Agricultural Outlook Forum U.S. Department of Agriculture

Situation and Outlook for the U.S. Dairy Industry

Presented: February 18-19, 2010

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February 19, 2010

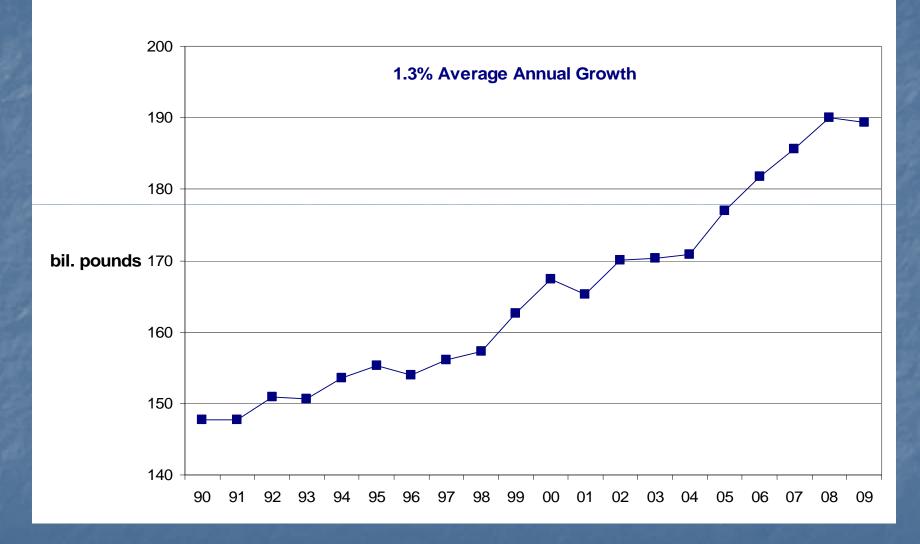
Ice Breaker



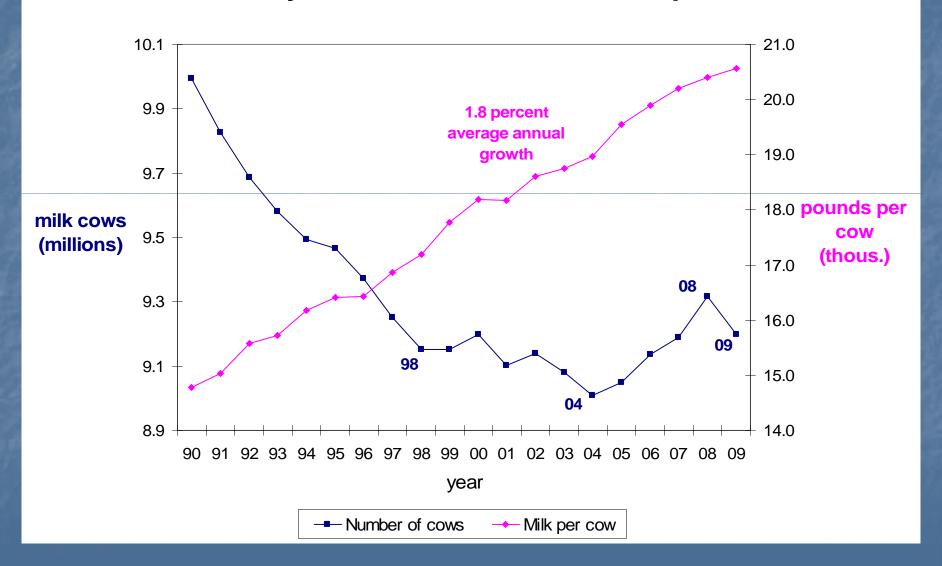
NASA photograph

A Look Back Over Two Decades

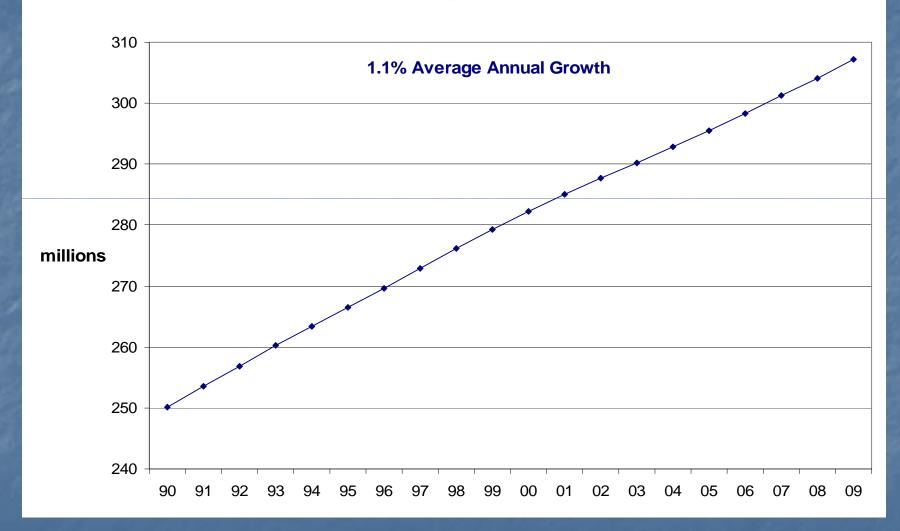




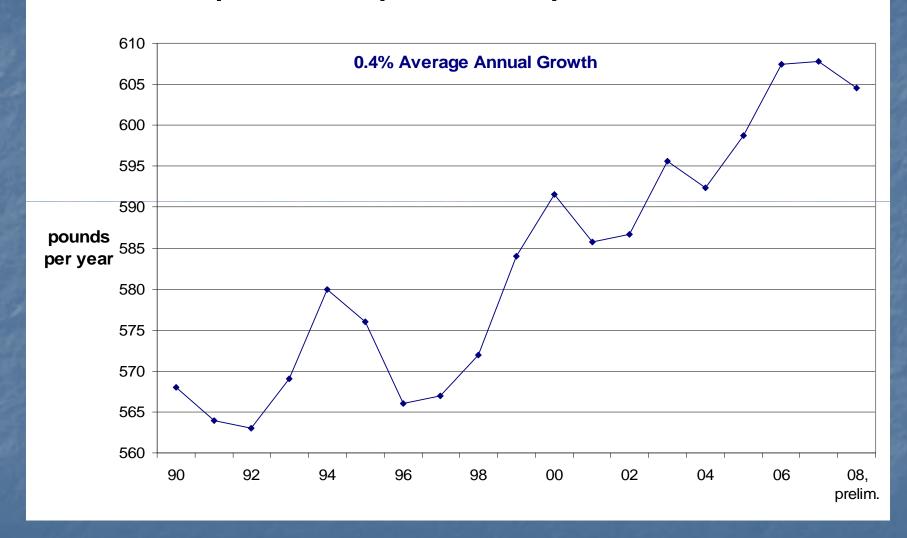
U. S. Dairy Herd and Milk Production per Cow



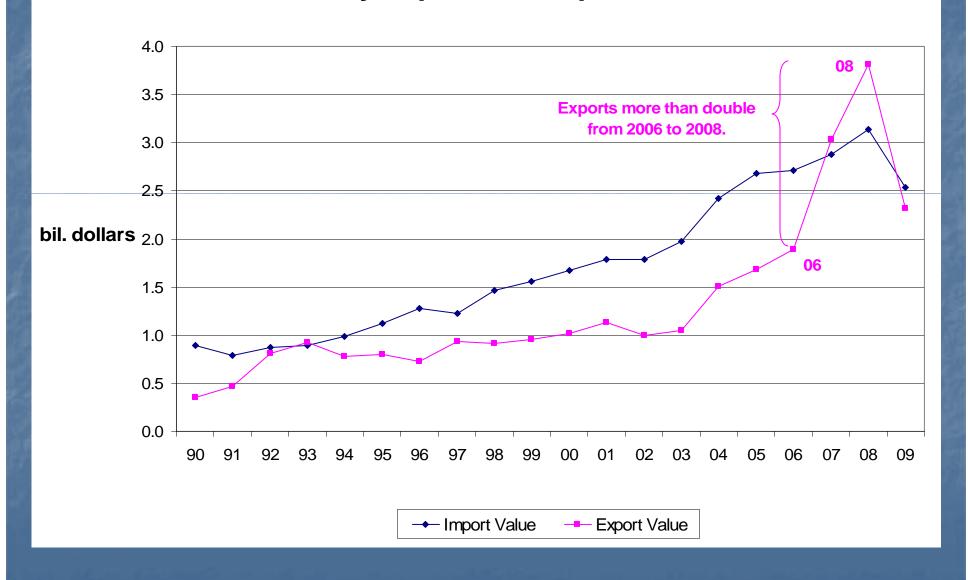




Per capita consumption, milk equivalent fat basis



U.S. Dairy Import and Export Values



All-Milk Price



A Review of the 2009 Dairy Situation

