

BMR Corn Silage Economic Evaluator

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Example

Enter # Milking Cows in Herd	500		
COW	Conventional	BMR	BMR DMI Toggle
Milk, lb/d	81.8	85.1	
Fat %	3.63	3.52	
Protein %	3.06	3.07	
DMI, lb/d	52.8	54.9	100%
Fat, lb/d	2.97	3.00	
Protein, lb/d	2.50	2.61	
OS, lb/d	4.70	4.89	
Fat, \$/lb	\$	2.50	
Protein, \$/lb	\$	1.19	
OS, \$/lb	\$	0.29	
Premiums, \$/cwt.	\$	0.75	
Non Corn Silage TMR DM, \$/lb.	\$ 0.140	\$ 0.135	
Milk Revenue, \$/d	\$ 12.38	\$ 12.66	

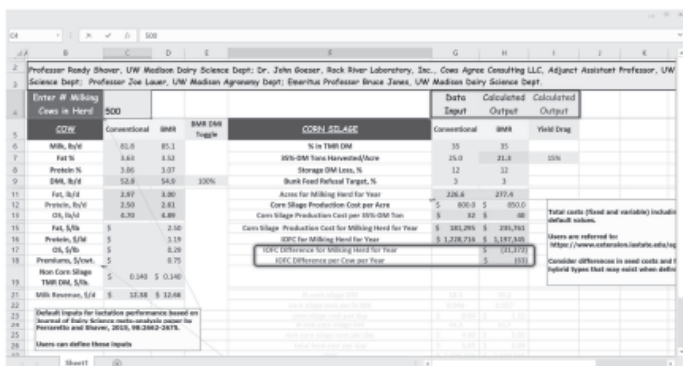
<http://corn.agronomy.wisc.edu/Season/DSS.aspx>



Example

Determining cost of non-Corn Silage TMR DM, \$/lb

Ingredient	DM	Feed rate (DM)	Feed rate (AF)	\$/ton	Ingr. cost	
Corn silage	35	15.0	42.9	\$35.00	\$0.75	0
Alfalfa silage	40	9.0	22.5	\$85.00	\$0.96	\$0.96
Alfalfa hay	87	2.0	2.3	\$250.00	\$0.29	\$0.29
Protein	90	25.0	27.8	\$200.00	\$2.78	\$2.78
MinVit	92	1.0	1.1	\$850.00	\$0.46	\$0.46
Cottonseed	90	3.0	3.3	\$350.00	\$0.58	\$0.58
Sum		55.0	99.9		\$5.82	\$5.07
				Cost/lb TMR DM	\$0.106	
Non corn silage intake		40.0		Non Corn silage cost / lb TMR DM	\$0.127	



Example

	Data Input	Calculated Output	Calculated Output
CORN SILAGE			
% in TMR DM	35	35	
35%-DM Tons Harvested/Acre	25.0	22.3	11%
Storage DM Loss, %	12	12	
Bunk Feed Refusal Target, %	3	3	
Acres for Milking Herd for Year		226,619	264,900
Corn Silage Production Cost per Acre	\$ 800.0	\$ 840.0	
Corn Silage Production Cost per 35%-DM Ton	\$ 32	\$ 38	
Corn Silage Production Cost for Milking Herd for Year	\$ 181,295	\$ 222,516	
IOFC for Milking Herd for Year	\$ 1,201,522	\$ 1,207,790	
IOFC Difference for Milking Herd for Year		\$ 6,268	
IOFC Difference per Cow per Year		\$ 13	

Major-Impact User-Definable Parameters

- Milk Yield & Fat Test Response
- Milk Price
- Non-Corn Silage TMR DM Cost per lb.
- Concentration of Corn Silage in Ration
- Yield Drag
- Production Cost per Acre

Questions?

