



Keep it Cool with Fresh Guard !

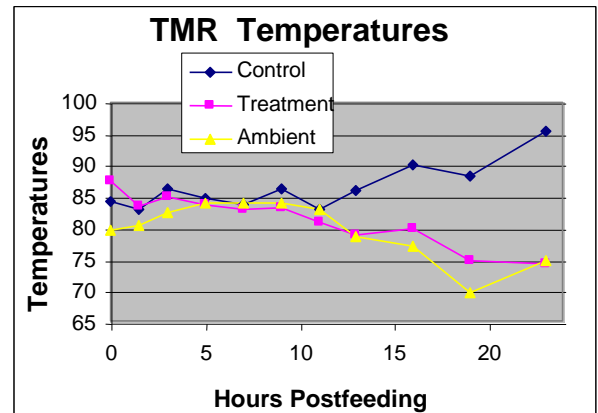
Microbes and molds become active in the exposed layer of stored forages and high moisture grains when days are longer and warmer.

This seeds your TMR with increasing numbers of active organisms, which consume nutrients that should go to your cows. Their activity generates undesirable heat, odors, and tastes in the TMR, which reduce intake.

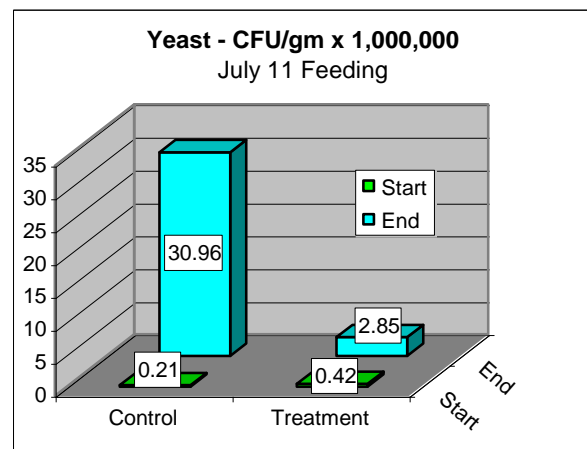
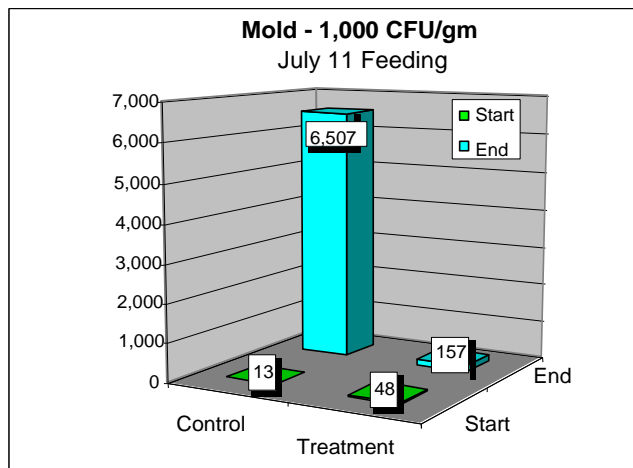
Fresh-Guard™ is a combination of microbial inhibitors preblended with your liquid supplement. Fresh-Guard™ can reduce degradation of your TMR and keep intake higher during hot weather. Here are the results of a Wisconsin dairy trial done June–August 2002.

Control and Test groups of 115 cows each received a similar TMR except the Test group ration included 4 lb./hd./day of a 65% dry matter Liquid blend containing Fresh-Guard™. The groups were switched in midsummer.

The cattle were fed once daily. TMR temperatures were measured over a 24-hour feeding cycle. Note that **the Fresh-Guard™ TMR temperature remained close to the ambient temperature**, but the untreated TMR temperature increased.



Yeast and mold counts were acceptable at feeding in both groups. The Fresh-Guard™ TMR mold and yeast count had a minimal increase at the end of 24 hours. However, **in the untreated TMR yeast increased 150X and the mold count increased 500X.**



Feed intake was higher with the Fresh-Guard™ group. From June 17–August 21, the average as-fed intake by the treatment group was 96.1 lbs., vs. 90.8 lbs. per head per day by the control group, a difference of 5.3 lbs. as fed, or 2.7 lbs. on a dry matter basis.

Conclusion:

Treatment of the TMR with a liquid blend containing Fresh Guard™ improves feed stability and feed intake during hot weather stress.