

1 on 1 Nutrition

ALCOHOL ENERGY RATIOS

North Texas Dairies

07/20/23

Milk Cows

DIM 170 Days Milk Prod. 90 lbs./Day Body wt. 1300 lbs.

Ingredient	Conventional High Cow Ration	Dry Matter	with Wheat & Corn	Dry Matter	Suggested Ration	Dry Matter	w/o Alfalfa Hay	Dry Matter	with Cookie Meal & w/o Alfalfa Hay	Dry Matter	with Hominy only & w/o Alfalfa Hay	Dry Matter	Prices /unit
Hominy					16.00	14.40	15.00	13.50	14.00	12.60	20.00	18.00	\$ 262.00 /ton
Flaked Corn	16.25	12.19	19.00	14.25	5.00	3.75	5.00	3.75					\$ 300.00 /ton
Flaked Wheat	3.00	2.16	3.00	2.16									\$ 330.00 /ton
Soybean Meal 48%	5.00	4.45											\$ 500.00 /ton
Corn Distillers							5.00	4.40	5.00	4.40	5.00	4.40	\$ 330.00 /ton
Cookie Meal									6.00	5.39			\$ 270.00 /ton
Alfalfa Hay	12.00	10.68	11.00	9.79	5.00	4.45							\$ 375.00 /ton
Corn Silage	29.00	11.02	28.00	10.64	32.00	12.16	32.00	12.16	31.50	11.97	31.50	11.97	\$ 72.00 /ton
Wheat Silage	29.00	10.44	28.00	10.08	28.00	10.08	31.00	11.16	35.00	12.60	35.00	12.60	\$ 69.00 /ton
Wheat Hay			2.00	1.80	4.00	3.60	4.00	3.60	2.00	1.80	2.00	1.80	\$ 190.00 /ton
1 on 1 Milkcow Min. w/Clarify	1.40	1.38	1.40	1.38	1.40	1.38	1.40	1.38	1.40	1.38	1.40	1.38	\$ 567.00 /ton
Alcohol Supplement			4.00	2.20	4.50	2.47	4.00	2.20	4.00	2.20	4.00	2.20	\$ 0.24 /lb.
As Fed Totals	95.65	52.32	96.40	52.30	95.90	52.29	97.40	52.15	98.90	52.34	98.90	52.35	
Crude Protein	15.86	Required 16.50	16.50	Required 16.50	16.50	Required 16.50	16.50	Required 16.50	16.50	Required 16.50	16.50	Required 16.50	
NEI (Mcal/lb)	0.70	0.77	0.81	0.77	0.84	0.77	0.83	0.77	0.83	0.77	0.83	0.77	
	36.52	40.99	42.33	40.99	43.96	40.99	43.30	40.99	43.56	40.99	43.36	40.99	
NEI (Mcal/d)	-4.47	*	1.34	**	2.97	**	2.31	**	2.57	**	2.37	**	
Fat (%DM)	2.54		2.75		3.96		4.48		4.96		4.90		
TDN (%DM)	68.71		78.08		81.23		81.89		82.11		82.42		
ADF (%DM)	20.41		20.86		20.57		19.80		19.93		19.44		
NDF (%DM)	30.67		31.63		33.87		33.90		33.29		33.81		
Starch (%DM)	31.88		33.83		29.72		29.53		27.69		28.50		
Cost (\$/hd/day)	\$ 8.87		\$ 8.93		\$ 7.75		\$ 7.49		\$ 7.36		\$ 7.33		
Cost (\$/100 lb.of Milk)	\$ 11.24		\$ 11.24		\$ 9.76		\$ 9.46		\$ 9.25		\$ 9.25		

* Energy for 60 lbs. of Milk/Day.

** Energy for 110 lbs. of Milk/Day.



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