

Accepted Manuscript

Title: Modelling the economic efficiency of using different strategies to control Porcine Reproductive and Respiratory Syndrome at herd level

Authors: H. Nathues, P. Alarcon, J. Rushton, R. Jolie, K. Fiebig, M. Jimenez, V. Geurts, C. Nathues



PII: S0167-5877(17)30189-7
DOI: <https://doi.org/10.1016/j.prevetmed.2018.02.005>
Reference: PREVET 4405

To appear in: *PREVET*

Received date: 9-3-2017
Revised date: 6-2-2018
Accepted date: 6-2-2018

Please cite this article as: Nathues, H., Alarcon, P., Rushton, J., Jolie, R., Fiebig, K., Jimenez, M., Geurts, V., Nathues, C., Modelling the economic efficiency of using different strategies to control Porcine Reproductive and Respiratory Syndrome at herd level. *Preventive Veterinary Medicine* <https://doi.org/10.1016/j.prevetmed.2018.02.005>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Modelling the economic efficiency of using different strategies to control Porcine Reproductive & Respiratory Syndrome at herd level

Nathues H¹, Alarcon P², Rushton J², Jolie R³, Fiebig K⁴, Jimenez M⁵, Geurts V⁶, Nathues C⁷

¹Clinic for Swine, Department of Clinical Veterinary Medicine, Vetsuisse Faculty, University of Bern, Switzerland

²Veterinary Epidemiology, Economics and Public Health Group, Department of Production and Population Health, Royal Veterinary College of London, United Kingdom

³Merck Animal Health, New Jersey, United States of America

MSD Animal Health, ⁴Germany, ⁵The Netherlands and ⁶Spain

⁷Veterinary Public Health Institute, Department of Clinical Research & Veterinary Public Health, Vetsuisse Faculty, University of Bern, Switzerland

Abstract

PRRS is among the diseases with the highest economic impact in pig production worldwide. Different strategies have been developed and applied to combat PRRS at farm level. The broad variety of available intervention strategies makes it difficult to decide on the most cost-efficient strategy for a given farm situation, as it depends on many farm-individual factors like disease severity, prices or farm structure. Aim of this study was to create a simulation tool to estimate the cost-efficiency of different control strategies at individual farm level. Baseline is a model that estimates the costs of PRRS, based on changes in health and productivity, in a specific farm setting (e.g. farm type, herd size, type of batch farrowing).

The model evaluates different intervention scenarios: depopulation/repopulation (D/R), close & roll-over (C&R), mass vaccination of sows (MS), mass vaccination of sows and vaccination of piglets

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات