

Does Mealy Bug a Key Hindering Factor for *Annona reticulata* Production in North-eastern Part of Bangladesh?

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Abstract—A field based survey was done in three locations viz. Jagannathpur (24°46N and 91°32E), Sylhet Sadar (24°89N and 91°88E) and Baniachong (24°54N and 91°33E) of Sylhet division (north-eastern region) in Bangladesh on the mealybug infestation in *Annona reticulata* fruits. Recently farmer/tree owner of Sylhet region challenged a severe problem of mealybug infestation and finally uprooted the *A. reticulata* trees. Results found that the average number of fruits per plant were 32, 19, 15.67 in Jagannathpur, Sylhet Sadar, Baniachong, respectively. On the other hand, average no of infested fruits per plant of the above three locations were 11.89, 12.56 and 3.00, respectively. In case of fruits weight significant difference was not evidenced among the three locations. However, number of mealybug infestation per fruit in Baniachong (22.0) which was significantly lower than Jagannathpur (82.88) and Sylhet Sadar (133.11).