



Mummified fetuses – why should we care?

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Agenda

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Dead or alive - definition

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Mummified fetuses

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When to think of what (diseases)

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Questions

Dead or alive - definition

Live born piglets:

- Dry navel
- No soft tip on the hoofs.



Dead or alive - definition

Stillborn piglets (dead born):

- Looks like live pigs
- Wet navel
- Soft tips on hoofs
- Big or small



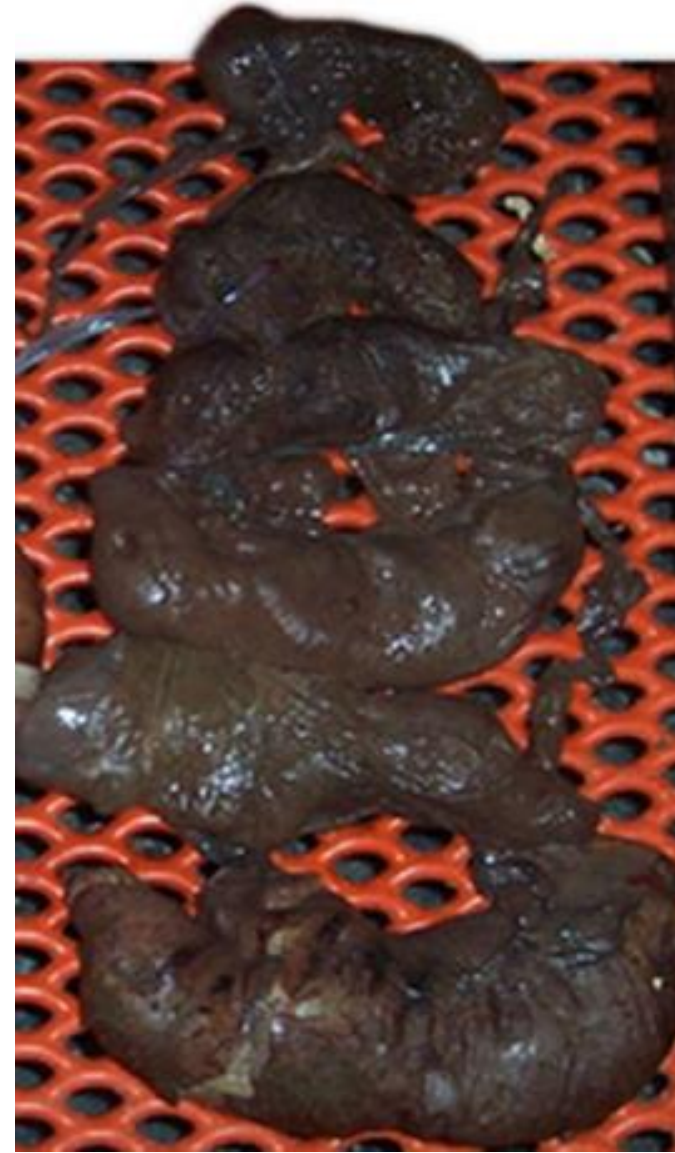
Dead or alive - definition

Mummified piglets:

- Black or brown pigs
- Can look like normal pigs or be undeveloped/unfinished



Mummified fetuses – why should we care?





They look bad...

They fill up the DAKA bucket...

It costs money...



Source: secanim.dk

Something is wrong...



What is a mummified pig?

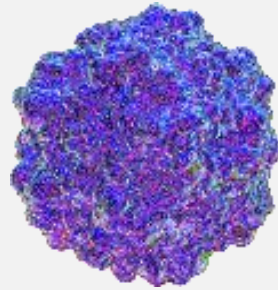


Source: svineproduktion.dk

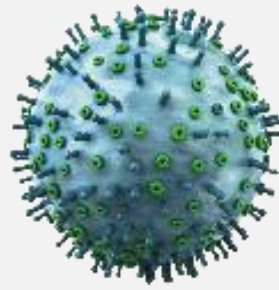


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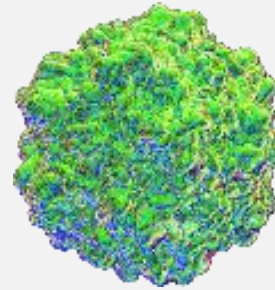
What causes mummified pigs?



