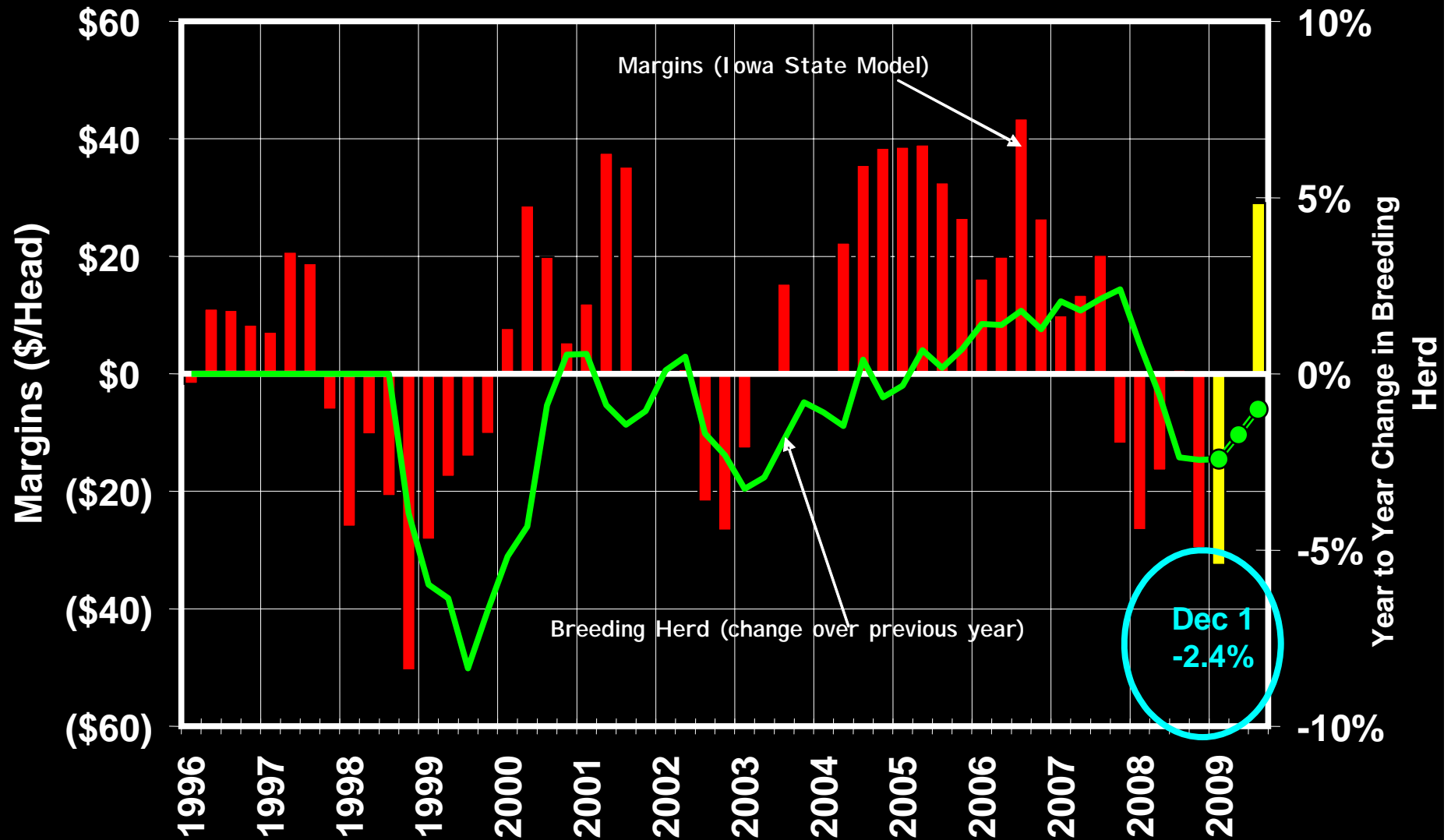


DECEMBER 1 U.S. HOG INVENTORY



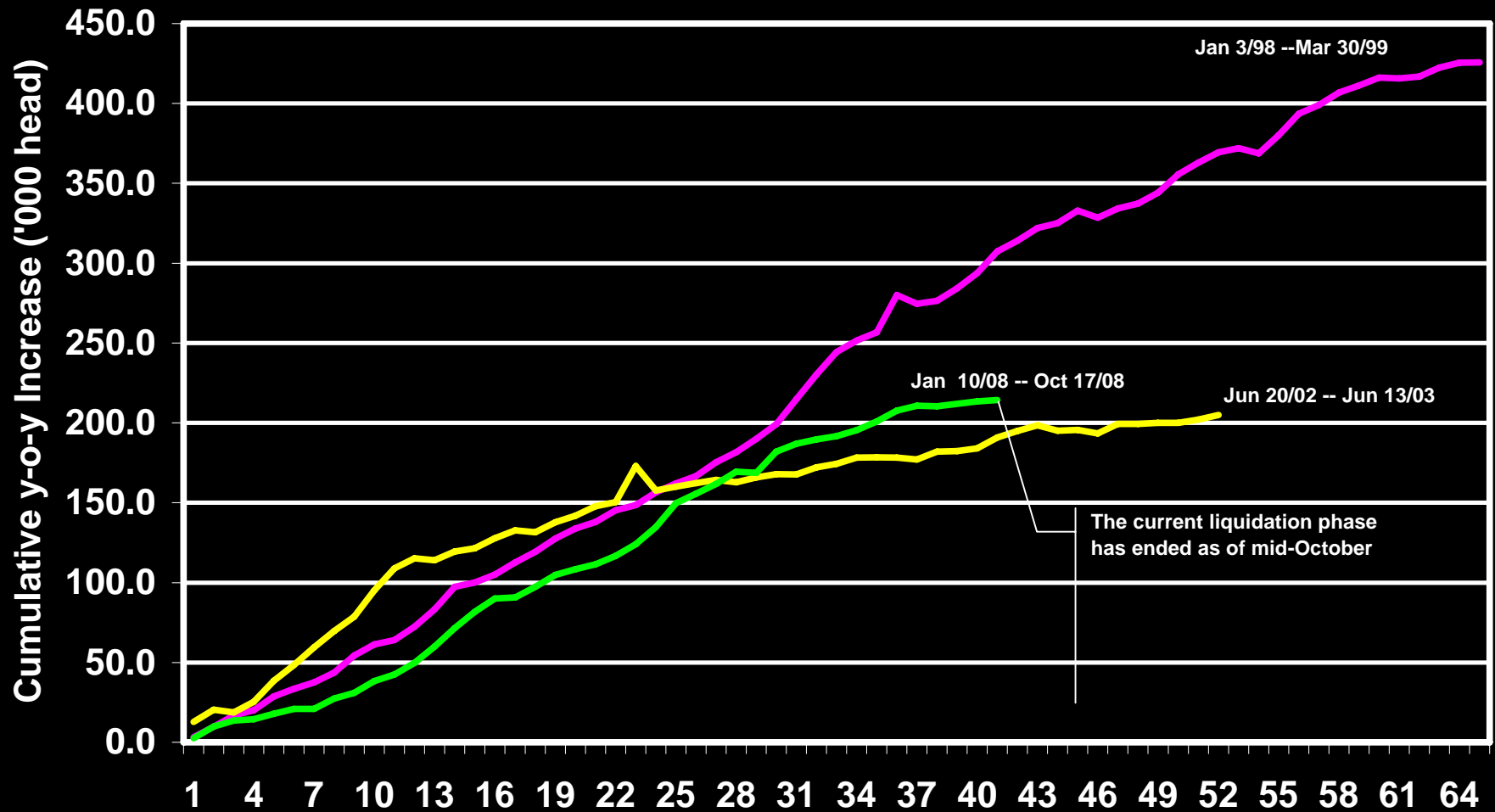
— Breeding — Market

Breeding Herd Vs Farrow-Finish Margins--Hogs Quarterly, 1996-2009F

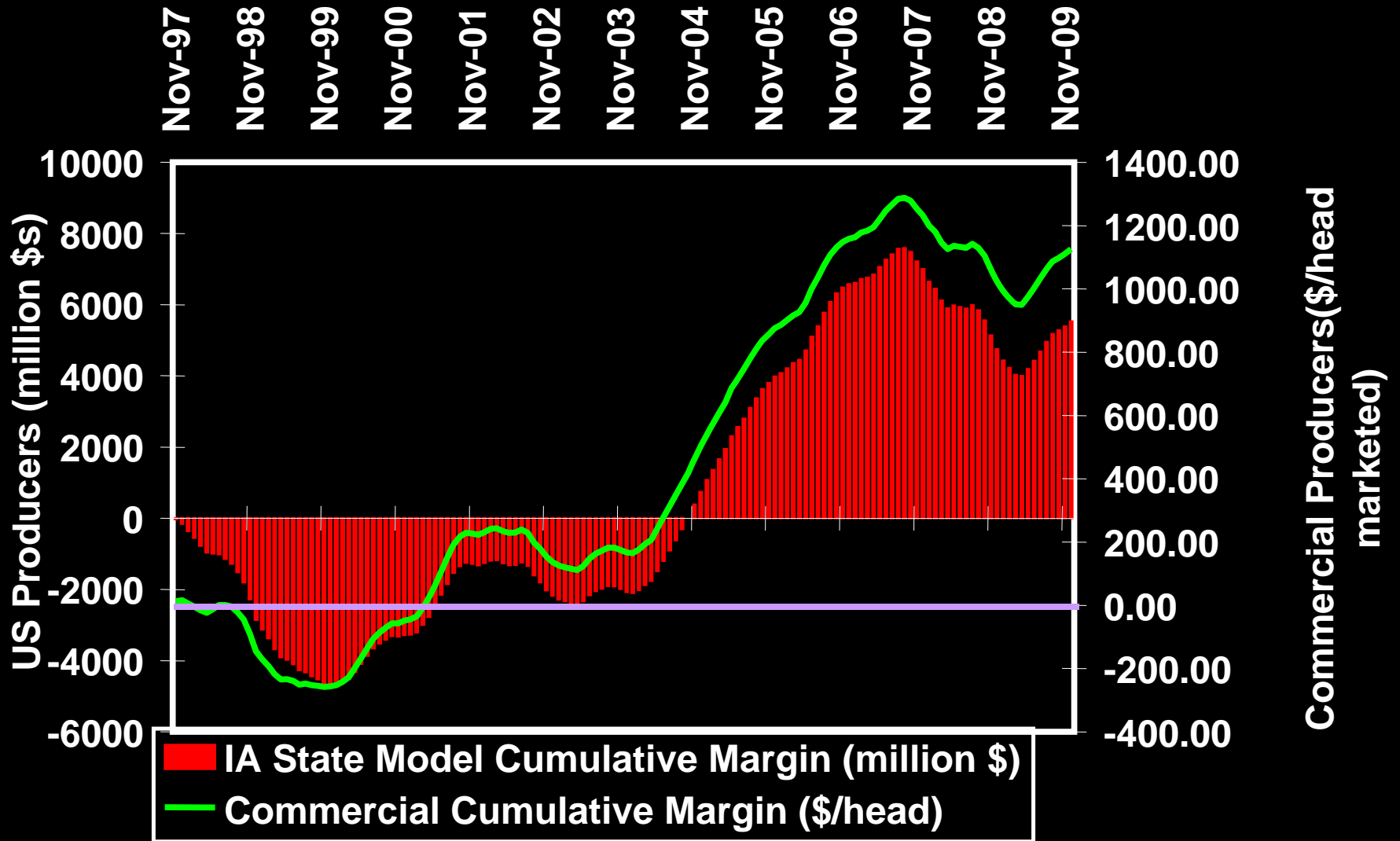


■ Margin — Breeding Herd ● informa Estimate

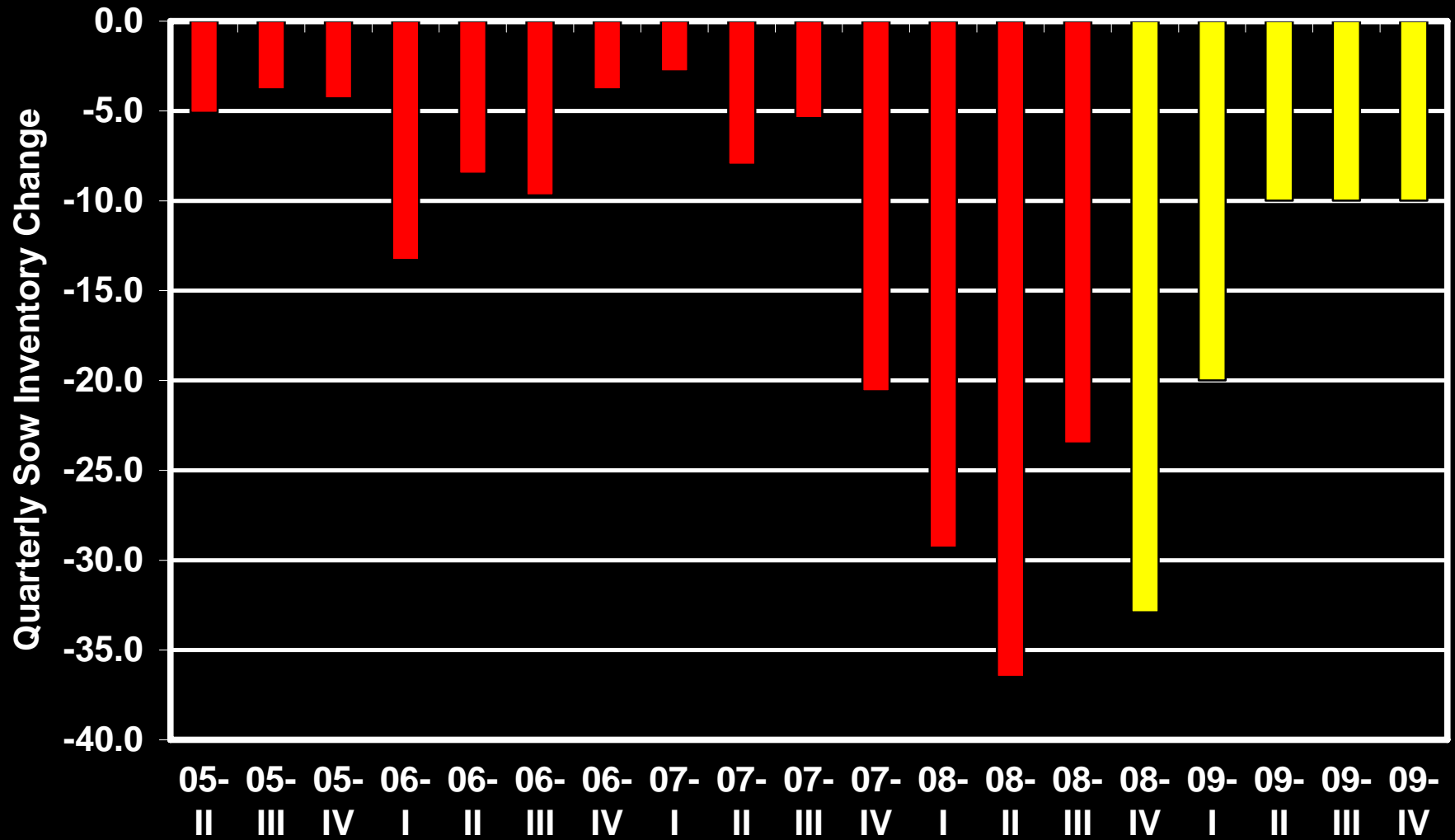
Weekly Sow Liquidation in Recent Cycles (cumulative sow slaughter increase over previous year)



