**CHAPTER VI**

**SUMMARY**

An eight months cross-sectional prospective survey was made on dairy cows to explore the prevalence and predisposing factors of different hoof disorders from June 2013 to January 2014 at Chittagong metropolitan area, Thakurgaon sadar and Birgonj upozilla of Dinajpur districts of Bangladesh. Approximately 2100 cattle population was examined from where 497 cases were identified having crack 19%, partially broken 19%, fissure 37%, swollen 16% and 9% multiple disorders in backyard dairy cows whereas 17%, 20%, 37%, 20% and 6% in commercial cows respectively. Significantly higher prevalence (p<0.05) rate was recorded in the cows reared under concrete floor (68.4%) compared to brick (13.27%) and concrete with rubber bedding (18.30%). Other major predisposing factors established were autumn season (42.86%), older animals of 6 to 8 years (70.42%), high milk yield (10 to 14 liter per day) (72.43%) and cows where floor washing practiced twice a day (58.14%) though the findings were not significant (p>0.05).