Why did milk prices plunge so low in 2009?

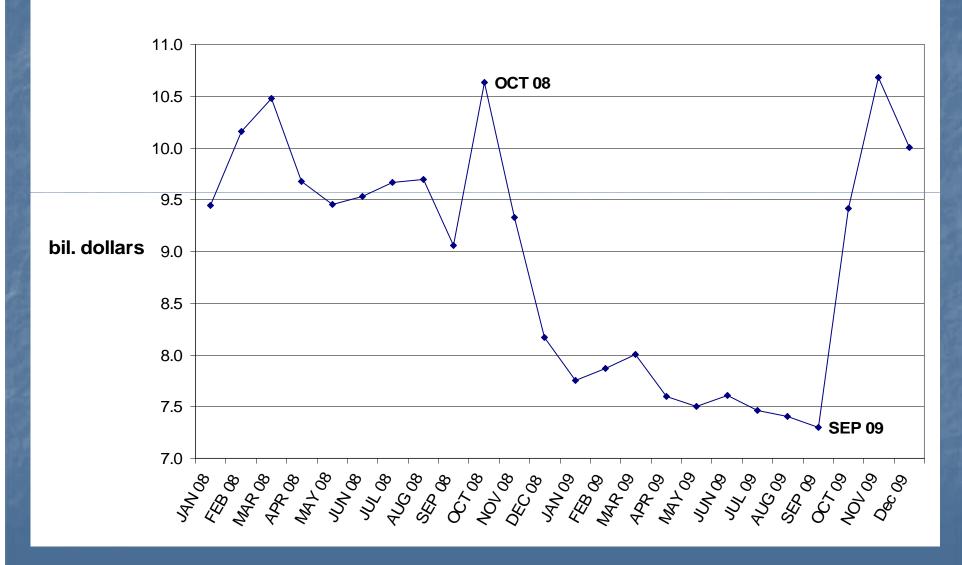
Global Recession

- Recession began December 2007 (National Bureau of Economic Research)
- April 2009 World Economic Outlook of the International Monetary Fund (IMF):
 - Middle quarters of 2008
 - Mild recessions in advanced economies
 - Developing economies grew "at fairly robust rates by past standards."
 - Global situation deteriorated after "the dramatic blowout of the financial crisis in September 2008."
- Federal Reserve Chairman Ben Bernanke, at a Brookings Institution Forum in September 2009:
 - U.S. recession was "very likely over."
 - "... still going to feel like a very weak economy for some time..."