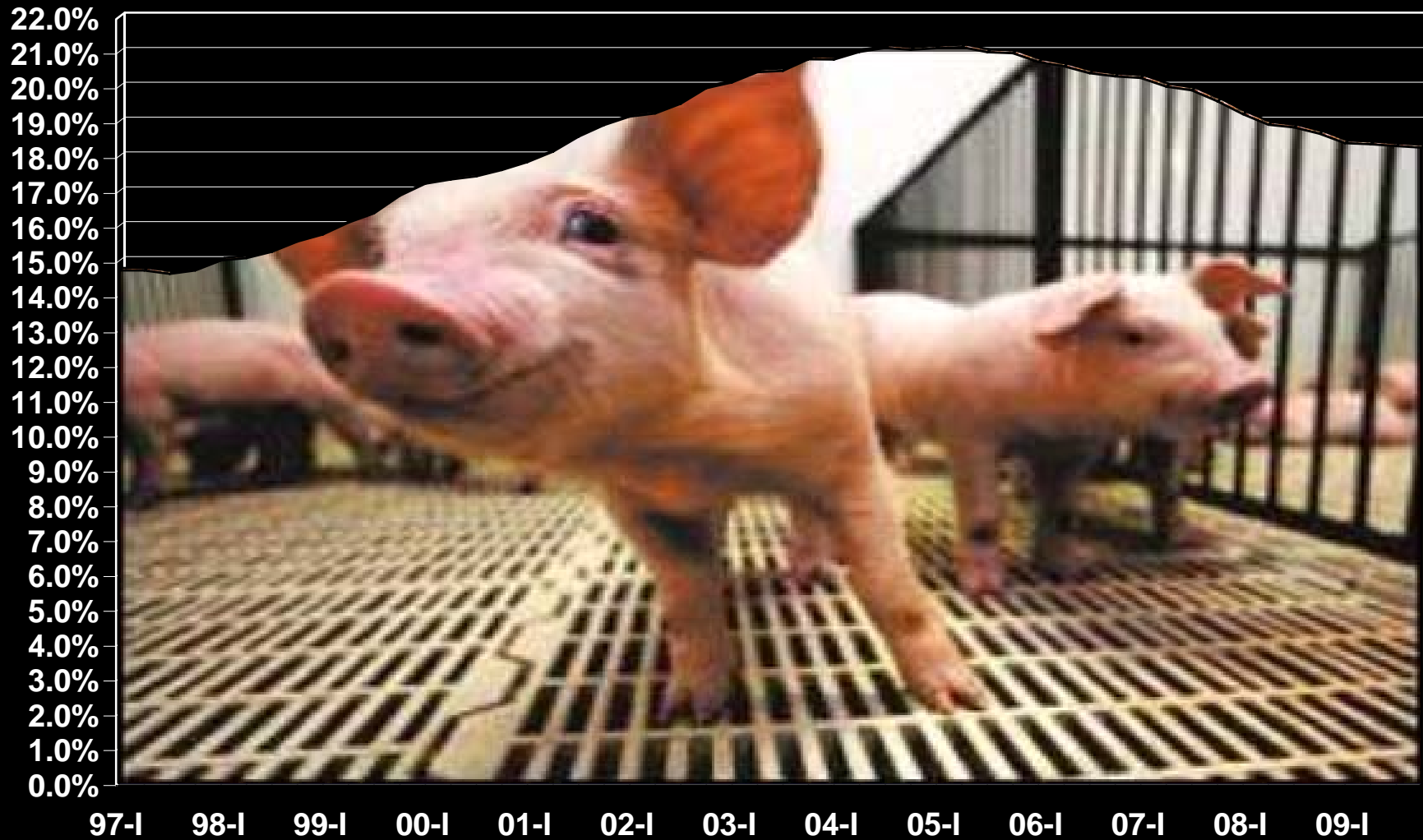
Cumulative Equity Assessment Hog Cycle: Nov 97-Dec 09F



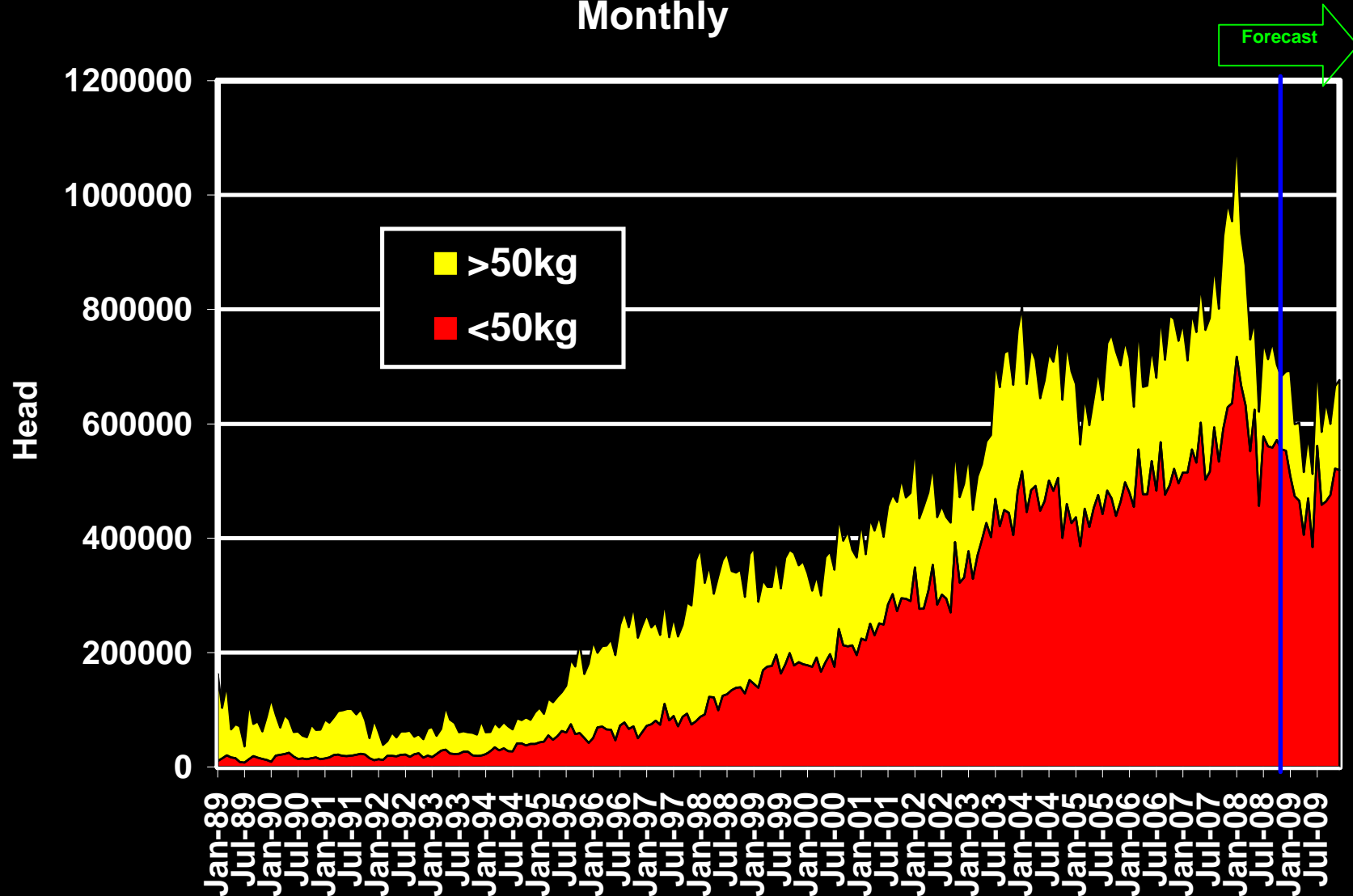
Canadian Breeding Herd Liquidation



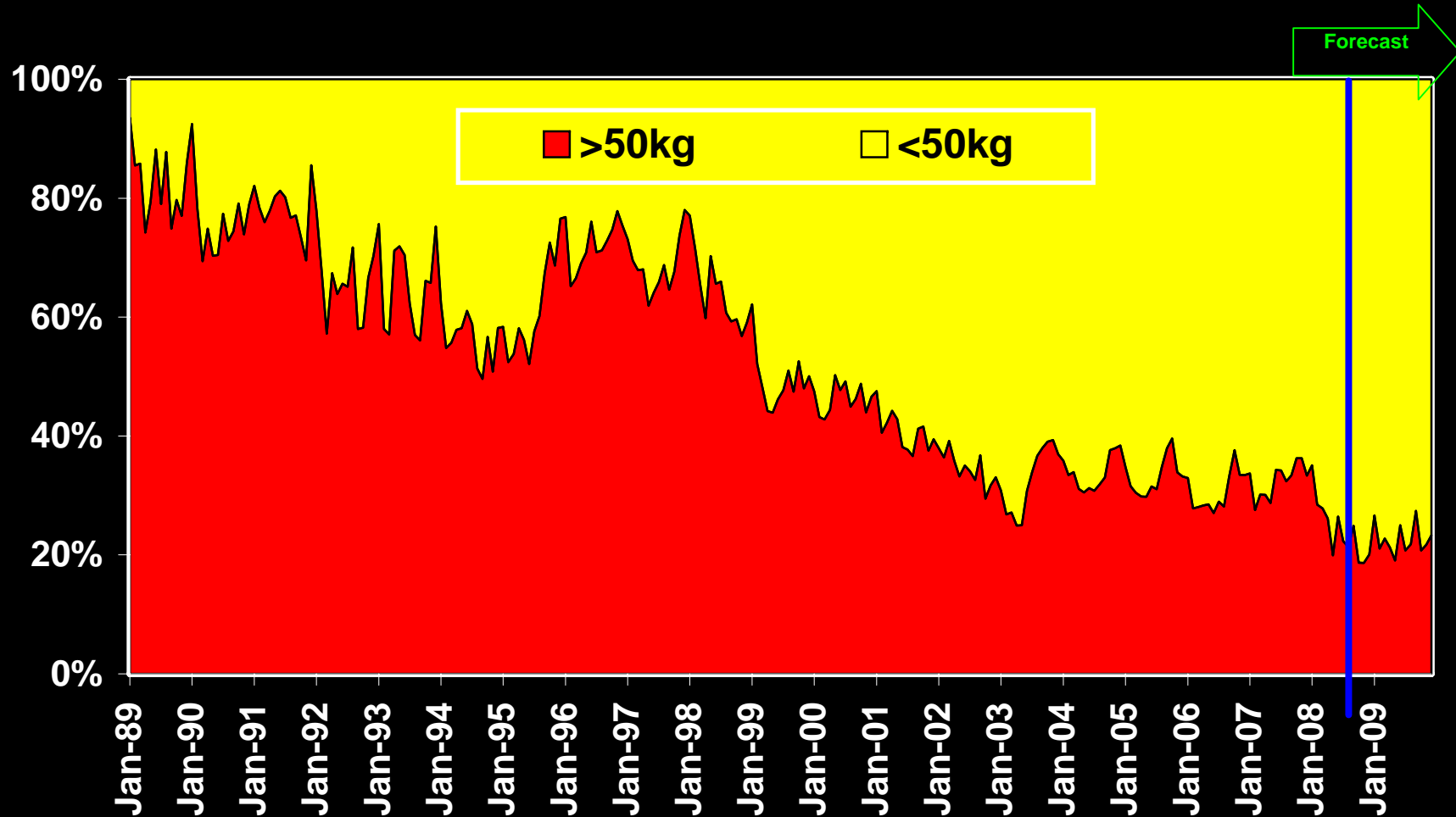
Canadian Share of N.American Swine Breeding Herd



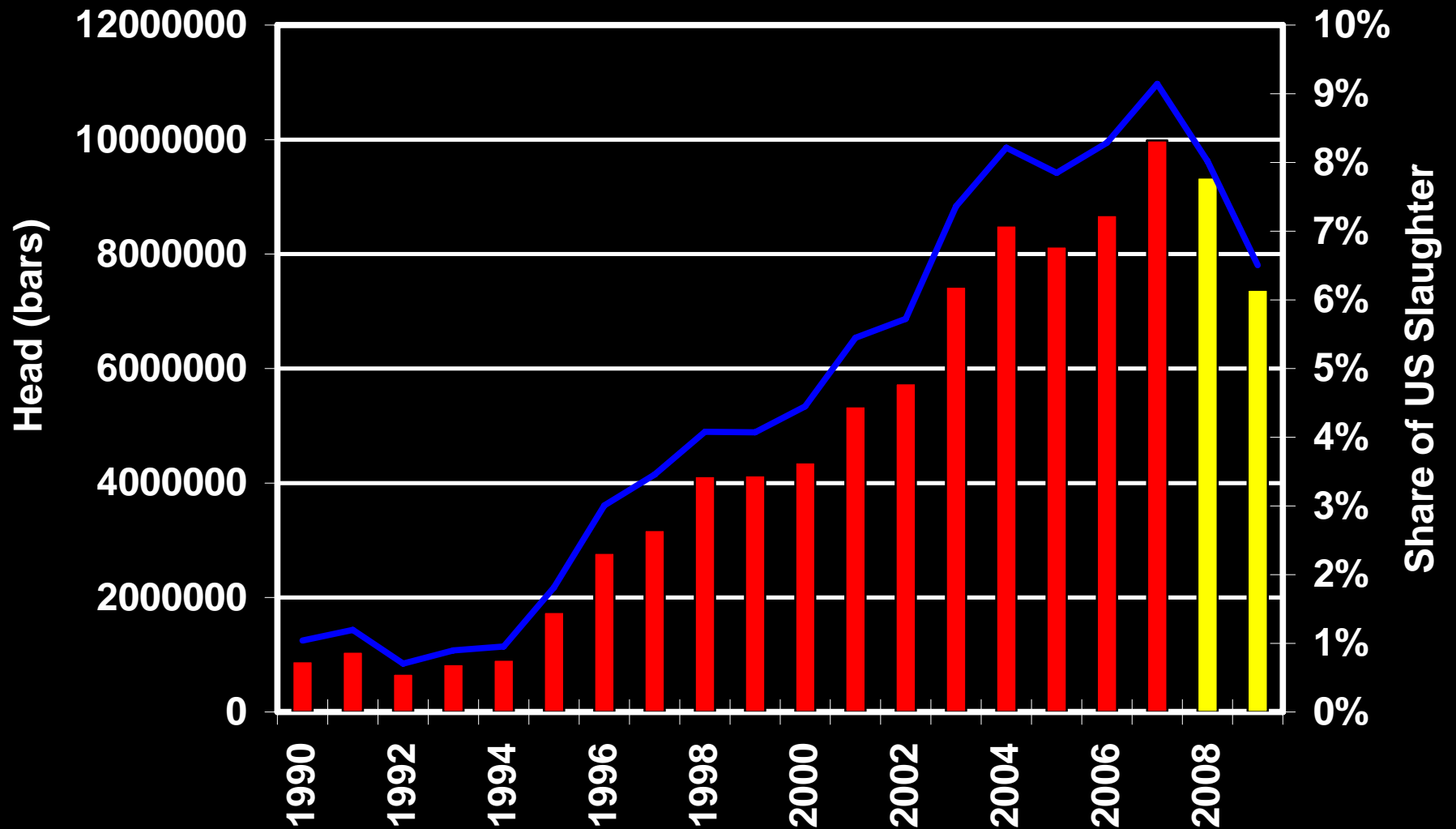
US Feeder & Slaughter Hog Imports Monthly



