



ESPHM

2020+1 12th EUROPEAN SYMPOSIUM
OF PORCINE HEALTH MANAGEMENT

April 14th - April 16th, 2021



PROCEEDINGS

April 14th-16th, 2021

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MIS-PP-29

A SURVEY ON EXTERNAL BIOSECURITY IN COMMERCIAL PIG FARMS IN SERBIAJ. Prodanov-Radulovic¹, I. Pusic¹, Z. Grgic¹, R. Ratajac¹, J. Petrovic¹, J. Bojkoski², J. Mirceta³¹*Scientific Veterinary Institute "Novi Sad", Republic of Serbia*²*Faculty of Veterinary Medicine, University of Belgrade, Republic of Serbia*³*Public Enterprise "Vojvodinasume", Republic of Serbia***Background and Objectives**

The epidemiological situation in Europe regarding the spreading of african swine fever (ASF), fomented the Veterinary Directorate of Serbia to order in 2017 implementation of a set of control and preventive measures throughout country and at state borders. In the last two years an intense work in order to increase awareness and disseminate informations to all subjects involved in pig production was intensively undertaken. Unfortunaltely, ASF was officially recognized in Serbia in 2019 and biosecurity has become the most relevant issue for the sustainable pig production. The aim of the paper was to investigate the external biosecurity measures applied in commercial pig holdings in the Vojvodina region.

Material and Methods

In order to evaluate external biosecurity measures on commercial pig farms, a biosecurity questionnaire was applied. Epizootiologists from the veterinary institute participated in the data collection on existing external biosecurity measures on pig farms.

Results

According to the results of the biosecurity questionnaire, it can be concluded that significant risks regarding external biosecurity are related to different transport vehicles that enter the farm perimeter and lack of adequate sanitary facilities for employees and visitors. However, farm workers in contact with backyards pose a foremost biosecurity risk for disease introduction.

Discussion and Conclusion

According to the level of biosecurity, five different pig production types can be distinguished: commercial farm, family farm types A and B, backyards and free-range. The backyards are common practice in villages and city outskirts and account for most of the pig production in Serbia (82.7%).In conclusion, we need to have in mind that maintaining biosecurity is not of importance only in case of epidemic outbreak, but should be routinely applied measures to prevent the swine diseases introduction.

Acknowledgments: This work was supported by the Ministry of Science and Technological Development, the Republic of Serbia, grant TR31071