PPV



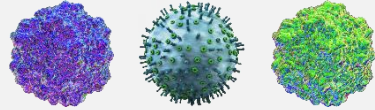
PRRS



PCV2

What causes mummified pigs?

Return to estrus

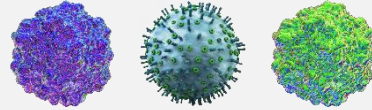


PPV

PRRS

PCV2

Small litters

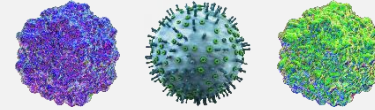


PPV

PRRS

PCV2

Mummified fetuses

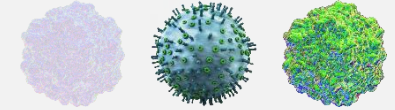


PPV

PRRS

PCV2

Dead born piglets



PPV

PRRS

PCV2

When to think of what?

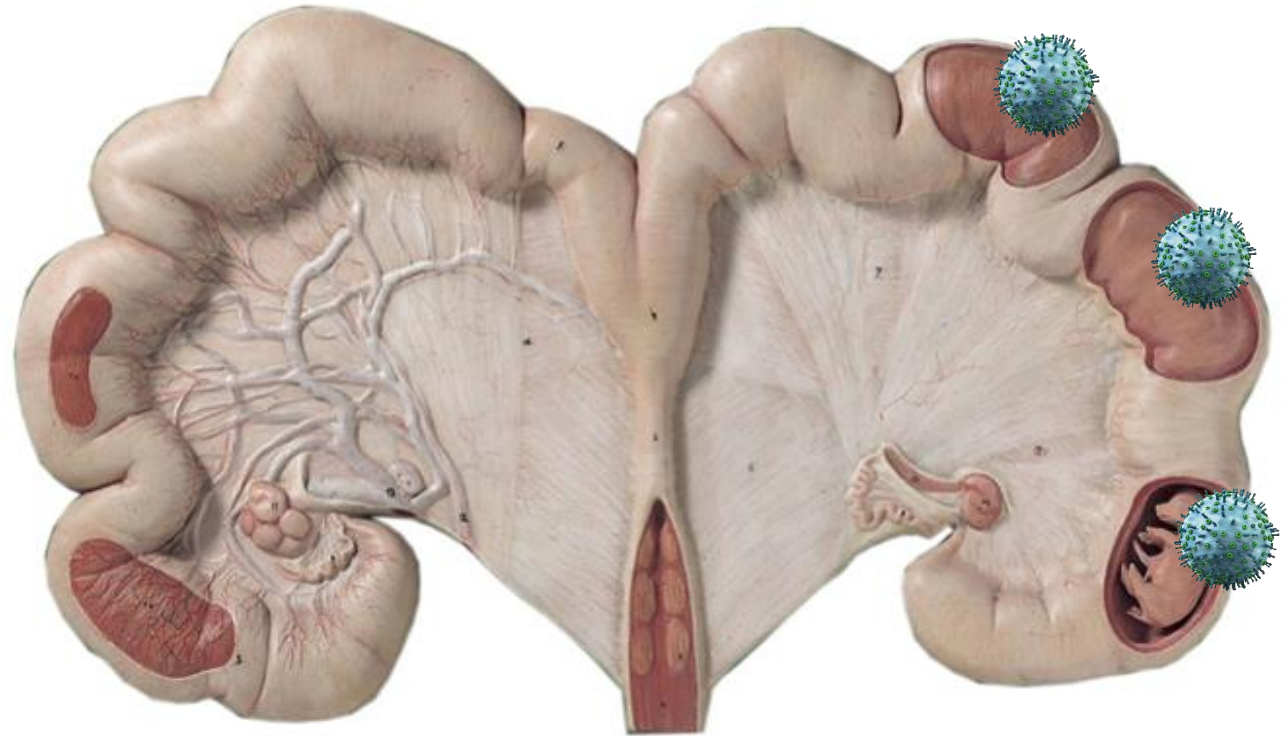
PRRS

PRRS:

- Late abortion/early farrowing
- Small litters
- More weak or dead born pigs (also mummies)
- More return to estrus ("omløbere")
- More weak/dead pigs after farrowing

Why?

