



EFFECTS OF WATER SUPPLEMENTATION WITH ESSENTIAL OILS AND HERBAL EXTRACTS ON GROWTH PERFORMANCE AND SOME BIOCHEMICAL PARAMETERS OF BROILERS UNDER HOT CLIMATE

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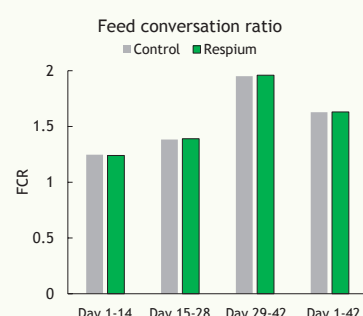
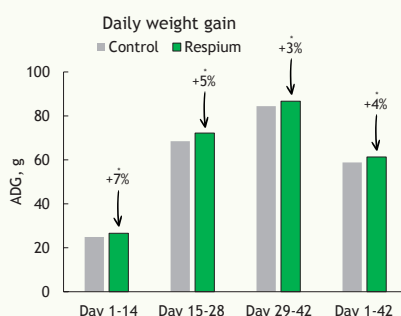
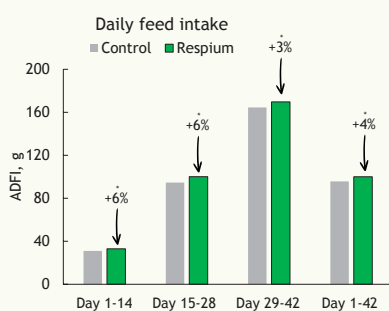
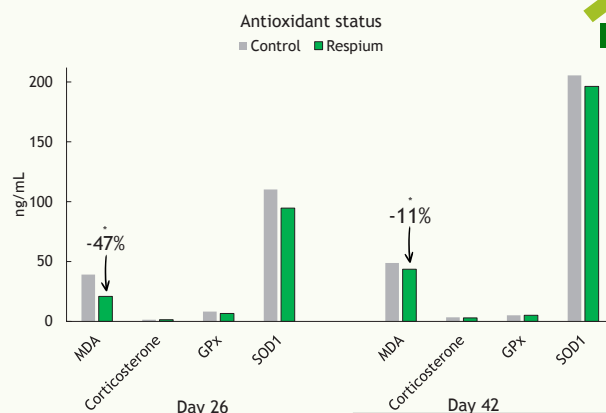
Introduction

- Disturbances in the respiratory system and reduced respiratory performance limit the performance and wellbeing of the animal.
- Evaluation of a water supplementation with several herbal extracts on the health and performance

Conclusion

- Increase of growth performance.
- Reduction of oxidative stress due to decreased MDA level.
- The application of Respirum would be beneficial

Results



*significant difference at 5% level

Material & Methods

Animal trial

- Animal: Ross 308 (600 one day old chicks)
- Open-sided house, temperature (28 - 31°C in dry season)

Measurement

- Growth performance data
- Health status biomarker

Statistic

- GLM procedure and post-hoc Turkey's test (SAS Inst. Inc., Cary, NC)

Experimental design

