PREVALENCE OF POULTRY DISEASES IN ERODE DISTRICT

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Erode district is the third largest in Poultry population in Tamil Nadu. At present a total of 89 layer farms and 367 broiler farms are having population of 38.26 lakhs layers and 14.65 lakhs broilers. On the basis of available post mortem and disease outbreak data at the Poultry disease diagnostic laboratory, Erode, the disease prevalence for the past 5 years (2005-2010) was analyzed. The most prevalent disease was Ranikhet Disease(RD) followed by the Infectious Bursal Disease(IBD). The mortality rate of RD was higher (26.34%) in 2005-06 and lower (0.5%) in 2009-10 but the outbreak incidence rate was higher (69%) in 2009-10 and lower (42%) in 2007-08. The next prevalent disease was IBD and its mortality rate was higher (1.7%) in 2005-06 and lower (0.6%) in 2009-10 but the outbreak incidence rate was higher (20%) in 2007-08 and lower (1.6%) in 2005-06.

The combined outbreak incidence of RD and IBD was encountered in all the years and the mortality rate was significantly higher (7.24%) when compared with individual disease outbreaks. (RD 5.79% and IBD 1.3%) The incidence of mixed infections like R.D + Coccidiosis, R.D + Coryza, R.D + C.R.D, R.D + Ascariasis, R.D+Colibacillosis, IBD + Colibacillosis, IBD + Coryza, IBD + Coccidiosis were encountered in every year. The mortality rate in mixed infections was higher (2.7%) in 2005-06 and lower (0.5%) in 2009-10. and the outbreak incidence rate was higher (45.16%) in 2005-06 and lower (11.47%) in 2009-10.

Key words: Poultry, Disease prevalence, Mortality, Outbreak incidence.