**ADDING LUPRO-MIX NA TO THE DRINKING WATETR IMPROVES THE PERFORMANCE OF BROILERS**

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Strategically using a well-formulated combination of organic acids in drinking water throughout rearing period helps maintain poultry water at optimum pH levels for better bird health and feed utilisation. The present study examines the effect of drinking water acidification with a liquid acidifier (Lupro-Mix NA) on the growth performance and litter quality of broilers. Three hundred newly hatched male broiler chicks (Arbor Acres plus) were randomly allocated to 2 treatments (6 replications with 25 chicks per replicate). The treatments were: T1: Negative control (drinking water pH 7.5); T2: Lupro-Mix NA added to the drinking water at 0.5mL/L (water pH 4) and the acidifier was applied from Day 0 to Day 35. The experiment was conducted in a close-sided house with concrete floor pens using rice hull as bedding material. Feed and water were available *ad libitum* during the 35-day trial period. Body weight gain (LWG), feed intake (FI), feed conversion ratio (FCR), livability and faecal score were determined and subjected to analysis of variance as a randomized complete block design. Adding Lupro-Mix NA at 0.5 mL/L significantly increased FCR (1.45 *vs.* 1.41, P < 0.05); however, no statistical differences between the treatment groups were observed for LWG, FI, water consumption and faecal score. Mortality remained below 4% in all groups without any differences between the treatments. This study illustrates that including Lupro-Mix NA in the drinking water benefits the performance of the chicken and could be considered as a viable integral element of a successful biosecurity programme.

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