

DIFFERENCES BETWEEN FUTURES, OPTIONS, LGM, MILC AND MARGIN INSURANCE

Invitational Meeting For Dairy Economists and
Policy Analysts

May 5, 2011

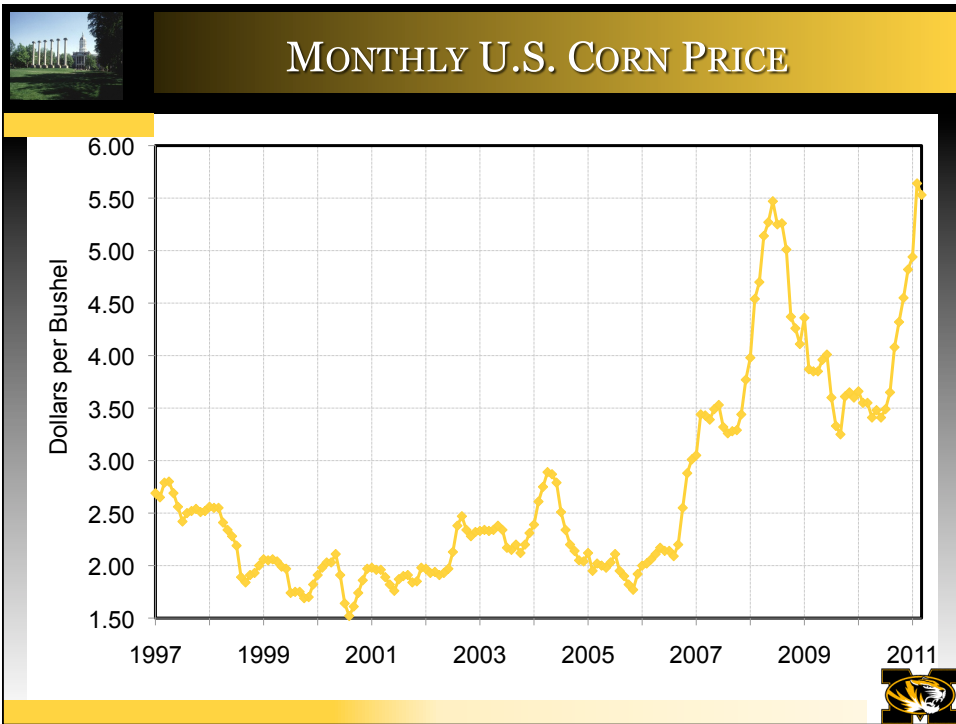
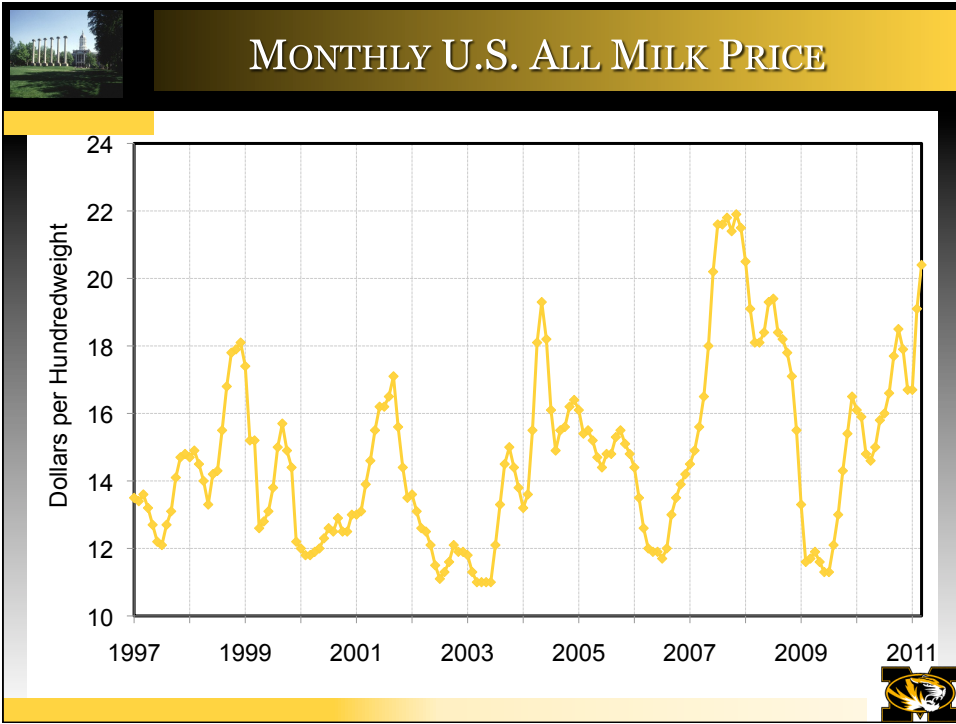
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WHAT WE WILL LOOK AT TODAY