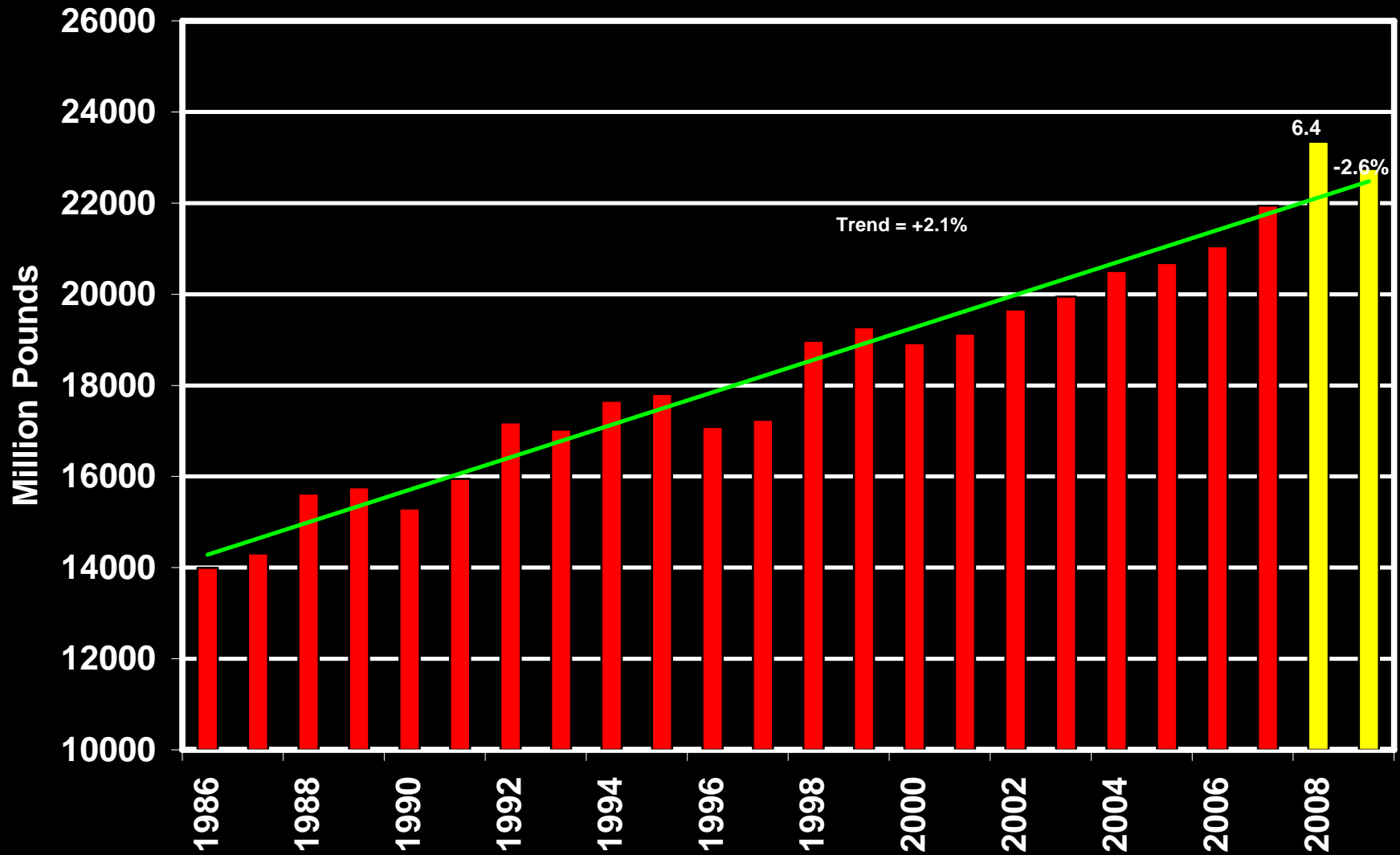
Mix of Live Imports from Canada 1989-2009F



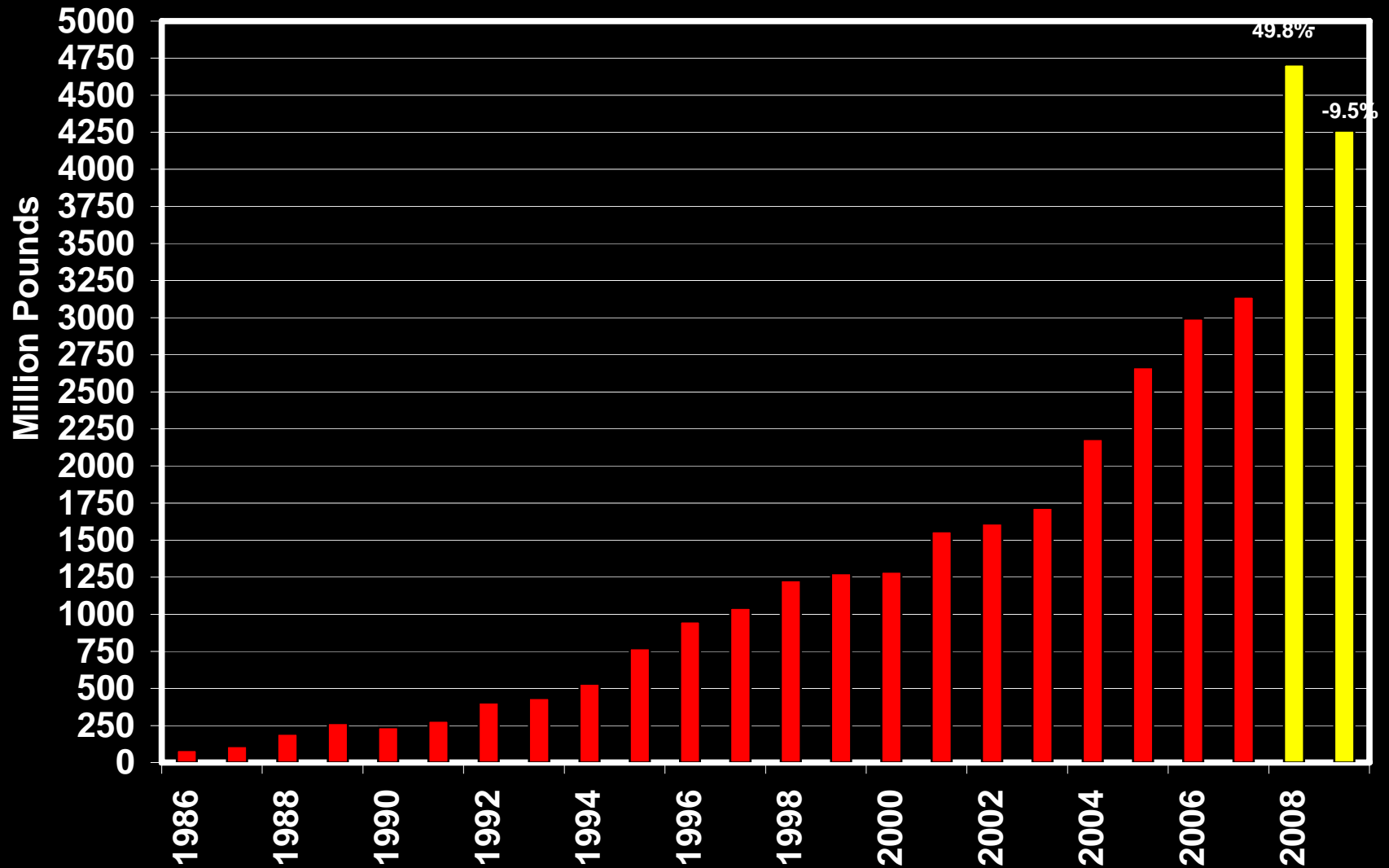
Live Hog Imports Account for 8% of US Slaughter by head



