

Agenda visit from União das ADS de Alentejo

11:30-12:00 Lunch at SEGES

12:00–12:15 Photography

12:15–12:30 Introduction to SEGES Innovation by veterinarian Peter Raundal

12:30–12:50 Surveillance and eradication of infectious cattle diseases by veterinarian Erik Rattenborg

12:50–13:10 Biosecurity in Danish cattle herds by veterinaian Lars Pedersen

13:10-13:20 Coffee and cake

13:20–13:40 The Portuguese surveillance and contingency programme with a special focus on EHD in Portugal

13:40-13:50 Wrap-up



Key Elements for Enhancing Biosecurity in Danish Cattle Farming

Research Integration

Research findings provide vital data that inform biosecurity strategies in cattle farming.

Collaboration & Communication

Effective teamwork and communication enhance the implementation of biosecurity measures.

Best Practice & Expert Insight

Applying best practices and expert opinions ensures the highest standards of biosecurity.

Digitalisation & Consultancy

Digital tools and tailored consultancy improve decision-making and biosecurity management.

Innovation

Developing tomorrow's solutions to improve biosecurity in Danish cattle herds.



Collaborations on research initiatives

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A COLLABORATION BETWEEN







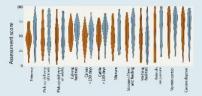


Improving knowledge about biosecurity against Salmonella Dublin introduction and establishment in dairy cattle farms Lars Pedersen^{1,2,*}, Hans Houe¹, Erik Rattenborg², Liza Rosenbaum Nielsen¹ We asked Why we asked Can we provide new knowledge about the effect of . There are many introduction pathways for S. Dublin and biosecurity in dairy farms located in S. Dublin-endemic areas of Denmark by assessing biosecurity level semiquantitatively? cattle farms since 2015 despite a national eradication What we did ... 100 Excellent biosecurity Ingoing animal Production type, ore * 8 case farms declined to participate were excluded or out of reach. Total lack of biosecurity Follow ~1,400 dairy farms at risk Select newly test-positive and remain-Score biosecurity level on-farm in Include farm register data with no recent history of salmonella for secondary variables and ing test-negative farms, matched on 12 different farm sections based on located in S. Dublin-endemic areas herd size, from the Danish surveillance observations, interview questions and conditional logistic analysis. of Denmark. programme over a one-year period. a scoring guide.

What we saw ...

IN COLLABORATION BETWEEN

SEGES



and we concluded ... Individual biosecurity

section effects

but not clearly identified

Expert-weighted into a single overall biosecurity score

> Case Control

What we found ... Biosecurity reduces the odds of becoming a case: OR = 0.64 (95% CI = 0.43-0.96, p = 0.03) For each 10-unit increment in

UNIVERSITY OF

COPENHAGEN

Local infection pressure increases the odds of becoming a case: OR = 1.13 (95% CI = 1.01-1.25, p = 0.03)

For each 1,000 increment in number of cattle in S. Dublin test-positive neighbour farms within a 10 km radius.

A preventive effect of the

overall biosecurity level 5. Dublin in Danish dairy cattle farms.

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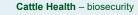


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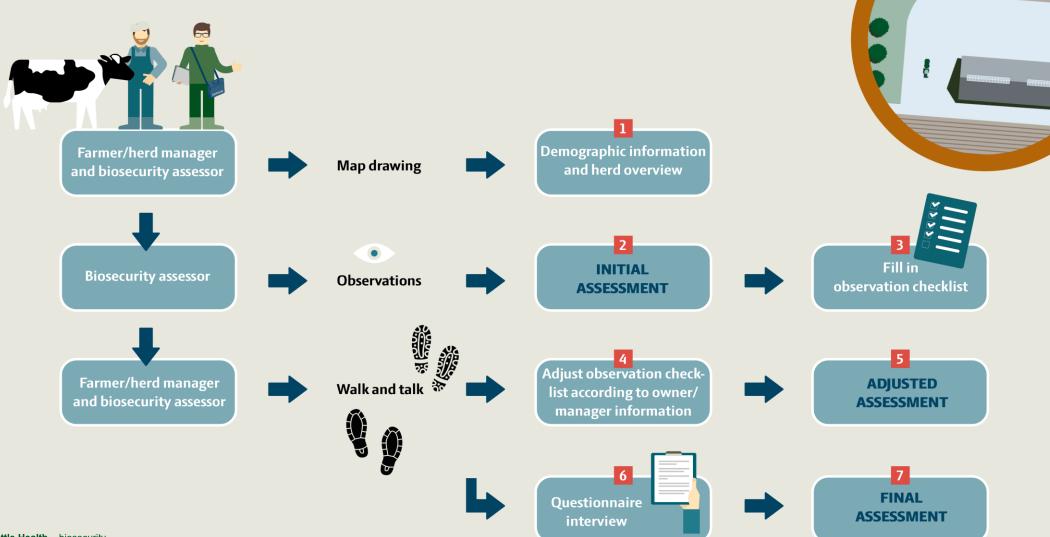
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AFFIL ATION



