

**Effect of thyme leaf powder additive to broiler breeder males diet on
some semen characteristic**

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Abstract

The study was done to investigate effect of thyme leaves powder on some semen characteristic for broiler breeder males ROSS308, the study was done by use 54 male (32 wk. age) divided randomly to three treatments , first was as control group(G1), the second and third(G2,G3) were add the thyme leaves powder in 5&10 kg per ton diet , the semen collection was started in 36wk and the experiment hold to 48wk of male age .

the results showed that there were a significant increase ($P<0.05$) in ejaculate volume, sperm concentration, counts, movements and a significant decrease ($P<0.05$) in motility and abnormality for G3 and G2 compared to G1, and a significant increase ($P<0.05$) to G3 on G2 .from this results the conclusion were that thyme have antioxidant and nutrition affection which lead to significant effect on semen characteristic.