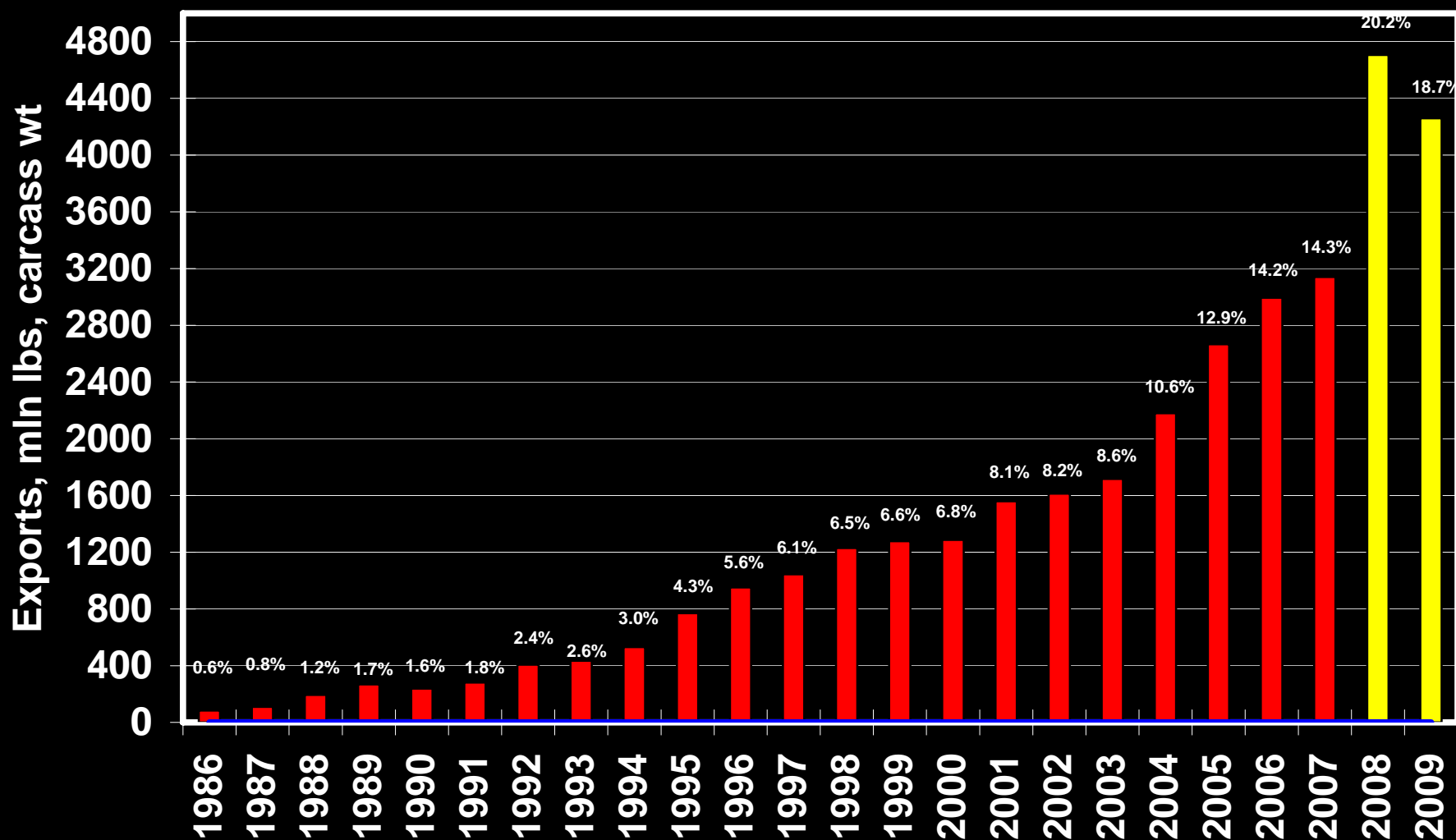
US Pork Production, Annual



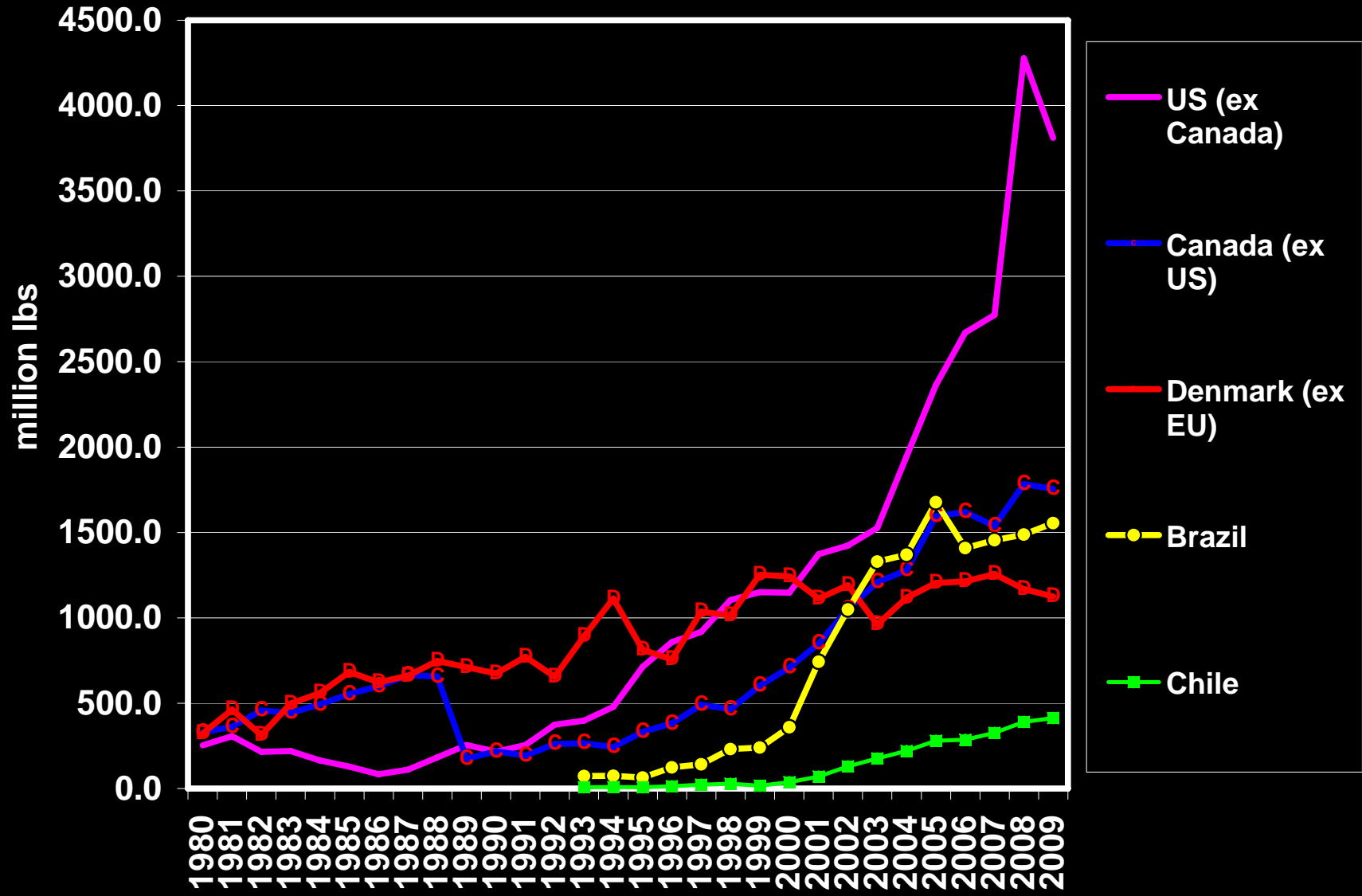
US Pork Exports, Annual



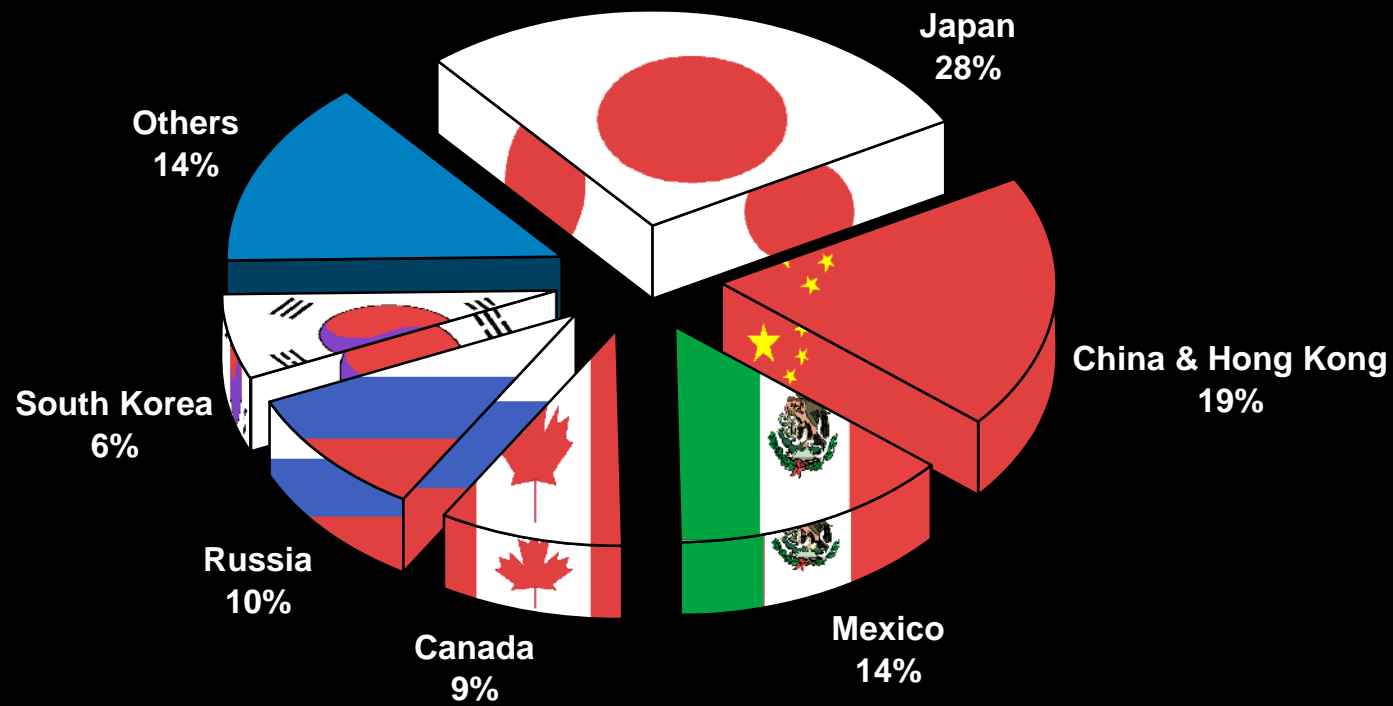
Total US Pork Exports and % of Pork Production



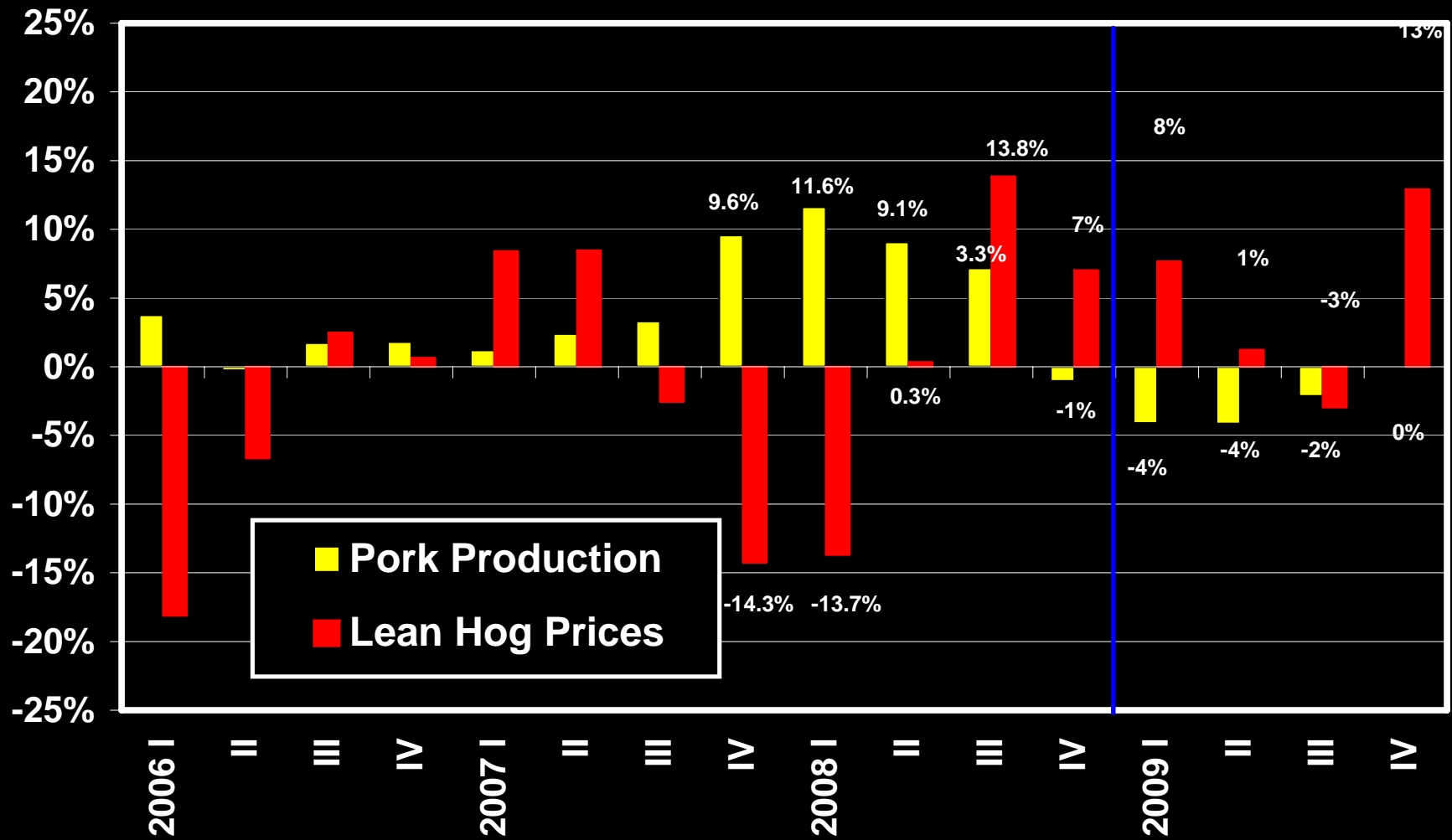
Major Global Pork Exporters, with 2008/09 Forecasts



