

Comparison of a Dairy Diet Optimized for Prevailing Feed Prices

Ingredients	2004	2008
	lb as fed/day	
Legume hay	4.2	4.2
Legume silage	19.5	19.5
Corn silage	37.0	37.0
Wet brewers grains	13.8	0.0
Cottonseed, whole	5.0	2.75
Corn grain	15.0	11.25
Soybean meal, solvent, 44%	2.25	0.0
Soybean meal, expeller	2.25	2.75
Dried distillers grains with solubles	0.0	3.33
Hominy	0.0	2.25
Corn gluten feed	0.0	2.75
Wheat middlings	0.0	2.75
Tallow	0.5	0.0
Minerals and vitamins	1.5	1.5
Composition		
Dry matter (lb)	51.3	51.3
Net energy for lactation (Mcal/lb)	0.74	0.73
	% of DM	
CP	17.0	16.7
RDP	11.3	10.8
RUP	5.6	5.8
MP	10.6	10.6
NDF	32.2	33.3
NFC	42.5	42.8
Ether extracts	5.7	4.6
Cost in January 2008 (\$/cow/day)	4.75	4.50

Rations balanced for a 1,400-pound cow producing 80 pounds of milk/day at 3.7% fat and 3.0% true protein.