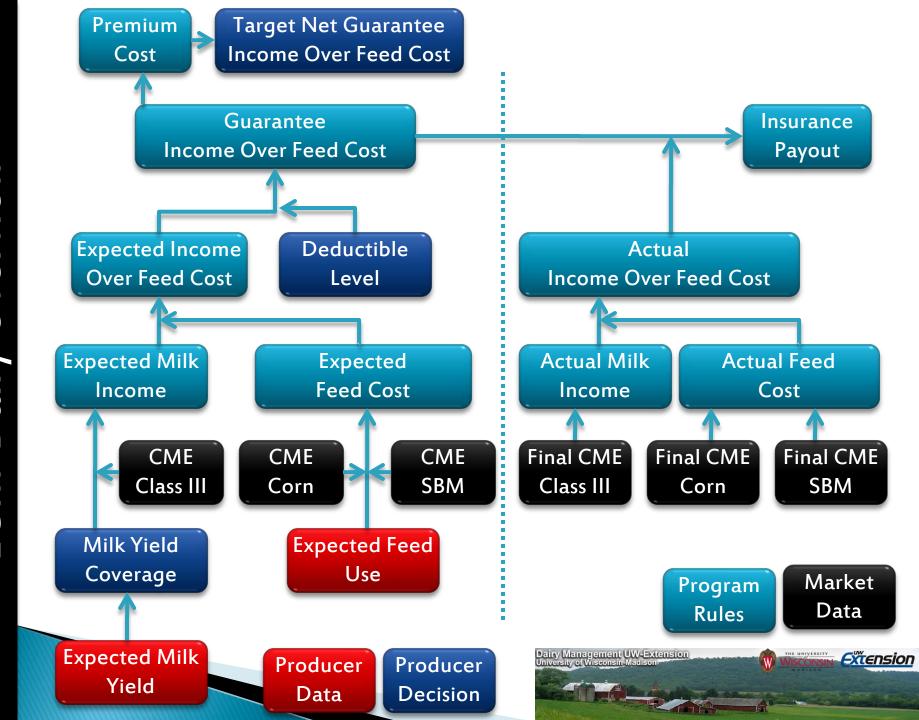


Livestock Gross Margin for Dairy Insurance

Progressive Operators - Lakeshore Technical College - 28 January 2011

Did you know...?





Timeline

Purchase Contract

		Next 10 Months									
This Month	Next Month	Insu	Insure Any Proportion (0–100%) of Milk Expected to be Produced								
		1	2	3	4	5	6	7	8	9	10

Collect Indemnity, If Any



Did you know...?

Premium Cost

Up to 50% SUBSIDY!

Premium Payment

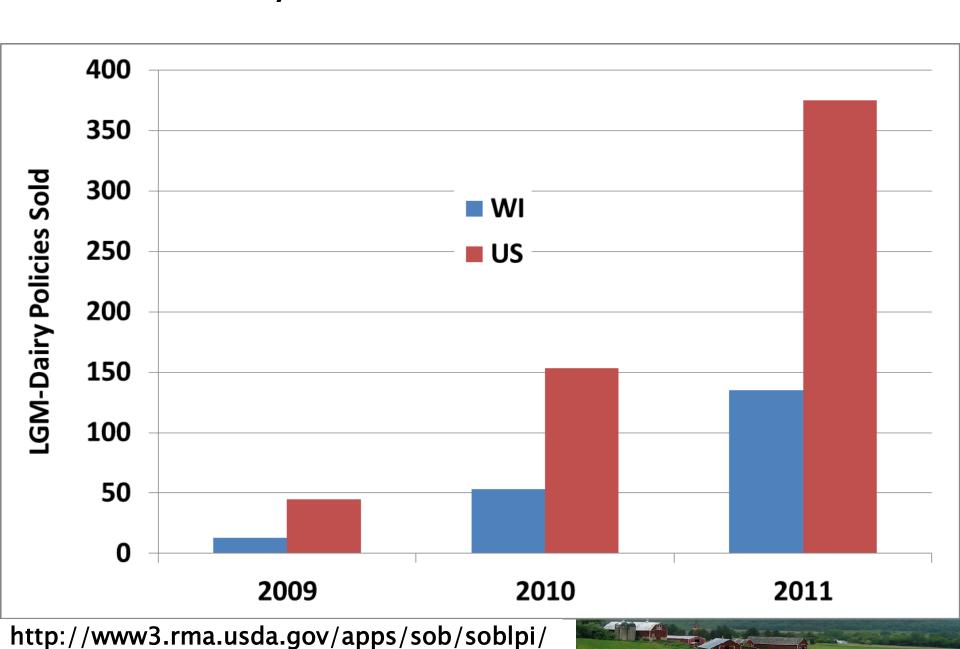
Due at the **END** of Contract!