Data collection



Pedersen et al. 2023 Cattle Health - biosecurity

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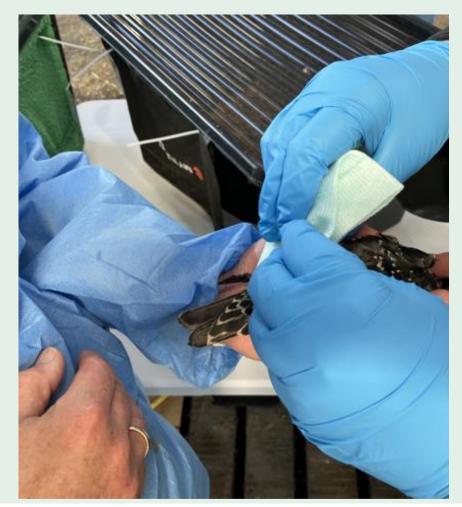




Zero Salmonella prevalence found in common starlings sturnus vulgaris captured in Danish cattle sheds on farms infected with Salmonella enterica Dublin

Malene Budde¹, Betina B. Tvistholm¹, Henning Heldbjerg², Erik Rattenborg¹ and Anthony D. Fox²

¹SEGES Innovation P/S, Animal Health and Welfare, Cattle Livestock, DK-8200 Aarhus N, Denmark and ²Department of Ecoscience, Aarhus University, C.F. Møllers Allé 8, DK-8000 Aarhus C, Denmark.



Communication

- Newsletters
- SEGES TV
- SEGES Innovation's agricultural knowledge portal
- The Danish Cattle Conference
- Dairy Managment System







Best Practice & Expert opinion

- Practical guidelines for farmers
- Expert opinion to stakeholders regarding:
 - Cattle diseases
 - Disease control and prevention
 - Biosecurity

SÅDAN RENGØR DU

Enkeltkalvehytten

- √ Flyt hytten til vaskearealet og fjern al strøelse og gødningsrester
- ✓ Husk brug af personlige værnemidler
- ✓ Grovspul alle flader med vand ved højt eller lavt tryk og masser af vand
- ✓ Udlæg en alkalisk sæbebrugsopløsning (pH 9 12)
 - Husk korrekt koncentration af sæbebrugsopløsningen (læs produktvejledning)
- ✓ Lad sæben virke ca. 15 minutter.
- ✓ Spul sæbe og skidtrester af ved højt tryk eller lavt tryk og masser af vand
- ✓ Flyt hytten til et rent og tørt sted og lad tørre nogle timer
- Gennemgå kritiske kontrolpunkter inden desinfektion (se nedenfor)

Er der problemer med

brænder med bræd flamme slikke kortvarigt op
ad boksinventar, gulve og vægge efter endt
hydratkalkopløsningen
sprøjtes på.

- Oversprøjt de tørre flader med et godkendt desinfektionsmiddel og efterlad til tørring
 - Husk korrekt koncentration og kontakttid (læs produktvejl.)
- ✓ Oversprøjt gulvflader og vægge, hvor kalvehytterne står, med en 15 pct. hydratkalkbrugsopløsning (15 kg kalk i 100 liter vand).

KRITISKE KONTROLPUNKTER: Er disse ting og steder rene inden desinfektion?



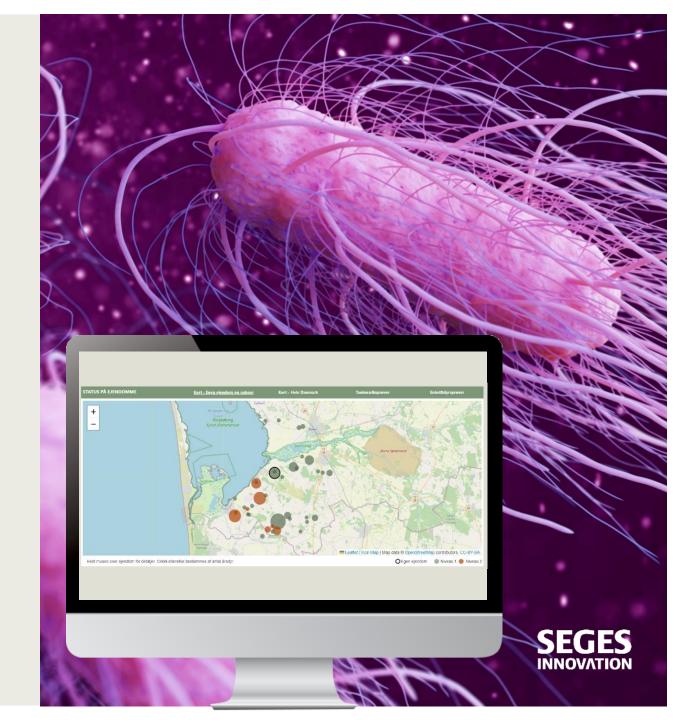
- Hyttens ud- og indvendige overflader, visuelt og ved tjek.
 - Kør en finger hen over overfladen med et vist tryk. Overfladen må ikke føles glat, men skal derimod give lidt modstand - så burde overfladen være ren
- · Indvendigt i toppen af hytten.



- Indvendigt i kantåbningen
- Kanten i bunden af hytten.

Digitalisation

- Transparency Publicly available information about herd health disease status
- Information and Illustration of epizootic disease situation
- Calf check Information about disease development in supplier herds
- Etc.



Innovation - Developing tomorrow's solutions





Time for questions



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