LGM-Dairy: Livestock Gross Margin for Dairy

Victor E. Cabrera

Assistant Professor Extension Dairy Specialist Dairy Science Department



Brian W. Gould

Associate Professor Ag and Applied Economics





LGM-Dairy: What is it?

- New Livestock Gross Margin for Dairy Insurance
 - Federally reinsured dairy insurance program
 - Purchased from crop insurance providers
 - Approved July 2007, available August 2008
- Protects Dairy Business against Unexpected declines in Gross Margins
 - Gross Margin = Milk Revenue Feed Costs
- Revenue neutral (No subsidies)
 - o Premium = Expected Indemnity



LGM-Dairy: What impacts the premium?

- Insured milk and insured feed (selected)
- Deductible level (selected)
- Average futures prices and their volatility (market determined)

















LGM-Dairy: Who is eligible?

Milk producers of 32 states





LGM-Dairy: What it covers?

Prices of:

- Any milk volume of producer's target marketing for a 10-month period (up to 240,000 cwt)
- Amount of corn and soybean meal equivalents to be fed during insurance period restricted to be in range:
 - 0.00364 0.02912 tons corn/cwt milk
 - 0.13 1.04 bu corn/cwt milk
 - 0.000805 0.006425 tons SBM/cwt milk
 - 1.61 12.85 lb SBM/cwt milk

LGM-Dairy: What it does not cover/protect?

- Production losses
- Risk of dairy cattle death
- Unexpected decrease in milk production or increase in feed use
- Multiple years of declines in milk prices or increases in feed costs
- Anticipated declines in milk prices or increases in feed costs





LGM-Dairy: What farmer needs to decide?

Three main things to consider:

- Percentage (%) of target marketings to be insured (0% to 100%)
- Level of Gross Margin Deductible or risk assumed
 - \$0 to \$1.50/cwt in \$0.1 increments
- Months to insure





LGM-Dairy: What farmer needs to provide?

Estimates of:

- Target milk marketing per insured month
- Expected feed per insured month
 - Corn and corn equivalents
 - Soybean meal and soybean meal equivalents
 - Feed Conversion software downloadable from our website
- Verifiable records should be available



LGM-Dairy: What is the insurance Period?

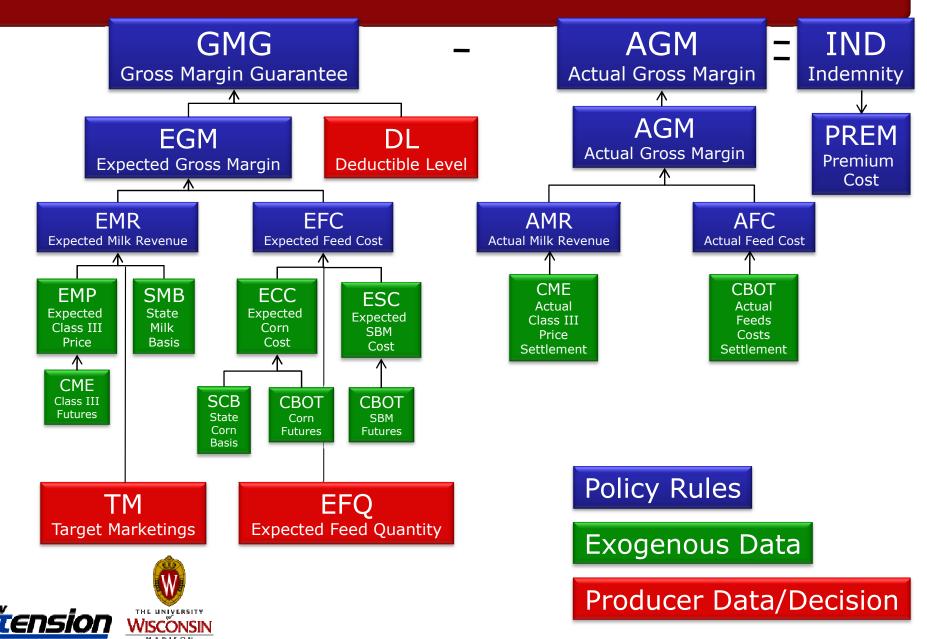
Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
		1	2	3	4	5	6	7	8	9	10
LGM- Dairy	No Coverage	Insurance Coverage									
Selected Covered Months								May			Aug



→ From 4 pm on 3rd to last business day to to 9 am following day (17-hour period)



LGM-Dairy: How it works?



