

ROSEHIP TEA AS A PHYTOGENIC ADDITIVE IN BROILERS DRINKING WATER - A REVIEW

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Abstract

*The welfare and productive performance of broiler chickens are influenced by a number of nutritional, microclimatic, and immunological factors that affect nitrogen metabolism, renal function, and intestinal health. Phytotherapy, through the administration of plant substances with antioxidant effects, is a promising strategy for supporting poultry health. This study synthesizes information on the phytochemical composition and biological properties of rosehip extract (*Rosa canina*), with a focus on its administration in the drinking water of broilers. Active compounds such as vitamin C, flavonoids, tannins, and phenolic acids have antioxidant and antibacterial potential, which can modulate the intestinal microbiota, reduce oxidative stress, and influence nitrogen metabolism, with indirect effects on ammonia emissions.*

Studies indicate that rosehip tea administration may contribute to maintaining renal function and normal nitrogen excretion, being a natural and safe option for sustainable poultry meat production. Further research is needed to optimize the dose and form of administration, evaluate the impact on productive performance, and elucidate the molecular mechanisms by which the active compounds influence the health and welfare of broilers.

Key words: Rosehip, renal function, phytotherapy, poultry health#