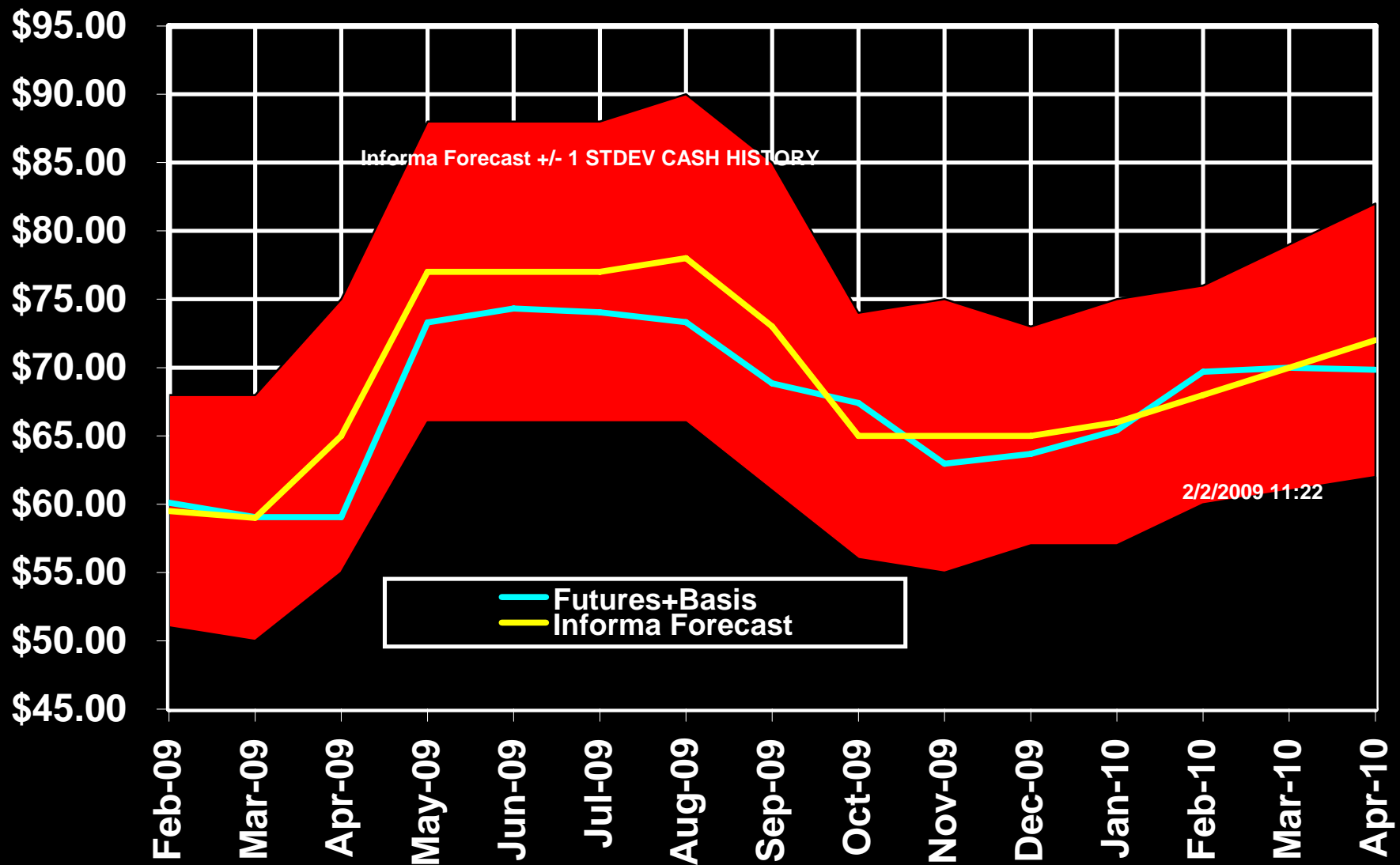
US Pork Exports Jan - Nov 2008



2006-2009F Quarterly Pork Production and Prices % Change



Lean Hog Futures and Informa Outlook



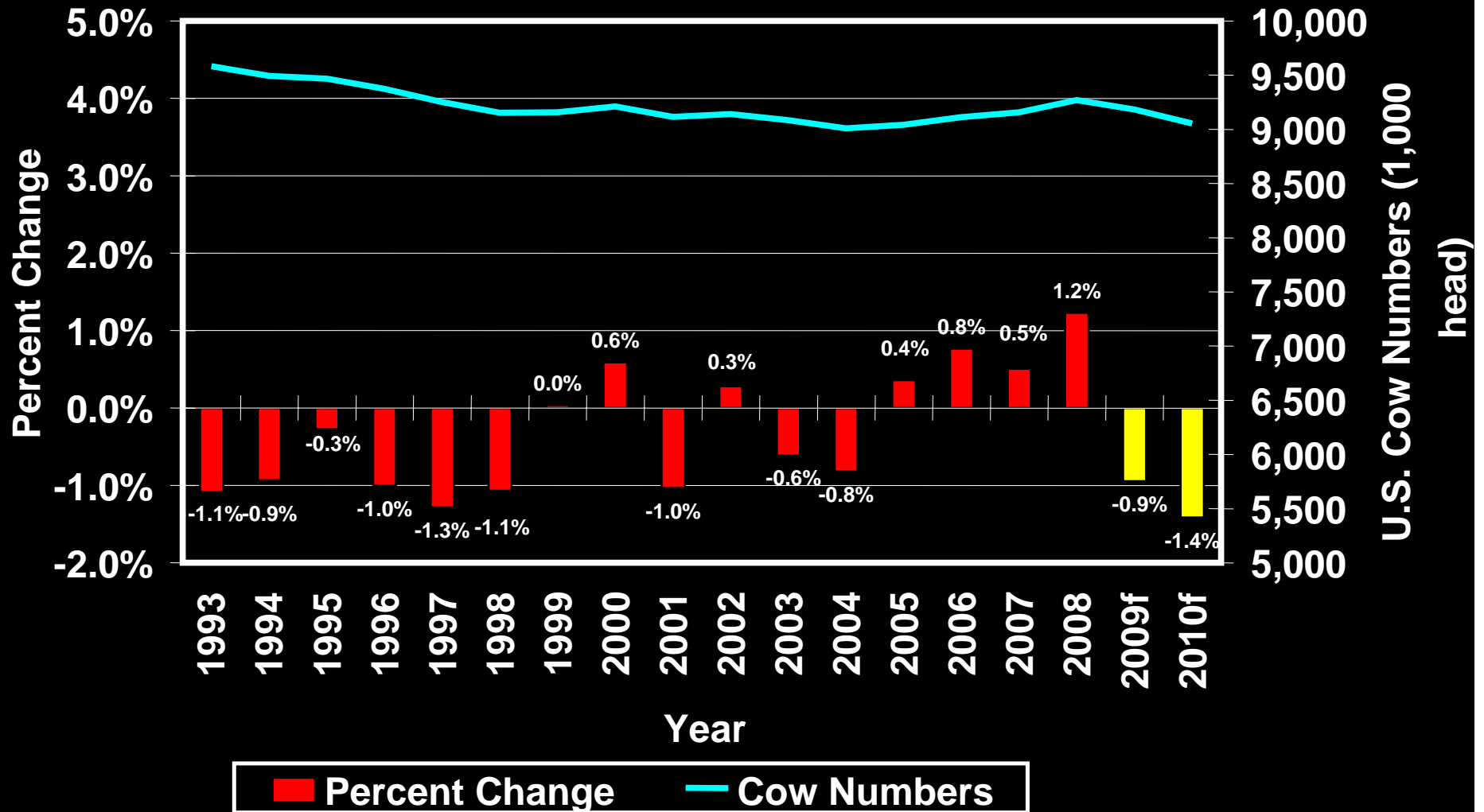
2/2/2009 11:22

US Pork Sector Outlook

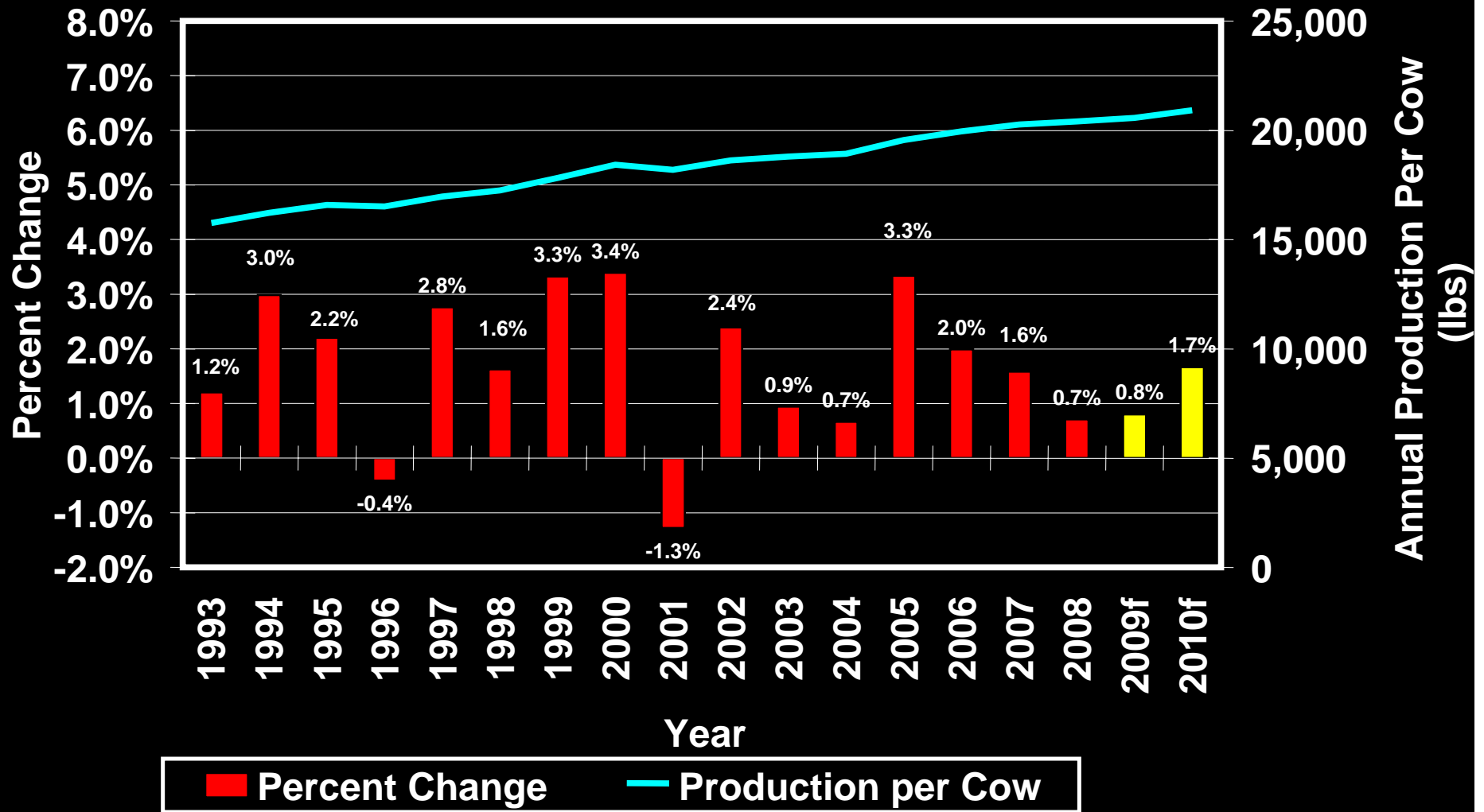
- US breeding herd off 2-3% suggesting reduced #'s
- Industry productivity is up which is partially offsetting
- Imports of market ready hogs from Canada are down
- Imports of feeder pigs are off reducing feed demand
- US pork exports down which is big negative
- Domestic demand for pork is modest at best
- US industry needs board + prices to regain profits
- Feed costs should decline but uncertainty prevails
- Further consolidation of production to continue