Deductible Level

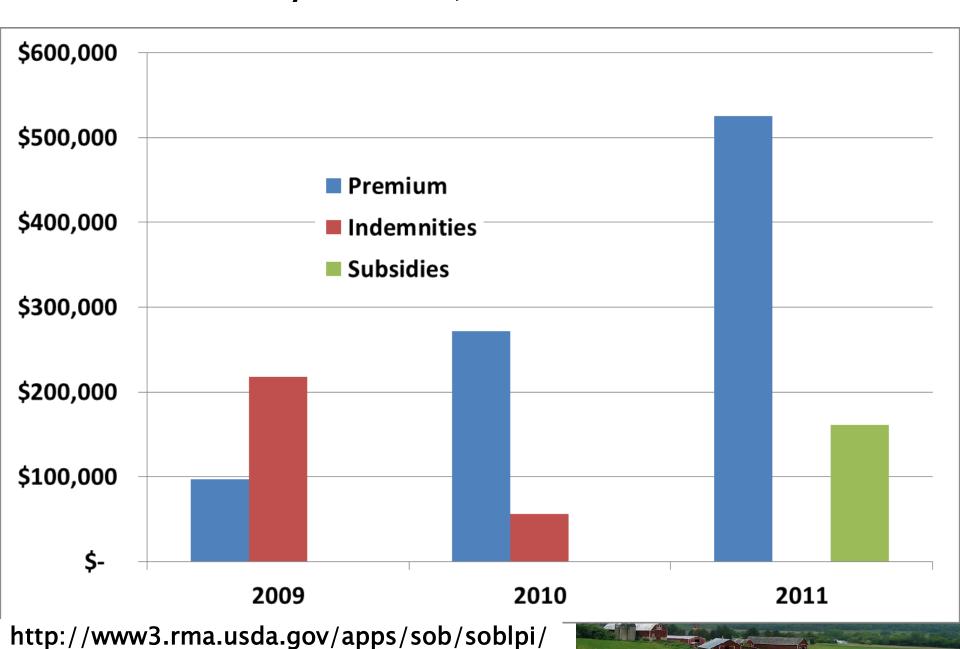
Up to \$2/cwt milk!



LGM-Dairy Policies Sold in Wisconsin and the US



LGM-Dairy Premium, Indemnities and Subsidies



If you have saved CSV data from a previous run, you can upload it instead of typing in your farm's data again

