

## Effects of Coated Cysteamine Added Continuously on Production Performance of Wuhei Broilers

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**Abstract:** 540 feather Wuhei broilers (one-day-old) from closely related species were selected for this trial. They were divided into two groups, including control group and trial group, each group had three replicates, each replicate had 90 broilers, the whole test period was 63 days. Control group was fed with basic ration (without antibiotics), 1-42-day-old broilers in trial group were fed with 200mg/kg coated cysteamine based on basic ration and the usage of oil is decreased by 2kg/t; 43-63-day-old broilers in trial group were fed with 300mg/kg coated cysteamine based on basic ration and the usage of oil is decreased by 2.5kg/t; the results showed that F/G in trial group was decreased by 0.07, cost to gain ratio decreased by 0.18RMB/kg during the whole feeding period for 1-63-day-old broilers. For different period, the effects of coated cysteamine and reduced usage of soybean oil added in 43-63-day-old broilers' rations are significant.

**Key words:** coated cysteamine, broiler, production performance