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## Methionine requirement of growing Japanese quails

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### Highlights

- Methionine requirements of growing Japanese quails were determined using different models.
- The mean value of methionine requirements for gain, feed/gain, breast meat yield, and leg meat yield were 5.21, 5.12, 5.37, and 5.95 g/kg of diet, respectively.
- The mean value of total sulfur amino acids (TSAA) for gain, feed/gain, breast meat yield, and leg meat yield were 9.20, 9.11, 9.36, 9.94, and 9.71 g/kg of diet, respectively.
- Methionine requirements for maximising carcass yield might be higher than those needed for maximising performance and estimated values of methionine and TSAA requirements were 16 and 25%, respectively, higher than those recommended by NRC (1994).

### ABSTRACT

In most cases that poultry diets are based on corn-soybean meal, methionine may be the first growth limiting amino acid that should be supplemented through synthetic DL-methionine. Since there is limited information on amino acid requirements of modern Japanese quails

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