Upload a file

Input

http://dairymgt.info/lgm.php http://future.aae.wisc.edu/lgm_analyzer/

Insurance contract month: 2010 Dec

Choose your deductible level \$ 1.0 \(\cdot / \)cwt

Feed Values: Enter Manually Lowest Allowed Default Highest Allowed

Coverage Month	. Pr	roduction (cwt)		orn Equiv (tons)		pean Equiv (tons)	% covered	Monthly	/ Gross Ma	rgin
Month Year	Milk Qty.	Covered Milk × Expected Price = Milk Revenue	Corn Qty.	Covered Corn × Expected Price = Corn Cost	SBM Qty.	Covered SBM × Expected Price = SBM Cost		Milk Revenue - Corn Cost - SBM Cost - (Deductible × Milk Qty.)	\$/cwt of Farm Milk	\$/cwt of Covered Milk
☑ Feb 2011	2000	2,000 cwt × \$13.39/cwt = \$26,780	28	28 tons × \$5.81/bu = \$5,810	4	4 tons × \$347.49/ton = \$1,390	100	17,580	8.79	8.79
☑ Mar 2011	2000	2,000 cwt × \$13.78/cwt = \$27,560	28	28 tons × \$5.89/bu = \$5,890	4	4 tons × \$349.07/ton = \$1,396	100	18,274	9.14	9.14
✓ Apr 2011	2000	2,000 cwt × \$14.19/cwt = \$28,380	28	28 tons × \$5.93/bu = \$5,930	4	4 tons × \$349.35/ton = \$1,397	100	19,053	9.53	9.53
☑ May 2011	2000	2,000 cwt × \$14.32/cwt = \$28,640	28	28 tons × \$5.97/bu = \$5,970	4	4 tons × \$349.63/ton = \$1,399	100	19,271	9.64	9.64
☑ Jun 2011	2000	2,000 cwt × \$14.61/cwt = \$29,220	28	28 tons × \$5.99/bu = \$5,990	4	4 tons × \$349.90/ton = \$1,400	100	19,830	9.92	9.92
☑ Jul 2011	2000	2,000 cwt × \$15.07/cwt = \$30,140	28	28 tons × \$6.01/bu = \$6,010	4	4 tons × \$350.17/ton = \$1,401	100	20,729	10.36	10.36
☑ Aug 2011	2000	2,000 cwt × \$15.26/cwt = \$30,520	28	28 tons × \$5.78/bu = \$5,780	4	4 tons × \$341.50/ton = \$1,366	100	21,374	10.69	10.69
☑ Sep 2011	2000	2,000 cwt × \$15.41/cwt = \$30,820	28	28 tons × \$5.54/bu = \$5,540	4	4 tons × \$330.07/ton = \$1,320	100	21,960	10.98	10.98
☑ Oct 2011	2000	2,000 cwt × \$15.49/cwt = \$30,980	28	28 tons × \$5.47/bu = \$5,470	4	4 tons × \$314.07/ton = \$1,256	100	22,254	11.13	11.13
Nov 2011	2000	2,000 cwt × \$15.47/cwt = \$30,940	28	28 tons × \$5.41/bu = \$5,410	4	4 tons × \$312.79/ton = \$1,251	100	22,279	11.14	11.14
Total Farm		0,000 cwt 0,000 cwt		280 tons 280 tons		10 tons 10 tons	100.00%	GMG 202,604	10.13	10.13

	overage onth	Pr	oduction (cwt)	Co	orn Equiv (tons)	Soybean Equiv (tons)		% covered
Mont	th Year	Milk Qty.	Covered Milk × Expected Price = Milk Revenue	Corn Qty.	Covered Corn × Expected Price = Corn Cost	SBM Qty.	Covered SBM × Expected Price = SBM Cost	
☑ Fe	eb 2011	2000	2,000 cwt × \$13.39/cwt = \$26,780	28	28 tons × \$5.81/bu = \$5,810	4	4 tons × \$347.49/ton = \$1,390	100
☑ Ma	ar 2011	2000	2,000 cwt × \$13.78/cwt = \$27,560	28	28 tons × \$5.89/bu = \$5,890	4	4 tons × \$349.07/ton = \$1,396	100
✓ Ap	or 2011	2000	2,000 cwt × \$14.19/cwt = \$28,380	28	28 tons × \$5.93/bu = \$5,930	4	4 tons × \$349.35/ton = \$1,397	100
. Ma	ay 2011	2000	2,000 cwt × \$14.32/cwt = \$28,640	28	28 tons × \$5.97/bu = \$5,970	4	4 tons × \$349.63/ton = \$1,399	100
 Ju	ın 2011	2000	2,000 cwt × \$14.61/cwt = \$29,220	28	28 tons × \$5.99/bu = \$5,990	4	4 tons × \$349.90/ton = \$1,400	100
 Ju	ul 2011	2000	2,000 cwt × \$15.07/cwt = \$30,140	28	28 tons × \$6.01/bu = \$6,010	4	4 tons × \$350.17/ton = \$1,401	100
 Au	ıg 2011	2000	2,000 cwt × \$15.26/cwt = \$30,520	28	28 tons × \$5.78/bu = \$5,780	4	4 tons × \$341.50/ton = \$1,366	100
 Se	ep 2011	2000	2,000 cwt × \$15.41/cwt = \$30,820	28	28 tons × \$5.54/bu = \$5,540	4	4 tons × \$330.07/ton = \$1,320	100
▽ O ₀	ct 2011	2000	2,000 cwt × \$15.49/cwt = \$30,980	28	28 tons × \$5.47/bu = \$5,470	4	4 tons × \$314.07/ton = \$1,256	100
✓ No	ov 2011	2000	2,000 cwt × \$15.47/cwt = \$30,940	28	28 tons × \$5.41/bu = \$5,410	4	4 tons × \$312.79/ton = \$1,251	100
Total	Farm Covered		,000 cwt		80 tons 80 tons		40 tons 40 tons	100.00%
	557.5754	20	7000 0110	2			10 10110	1