Is transferring from sow to pigs at beginning of pregnancy, or after day 70



When to think of what?

PRRS:

- Late abortion/early farrowing
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Why?

Is transferring from sow to pigs at beginning of pregnancy, or after day 70



RS



Source: landbrugsinfo.dk



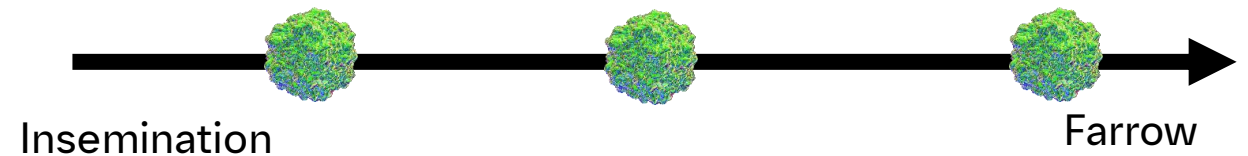
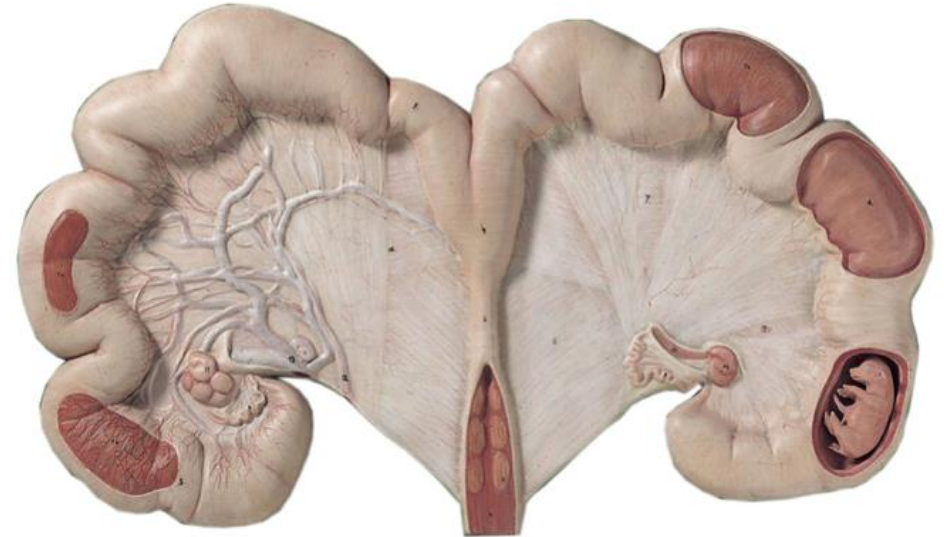
Source: svineproduktion.dk

When to think of what?

PCV2

PCV2

- Small litters
- More weak or dead born pigs (also mummies)
- More return to estrus ("omløbere")
- Abortions
- More dead/weak pigs after farrowing



When to think of what?

PCV2

- Small litters
- More weak or dead born pigs (also mummies)
- More return to estrus ("omløbere")
- Abortions
- More dead/weak pigs after farrowing

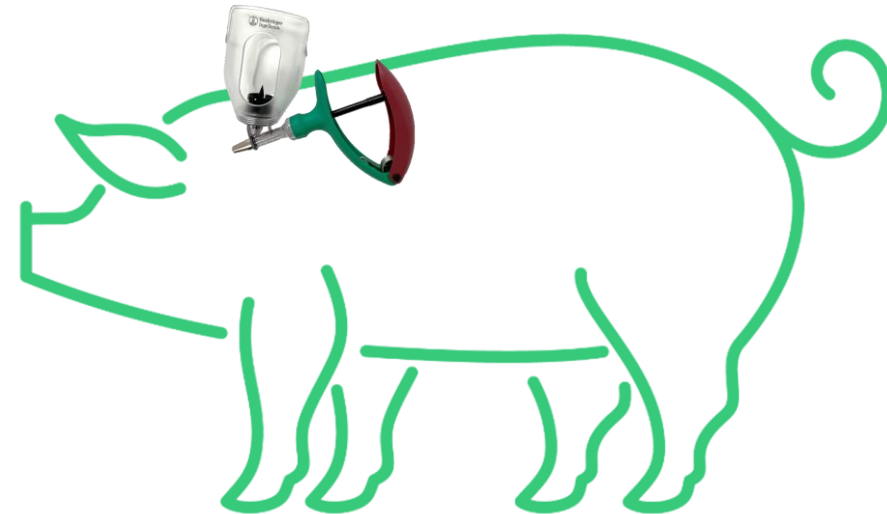
For older pigs:

- Unthrifty, weak, long hair
- Slow growth
- Respiratory disease

PCV2



Source: svineproduktion.dk



When to think of what?