-  **Market Tools**
 - Futures Markets
 - Options
 - LGM-Dairy
 - All market participants
-  **Government Policy Alternatives**
 - Milk Income Loss Contract (MILC) Program
 - Foundation for the Future Margin Insurance (DPMPP)
 - Producer-focused alternatives
-  **No single program works in all circumstances**
-  **Each of programs are tools available in the toolbox**





FUTURES CONTRACTS

Class III Milk Contract Specifications

- 200,000 pounds of class III milk
- Traded every calendar month
- \$0.75 per cwt relative to previous day
- Cash settled

Class IV Milk Contract Specifications

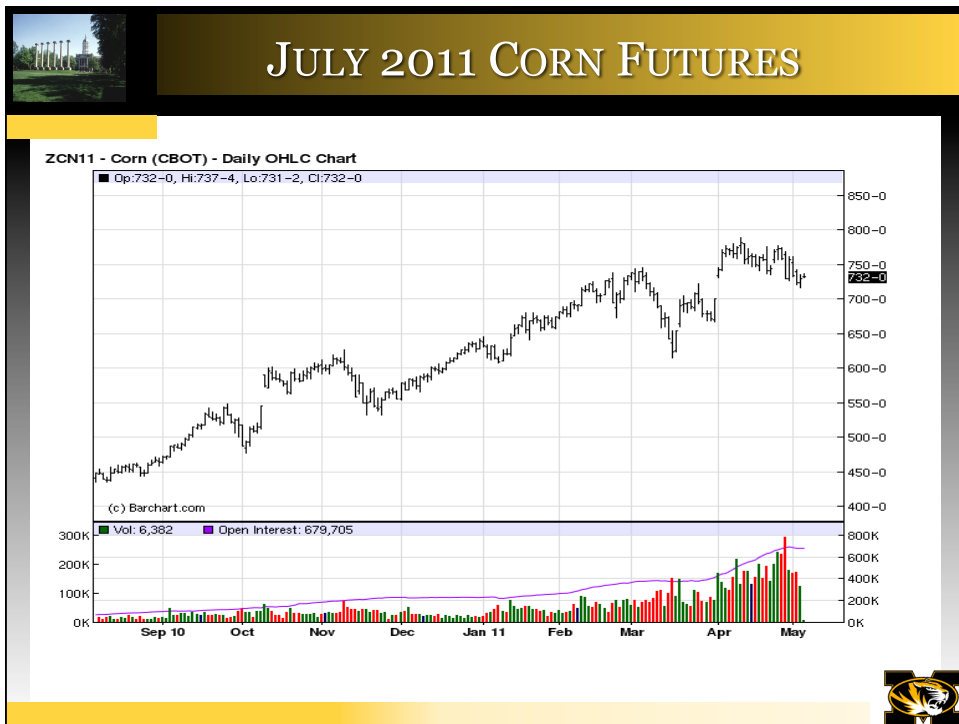
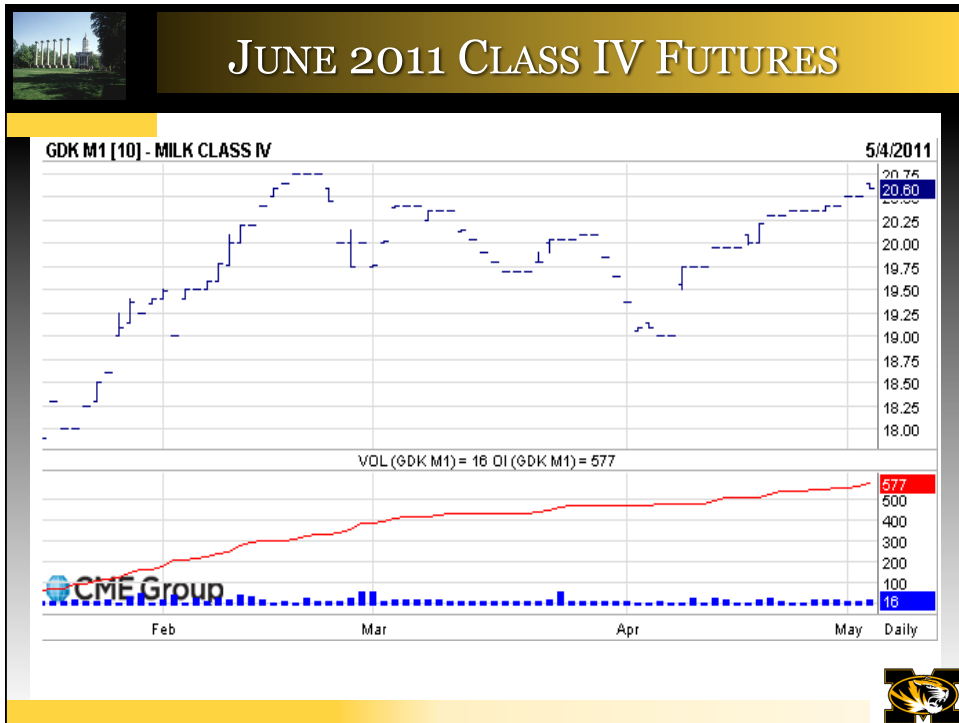
- 200,000 pounds of class IV milk
- Traded every calendar month
- \$0.75 per cwt relative to previous day
- Cash settled



