

VVD-PP-52

TITLE

CASE STUDY OF PRRSV ERADICATION BY COMBINING A MLV AND KV PRRS VACCINE ON A HUNGARIAN SWINE FARM

Gabor Schindler¹, Tamas Revesz¹, Han Smits², Preben Mortensen³

¹ *Ceva Hungary & EU zone, Budapest, Hungary*

² *Ceva Phylaxia, SID, Budapest, Hungary*

³ *Ceva Sante Animale, Libourne, France*

CONTENT

Background and Objectives

PRRS to control in the modern swine industry. The clinical impact has not declined since the appearance in the early 90's. More and more countries are working on control or even eradication of the virus. Hungary started in 2014 with a national PRRS eradication program.

In this program all the swine farms were monitored and a tailor made program was initiated.

Material & Methods

A Hungarian 1.000 sow farrow-to-finish farm, was PRRSV-infected in 2015. With reproductive problems and a high mortality in the piglets (to 10% in piglets with the sows, 9% in the weaners and 14% in the finishers). Mass vaccination gilts and sows, 4 times/year with a Modified Live Virus (MLV) vaccine and the piglets at 14 DOA. Reproductive problems were controlled, not the mortality. January 2017 circulating virusses sequenced as European field strain and vaccine strain.

The Progressis® Prime-Boost Concept (PBC) started in June 2017 with PRRS MLV 7th week of pregnancy and killed virus (KV; Progressis®) 3 weeks prior to farrowing. Gilts in isolation MLV+KV, 4 weeks apart, finalized 3 weeks before first insemination.

Results

The mortality in the piglets decreased after the start of the Progressis® PBC 7+3 program; 5% in the piglets with the sow, 3% in the weaners. For the first time 50 weaners were tested negative on PCR in March 2018. At the monitor of November 2018 all nursery piglets sampled, 10x 4-6-8-10 weeks, were tested PCR negative.

Discussion & Conclusion

This Hungarian 1.000 sows farrow-to-finish farm, a PRRS-outbreak had a big impact on the technical results. Massive MLV vaccination did not solve the problems. After introduction of the Progressis® PBC 7+3 program, the clinical problems declined and PRRSV was eliminated from the nursery. In the National PRRS program the Progressis® PBC has proven its strong efficacy.