

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

<sup>1</sup>0%=0% WCGF, 12%=12% WCGF, 24%=24% WCGF, 36%=36% WCGF (DM basis).

<sup>2</sup>Energy 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
<b>ECM (lbs)</b>	<b>80.8</b>	<b>91.08</b>	<b>10.28</b>

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