US Dairy and Cattle Industry Situation and Outlook

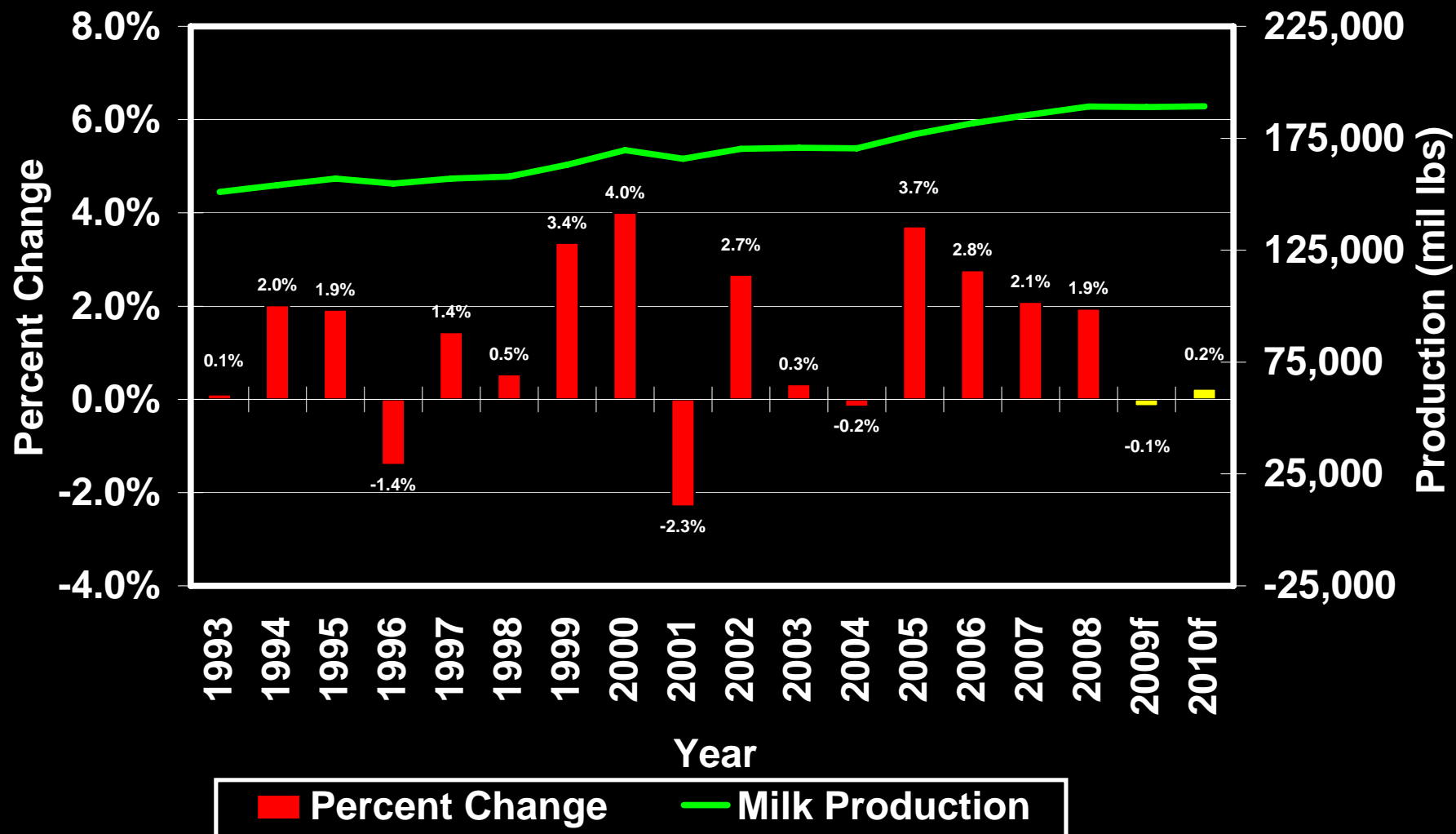
U.S. Milk Cow Numbers



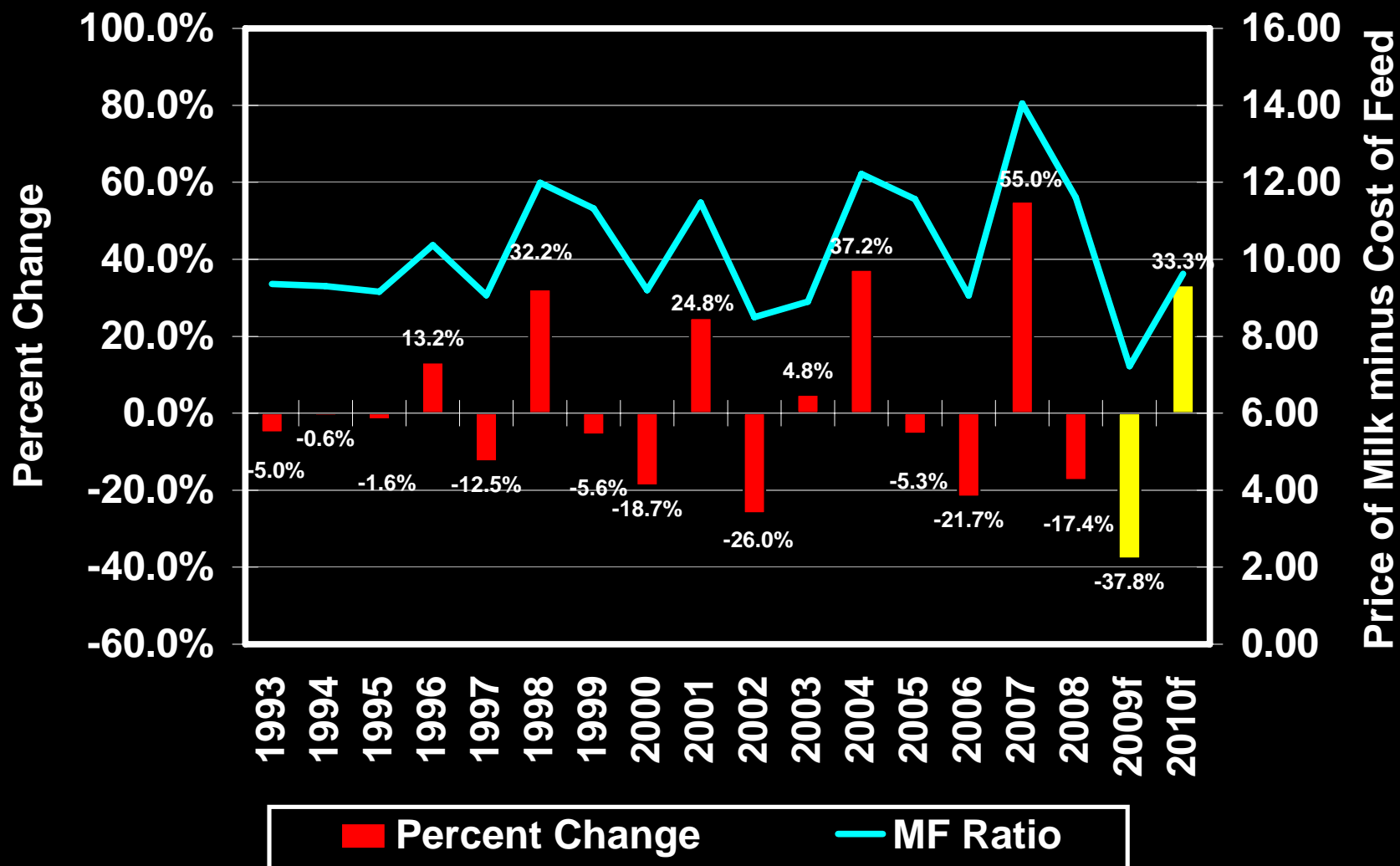
U.S. Milk Production Per Cow



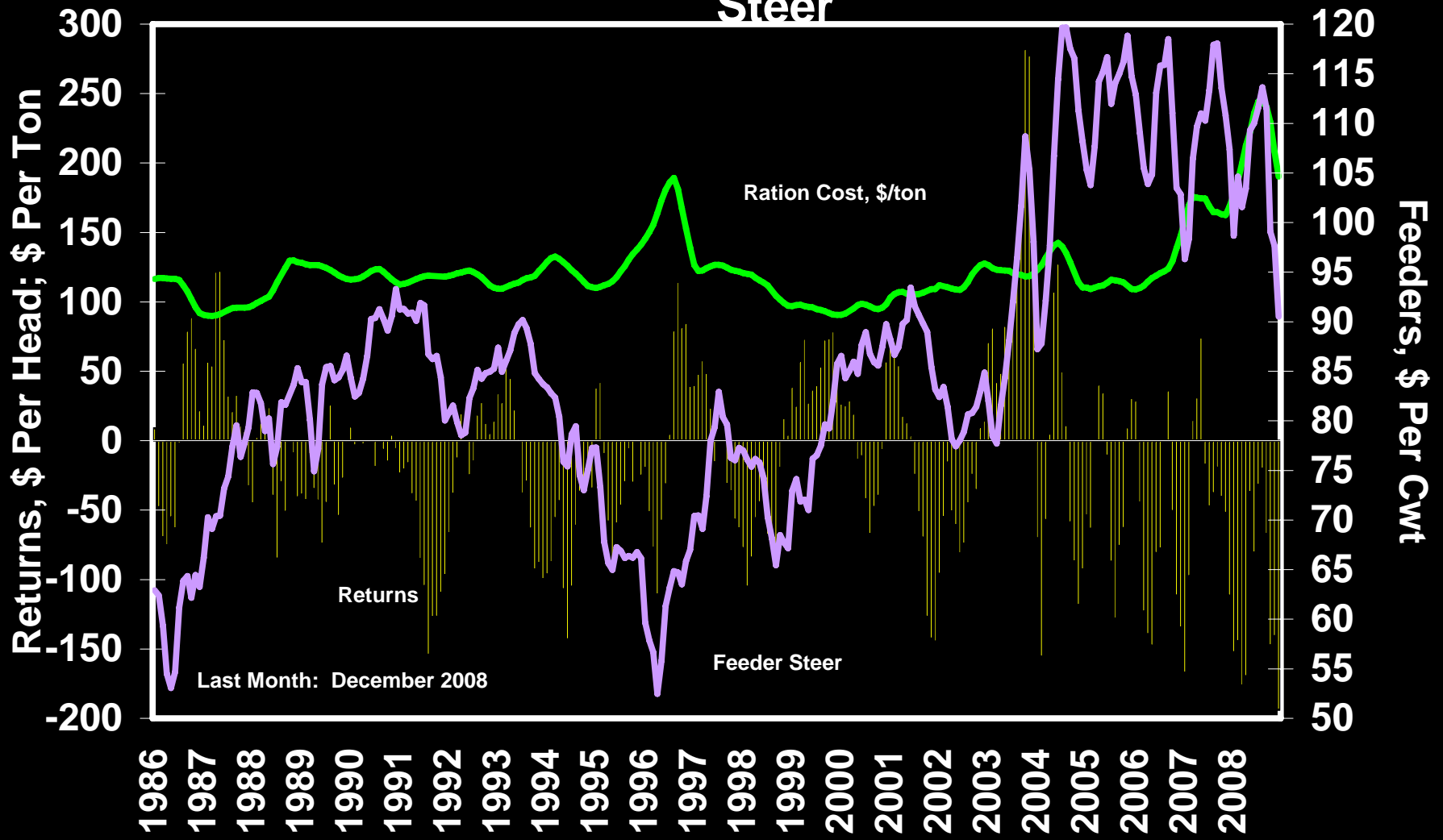
U.S. Milk Production



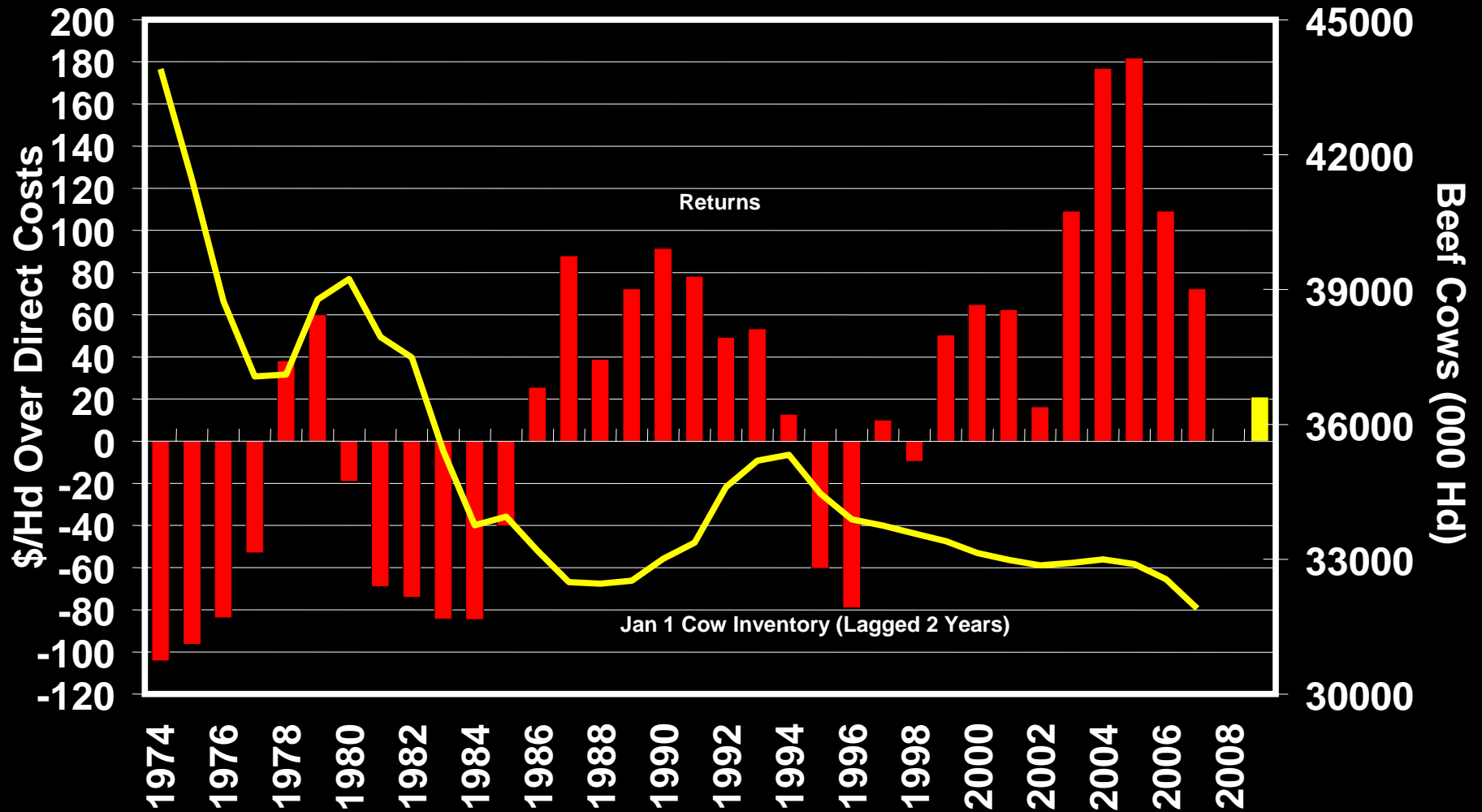
U.S. Dairy Producer Gross Margin Milk Price minus Feed Cost



Monthly Average Returns To Cattle Feeders and Purchase Prices for Finishing 725 Pound Feeder Steer



ESTIMATED AVERAGE COW/CALF RETURNS & BEEF COW INVENTORY

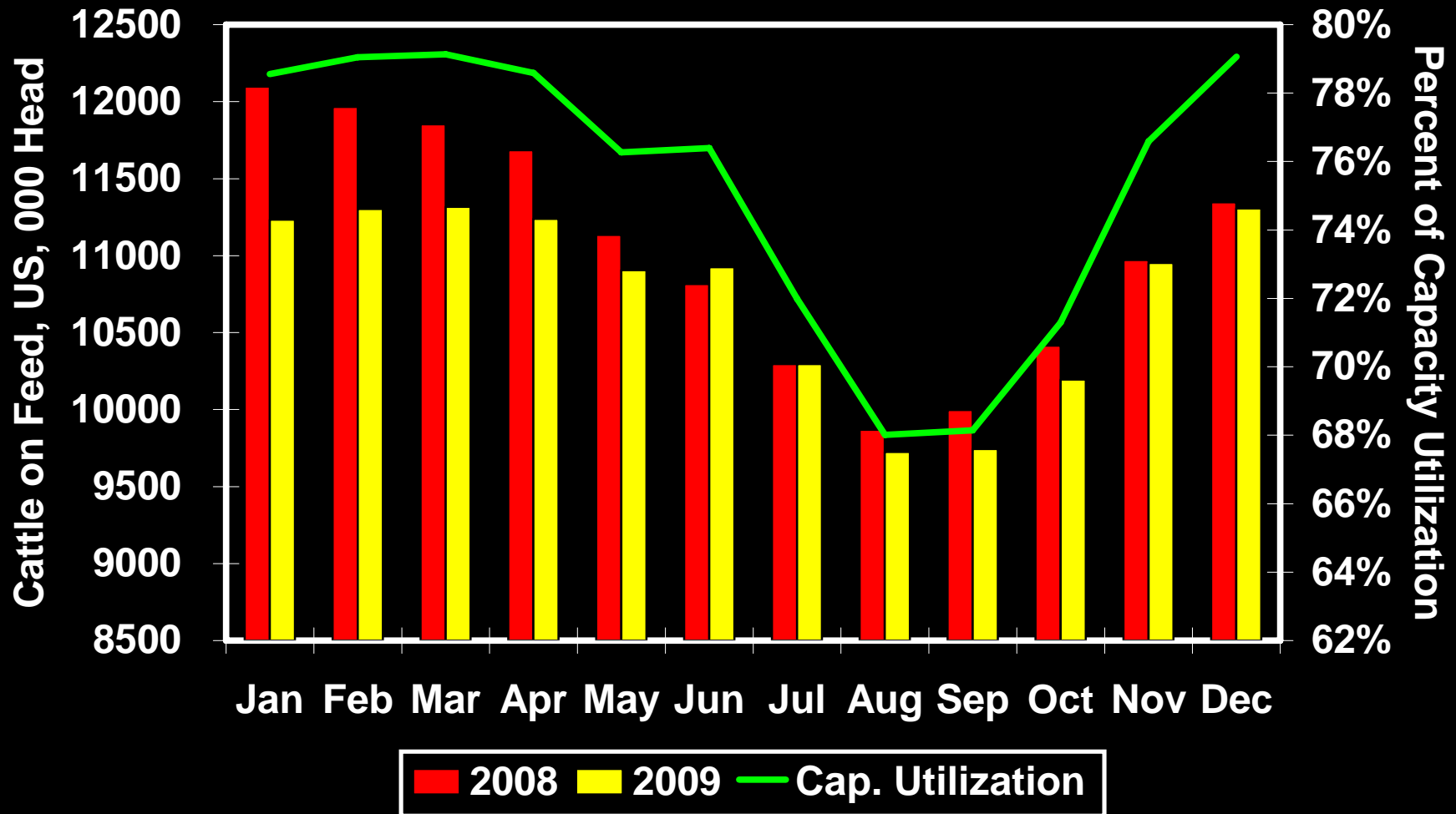


JANUARY 1 CATTLE INVENTORY

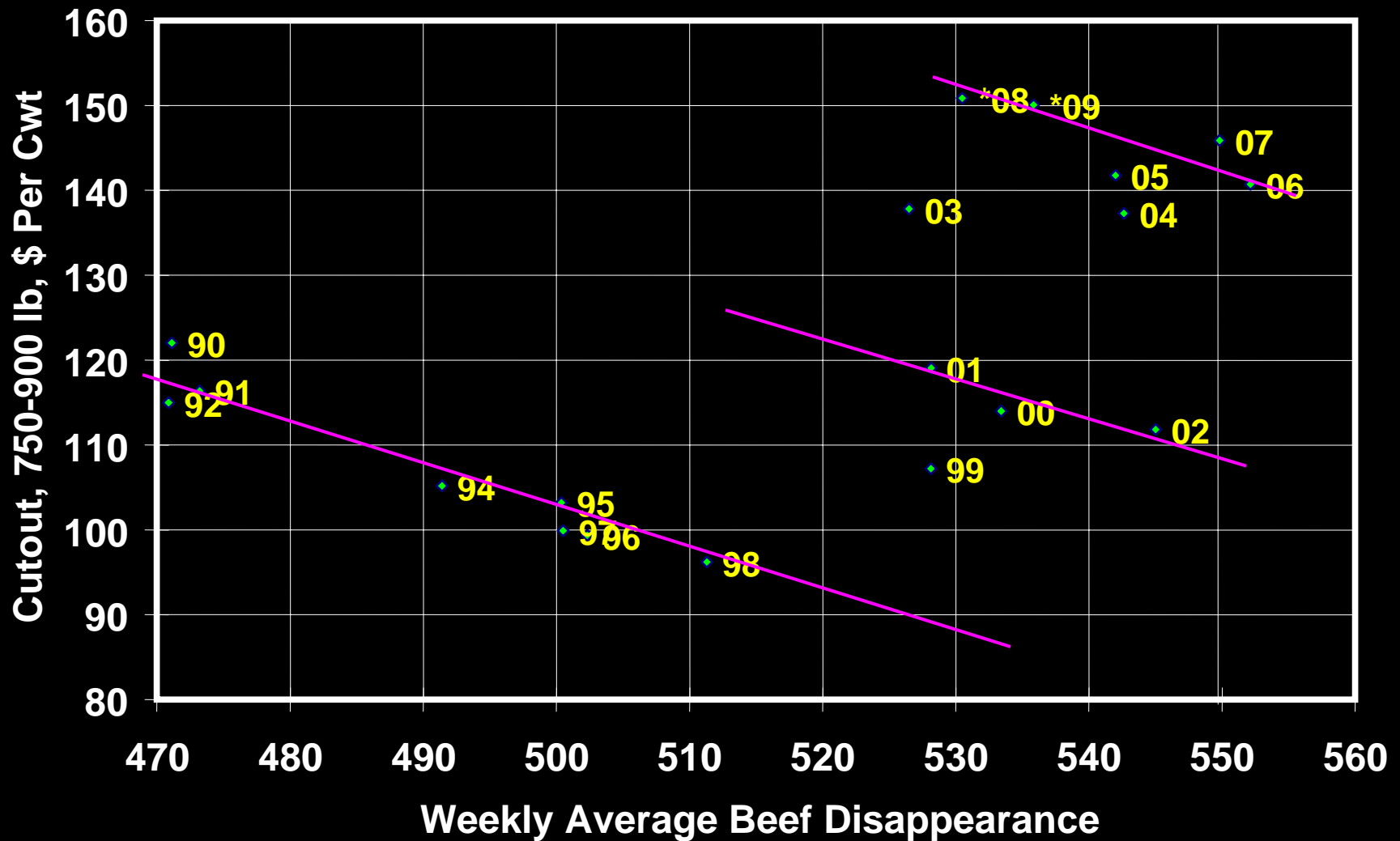


2009 Forward Informa Estimate

US Feedlot Inventories and Projected 2009 Feedlot Capacity Utilization



Beef Cutout, Wtd vs Weekly Avg Beef Disappearance Annual



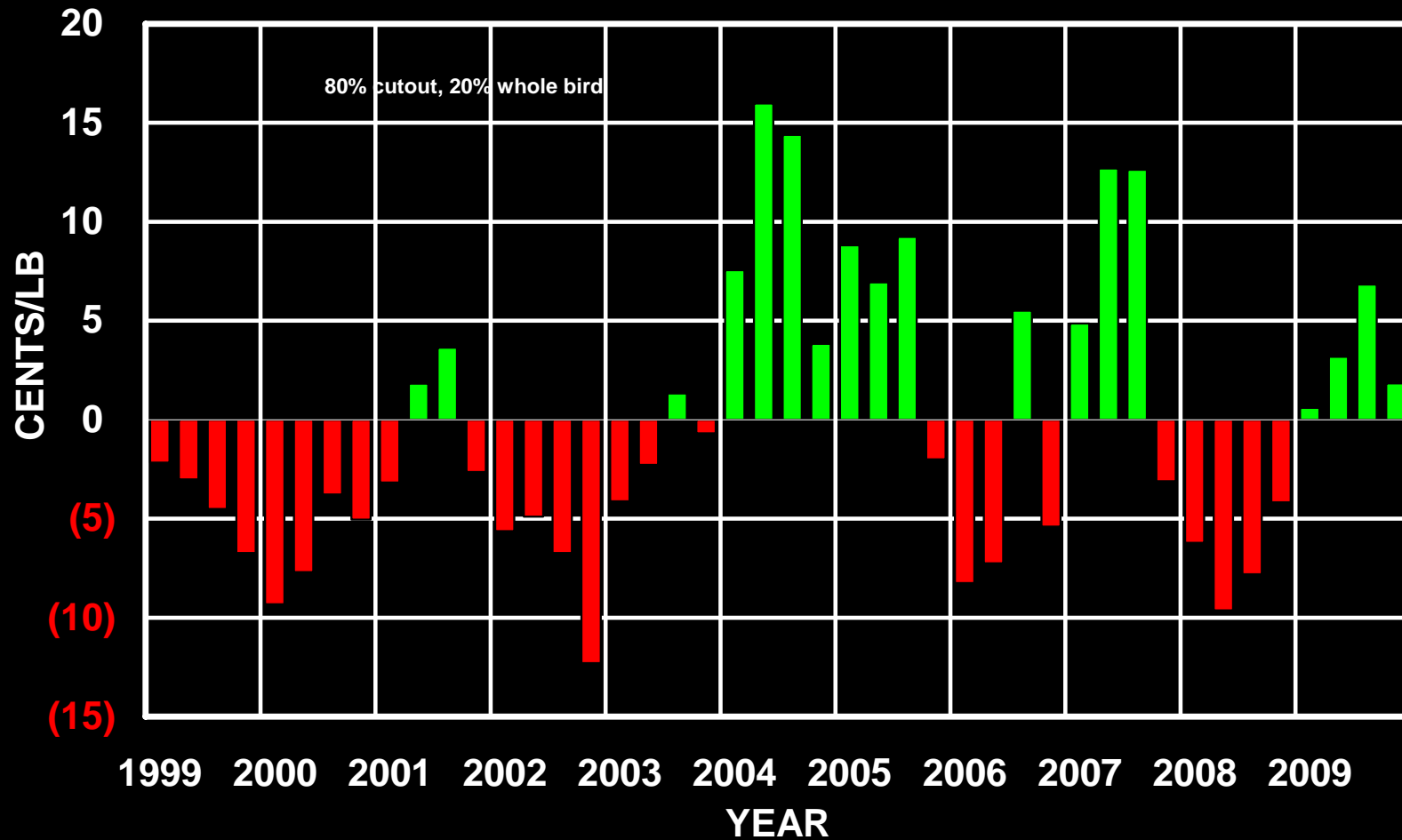
US Cattle/Dairy Industry

- US cattle industry continues to contract
- Beef cow herd off 2% implying reduced calf crops
- Dairy cow herd will be liquidated next 6-12 months
- Cattle on Feed numbers down 7%
- US cattle slaughter and beef production to decline
- Beef demand vulnerable to further domestic erosion
- Exports should expand due to enhanced access
- Trade remains vulnerable to soft global economics

