# 2016 Livestock Gross Margin- LGM

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### 2014 Farm Bill Dairy Provisions

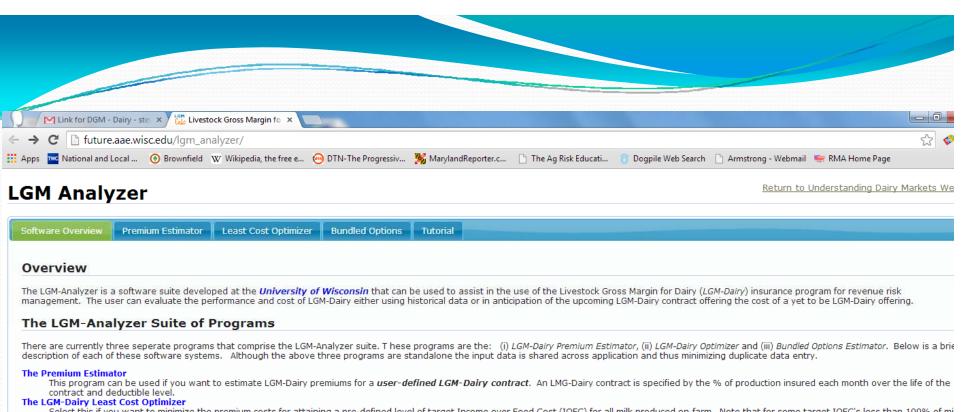
Table 1. Contract Design Features of MPP and LGM-Dairy

	MPP	LGM-Dairy			
Coverage Level	Coverage is available each year from \$4 to \$8 per cwt in \$0.50 increments on up to 90% of the maximum production over the 2011, 2012, and 2013 calendar years. The same percentage of milk covered is the same over all months of the contract.	Coverage is available at prevailing market prices. Insurable milk marketings are certified by the producer and subject to inspection from the insurance company. The percentage of milk covered can vary from month to month. Multiple contracts can be used to cover a month's production until 100% of a month's production is insured.			
Sales Period	Farmer may change coverage options annually and coverage lasts one calendar year.	LGM-Dairy is available for purchase each month. Farmers may sign up 12 times per year. LGM-Dairy is offered on a first come, first serve basis and is subject to underwriting capacity.			
Indemnity Payments	Payments made for consecutive two-month periods of Jan/Feb, Mar/Apr,,Nov/Dec.	Payments made at the end of the coverage period.			
Premium Rates	Fixed for the life of the Farm Bill (25% discount applied to 2014 and 2015 calendar year premium rates).	Designed to be actuarially fair. Sets the policy premium equal to 1.03 times the expected indemnity less the declared deductible.			
Government Subsidy	No direct subsidy. There may exist significant indirect subsidies given the fixed premiums.	Premium subsidy up to 50% depending on a farmers declared deductible.			
Farmer Customization	Fixed contract design with respect to feed ration and percent of milk covered. Dairy production margin formula is fixed. Feed quantities do not change.	LGM-Dairy can be tailored to farm size and feed usage (includes feed equivalent conversion) and to reflect actual feed market risk. Ration quantities are not fixed.			
Agricultural Prices Used	ricultural Prices Used Uses USDA announced prices for all-milk, corn, soybean meal, and alfalfa hay. Uses simple class III milk,				

Source: Information Letter 14-01 by Marin Bozic, John Newton, Andrew M. Novaković, Mark W. Stephenson, and Cameron S. Thraen

## LGM- Dairy Enrollment in Maryland

Commodity (\$)	Policies Sold	Policies Earnin Indemnified	g Policies	Quantity	Liabilities (\$)	Total Prem (\$)	Subsidy (\$) Premium	Indemnity
2014	34	3	o	68000	1379080	38458	10849	0
2015	37	7	7	244500	4562537	167326	55133	223348
2016	41	3	1	140050	2207507	120758	22129	70205



Select this if you want to minimize the premium costs for attaining a pre-defined level of target Income over Feed Cost (IOFC) for all milk produced on-farm. Note that for some target IOFC's less than 100% of mi will need to be insured to achieve the total target IOFC. In contrast to the Premium Estimator when using the Optimizer, the user does not supply the contract. The Optimizer designs the least cost contract for

#### **Bundled Options Comparison**

This software can be used to compare the cost of using a traditional bundled options strategy to establish a similar level of IOFC floor as provided by a particular LGM-Dairy contract design. Under the bundled options strategy, Class III puts are used to establish a revenue minimum and corn/SBM call options are used to establish a feed cost ceiling. With the establishment of a revenue minimum and a feed cost maximum, the producer has established a minimum IOFC. When the options contracts mature, the value of the options will be added to help offset the options premium costs.

