

MICROGOLD MC™ DAIRY TRIAL

A summer of 2019 study was conducted to demonstrate the performance advantage of MicroGold MC, a concentrated Brewer's yeast supplement, at an upper midwest dairy Farm. The 7-week study included 178 high producing Holstein cows, in various stages of lactation. The feeding rate was 0.5 ounce/hd/day, delivered via a supplement pellet in a robotic milk machine. The control group was fed the same pellet, without MicroGold MC. The forage portion of the ration consisted of two-thirds corn silage and one-third alfalfa haylage. High moisture corn was the primary grain source.

The cows were fed via a Lely robotic milking machine. This allowed for each group to contain cows that were on the treatment or control pellet, as the pellet was fed while the cows were in the robotic milker. All cows had access to the same group TMR when not being milked. Cows were allotted to treatment groups based on days in milk, lactation number and milk and component yield approximately two weeks prior to the start of the trial.

The purpose of this trial was to evaluate the performance of MicroGold MC for lactating dairy cows in a commercial setting. Fluid milk production was increased over the control group by 3.7 lbs, milk fat by 0.26 percent, and milk protein by .01 percent. This accounts for a total increase of 5.2 lbs of energy corrected milk.

TABLE 1. PERFORMANCE RESULTS

Measure	MicroGold MC™	Control	Difference	SE
Cows (hd)	85	93		
Milk (lb/hd/day)	111.1	107.4	3.7	0.4
Milk Fat (%)	4.06	3.96	0.1	0.014
Milk Fat (lbs/hd/day)	4.46	4.2	0.26	0.02
Milk Protein (%)	3.03	3.05	-0.02	0.004
Milk Protein (lbs/hd/day)	3.36	3.26	0.1	0.013
Energy Corrected Milk (lbs/hd/day)	118.2	113	5.2	0.5
Rumination (minutes/day)	474	470	4	0.019

↑5.2 LBS
ENERGY CORRECTED MILK

20:1 ROI*
MICROGOLD VS. CONTROL

At the time the data was compiled, the US Milk Farm Price Received was \$19/cwt resulting in a 20:1 ROI over the cost of the product. This does not take into account increased dry matter intake, as both the control and treatment groups had access to the same TMR. Economic returns will vary depending on individual producer's milk prices and ration costs.