JUNE 2011 CLASS III FUTURES






DLM11 - Class III Milk (CME) - Daily OHLC Chart













FUTURES MARKETS

-  Gives buyers and sellers a chance to reduce risk or hedge on their inputs and outputs
-  Market participants could be subject to margin calls if markets move against their position
-  Producers still subject to basis risk – their cash price less futures price
-  Minimum contract sizes can be too large for small participants
-  Volume of contracts can create challenges at times



OPTIONS OFFER ANOTHER RISK REDUCING ALTERNATIVE


-  An option is the right to buy or sell a futures contract at a specific price and expiration date.
-  Put – The right to sell a futures contract – Protects against down markets
-  Call – The right to buy a futures contract – Protects against rising prices
-  Options require a premium to be paid up front but then there are no margin calls
-  Option size – One futures contract
-  Provides insurance against market moves










JUNE 2011 CLASS III OPTIONS


Trade Date	Premium	Strike	Option Type
05/04/2011	\$4.04	\$13.25	Call
05/04/2011	\$3.04	\$14.25	Call
05/04/2011	\$2.05	\$15.25	Call
05/04/2011	\$1.13	\$16.25	Call
05/04/2011	\$0.09	\$16.25	Put
05/04/2011	\$0.41	\$17.25	Put
05/04/2011	\$1.08	\$18.25	Put
05/04/2011	\$1.98	\$19.25	Put




LIVESTOCK GROSS MARGIN - DAIRY



-  Started in August 2008, revised December 2010
-  Protects producer margins via Class III, corn and soybean meal futures
-  Specific timing to purchase LGM-Dairy – last business Friday of the month through 8:00 PM the following day
-  Offered 12 times a year over a 11 month rolling period









LIVESTOCK GROSS MARGIN - DAIRY

-  Premium subsidy available for policies that insure multiple months – depends on the deductible level
 - \$0 – 18% subsidy
 - \$2 – 50% subsidy
 - Premium due at the end of the coverage period
-  Feed quantities have bounds
 - Corn – 0.00364 to 0.0381 tons
 - Soybean meal – 0.000805 to 0.013 tons
 - Defaults, corn 0.014, meal 0.002
-  No minimum number of hundredweights- maximum 24 million pounds per crop year