#### **Topic Specific Help Documents**

- . Using the Premium Estimator
- Using the Least Cost Optimizer
- Bundled Options Cost Comparison
- · How to Evaluate Contract Perfomance for an Active LGM-Dairy Contract
- Evaluating Actual Contract Performance for a Completed LGM-Dairy Contract























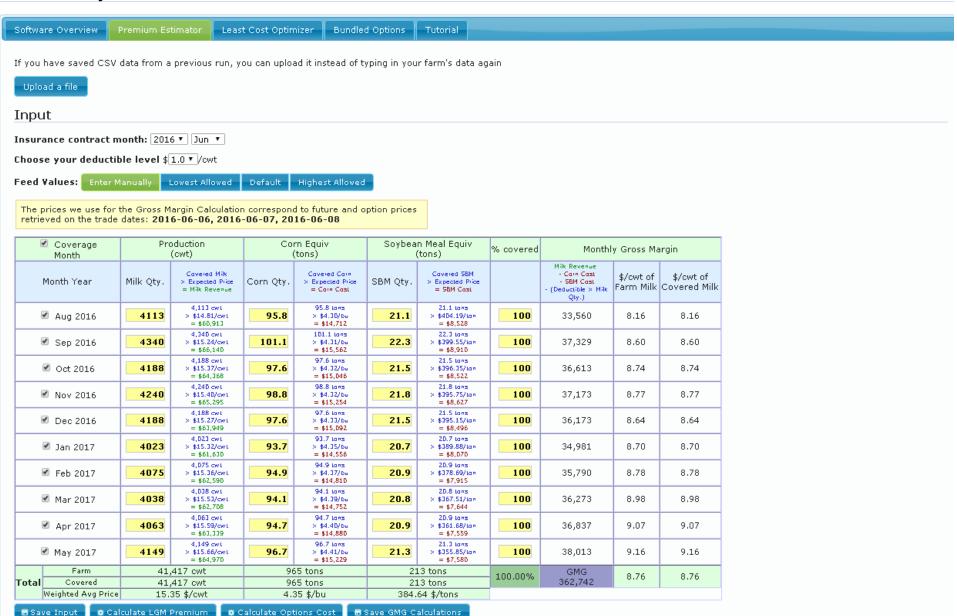


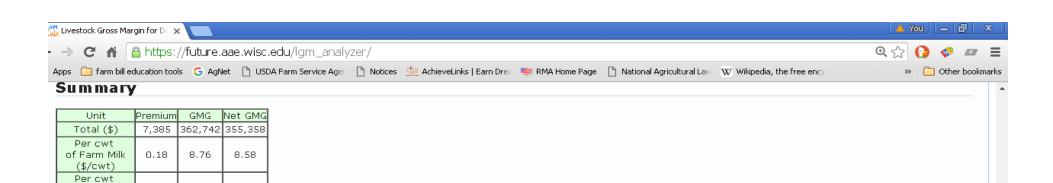




#### **LGM Analyzer**

Return to Understanding Dairy Markets Websit





■ Save GMG Calculations and Results

0.18

8.76

8.58

#### **Sensitivity Analysis**

Show per cwt Results

of Covered Milk

(\$/cwt)

Deductible Level (\$/cwt)	Total Premium (\$)	Subsidized Premium (\$)	смс (\$)	Net GMG (\$)	Prob. nf Payout (%)	Net Premium as % of GMG (%)	% Net Prem. change	% GMG Change
0.0	31,416	25,761	404,159	378,398	51	6.37 -		-
0.1	29,273	23,711	400,018	376,306	49	5.93	5.93 -7.96	
0.2	27,222	21,506	395,876	374,370	46	5.43	-16.52	-2.05
0.3	25,274	19,461	391,734	372,273	44	4.97	-24.45	-3.07
0.4	23,428	17,571	387,593	370,022	42	4.53	-31.79	-4.10
0.5	21,678	15,608	383,451	367,843	39	4.07	-39.41	-5.12
0.6	20,021	13,814	379,309	365,495	37	3.64	-46.38	-6.15
0.7	18,444	12,173	375,167	362,994	36	3.24	-52.75	-7.17
0.8	16,947	10,507	371,026	360,519	34	2.83	-59.21	-8.20
0.9	15,535	9,321	366,884	357,563	32	2.54	-63.82	-9.22
1.0	14,201	7,385	362,742	355,358	30	2.04	-71.33	-10.25
1.1	12,947	6,474	358,601	352,127	28	1.81	-74.87	-11.27
1.2	11,775	5,887	354,459	348,572	26	1.66	-77.15	-12.30
1.3	10,682	5,341	350,317	344,976	24	1.52	-79.27	-13.32
1.4	9,675	4,838	346,176	341,338	22	1.40	-81.22	-14.35
1.5	8,745	4,373	342,034	337,661	20	1.28	-83.03	-15.37
1.6	7,884	3,942	337,892	333,950	19	1.17	-84.70	-16.40
1.7	7,093	3,547	333,750	330,204	17	1.06	-86.23	-17.42
1.8	6,361	3,180	329,609	326,428	16	0.96	-87.65	-18.45
1.9	5,701	2,851	325,467	322,616	14	0.88	-88.93	-19.47
2.0	5,103	2,551	321,325	318,774	13	0.79	-90.10	-20.50

Go back to the input Form