Porcine Parvovirus (PPV)

When to consider PPV?

- Small litters, few pigs per sow
- Returns to estrus (“omløbere”)
- More sows slaughtered due to infertility
- Mummies and dead born pigs
- Particularly affecting gilts/polte (sows not sick)

A gilt problem...

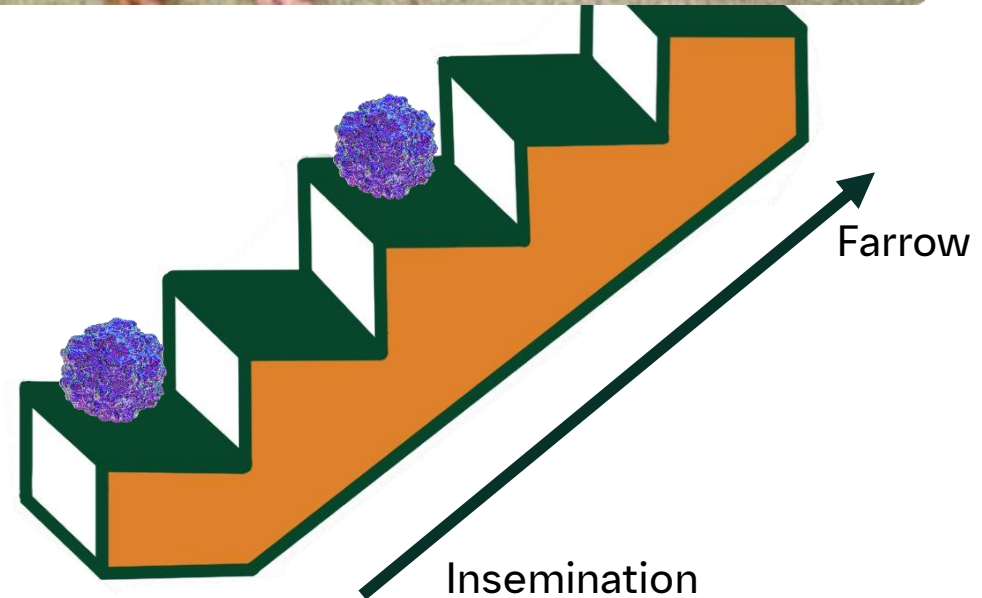


When to consider PPV:

- Different sizes of pigs
- Some mummies
- Some dead “normal” pigs
- Some live pigs



Look for: stair-step litters!



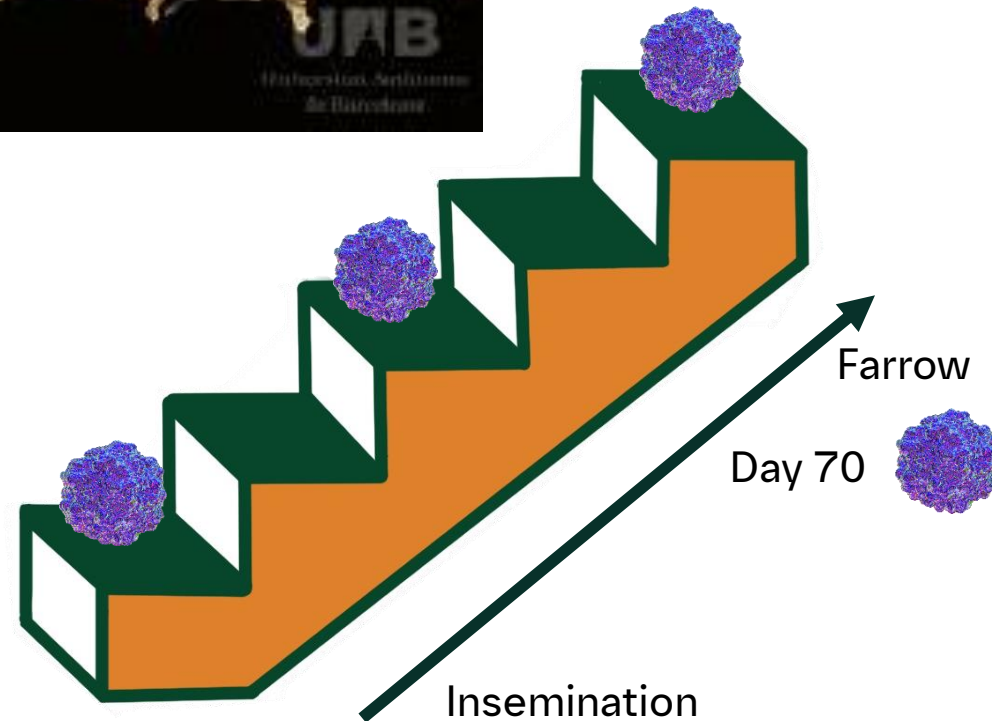
When to consider PPV:

- Different sizes of pigs
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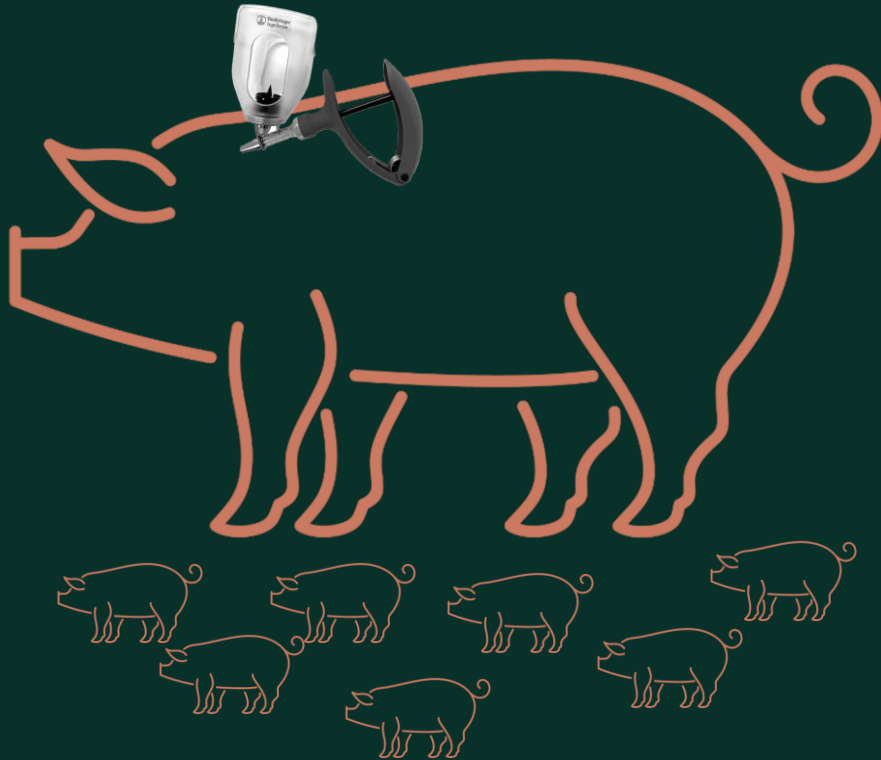


PPV after day 70
= nothing happens

Look for: stair-step litters!



