

Responses of Lactating Holstein Cows to Increasing Amounts of Wet Corn Gluten Feed

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Brouk et al., 2006. KSU Dairy Research Report. 14-17.

Figure 1. Effects of diets on performance of lactating cows.

Item	Diet ¹				SEM
	0%	12%	24%	36%	
DM intake, lb/day	56.8	56.2	57.3	57.4	0.92
Milk, lb/d	80.7 ^a	82.8 ^{ab}	85.5 ^b	89.3 ^c	1.42
Milk fat, %	3.58	3.54	3.73	3.67	0.08
Milk protein, %	2.96 ^a	2.96 ^{ab}	2.98 ^b	3.02 ^b	0.02
Milk MUN, mg/dL	17.0	16.3	16.5	17.0	0.35
Milk fat, lb/day	2.88 ^a	2.93 ^b	3.15 ^c	3.29 ^c	0.08
Milk protein, lb/day	2.37 ^a	2.44 ^b	2.54 ^b	2.68 ^b	0.09
ECM ² , lb/day	80.8 ^a	82.5 ^a	87.06 ^b	91.08 ^c	1.62
ECM/DM intake	1.42 ^a	1.47 ^{ab}	1.52 ^b	1.60 ^c	0.03

¹0%=0% WCGF, 12%=12% WCGF, 24%=24% WCGF, 36%=36% WCGF (DM basis).

²Energy corrected milk.

Figure 2. Results

Item	Control	36%	Difference
Milk (lbs)	80.7	89.3	8.6
Milk fat (lbs)	2.88	3.29	0.41
Milk protein (lbs)	2.37	2.68	0.31
ECM (lbs)	80.8	91.08	10.28

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