

Review

Betaine: A Potential Nutritional Metabolite in the Poultry Industry

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Table S1. Effects of dietary supplementation of betaine on the growth parameters of broiler chickens.

Concentration of betaine/kg diet	Effect	Reference
0.05–0.15 mg/kg	Improvement of average body weight gain	73, 108
0.5–1 g/kg	Significant positive effects on body weight gain, feed intake, feed conversion rate, and viability rate	45, 94
1–2 g/kg	Significant improvement in the body weight, body weight gain, and feed conversion ratio and reduced mortality rate	19, 30, 61, 94, 110, 135, 142
2–4 g/kg	Significant positive effects on body weight gain	111
800 mg/kg + methionine 15, 18, 20, 22, and 24 g/kg	Significant increase in body weight gain at 21 days of age	51
<i>In ovo</i> injection at dosage of 0.25 ml with 0.5 ml deionized water	Improved hatching weight and final weight	109