Vaccination



**Correct parvo-vaccination =
game changer!!!**

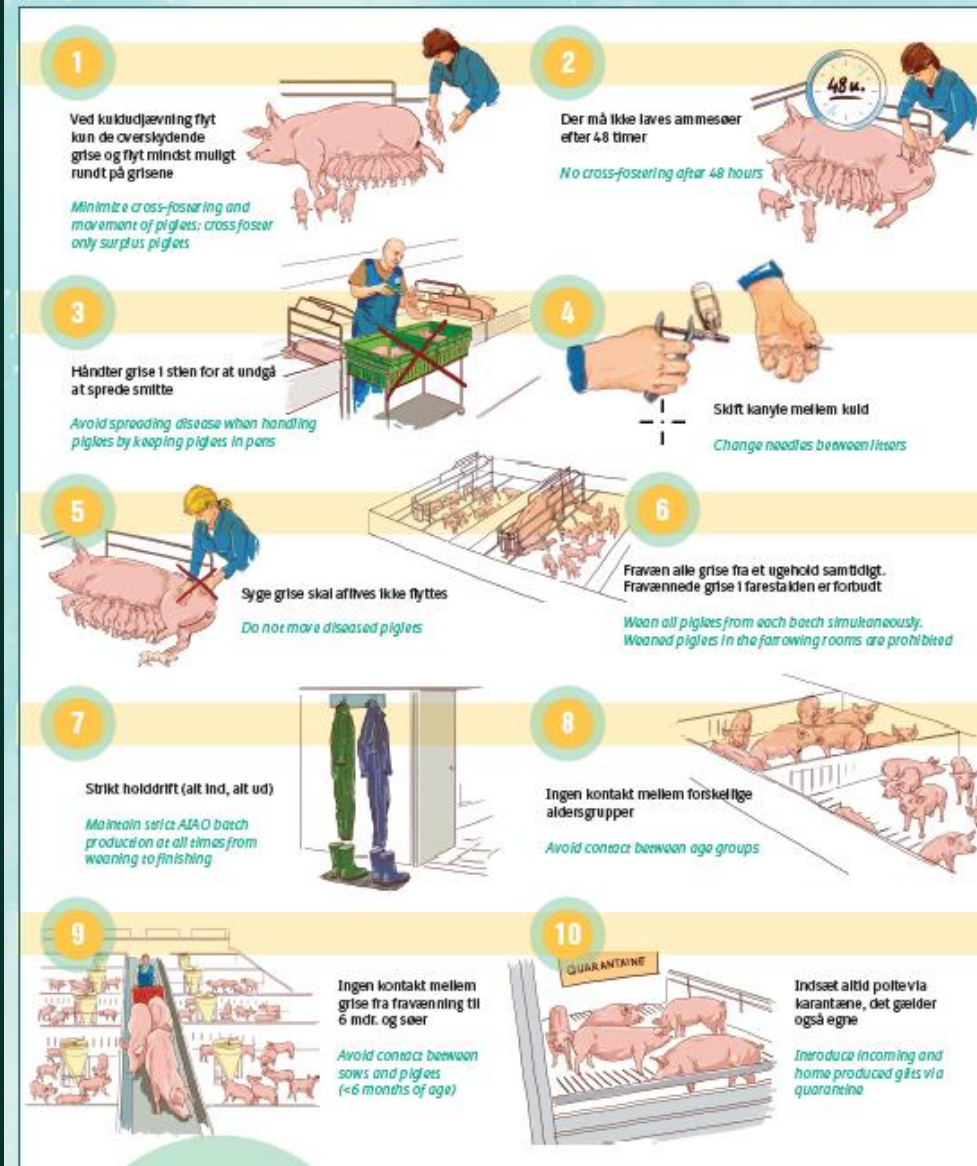
- Sows: 2 x per year
- Gilts (polte)
- Choose the right vaccine!

Management and biosecurity

PRRS: Very very important!

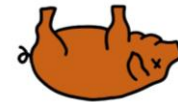
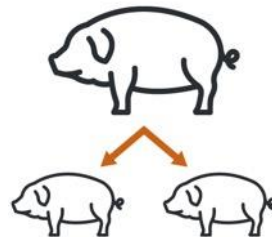
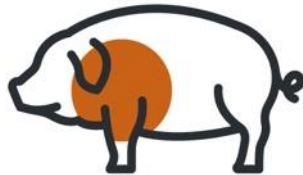
PCV2: Very important!

Parvo virus: Important!



