

Incidence and Etiology of Neonatal Calf Diarrhea in the Region of Blida, Algeria

Authors : A. Dadda, D. Khelef, K. Ait-Oudia, R. Kaidi

Abstract : Neonatal calf diarrhea is the most important disease of neonatal calves and results in the greatest economic losses due to disease in this age group in both dairy and beef calves. The objectives of the present study were to estimate the morbidity and the mortality of neonatal diarrhea in dairy calves also to determine aetiology and risk factors were caused diarrhea in dairy veal under 60 days old. A total of 324 calves, housed in 30 dairy breeding were followed during two calving season from January to June 2013. The total mortality was 5,9% and was significantly higher in calves had less than 15 days of age. The incidence rate of diarrhea was 31,5% and peaked in the first two weeks after calving. The main causes were breeding controls, defect of passive immunity, old of calf, production season, and nutrient of pregnant cattle, veal's housing and infectious agents. ELISA test on 22 fecal samples revealed that the 31, 82% of dairy breeding were infected, by cryptosporidium parvum in 13, 6% of study population, E.Coli F5 in 9% and Rotavirus with rate of 4, 5%.

Keywords : diarrhoea, neonatal, mortality, aetiology, risk factors, incidence

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