

Effects of *Zingiber Officinale* powder on Semen Characteristic and Blood serum sex hormones concentration in broilers Breeder Male

A. k. shanoon

Department of Animal Resources , college of Agriculture Diyala University
– Iraq

ABSTRACT

To examine the effects of *Zingiber Officinale* (ginger) powder on male reproductive therefore it was administered in feed to two groups of male broilers breeder(30wk age) at levels of 5 and 10 kg/ton, A third group was a control group(no additive) . Treatment was form 24 to36 wk. age. ejaculate volume, sperm concentration, counts, movements, motility and abnormality, blood serum LH, FSH and testosterone concentration, were determined. The treatments caused a significant increase ($P<0.05$) in ejaculate volume, sperm concentration, counts, movements and a significant decrease ($P<0.05$) in motility and abnormality. There was also a significant increase ($P<0.05$) in blood serum LH, FSH and testosterone levels. Our results indicated that *Zingiber Officinale* powder possesses pro-fertility properties in male broiler which might be a product of androgenic activities.