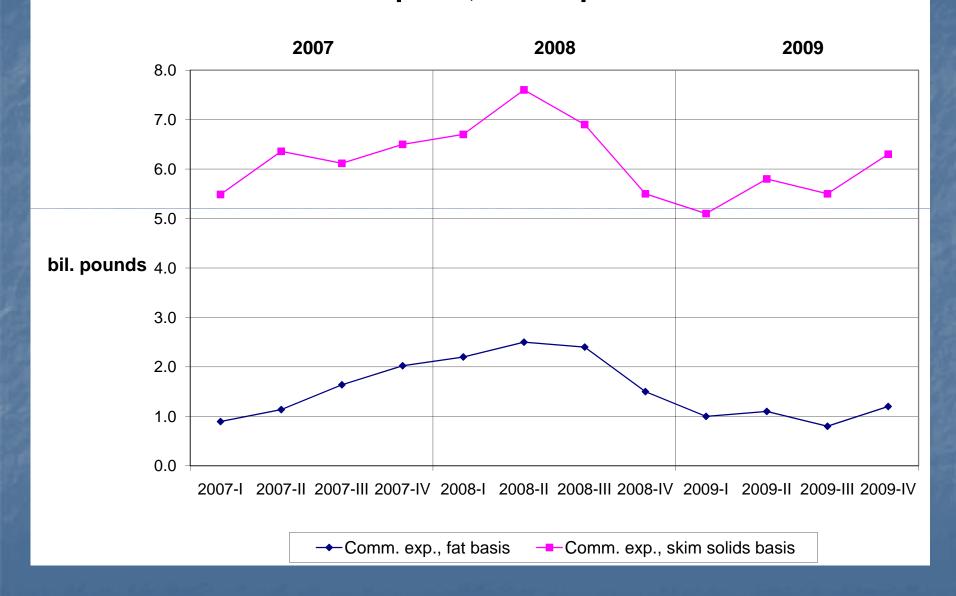
Shift in Food Demand

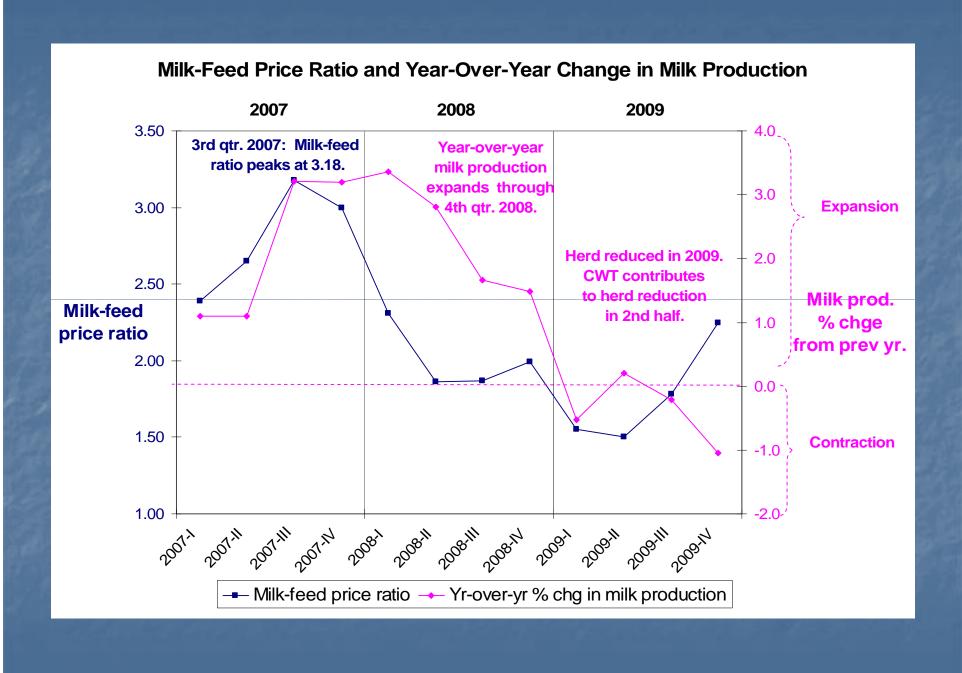
- Food sales decrease in 2009 compared to 2008
 - by 2.3 percent for food at home
 - by 2.2 percent for food away from home
- National Restaurant Association Restaurant Performance Index (RPI)
 - RPI > 100: Expansion
 - RPI < 100: Contraction
 - November 2007: Fell below 100 to 99.0
 - December 2008: Record low at 96.4
 - December 2009: At 98.7, highest level in nearly two years

