

LC007-Poster

Studying the Pattern of Lameness Incidence according to Season and Lactation Period in an Industrial Cattle Farm in Iran

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Lameness After mastitis and reproductive disorders is the third prevalent factor of great economic losses of industrial farms. Incidence of lameness in dairy herds is influenced by several factors such as management, environment and congenital agents.

This study was performed to evaluate the significance of lameness control methods according to the lactation period, to study the influences of season on lameness incidence, and to evaluate the importance of known factors affecting lameness in intensive dairy farms in IRAN.

This is a retrospective study in a dairy farm near Tehran with 1500 milking cows in one year period. (March2006 – March2007) In this study 828 cases showed clinical lameness ( clinical lameness means over 3 score in cook's method). Date of incidence, lactation period, type of injuries which created lameness was recorded during that period. Results were processed by chi-square statistical test.

Inter digital Flegmon in spring, digital dermatitis in winter and laminitis in summer has the most significant currency. No correlation was seen between the season and other diseases.

Inter digital Flegmon in 5th & upper lactation , digital dermatitis in 2nd lactation, p3 fracture in 5th & upper lactation and Complex injuries in first lactation has the most significant currency. No correlation was seen between the lactation period and other disease.

It can be concluded that more attention to litter management for decreasing the incidence of lameness in different seasons should be done, and the relationship between lactation period and lameness disorders should be considered for controlling them.

**Key words:** Lameness, Incidence, Season, Lactation Period, Cattle



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