■ Save Input

Calculate LGM Premium

Calculate Options Cost

■ Save GMG Calculations

LGM-DAIRY FEED EQUIVALENTS CONVERSION

- 1. Select the feed you want to convert to corn and SBM equivalents from the pull down menu
- 2. The tool will provide the CP and NEL (Avg. 3x & 4x) for the selected feed (NRC, 2001)
- 3. CP and NEL values can be edited for a more precise calculation (leave blank when no edits needed)
- 4. Green cells indicate the conversion factors in terms of corn and SBM according to NRC (2001)
- 5. Results are presented in blue colored cells ad corn and SBM equivalentes to be used in the LGM-Dairy.

Equation as per NRC 2001				
Protein: 0.094 x + 0.499 y	Protein	0.094	0.499	
Energy: 1.955 x + 2.075 y	Nel	1.955	2.075	

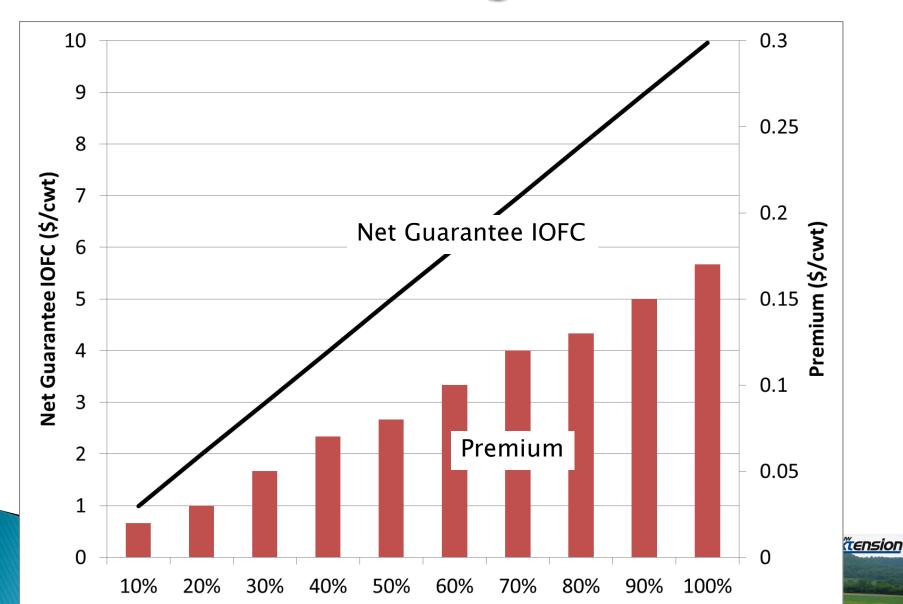
SELECT FEED AND COMPOSITION						
CORN, YELLOW, Grain, ground, high moisture		_				
INPUT CP AND NEL V	VALUES					
	Edit Values					
Crude Protein % DM	9.2%	%				
NEL (Mcal/kg DM)						
OUTPUT						
CALCULATED FEED CONVERSION FACTORS						
Corn Equivalents	1.0533					
SBM Equivalents		-0.014				