LGM-Dairy: What are expected prices?

Average of future prices over 3-day price discovery period (CME/CBOT):

- Class III
- Corn
- Soybean meal





LGM-Dairy: What are "actual" prices?

Average of settle prices over 3 days prior to last futures contract trading day (CME/CBOT):

- Class III
- Corn
- Soybean meal





LGM-Dairy: What are prices basis?

State and month basis:

- Difference between All-Milk and "actual" Class III CME/CBOT futures price
- Difference between corn price received and historical average "actual" CME/CBOT futures price





LGM-Dairy: What is the premium?

Premium is the average of expected indemnities in the long-run:

- Proportional to the insured milk and insured feed
- Increases with price volatility
- Decreases with elected deductible (\$0 to \$1.5/cwt in \$0.1 increments
- Decreases when all months insured together
- Estimates available in RMA website





LGM-Dairy: Overview

Advantages:

- Unique bundled insurance protects the margin: milk price less feed cost
- Very flexible and customizable
- Offered every month of the year

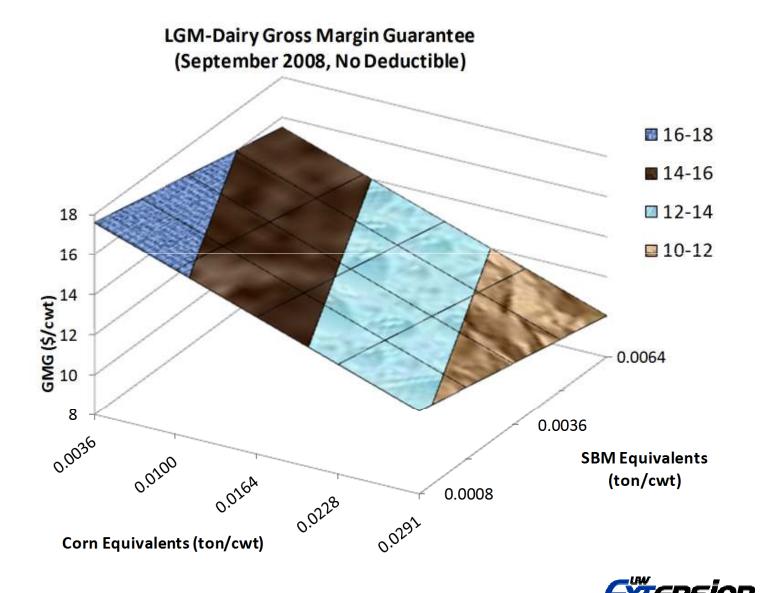
Drawbacks:

- Very short enrollment period
- Total premium due at sign-up
- No farmer subsidies available
- Limited capacity



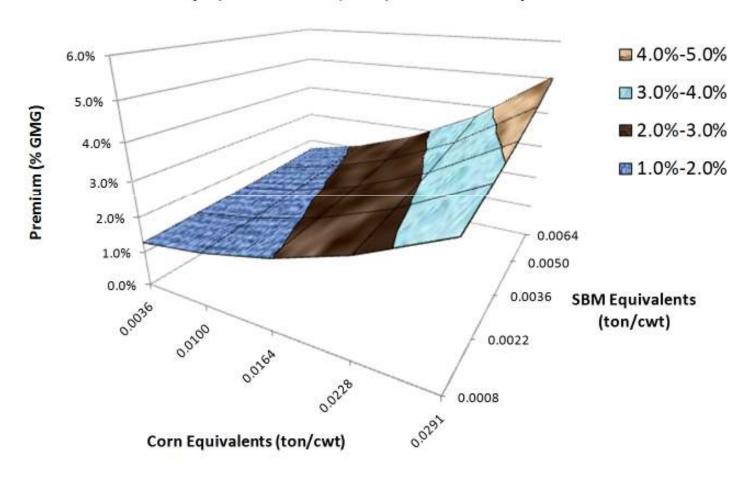


LGM-Dairy: Aug 08 (Oct 08 – Jul 09)