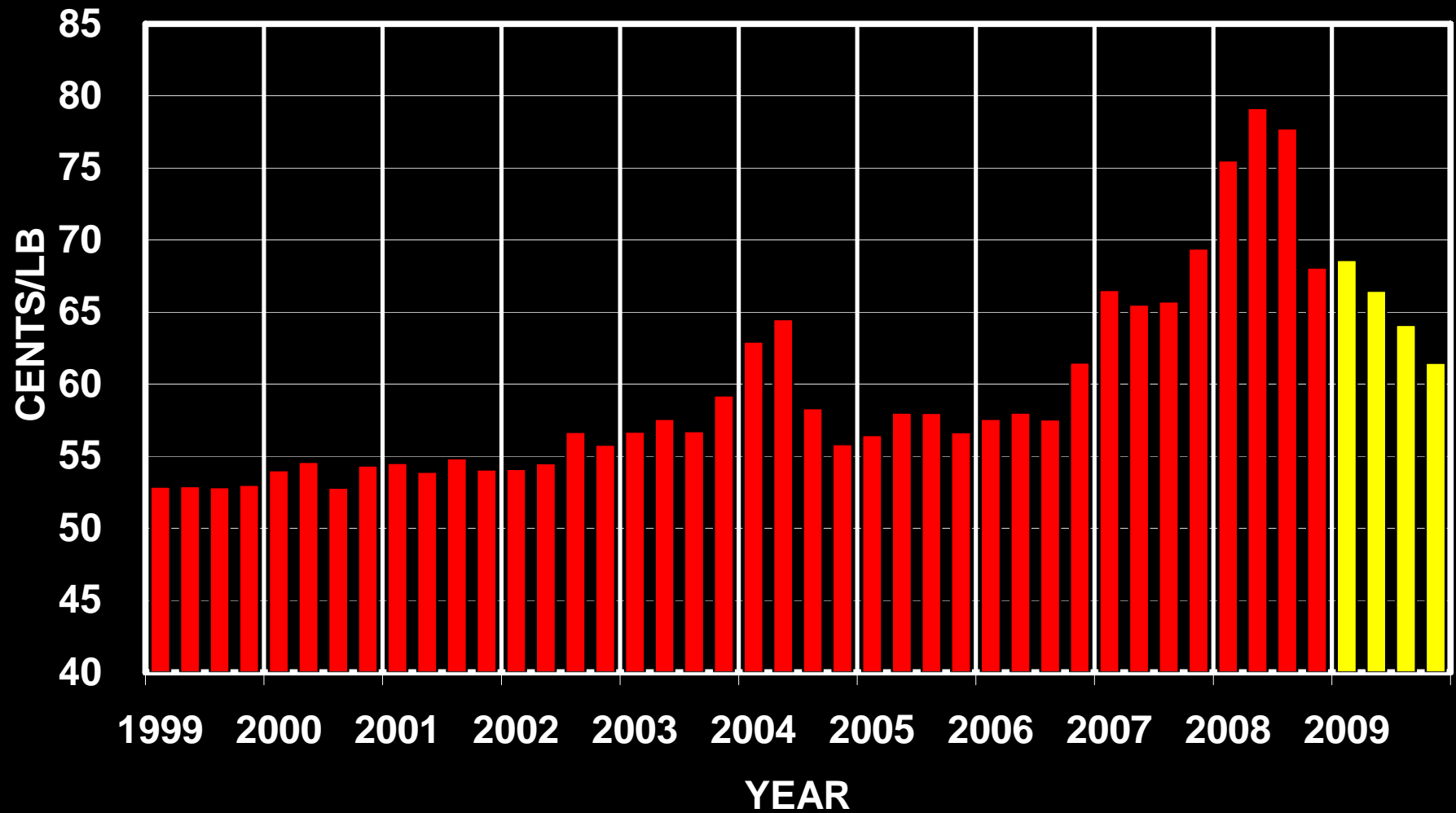
US Poultry Industry Situation and Outlook

US Broiler Weighted Margins, Quarterly, Wholesale Basis

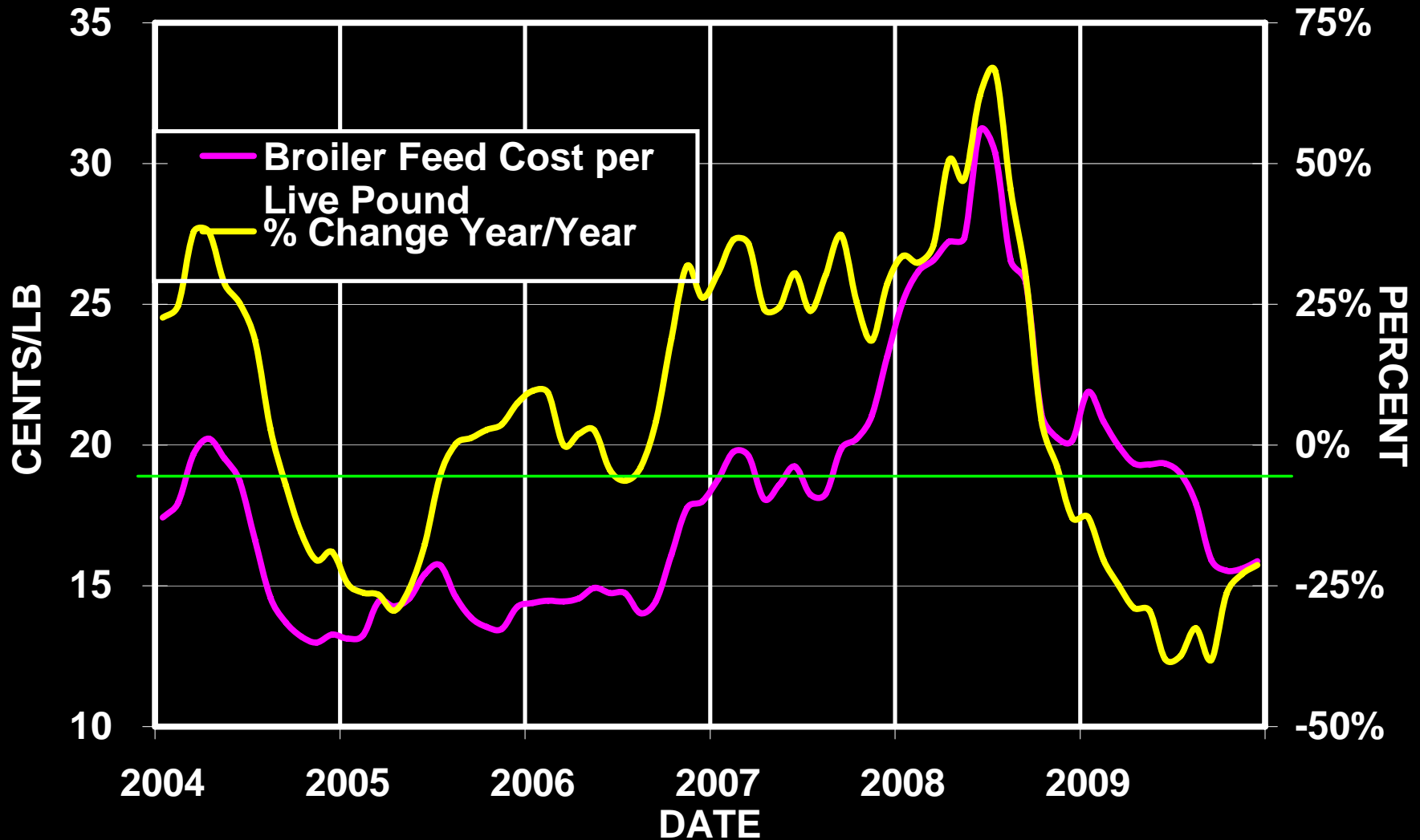
Informa Economics estimate



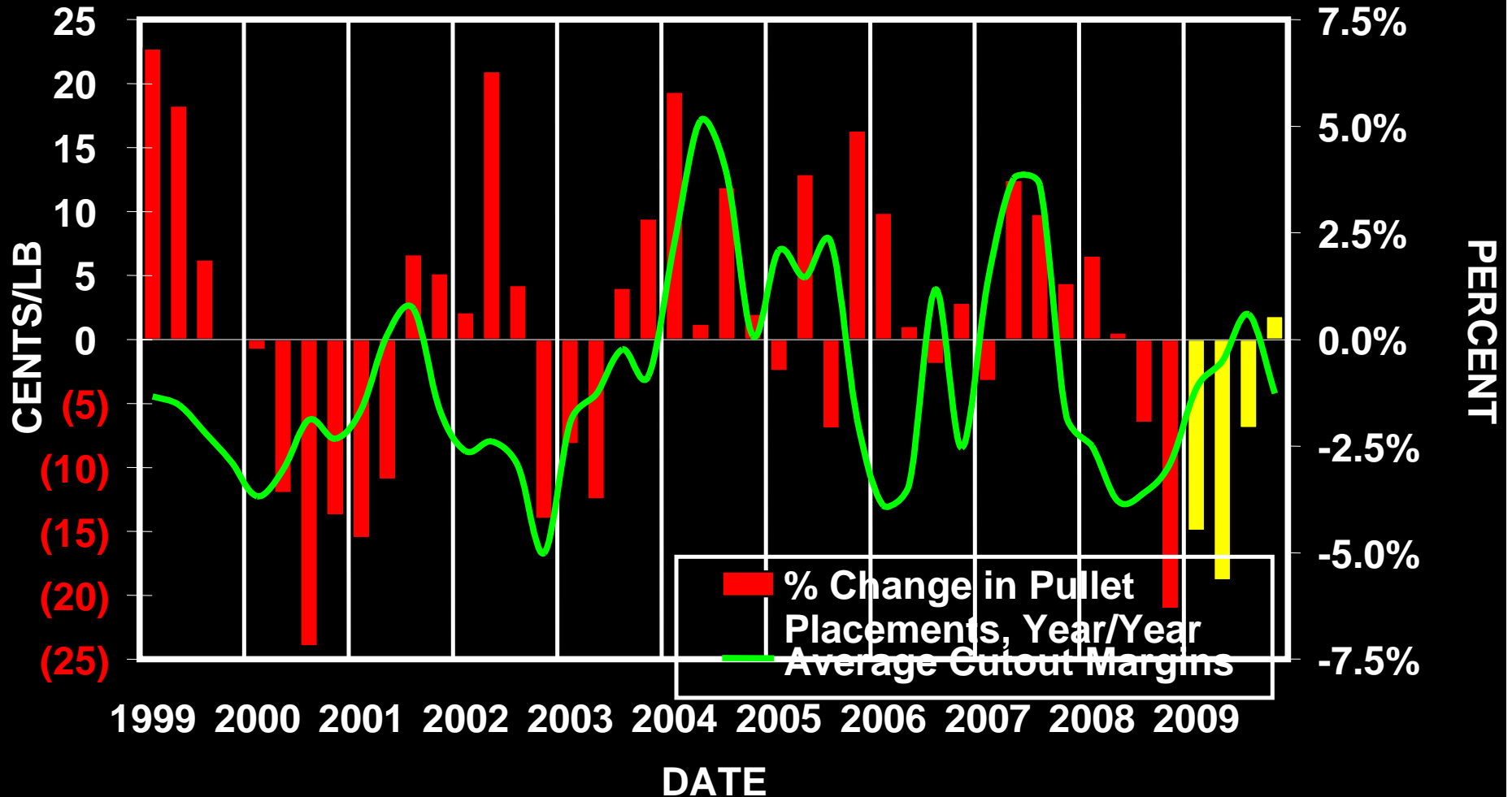
US Whole Broiler Production Costs, Quarterly, Wholesale Basis



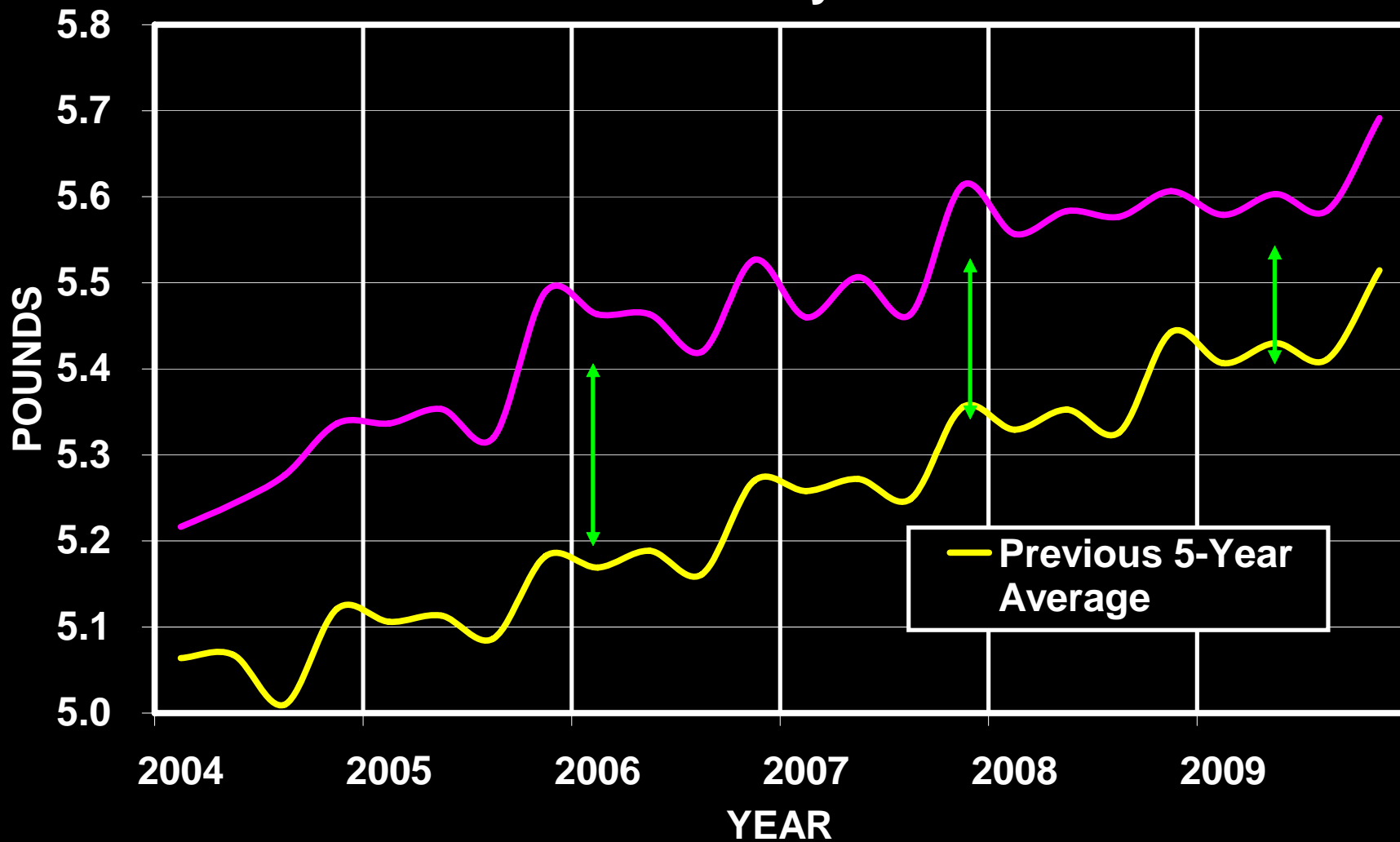
Broiler Feed Costs Per Live Pound, Monthly Average