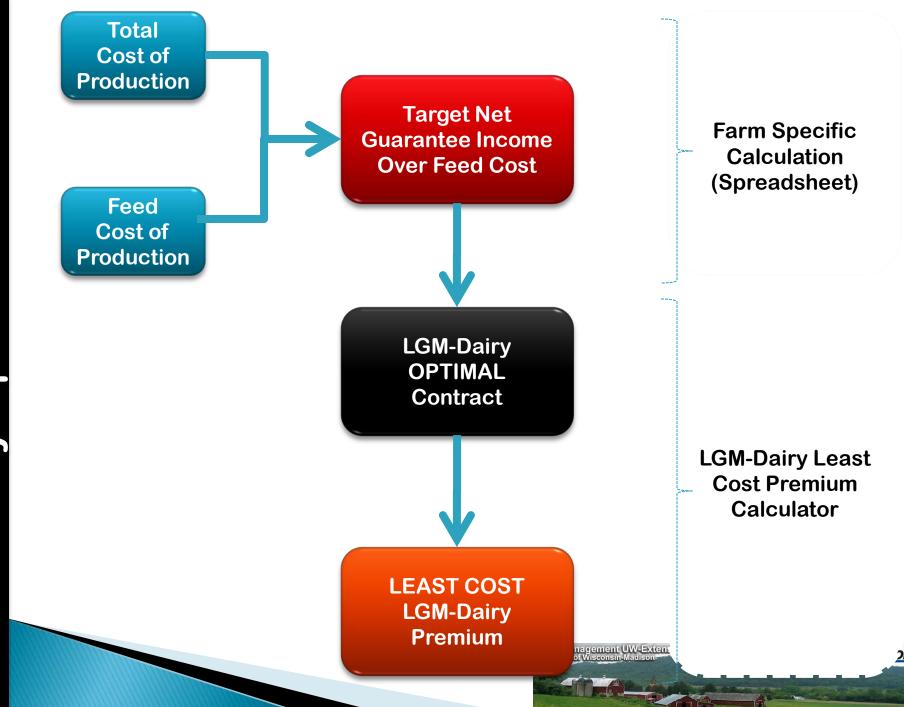


Coverage Month	% covered	Monthly	y Gross Ma	rgin
Month Year		Milk Revenue - Corn Cost - SBM Cost - (Deductible × Milk Qty.)		\$/cwt of Covered Milk
☑ Feb 2011	100	17,580	8.79	8.79
Mar 2011	100	18,274	9.14	9.14
☑ Apr 2011	100	19,053	9.53	9.53
	100	19,271	9.64	9.64
☑ Jun 2011	100	19,830	9.92	9.92
Jul 2011	100	20,729	10.36	10.36
	100	21,374	10.69	10.69
☑ Sep 2011	100	21,960	10.98	10.98
☑ Oct 2011	100	22,254	11.13	11.13
☑ Nov 2011	100	22,279	11.14	11.14
Total Farm Covered	100.00%	GMG 202,604	10.13	10.13

WISCONSIN EXTENSION

How Much Coverage?





Target Net Guarantee IOFC

Corn Price (\$/bu) 6.5

SBM Price (\$/ton) 380

Total Cost of Production

Milk produced (all cow) (lb/cow/d) 70

Total cost of production (\$/cwt milk) 14.206

More Details

Expenses —		
Total Expenses	(\$)	120000
Change in Accounts Payable	(\$)	1500
Change in Prepaid Expenses	(\$)	1200
Total Allocated Costs	(\$)	120300
Total Interested Paid	(\$)	8500
Wages and Benefits Paid	(\$)	12500
Depreciation Claimed	(\$)	15000
Other Costs	(\$)	40000
Total Basic Costs	(\$)	124300
Cwt Eq. Milk Produced	(cwt)	12500
Total Cost of Production	(\$/cwt)	14.206