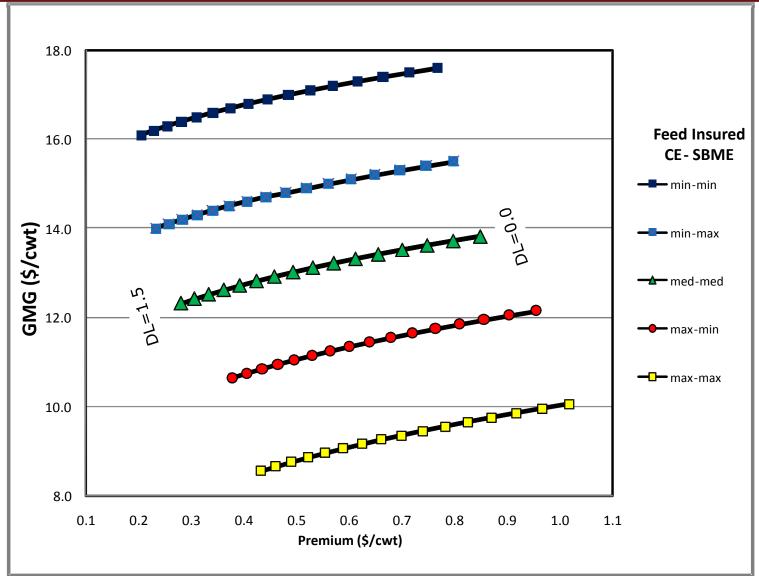
LGM-Dairy: Aug 08 (Oct 08 – Jul 09)

LGM-Dairy Gross Margin Guarantee (September 2008, \$1.5/cwt deductible)



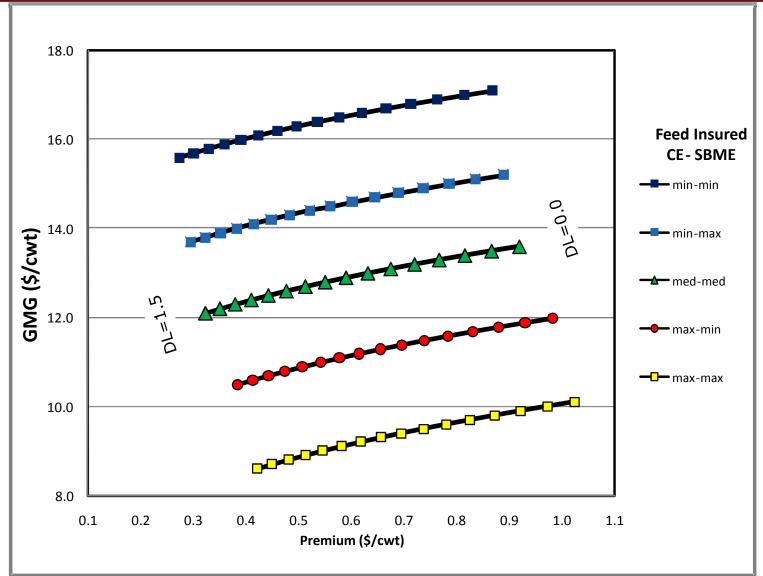


LGM-Dairy: GMG and Premium (Aug 2008)



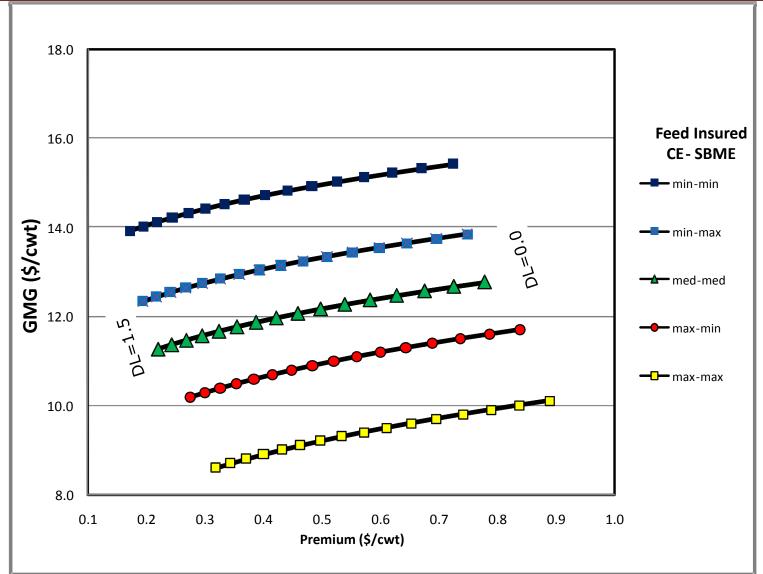


LGM-Dairy: GMG and Premium (Sep 2008)



