A new phase in the control of BoHV1 in the Netherlands

- an update on the progress -

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11. Stendaler Symposium – 04. April 2019, Stendal, Germany

Background

Germany

June 2017: officially free of BoHV1 (EU article 10)

The Netherlands

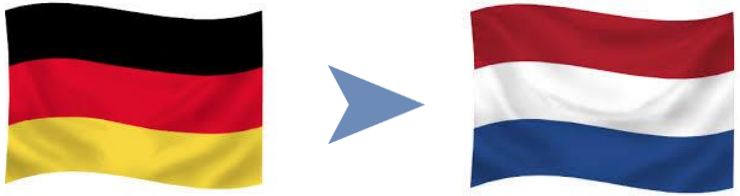
2015 end milk quota era, shift to phosphate regulations

→ decreasing numbers of cattle

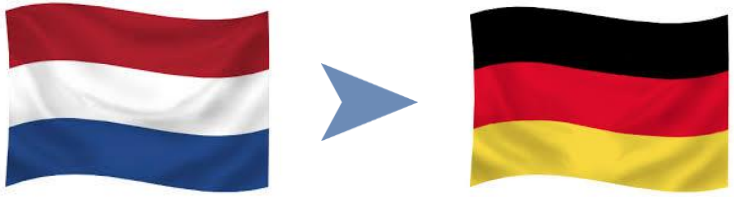
→ (temporarily) movement of (young)stock to Germany

Although discrepances… same goal

Trade NL-D #2017



550.411 calves aged <2 months (**73% total**)
16.209 cattle aged >2 months (**26% total**)



10.500 cattle >2 months old (**5x #2013**)

History IBR

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- Nineties: a lot of scientific research
- 1997 national eradication programme (***all cattle***) ~herdprevalence 84%
- 1999 suspension programme (BVDV2 contaminated IBR-vaccine)
- 1999-2018 voluntary certification programmes ~herdprevalence 16%
- 2015 start discussion new eradication plans
- April 2018 national mandatory eradication programme (***dairy farms***)

IBR BVD

→ 3 routes to a IBR-free herd
→ license to produce
→ basics: “Vaccinate unless… free or unsuspected status”

IBR-vaccination certification

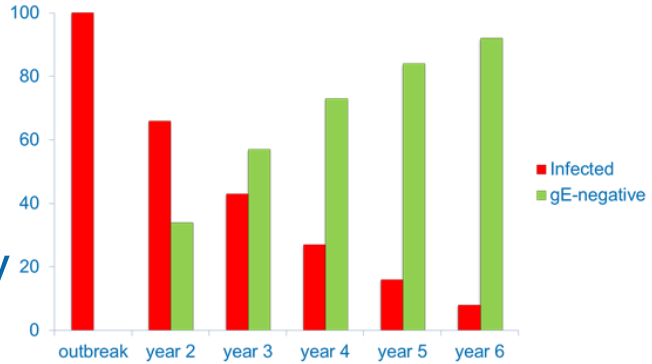
Herds with high prevalence (>10%) mostly

Intake:

- Whole herd vaccination with gE-deleted IBR-markervaccine (all animals >3 months of age)

Maintaining *vaccinated* status:

- Prolonged when whole herd is vaccinated every six months therafter



01.01.2019

20% herds vaccinated

IBR-free certification

Intake:

- Individual bloodtesting all cattle gE-antibodies
  - → no antibodies: IBR-free certificate
  - → antibodies: cull + 1 month later bulkmilktesting

01.01.2019

49% herds free

Monitoring *free* status:

- Automatic monthly bulkmilktesting gE-antibodies
  - →no test is perfect. Risk-based!
    - Purchase of cattle: loss of free status, obligatory testing
    - Clinical signs: nasal swabs
    - Abortions: bloodtesting
    - When outbreak confirmed: tracing down cattle

IBR-unsuspected certification

Herds with low prevalence (<10%)

01.01.2019

30% herds unsuspected

Intake:

- negative bulkmilktest gE-antibodies

Monitoring *unsuspected* status:

- Automatic monthly bulkmilktesting gE-antibodies
  - → Purchase of cattle: obligatory testing
    Abortions: bloodtesting
    Clinical signs: nasal swabs

Shortened route to IBR-free:

- Minimum 2 years “unsuspected”
- Testing: animals > 6 years
  - → no antibodies: IBR-free certificate
  - → antibodies: cull + 1 month later bulkmilktesting

See POSTER!

Results so far

- 16.052 dairy farms in total ~99.5% participation
- **free + unsuspected** herds **~80%**
- 0.4% of free herds infected in 2018

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- 16.052 dairy farms in total ~99.5% participation
- **free + unsuspected** herds **~80%**
- 0.4% of free herds infected in 2018
- 1.2% of unsuspected herds infected in 2018
- 1% of traded animals from non-free herds seropositive and eliminated
- total amount of clinical outbreaks decreased (28 herds PCR+ nasal swabs)
- stable % of herds sending nasal swabs; 13% PCR+

Future

17.239 non-daiy farms ~9.6% herdprevalence

01.01.2019: 23% IBR-free on voluntary basis

→ separate programme since 1997 based on individual bloodtesting all cattle gE-antibodies; monitoring if possible via slaughterhouse sampling

→ can participate in vaccination route

2019? National implementation of IBR-eradication for ***all*** bovine herds by the Ministry of Agriculture

202..? Request for EU article 9

Thank you for your attention!
Questions?

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