LIVESTOCK GROSS MARGIN - DAIRY

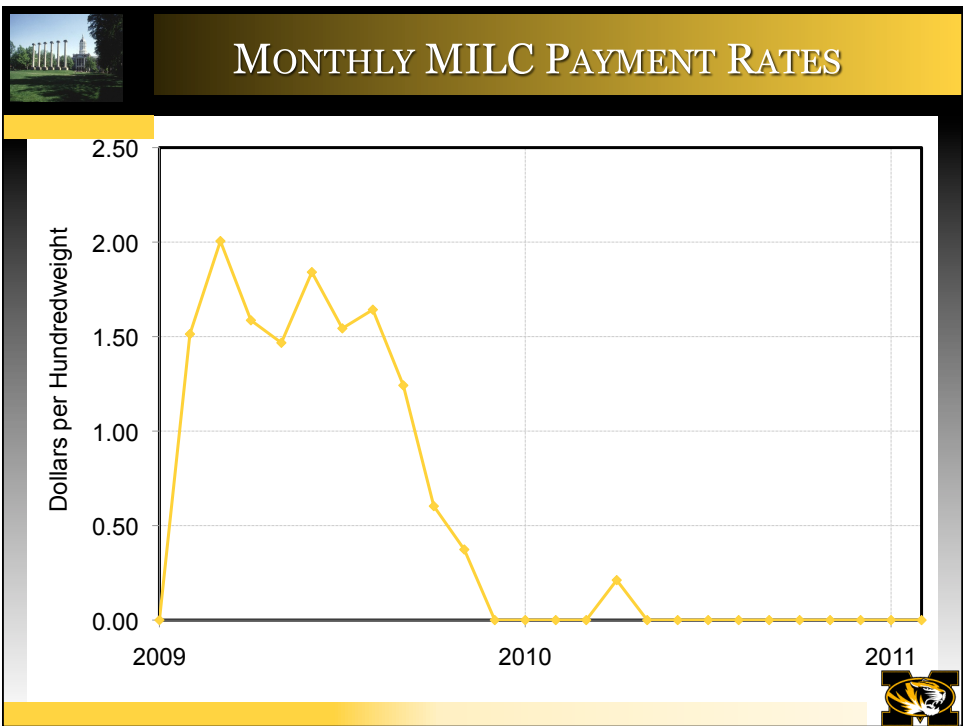
-  How well does Class III, corn and soybean meal prices represent a producer's margin
-  LGM-Dairy currently unavailable since only \$20 million available for pilot programs in livestock
-  2011 Summary Data
 - 1,409 contracts
 - \$10.7 million in premium subsidies







MILK INCOME LOSS CONTRACT (MILC) PROGRAM

- **October 2008 through August 2012**
 - 45% of the price difference
 - 2.985 million pound cap
- **January 2008 through August 2012**
 - Dairy feed ration cost adjustment \$7.35
 - Calculate the trigger price as 45% of the percentage dairy feed ration exceeds \$7.35
- **Revert to pre-2008 farm bill levels after August 2012**
 - 34% of the price difference
 - 2.4 million pound cap
 - Dairy feed ration cost adjustment increases to \$9.50

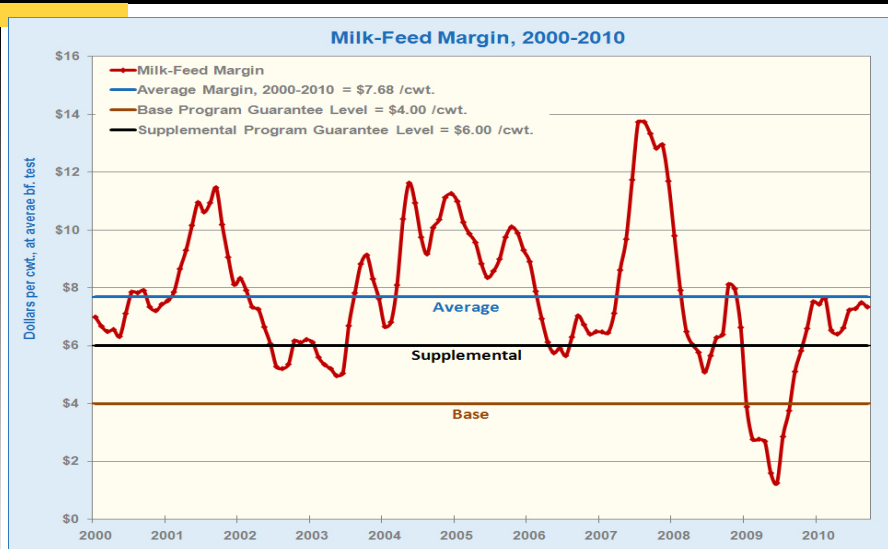



FOUNDATION FOR THE FUTURE

- 
Margin Insurance Protection (DPMPP)
- 
U.S. All Milk Price less Feed Cost : [1.192 x price of corn/bu.] + [0.00817 x price of soybean meal/ton] + [0.0152 x price of alfalfa hay/ton]