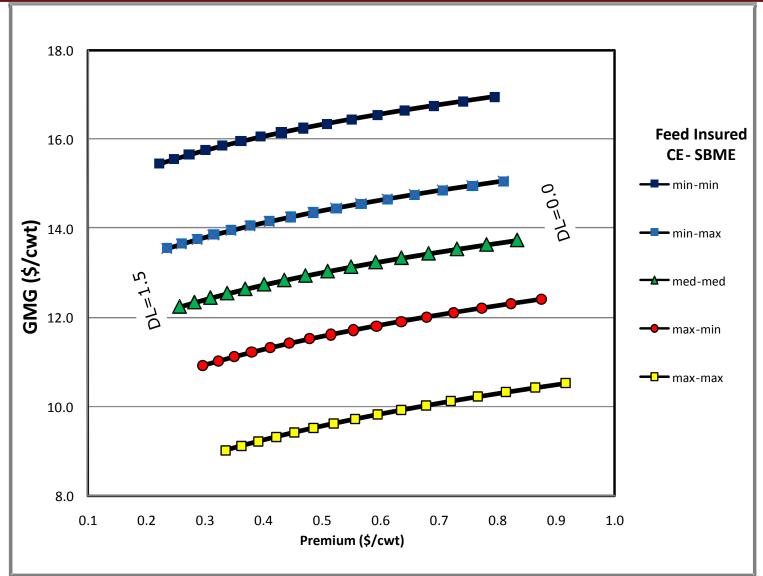


LGM-Dairy: GMG and Premium (Oct 2008)