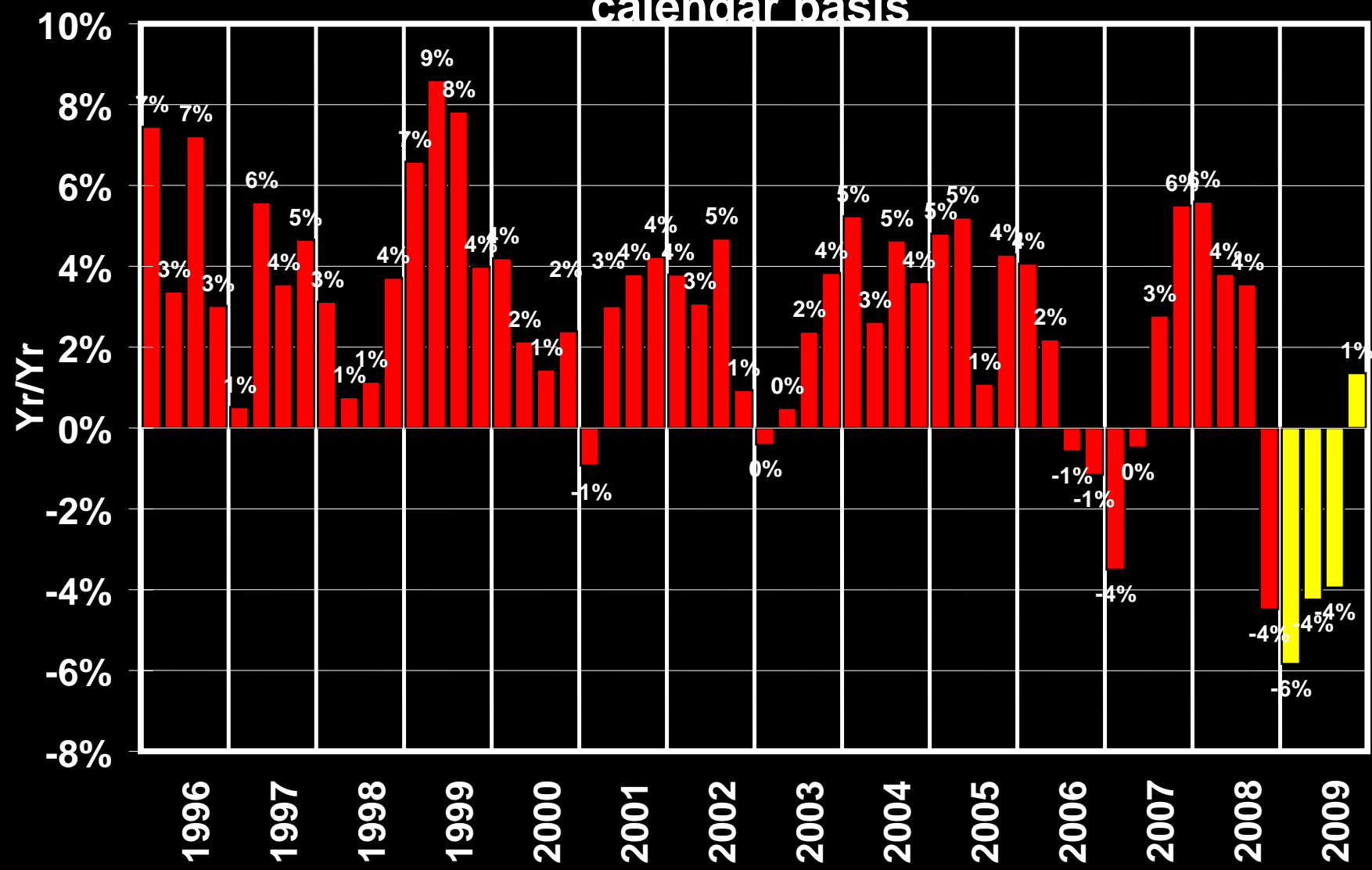
% Change in Pullet Placements Vs. Average Cutout Margins, Quarterly



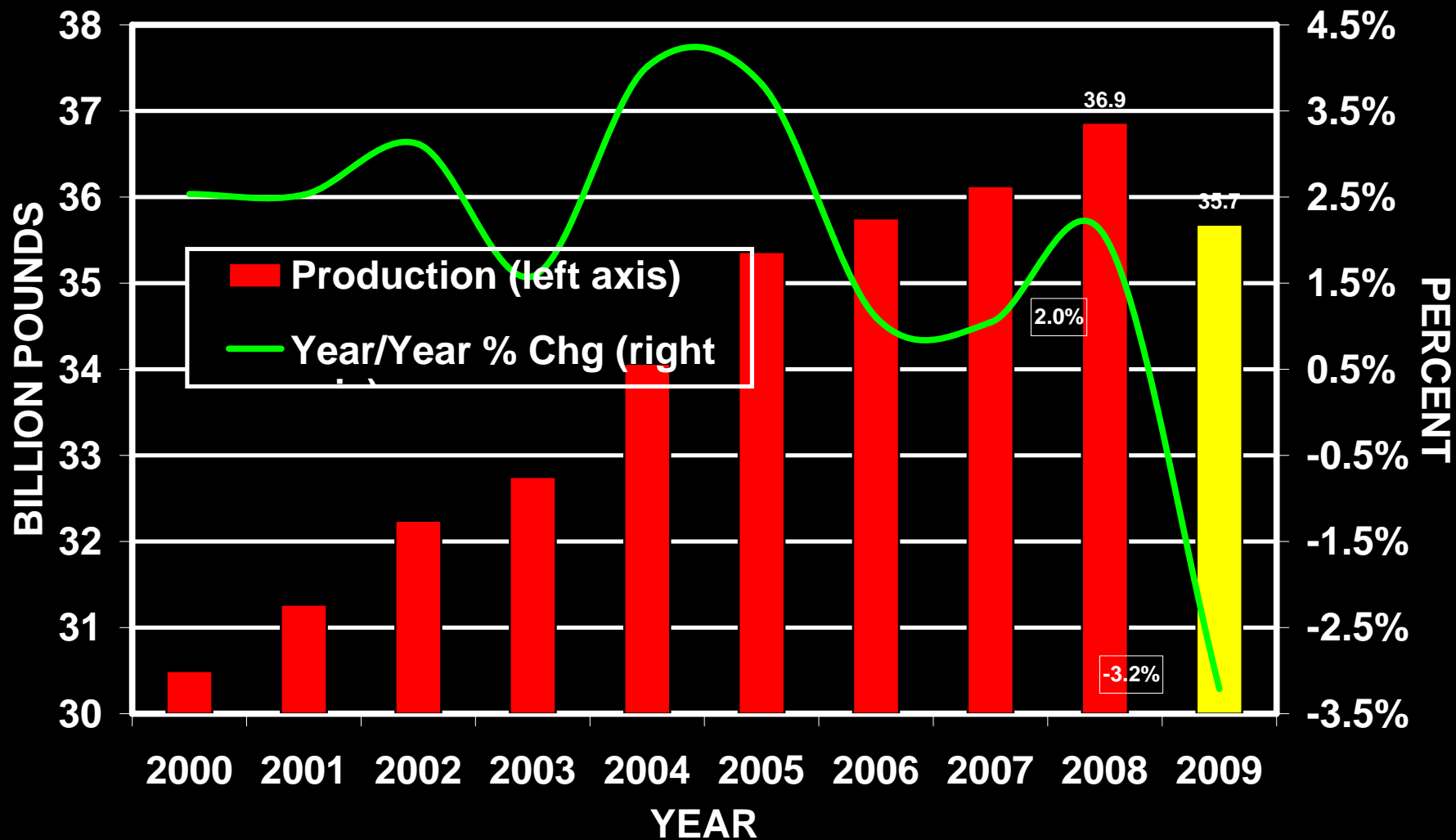
US Broiler Average Liveweight at Slaughter, Quarterly



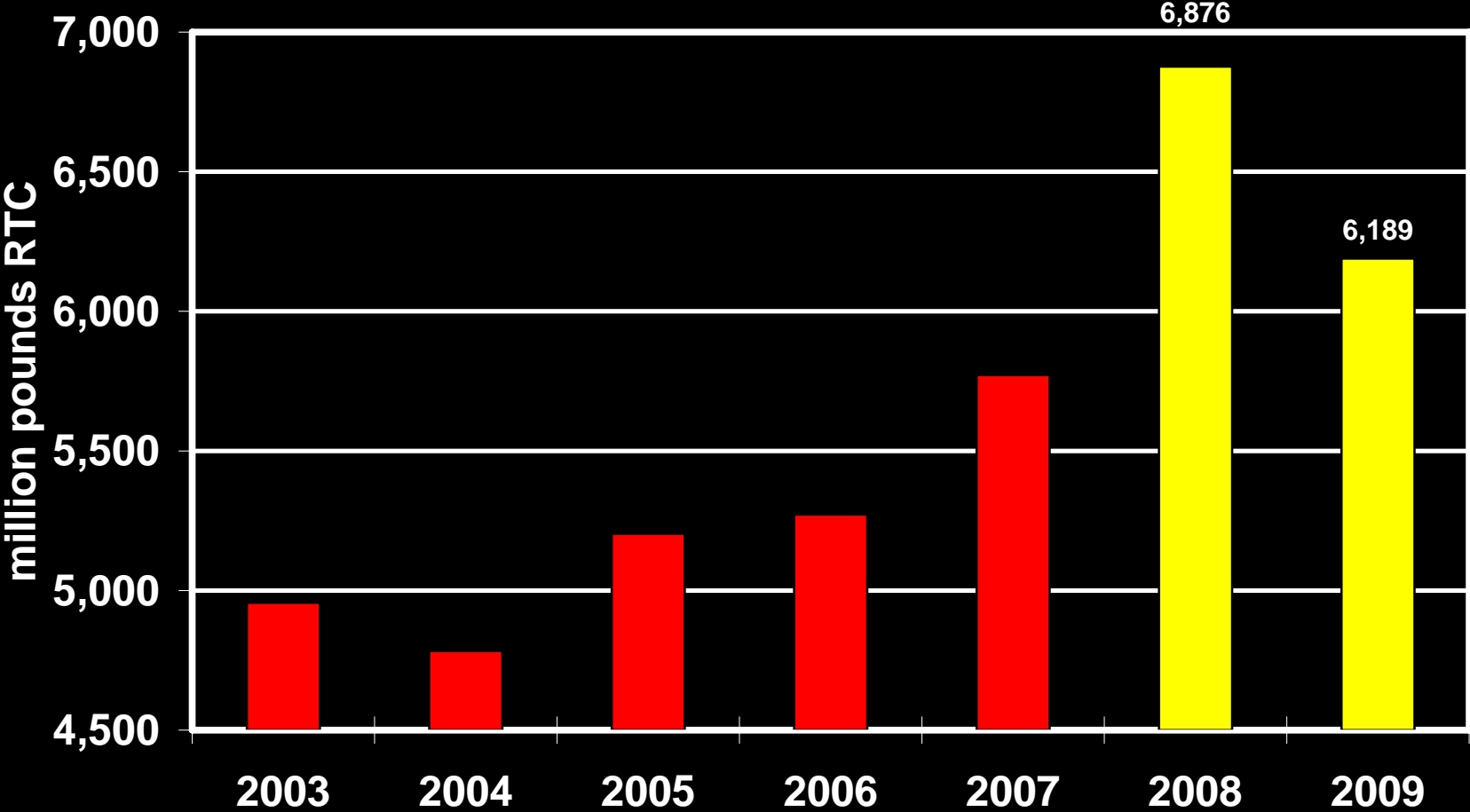
Quarterly Broiler RTC Production calendar basis



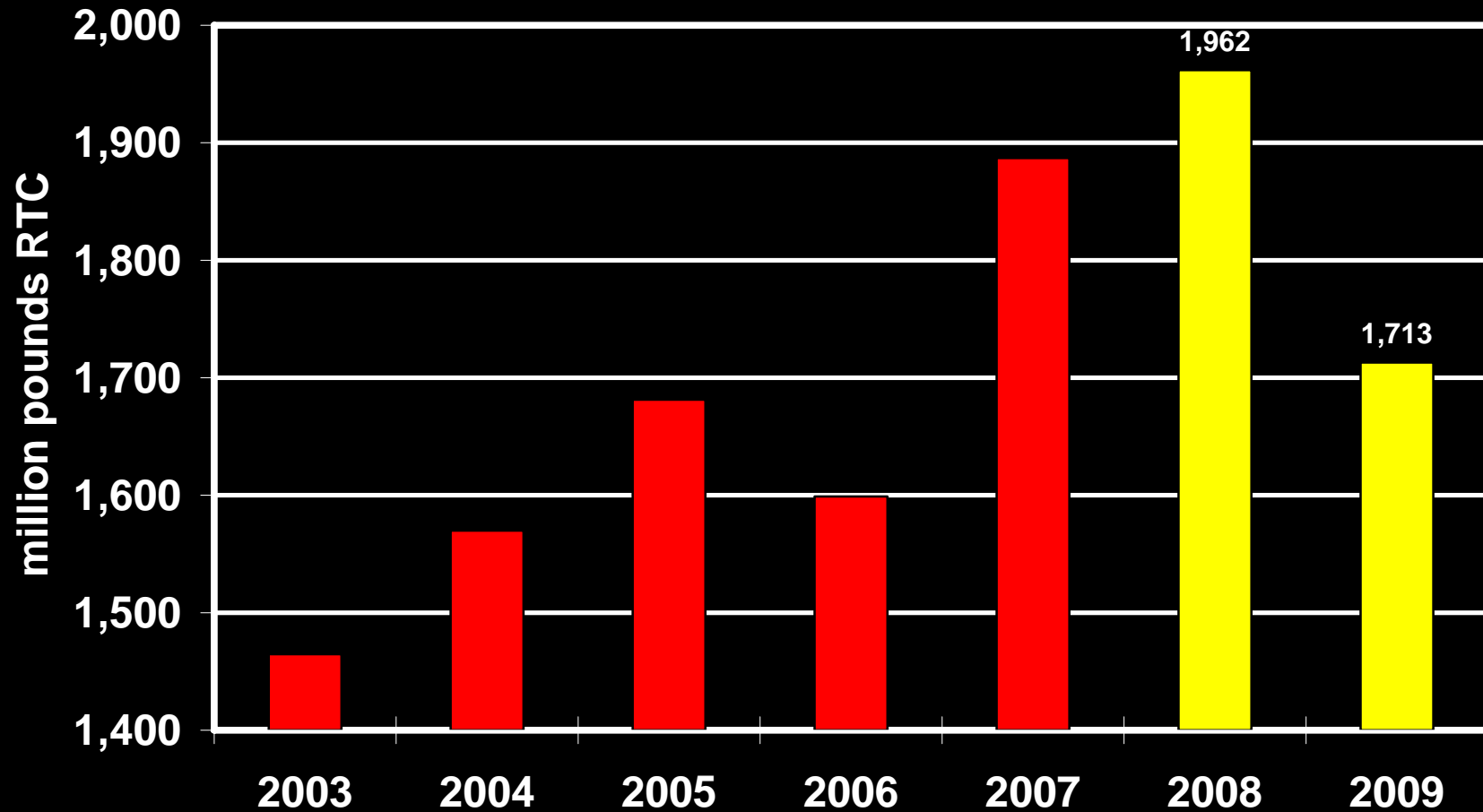
US Broiler Production, Ready to Cook



U.S. Broiler Exports



U.S. Broiler Exports to Russia



US Broiler Industry Outlook

- Broiler sector had a negative margin year in 2008
- Production down as a result of the financial squeeze
- Cost structure is still high with upside risk
- Export programs at risk to declining volumes
- US recession should be + for domestic sales
- Recovery in output possible by late year into 2010
- Economic recovery key to renewed demand growth

Meat Industry Challenges

- MCOOL
- Packer Ownership Legislation
- Trade Developments and Market Access
- Financial Healing
- Food Safety & Animal Welfare
- DEMAND- Domestic and Export

Implications for US Soybean Sector

- Contracting protein consuming animal units
- US meat and poultry producers will push for additional productivity gains
- Production efficiency implies more efficient use of inputs
- Global animal units will experience disruption in growth patterns
- Exports of beans/meal could be impacted