

PERFORMANCE OF CALVES FED RATION CONTAINING 2-HYDROXY-4-(METHYLTHIO) BUTANOIC ACID



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OBJECTIVES

To evaluate effect of adding DL- methionine hydroxy analog (HMB) to calves ration on growth performance and economic efficacy.

INTRODUCTION

Ruminal escape of methionine hydroxy analog [D,L-2-hydroxy-4-(methylthio)-butanoic acid (HMB) became available for post ruminal absorption. It can be converted to methionine and enhance animal performance.

MATERIALS & METHODS

•Thirty-six crossbred (Friesian X Balady) calves with initial body weight 251.52 ± 3.16 Kg were divided into two groups.

•The animals were fed total mixed ration without(control) or with 10 g HMB.

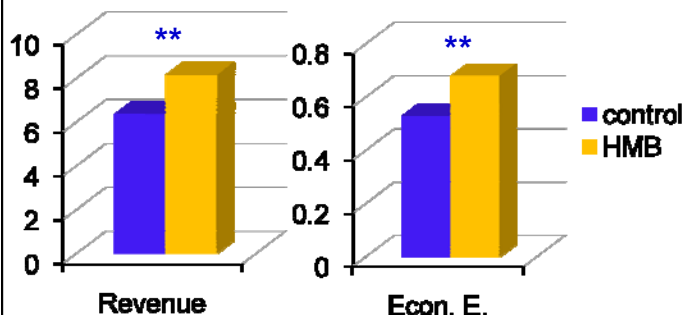
RESULTS

CONCLUSION

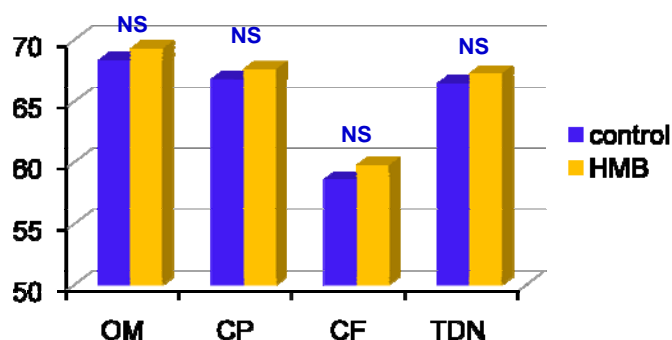
Using DL- methionine hydroxy analog (HMB) as feed additives

- Improves metabolic process.
- increase weight gain.
- improve feed conversion.
- improve economic efficiency .

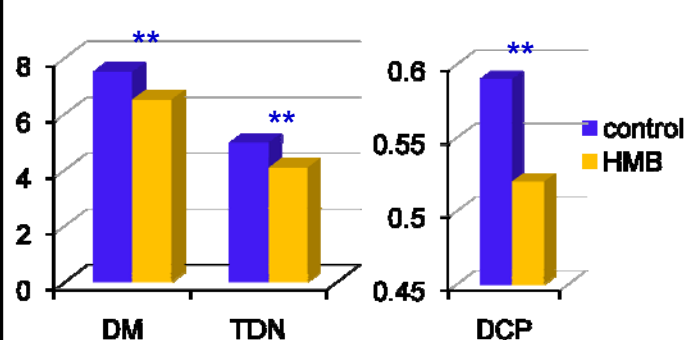
Economic efficiency



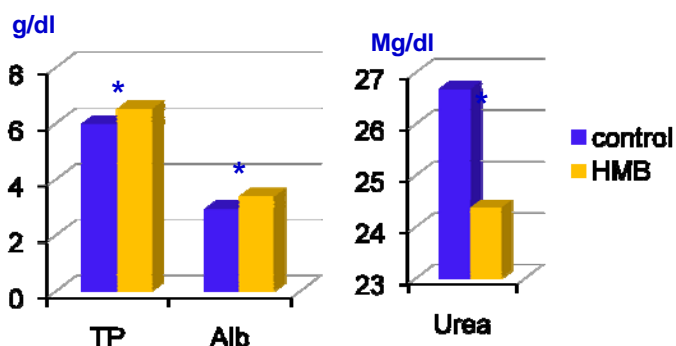
Nutrients digestibility & TDN %



Feed conversion (kg feed/kg gain)



Blood constitutes



Body weight gain (kg)