U.S. Agricultural Exports, 2008-2009

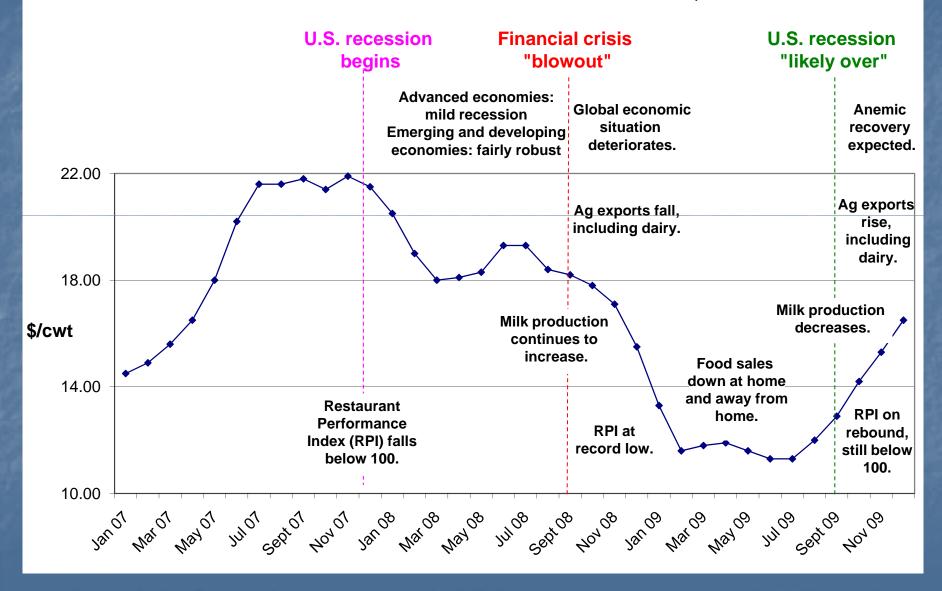


Commercial Exports, Milk Equivalent Basis





All-Milk Price and the Global Economic Recession, 2007-2009



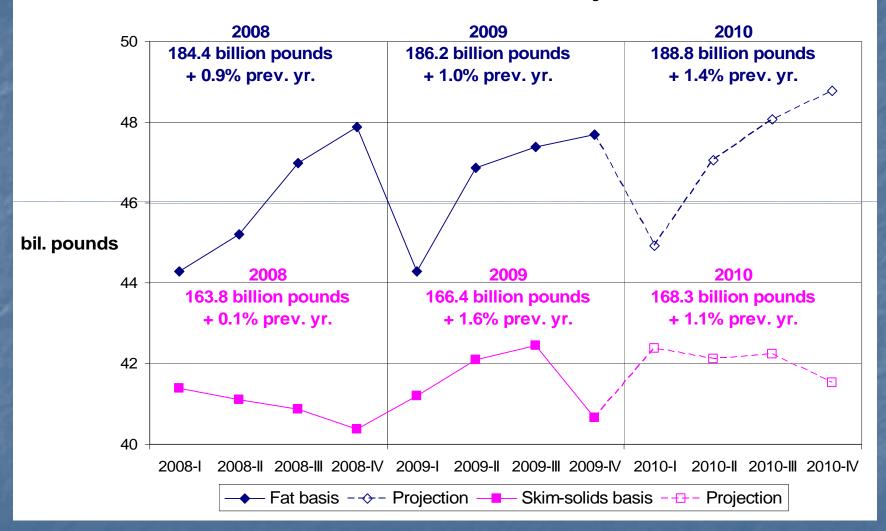
U.S. Government Response to Low Milk Prices of 2009

- Milk Income Loss Contract (MILC) payments
- NDM being bartered or donated
- Dairy Export Incentive Program (DEIP) bids accepted
- Temporary support price increases from Aug. Oct. 2009
- Agricultural Appropriations
 - Direct payments to dairy farmers
 - Purchase of cheese and cheese products
- Loans to dairy farmers
 - Direct loans
 - Guaranteed loans
- Dairy Advisory Committee to review the dairy situation and make suggestions over the next two years

The Outlook for 2010

Will the all-milk price for 2010 be greater than the \$19.21 per cwt level of 2007?





World Markets and Trade Issues (from December 2009 report)

- Concern about government stocks
 - **EU** intervention stocks:

76,400 metric tons of butter 259,300 metric tons of NDM

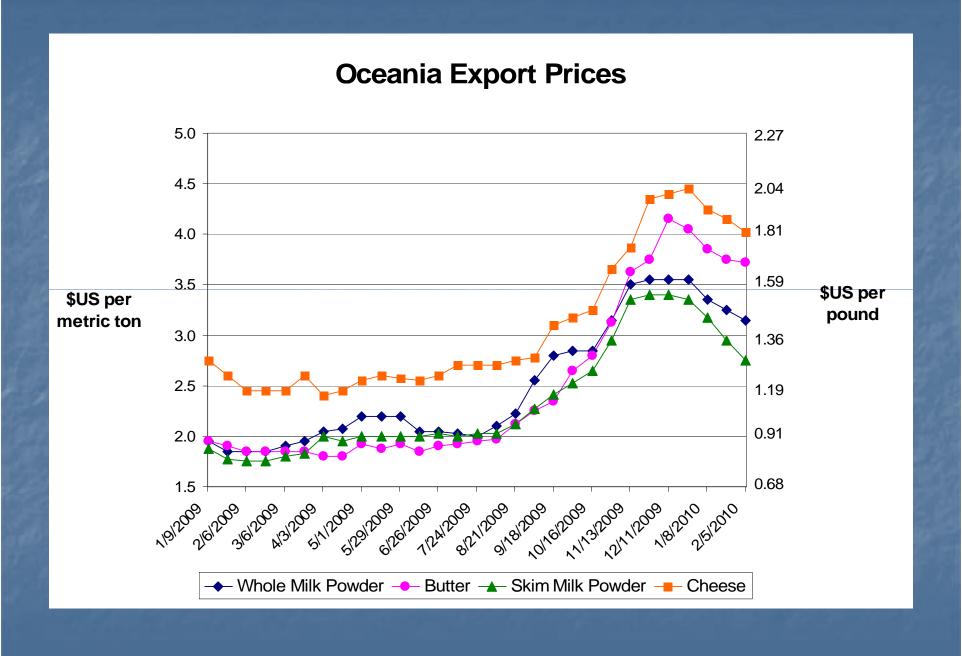
- US uncommitted CCC stocks:27,000 metric tons of NDM
- GDP growth rate forecasts for 2010
 - Developed economies: 2.1%
 - Developing economies: 6.0%

