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UNIVERSITY OF MINNESOTA TRIAL SHOWS ACTIVE DRY YEAST BENEFITS RUMEN

(Milwaukee, WI) A recent trial conducted by Drs. Stern, Bach and Linn and graduate student Melissa Thrune at the University of Minnesota showed a measurable positive benefit of Levucell SC rumen specific yeast on rumen pH.

The study determined the effects of Levucell SC supplementation on ruminal pH patterns and fermentation in late lactation conditions. When Levucell SC was added to the diet, the supplemented cows had a statistically significant increase in rumen pH. In addition, the amount of time the cows spent under the subacute acidosis threshold (pH<5.8) was also significantly lower with Levucell SC supplementation.

The University of Minnesota trial confirms the benefit of Levucell SC on rumen conditions. Trying to reduce the economic impact of acidosis is a challenge, but these types of studies indicate the positive role of Levucell SC in helping to maintain rumen health in a wide range of conditions.

Levucell SC is an Active Dry Yeast, which has been proven to have a beneficial "probiotic" effect on ruminal fermentation. This specific strain of live yeast (*Saccharomyces cerevisae* 1077) has been identified for its ability to enhance rumen efficiency, stabilize ruminal pH and ultimately increase animal performance. Ultimately, this means improved rumen health, increased milk production and a lower incidence of acidosis related problems – the bottom line for dairy producers.

The database of information on Levucell SC®, rumen specific yeast, now stands at more than 40 published articles looking at mode of action. In addition, there are over 30 animal research trials around the world covering a wide range of diet parameters, from corn silage to mixed forages or pasture and low or high concentrate levels.

Lallemand was granted permanent authorization from the European Commission (authorization number E1711) for Levucell SC as a feed additive for dairy and beef cattle. Authorization has been granted for both formulations of Levucell SC: Levucell SC 20 (20.10^9 CFU/g) and Levucell SC 10ME). It covers performance claims of increase in milk and meat quantities, quality being unaltered. This definitive authorization is the

ultimate recognition from the European Community that guarantees the identity, safety and efficacy of the specific yeast to the farmers. In addition, the Canadian Food Inspection Agency (CFIA) has also granted Levucell SC 10ME and Leuvcell SC 20 the milk production claim “increases milk production when fed as directed.”

Dairy trials showed an average increase in milk production of ranging from 3.45 to 5.25 lbs/hd/day. Beef trials demonstrated an 8% increase in the daily average weight gain. Moreover, when animals were submitted to high stress (intensive farming conditions), morbidity was reduced from 17% to 3% with Levucell SC. Improvement in meat quality was also noticed with a 50% increase in highest carcass grade. These efficacy studies cover a large range of conditions since all trials were conducted in very different conditions in terms of environment, diet, farming conditions and even breed.

For complete trial information, contact 800-692-4700.

Lallemand, Inc. is a privately held Canadian company specialized in yeast, bacteria, and yeast derivatives for animal nutrition, baking, winemaking, and human nutrition industries. Lallemand is the only major supplier of yeast and bacteria that is a primary producer of both.

The Animal Nutrition Product Line in North America includes ALKOSEL® selenium enriched yeast, Levucell SC® rumen specific yeast, BIOTAL® forage inoculants, Levucell SB® active yeast and Micro-Cell® probiotic phase feeding.

For additional information please visit **www.lallemand.com** or call Customer Service at 1800 692 4700.