SERO - PREVALENCE OF PED VIRUS IN SOWS AND IDENTIFY RISK FACTORS ASSOCIATED TO PED IN BEN TRE PROVINCE FROM APRIL TO DECEMBER 2016

Huynh Minh Tri, Nguyen Ngoc Hai

Summary

Porcine Epidemic Diarrhea virus (PEDV), a Coronavirus that caused a enteric infectious disease with high mortality for piglets particularly newborn. A survey on PED virus infection in sows was carried out in Ben Tre province. Blood samples from unvaccinated PED sows were collected and determined antibodies against PEDV by ELISA test. Results showed that, the percentage of sow farms with PED antibody in Ben Tre province is 59.62%. Mean PEDV infection prevalence of sows was 30.77%. The highest prevalence was found in Mo Cay Bac district (48.15%), then in Mo Cay Nam (25.86%), Chau Thanh (22.00%) and lowest rate was in Giong Trom district (21.13%). Rate of antibodies against the virus sows PED does not depend on the farm size of the total number of sows and litters of sow reproduction. Analysing the risk factors to PED suspected epidemic showed that, the highest risk factor was not disinfectant housing or disinfecting fewer than one time per every 2 weeks, and then without disinfectant pits in the house; the distance to the PED disease outbreak farm less than 100 m.

Keywords: Ben Tre, porcine epidemic diarrhea (PED), sows, risk factors.