Milk Production Forecasts of Major Exporting Countries (1000 metric tons)

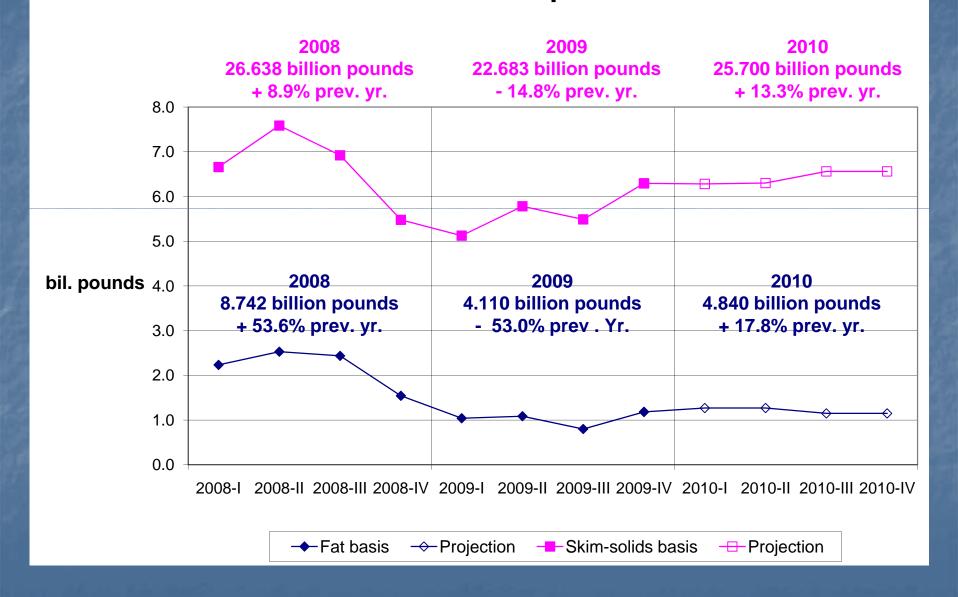
	<u>-</u>		-	
				% change
	2008	2009	2010	'10-'09
Australia	9,500	9,670	9,570	-1.0
EU-27	133,848	133,800	134,000	0.1
New Zealand	15,141	16,601	17,021	2.5
United States	86,183	85,865	85,684	-0.2

Australia, EU-27, and New Zealand forecasts are as of December 2009. US forecast is as of February 2010.

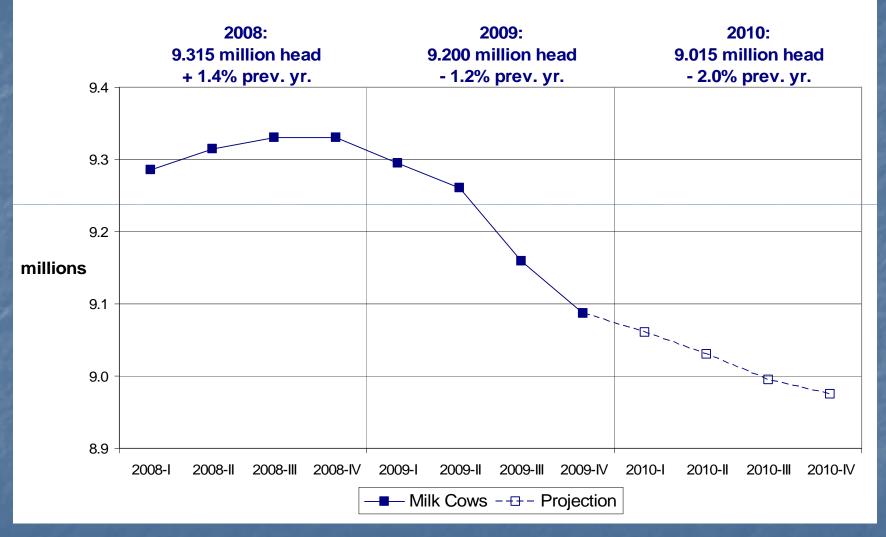
Australia year: July-June, New Zealand year: June-May



