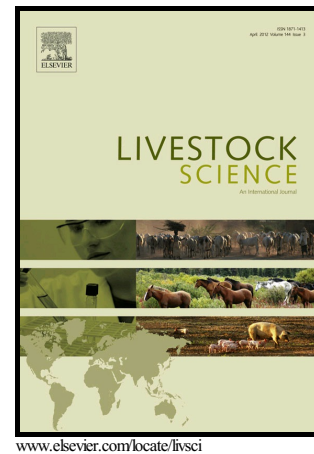


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Effect of yeast supplementation on digestibility, fecal microbiota and serum endotoxin levels in non-exercising and exercising horses.

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Effect of yeast supplementation on digestibility, fecal microbiota and serum endotoxin levels in non-exercising and exercising horses.

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Abstract

The aim of this study was to evaluate the effect dietary supplementation of live yeast *Saccharomyces cerevisiae* NCYC 996 (SC) on digestibility, fecal microbiota and volatile fatty acids (VFA) and serum endotoxin levels in non-exercising and exercising horses. Ten Arabian geldings were used in a 2 x 2 factorial design [10 horses, 2 treatments (with and without SC) and 2 periods (with and without exercise). The SC culture (7.5 g/meal; 1.5×10^{10} cfu/g) was given as a top-dressing. There was no effect of yeast supplementation on digestibility. Fecal yeast and bacterial counts, VFA and serum endotoxin levels were unaffected by yeast supplementation and exercise.

Keywords: digestion, equine, faecal, probiotics

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