

Feed Management Decision Making Tools for Wisconsin Dairy Farms

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HEIFER DRY MATTER INTAKE, FEED COST AND FEED INVENTORY CALCULATOR

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Herd Name: _____ County: _____
 Date: _____ Herd Size: _____

Note: This template calculates the DM intake potential, feed cost and annual feed inventory needs of confinement heifer rearing systems. Not valid for dairy calves < 250 lbs.

BASIC GROUP INPUT	Group Number					
	1	2	3	4	5	6
Average Body Weight, lbs	309	509	709	909	1109	1309
Heifers/Group	79	81	56	29	62	71
NDF Intake, lbs/day	3.4	5.1	6.9	8.6	10.4	12.2
Typical Diet NDF Content, % of DM	35.7	38.4	41.0	43.7	46.4	49.1
DM Intake, Bank Score 0-1	9.4	13.4	16.8	19.8	22.4	24.8
DM Intake, Bank Score >1	10.4	14.7	18.4	21.7	24.7	27.3
Input DM Intake, lb DM	16.5	13.3	17.2	20.5	22.7	25.2
DM Intake Balance (Input-Projected)	0.59	-0.75	-0.44	-0.22	-0.84	-0.71

Values near zero are desired

CONTINEMENT FEED INPUT	Group Number						Cost \$/Ton	DM %	Feed Cost \$/lb DM	AS FED Feed Usage/yr	DMBASIS Feed Usage/yr	Units
	1	2	3	4	5	6						
Forages												
Mixes w/40% Hay	4.0	3.3	5.4	9.0	7.0	0.0	\$225.00	85.0	0.322	276.6	235.1	tons
Oatlage	0.0	0.0	0.0	0.0	10.0	20.0	\$70.00	50.0	0.070	372.3	186.2	tons
Core Silage	0.0	2.8	20.0	35.0	20.0	30.0	\$60.00	35.0	0.086	1046.1	366.1	tons
Legume Silage	5.0	1.0	8.0	2.0	10.0	10.0	\$100.00	45.0	0.111	418.5	188.3	tons
Straw	0.0	3.2	0.0	0.0	0.0	0.0	\$150.00	90.0	0.083	47.3	42.6	tons
Other	0.0	0.0	0.0	0.0	0.0	0.0	\$150.00	85.0	0.088	0.0	0.0	tons
Grain or Energy Feeds												
Corn, Shelled	3.5	4.0	0.0	0.0	0.0	0.0	\$200.00	85.0	0.168	103.3	88.3	tons
Corn & Cob	0.0	0.0	0.0	0.0	0.0	0.0	\$200.00	85.0	0.147	0.0	0.0	tons
Corn, HMSC	0.0	0.0	0.0	0.0	0.0	0.0	\$225.00	70.0	0.161	0.0	0.0	tons
Oats	0.0	0.0	0.0	0.0	0.0	0.0	\$200.00	90.0	0.111	0.0	0.0	tons
Other	0.0	0.0	0.0	0.0	0.0	0.0	\$135.00	89.0	0.076	0.0	0.0	tons
Protein Supplements												
Soybeans, Raw	0.0	0.0	0.0	0.0	0.0	0.0	\$532.00	90.0	0.296	0.0	0.0	tons
Linseed Meal	0.0	0.0	0.0	0.0	0.0	0.0	\$400.00	90.0	0.222	0.0	0.0	tons
Distillers Grain	1.0	2.0	2.0	0.0	0.0	0.0	\$300.00	90.0	0.167	62.8	56.5	tons
Soy 48%	1.0	1.0	0.0	0.0	0.0	0.0	\$450.00	89.0	0.250	27.6	24.8	tons
Other	0.0	0.0	0.0	0.0	0.0	0.0	\$320.00	85.0	0.188	0.0	0.0	tons
Minerals/Vitamins/Additives												
Dicalcium phosphate	0.00	0.00	0.00	0.00	0.00	0.00	\$540.00	90.0	0.276	0.0	0.0	tons
Limestone, Feed Grade	0.00	0.00	0.00	0.00	0.00	0.00	\$280.00	90.0	0.102	0.0	0.0	tons
Salt, Trace Mineral	0.00	0.00	0.00	0.00	0.00	0.00	\$180.00	99.0	0.091	0.0	0.0	tons
Heif Pre-Mix	0.06	0.06	0.18	0.18	0.25	0.25	\$640.00	90.0	0.327	18.5	10.3	tons
Heifer Vitamin Mix	0.00	0.00	0.00	0.00	0.00	0.00	\$2,000.00	90.0	1.020	0.0	0.0	tons
Other	0.00	0.00	0.00	0.00	0.00	0.00	\$420.00	99.0	0.216	0.0	0.0	tons

Feed Cost \$/heifer/day: 1.59 1.86 1.97 2.15 2.32 2.18



FeedVal - 2012

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Acknowledgement:

Upload Parameters as Excel File

Upload the Excel File:

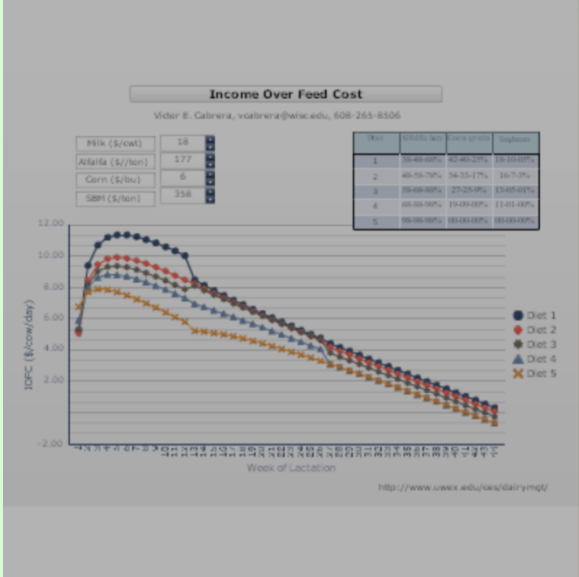
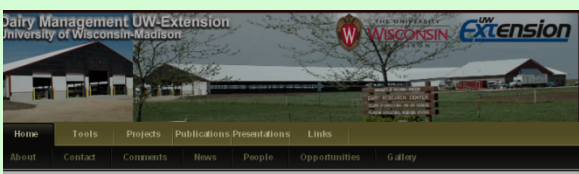
Select Number of Nutrients:

INPUTS - Nutrients for Ingredients

Ingredient	Nutrient					
	RUP	RDP	NEI	Lipic	peNI	Ca 9
Shelled Corn	4.5	4.5	0.91	4.2	0	0.04
Soybean Meal 48%	21	33	1	11.1	0	0.35
Soybean Meal 44%	17.5	32.5	0.97	11.6	0	0.4
Soybean Meal, expell	30	16	1.09	8	0	0.36
Soybeans, raw	12	28	1.25	19	0	0.32
Soybeans, heated	22	21	1.24	19	0	0.26
Good Quality Hay	6	14	0.6	2	35	1.3
Poor Quality Hay	4.8	11.2	0.5	2	50	1
Corn Silage	2.8	4.2	0.67	3.2	30	0.28
Distillers Dried Grains	15	15	0.9	12	0	0.22
High-Moisture Corn	3.6	5.4	0.95	4.2	0	0.03

OUTPUTS

	Calculated	
	Predicted Value, \$/Unit	Actual Price as % of Predicted Value



Strategic Alternatives to Corn Grain Feeding

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Milk Price (\$/cwt)

Corn Price (\$/bu)