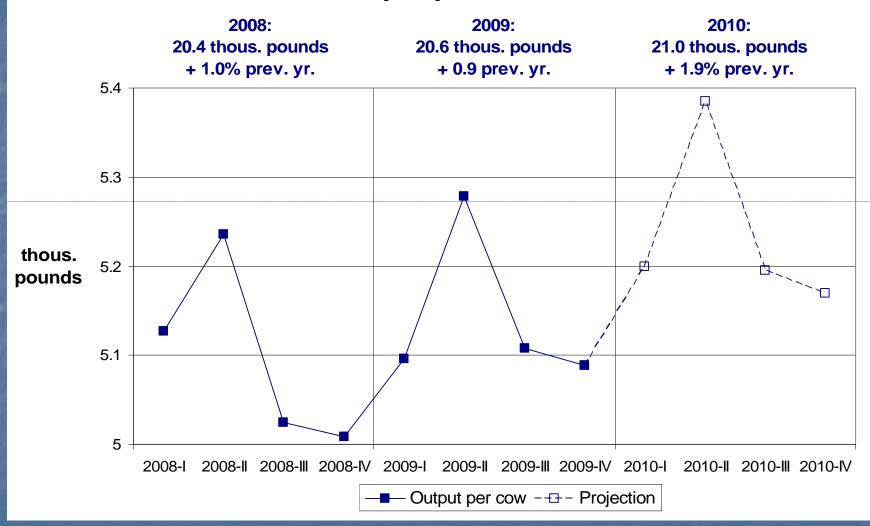
Commercial Exports



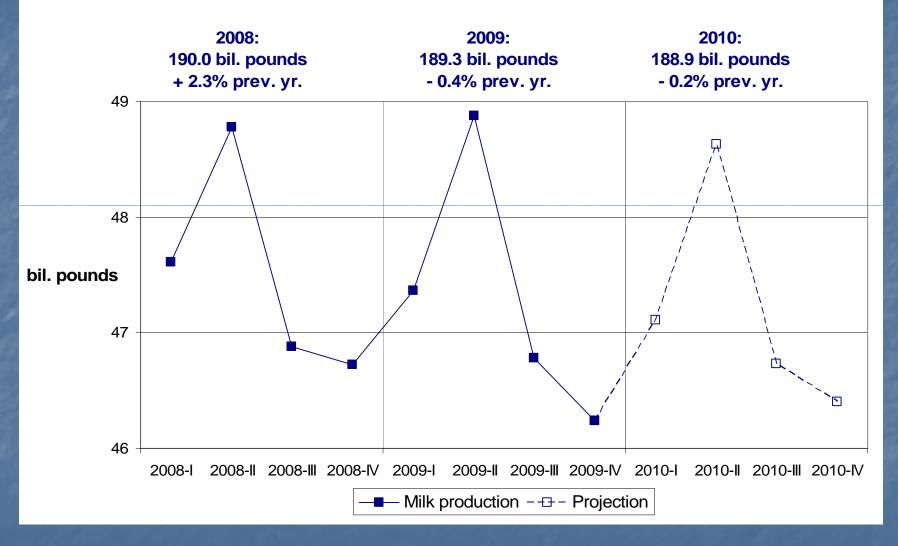




Output per Cow

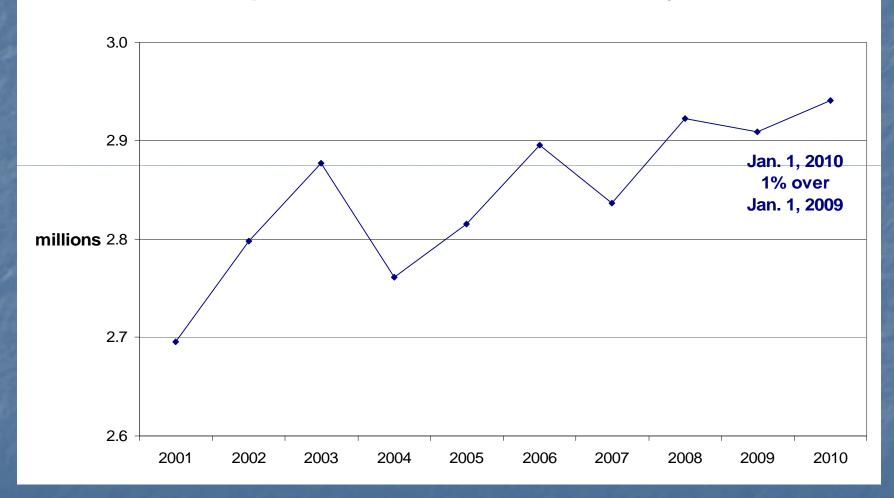


Milk Production



Given the lagged response of milk production to low prices, why do we not forecast a larger decrease in milk production for 2010?

Dairy Replacement Heifers, 500+ Lbs, Expected to Calve, Jan. 1 Inventory



Feed Prices for 2009/10 Marketing Year

Relatively high projections for feed price averages:

Corn: \$3.45 to \$3.95 per bushel

Soybeans meal: \$270 to \$320 per ton

Prices not as high as for 2007/08:

