

RumEnhance II

**A Stimulant
for Transition,
A Stabilizer
for Lactation**

Live Yeast

The yeast used in *RumEnhance II* has been selected for consistency, stability and tolerance of inhibitors. It has been shown to help increase milk production by 4-6 pounds in trials conducted by universities at large, well-managed regional dairies. The data demonstrates consistent performance in various types of rations.

Digestive Enzymes

The enzymes in *RumEnhance II* breakdown complex feed molecules into simpler nutrients that are more readily absorbed by the animal. Trypsin can hydrolyze proteins into amino acids and peptides. Alpha-Amylase can hydrolyze starch into simple sugars. Lipase can hydrolyze triglycerides into fatty acids.



probios TC
FOR TRANSITION COWS

Probios TC[®] was developed to reduce the negative effects of sub clinical acidosis. Two unique strains of *Enterococcus faecium* were selected to provide a tonic level of lactic acid that stimulates the lactic acid utilizing bacteria in the rumen. This results in an overall reduction of rumen acidity and sustains higher levels of ruminal pH.

HEALTH and ECONOMIC Summary of California PROBIOS[®] TC Trial

METHODS

- 3000 cow dairy herd
- 27,000 lb rolling herd average
- Treatment versus controls
- PROBIOS TC[®] fed three weeks prior to calving and three weeks after calving
- Eight parameters used to measure relative response

PARAMETERS

PARAMETERS	RESPONSE	\$ SAVINGS per 100 hd
Displaced Abomasum Surgery	-33%	\$340.00
Retained Placenta	-25%	62.50
Uterine Treatment	-13%	156.00
Fresh Cow Heats (DIM 9-50)	+12%	
Conception Rate	+12%	160.00
Heat Detection of Cows Eligible to be Bred	-6%	
Pregnancy Rate	+5%	
Days Open of Cows Confirmed Pregnant	-10%	50.40

Total	\$768.90
Cost of PROBIOS TC [®] (\$.06 x 42 days x 100 hd)	-252.00
Net Return	\$516.90

PRODUCTION and ECONOMIC Summary of Wisconsin PROBIOS[®] TC Trial

METHODS

- Commercial dairy farm
- 163 cows in the trial
- Fed PROBIOS TC[®] or placebo
- On treatment at least ten days prefresh and entire 23 days of postfresh

RESULTS

- Cows supplemented with PROBIOS TC[®] gave 3.9 lb more milk/cow/day than the placebo-supplemented cows
- Dry matter intakes during the prefresh period were 1.8 lbs higher for the cow receiving PROBIOS TC[®]
- The prevalence of subclinical ketosis was lowered by PROBIOS TC[®] supplementation during the first week postcalving as reflected by lower plasma BHB levels

Value of milk increase (3.9 lbs x \$1.14/lb)	\$0.54
Cost of PROBIOS TC [®] (\$.06/hd/day)	\$0.06
Net Return (cow/day)	\$0.48

Return on Investment 9 to 1

GUARANTEED ANALYSIS

Total Bacteria Count ¹	not less than 80 billion CFU/lb ²
Total Live Yeast Count ³	not less than 600 billion CFU/lb
Trypsin	not less than 14,000 USPU/lb ⁴
Alpha-Amylase	not less than 14,000 USPU/lb
Lipase	not less than 1,120 USPU/lb

¹Two strains of Enterococcus faecium, EF301 and EF273

²Colony Forming Units

³Saccharomyces cerevisiae

⁴United States Pharmacopoeia Units

INGREDIENTS

Calcium Carbonate, Dried Soy Hulls, Dried Saccharomyces Cerevisiae Fermentation Products, Dried Enterococcus Faecium Fermentation Product, Porcine Pancreatic Digest, Sodium Silico Aluminate.

DIRECTIONS FOR USE

Dairy: 21 Days Pre-Calving Through Peak Production 1 ounce
Mid to Late Lactation 1/2 to 1 ounce
Beef: Receiving to 28 days 1 ounce
28 days to Slaughter 1/2 to 1 ounce

Probios TC is a registered
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BioSystems

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to Order Call AAS or Call:



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RumEnhance II

A Combination Microbial



- *High Levels of Active Dry Yeast*
- *Latest DFM Technology*
- *Useful Digestive Enzymes*