## Production and Metabolic Response to the Addition of Live Yeast or Yeast Culture or No Yeast to Lactating Cows

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#### **Materials and Methods**

Lactating cows (n=108) were fed a total mixed ration containing corn silage, alfalfa hay, rye silage and a grain mix containing ground corn, soybean meal, whole cottonseed, bypass protein, vitamins and minerals. Fresh cows were added to the group after calving. Cows were on a switch back trial as follows: no yeast three weeks, yeast culture three weeks, no yeast three weeks, live yeast three weeks then repeated. Daily milk weights were captured electronically.

#### Results

There was a significant increase of abomasal displacements (p<0.01) in the no-yeast group. Milk- yield difference will be presented.

#### Significance

Yeast feeding may be a factor in rumen and abomasal health in the early lactating cow

# A Case Description of Possible Vitamin-E Deficiency among Calves in a Large Danish Dairy Herd- Clinical Findings, Supplementation and Future Prevention

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### Introduction

The objective with the present report is to present a case of what seemed to be hypovitaminosis E among two ten-week-old dairy calves (mainly due to pneumonia) in a 900-cow Danish dairy herd.

The owner of a family-owned dairy facility in northern Jutland, Denmark responded to what he thought was a high rate of fatal non-responsive pneumonia among milk-fed, one- to ten-week-old dairy calves and called for experts from the Danish Agricultural Advisory Service, Danish Cattle Federation.

#### **Materials and Methods**

All calves were single-housed in outdoor hutches until they were three to four weeks old whereafter calves were placed in mixed gender in outdoor hutches (super hutches) in groups of six to seven in an "all-in all-out" system for an additional seven weeks. Herd management included administration of four liters of unpasteurised colostrum administered by an esophageal tube feeder within four hours of birth. Thereafter daily, six liters of whole milk (waste milk excluding antibiotic milk) in single hutches and eight liters in the first four