Corn: \$4.20 per bushel

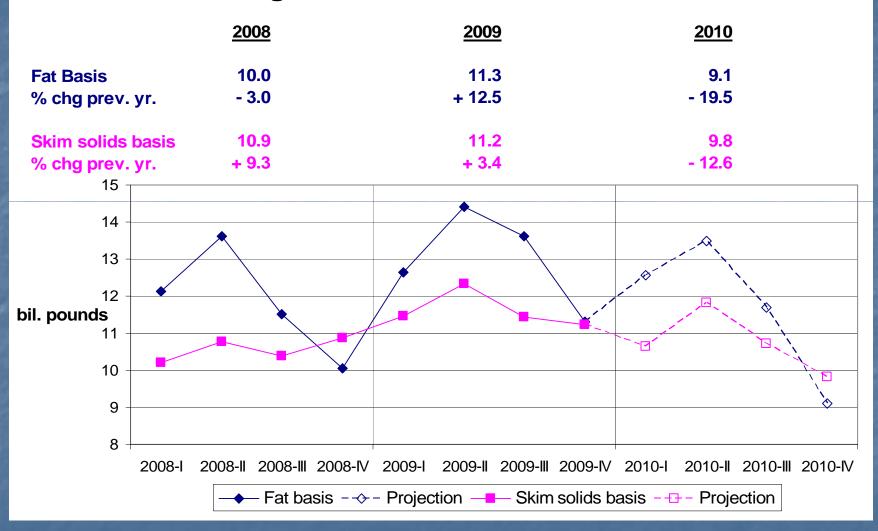
Soybeans: \$335.94 per ton

- Uptick of milk-feed price ratio latter part of 2009
- Expect 2010 milk-feed price ratio higher than for 2009
- Effect:
 - May dampen rate of decline of milk production from that of 2009
 - Probably not sufficient to encourage expansion