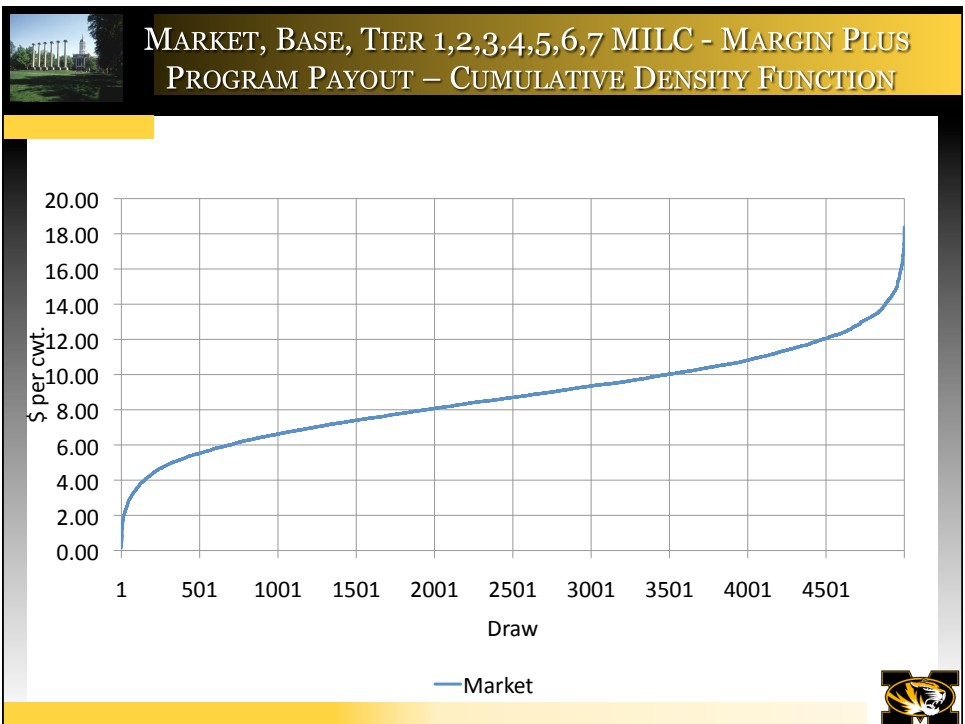
MARGIN PROTECTION KEY TO FFTF

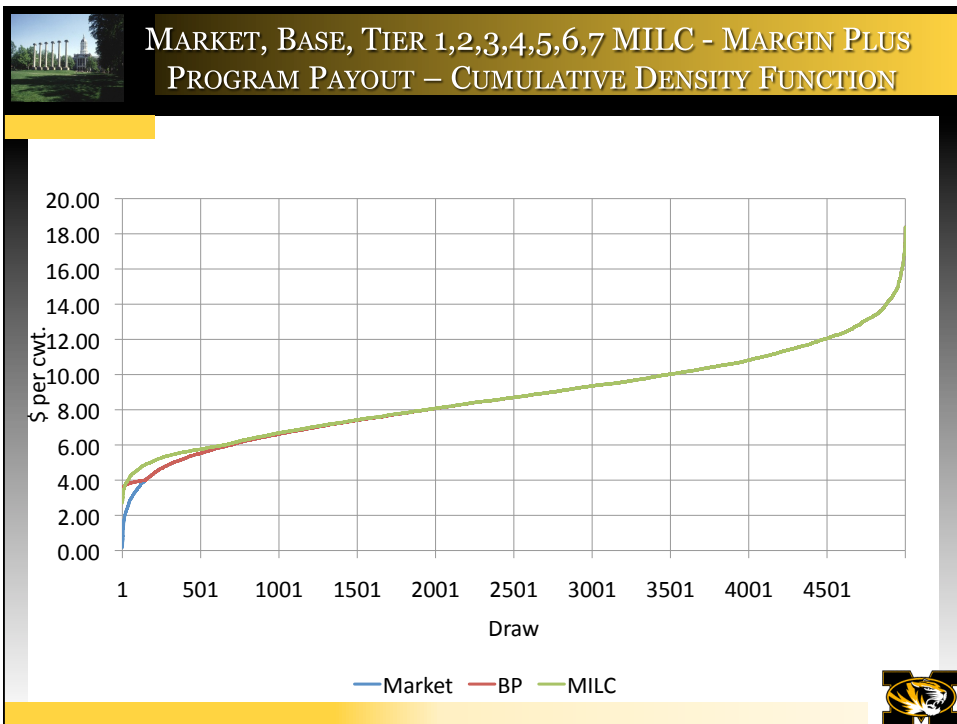
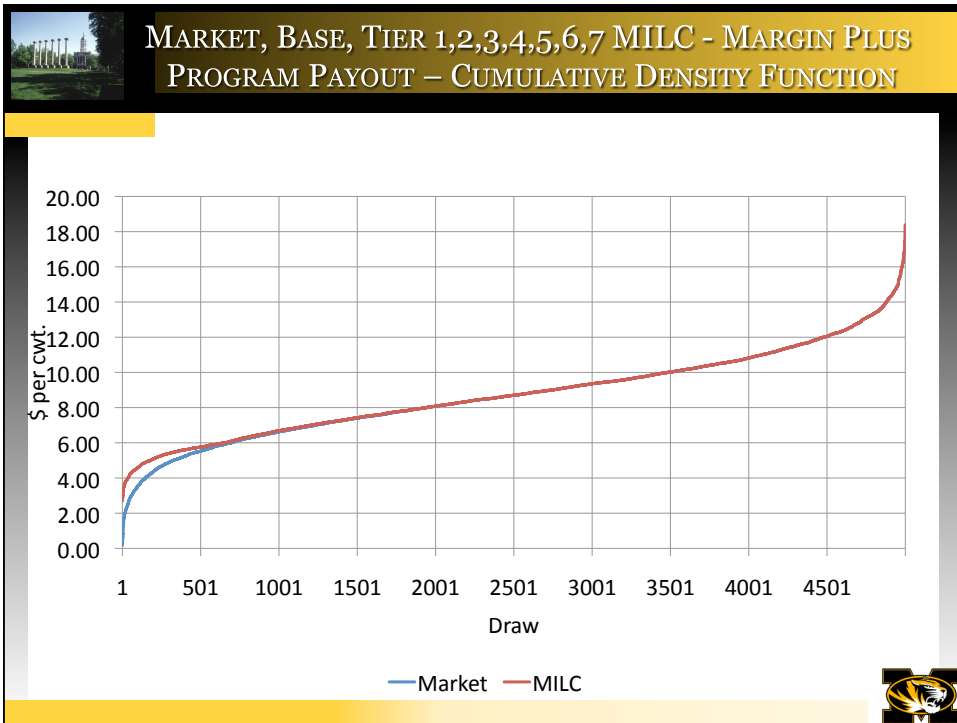





DPMPP OPERATION

-  **Voluntary Program**
-  **2 levels of coverage:**
 - Base Plan – program available to all producers at no cost
 - Supplemental Plan – program available to all producers seeking additional coverage
 - Coverage choices made for the life of the farm bill
-  **Margin guarantees are fixed for Farm Bill duration**
-  **Will not cover new production beyond milk base, 90 % of historical base eligible**









EACH PROGRAM PROVIDES ALTERNATIVE RISK PROTECTION

- Important for participants to understand production costs
- MILC and margin insurance provide longer-run margin risk protection for producers
- Futures, options and LGM-Dairy provide shorter-run risk options
- All of these opportunities to reduce risk can be complementary
 - Growing operation
 - Government versus market risk reduction
- Producers can/should use all of these tools at the “right” time for them
- There is no single “right” answer
- Education on the use of these tools needs to continue



QUESTIONS

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JOE OUTLAW'S FARMING OPERATION