Feed Cost Production

Feed Consumption (lb/cow/d) 56

Feed Price (\$/cwt feed) 10.732

Feed Cost (\$/cow/d) 6.01

Feed Cost (\$/cwt milk) 8.586

More Details

Feed Ingredient		DM (lb/cow/d)	Corn Eq	SBM Eq
ALFALFA Meal, 17% CP	•	15	0.2248	0.3424
LEGUMES, FORAGE Silage, mid maturity 40-46% NDF	•	6	0.1754	0.4058
CORN, YELLOW Grain, cracked, dry	•	20	0.9361	0.012
WHEAT Grain, rolled	▼	15	0.8596	0.1226
ALFALFA Meal, 17% CP	▼		0.2248	0.3424
ALFALFA Meal, 17% CP	•		0.2248	0.342
ALFALFA Meal, 17% CP	•		0.2248	0.3424
ALFALFA Meal, 17% CP	•		0.2248	0.3424
Total feed		56		
Total feed cost (\$/cow/d)		6.01		
Total feed price (\$/cwt/feed)		10.732		
Feed Equivalents for		36.04	Corn Equivalents	
LGM-Dairy Contract ((lb/cwt milk)		9.65	SBM Equivalents	

nsion

Insurance contract month: 2010 ▼ Dec ▼

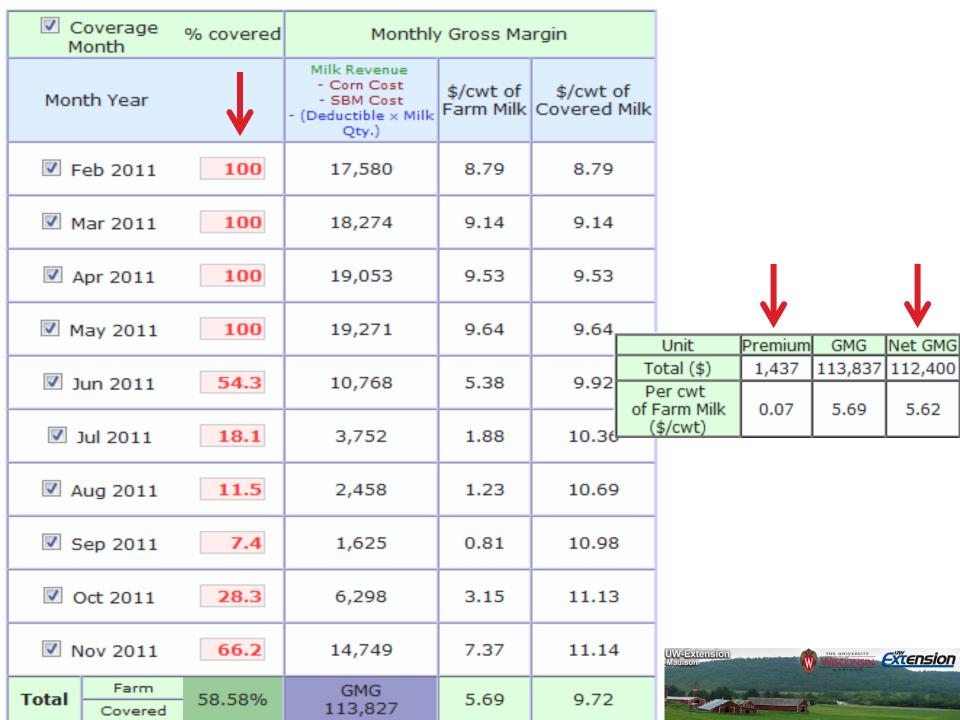
Choose your deductible level \$ 1.0 ▼ /cwt

Feed Values: Enter Manually Lowest Allowed Default Highest Allowed

Target NIOFC: \$ 5.62 /cwt

Coverage Month	Production (cwt)	Corn Equiv (tons)	Soybean Equiv (tons)
Month Year	Milk Qty.	Corn Qty.	SBM Qty.
☑ Feb 2011	2000	28	4
✓ Mar 2011	2000	28	4
☑ Apr 2011	2000	28	4
✓ May 2011	2000	28	4
☑ Jun 2011	2000	28	4
☑ Jul 2011	2000	28	4
✓ Aug 2011	2000	28	4
▼ Sep 2011	2000	28	4
☑ Oct 2011	2000	28	4
☑ Nov 2011	2000	28	4
Total	20,000 cwt	280 tons	40 tons





Did you know...?



30% or more PREMIUM cost



Conclusions: LGM-Dairy

- Bundled Class III puts and corn/SBM calls options
- Flexible price risk management tool
- Effective to protect net guarantee IOFC
- Important incentives available now