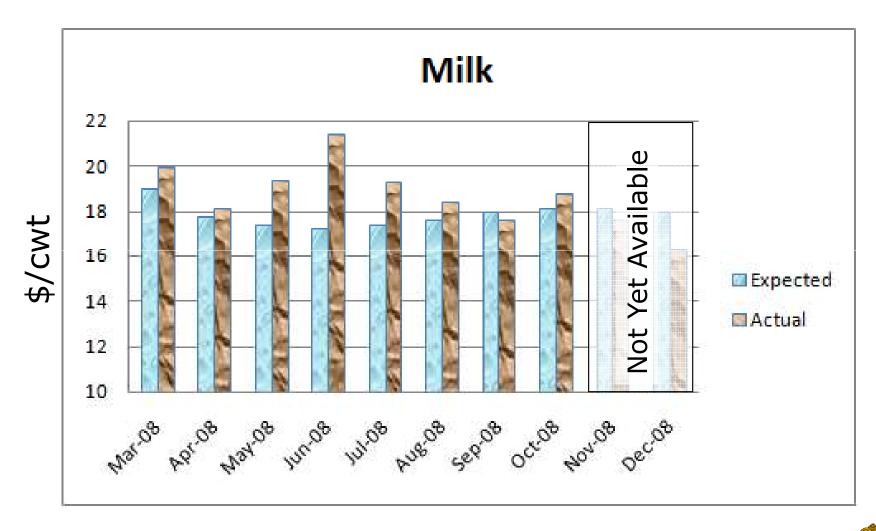




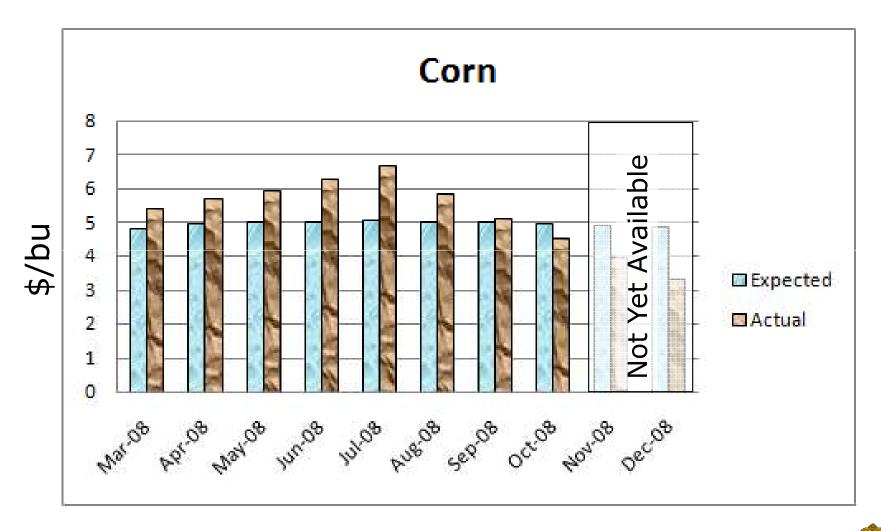
LGM-Dairy: GMG and Premium (Jan 2008)



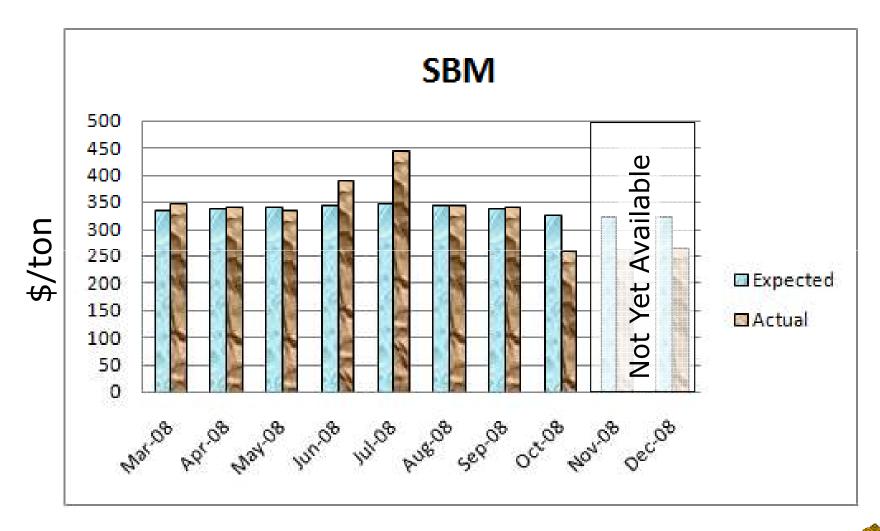






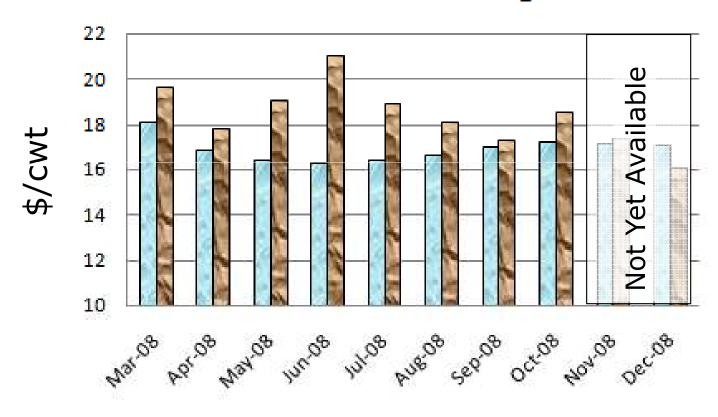








Gross Margin



Would have paid: \$0.00/cwt in indemnities

■ Expected

■ Actual

Would have cost: \$0.87/cwt in premium



LGM-Dairy: Livestock Gross Margin for Dairy Livestock Wisconsin Farm Management Update Seminar

Victor E. Cabrera

Assistant Professor Extension Dairy Specialist Dairy Science Department



Brian W. Gould

Associate Professor Ag and Applied Economics





http://www.uwex.edu/ces/dairymgt/dairy.cfm http://future.aae.wisc.edu/

UW LGM-Dairy Website:

http://future.aae.wisc.edu/lgm_dairy.html