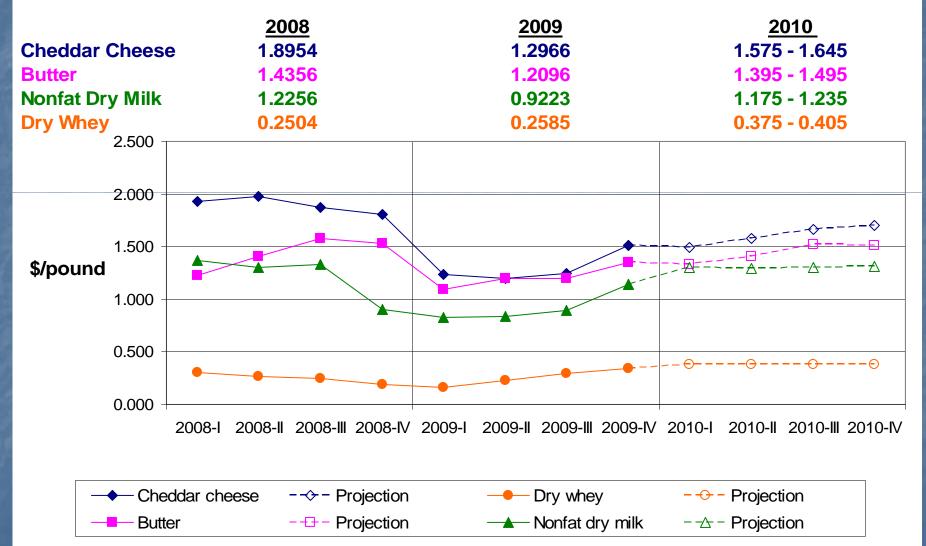
Ending Cheese Stocks in Cold Storage



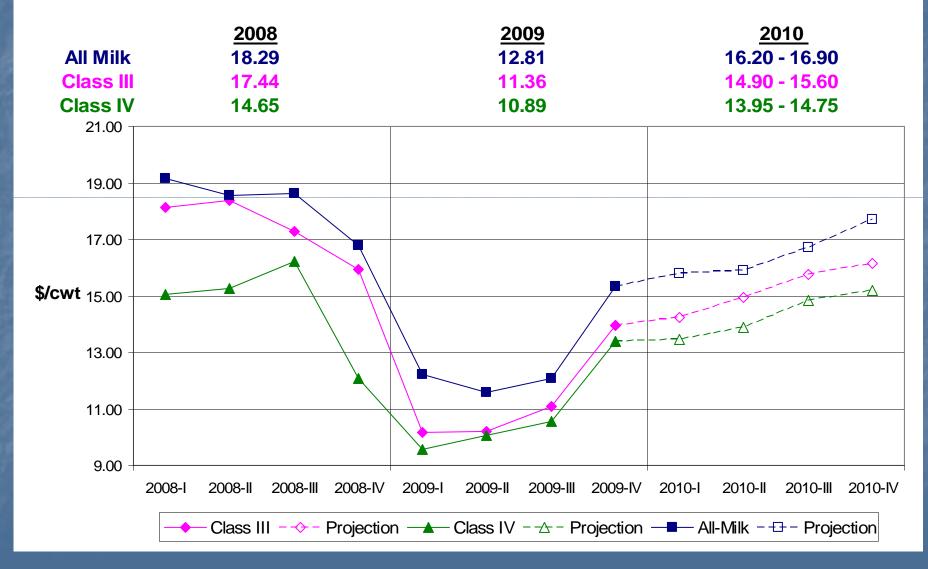








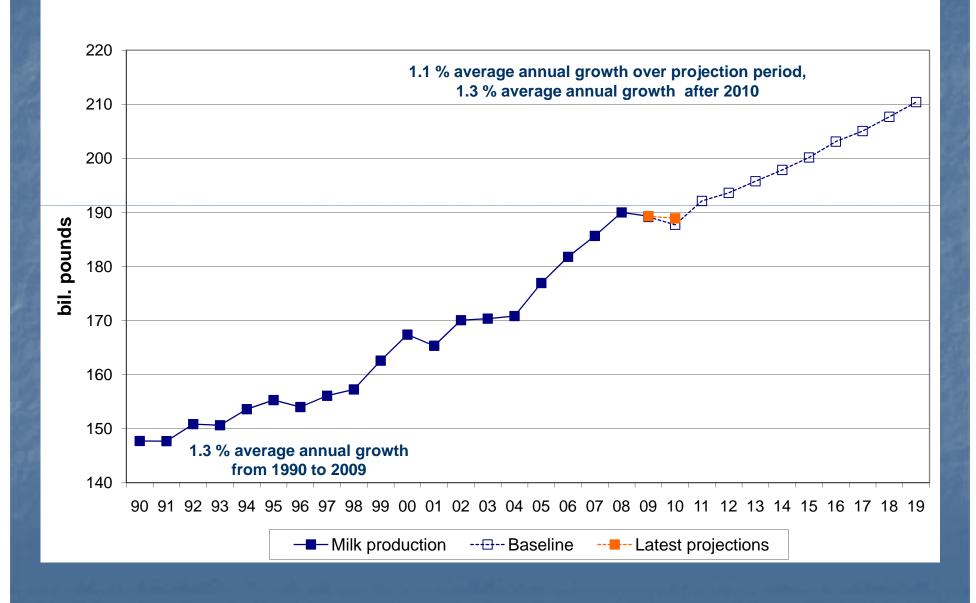




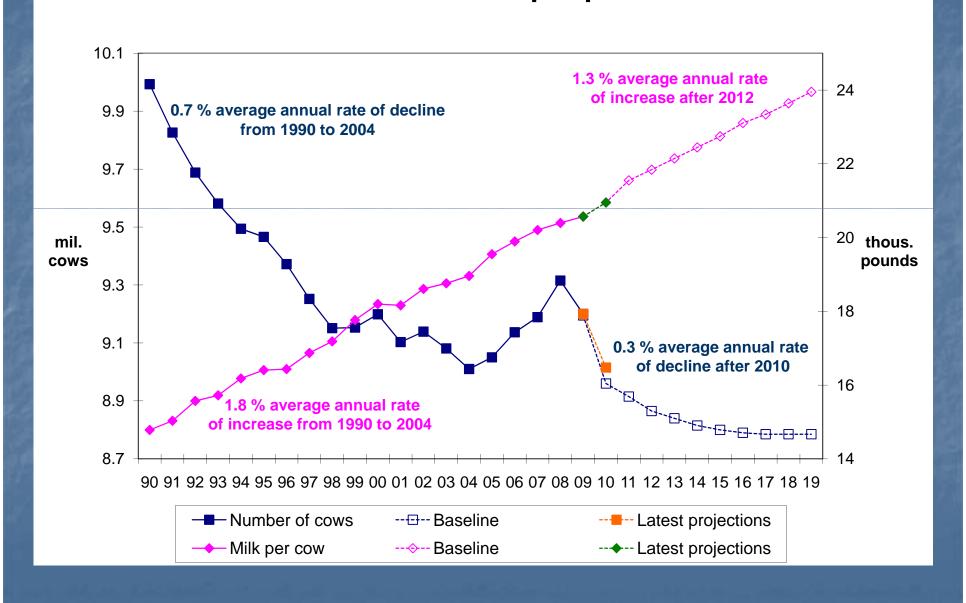
A Few Words About Long-Term Projections

Latest forecasts for 2010 are in the same ballpark as long-term projections.

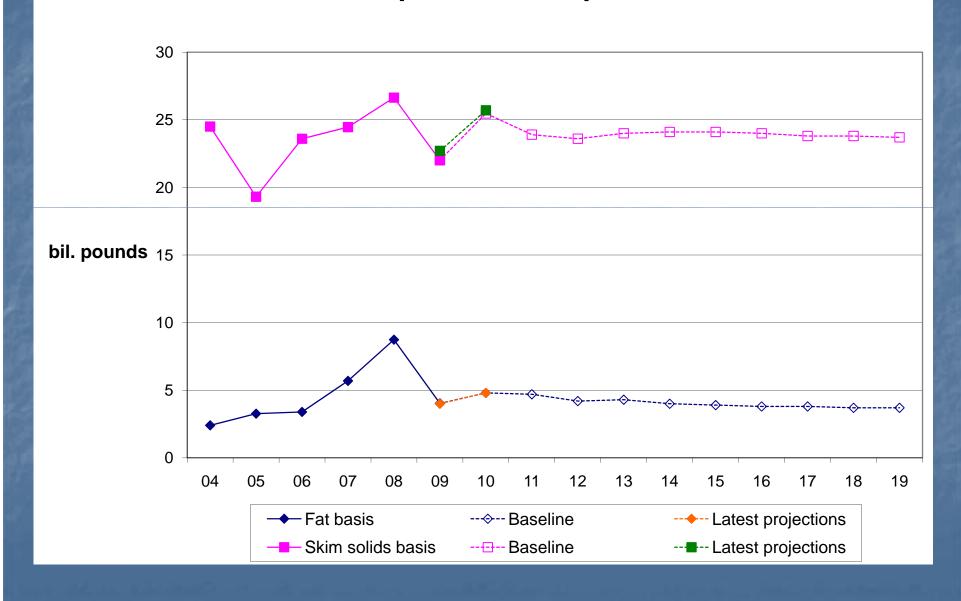
Milk Production



Milk Cows and Output per Cow



Commercial Exports, Milk Equivalent Basis



All Milk Price (\$/cwt)

