

# Productivity and Egg Quality Traits of Sasso T44 Chicken in North Showa Zone, Ethiopia

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## 1 ABSTRACT

This study was conducted to egg quality traits of Sasso T44 chicken under traditional production system in North Shewa Zone, Ethiopia. Three districts were selected based on agro-ecology. From each district three kebeles were purposively selected, and simple random sampling was employed to select the respondents who had four and above Sasso T44 chickens. A total of 270 eggs were used to determine the internal egg quality traits. The collected data were analysed by statistical analysis system (SAS) Version 9.2. The study revealed that the external egg quality traits showed a significant difference ( $P<0.001$ ) in egg weight, egg width, egg length, shell weight and shell thickness, but shape index had no significant difference. In addition, internal egg quality traits had significant difference ( $P<0.001$ ) in yolk height, albumen height, yolk weight, albumen weight, albumen and yolk ratio except yolk colour and Haugh unit. Therefore, it could be concluded that the egg quality traits of Sasso T44 chicken encourages keeping them under traditional production system.

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