

TITLE

THE USE OF DANBRED RESPIG-SPOTFIRE SYSTEM FOR MONITOR HEALTH STATUS AND HEALTH DECISIONS

Victor Geurts¹, Luuk Kaalberg²

¹ *MSD-AH Nederland, Boxmeer, The Netherlands*

² *Danbred BV, St. Oedenrode, The Netherlands*

CONTENT

Background and Objectives

Danish genetics is the fastest growing breed in The Netherlands. The breeding farms and/or mature gilts are free from 1 or more pathogens (PRRS,Mhyo,App).

ResPig monitoring program involvings regular cross-sectional serological/PCR investigations. An investigation including PRRS,Mhyo,App,Circo,Salmonella and Lawsonia is installed 4 times per year and in between a monthly monitor of mature gilts. When farm-or gilt status changes actions for improving the status are implemented. A monitor of the effects is needed. For that the MSD-AH analyze tool (ResPig-Spotfire) is used and evaluated.

Material and Method

The effect of 3 interventions is monitored and analyzed via ResPig-Spotfire.

- 1.Effect of hygiene/biosecurity vs salmonella vaccination on the Salmonella status of gilts.
- 2.Achieving a M hyo stable status of gilts on an infected SPF herd via vaccination and biosecurity.
- 3.Achieving ApxIV negative gilts on an infected SPF herd.

Spotfire combines farm-and group specific data captured in the digital logistic program Ressero and the test outcomes in the lab's management system. Via selection of variables different graphs are generated. Per disease: cross sectional graphs of recent submissions and graphs per group (including recent+historical submissions) are used for monitoring the intervention's effect.

Results

- 1.Strict hygiene and internal biosecurity procedures resulted in a Salmonella status improvement of gilts from status 3 to 1. No status changes via sow and piglet vaccination.
- 2.Via sow and initial 2-shot M hyo piglets/gilt vaccination, mature gilts have uniform low titers with a low SD.
- 3.Via internal biosecurity improvement and vaccination mature gilts became App ApxIV negative.

Discussion and Conclusions

The ResPig-Spotfire analyze/report tool is suitable for detecting health status changes of farms/groups and monitoring the intervention effects. This is important since in very pig dense areas the risk of changes of health status of farms is higher.

Well-founded veterinary advices resulted status improvement on infected farms.