Parvovirus: Vaccination and management

- Environmental contaminant
- Stable to dry heat
- Resistant to many disinfectants
- Vaccines protect against disease but does not prevent infection and shedding



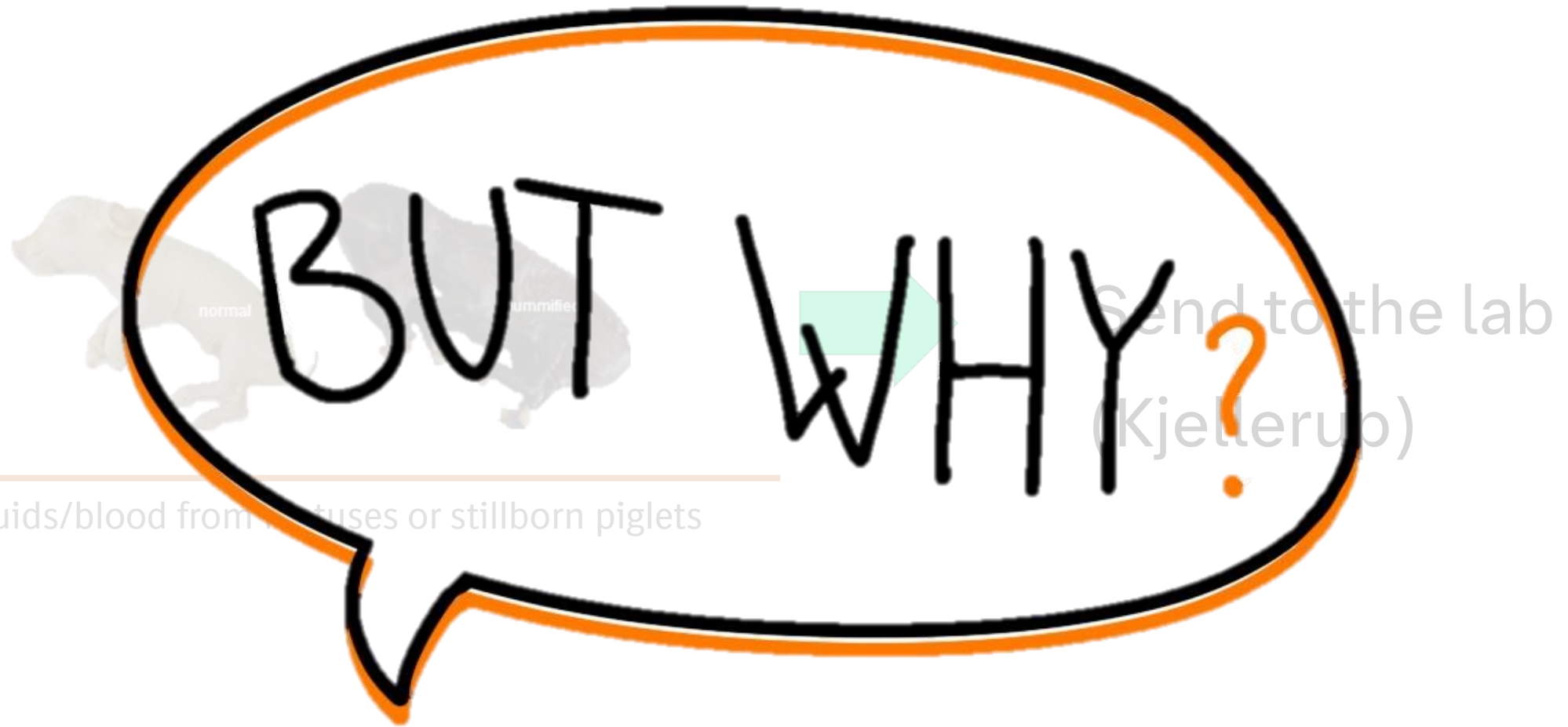
How to test for PPV:



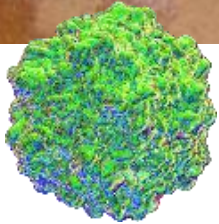
Send to the lab
(Kjellerup)

Fluids/blood from fetuses or dead born piglets

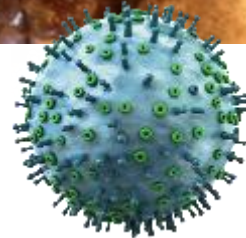
How to test for PPV:



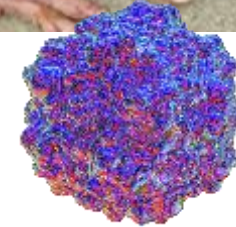
Mummified pigs – 3 diseases



PCV2

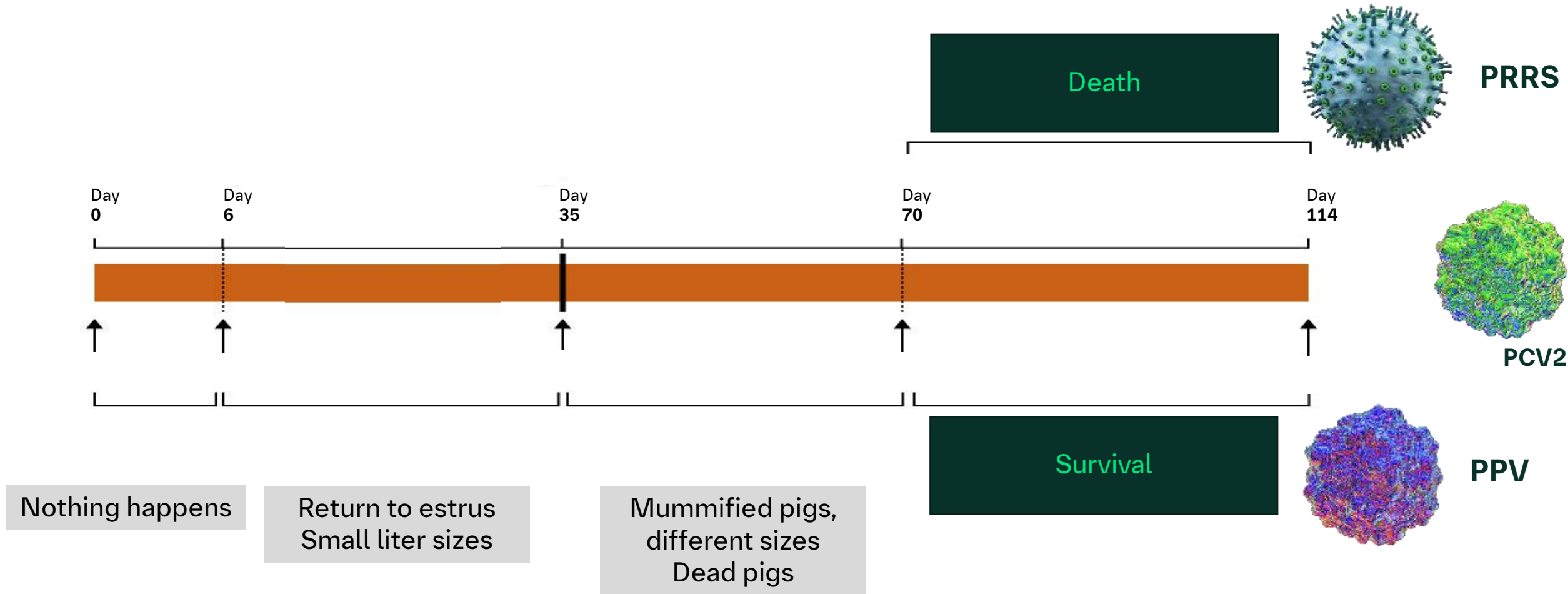


PRRS



PPV

Time of infection during pregnancy



Results from survey

REPRODUKTION - din erfaring // REPRODUCTION - your experience

DANISH:

Vi vil gerne blive klogere på, hvordan det ser ud med reproduktionen ude iarestalden, især mht. antal stenfostre og dødfødte.

Derfor vil det glæde os, hvis du vil bruge 2 min . på at udfylde dette skema.

Stenfostre: Sorte/brune grise ved fødsel

Dødfødte: Grise der ligner små grise men fødes døde

ENGLISH:

We would like to get more knowledge about the reproduction in the farrowing unit. We are especially interested in the numbers of stillborn and mummified fetuses.

Therefore, we would appreciate if you would use 2 minutes to answer this form.

Mummified fetuses: Pigs that are black/brown at birth.

Stillborn: Pigs that are born and looks like small newborn pigs but born dead

1

Ser du stenfostre og dødfødte i besætningen?

Do you see mummified fetuses and stillborn on the farm?



"Normal" number of mummies?

No one knows...?

SEGES: "We count the living!"



1

Ser du stenfostre og dødfødte i besætningen?

Do you see mummified fetuses and stillborn on the farm?

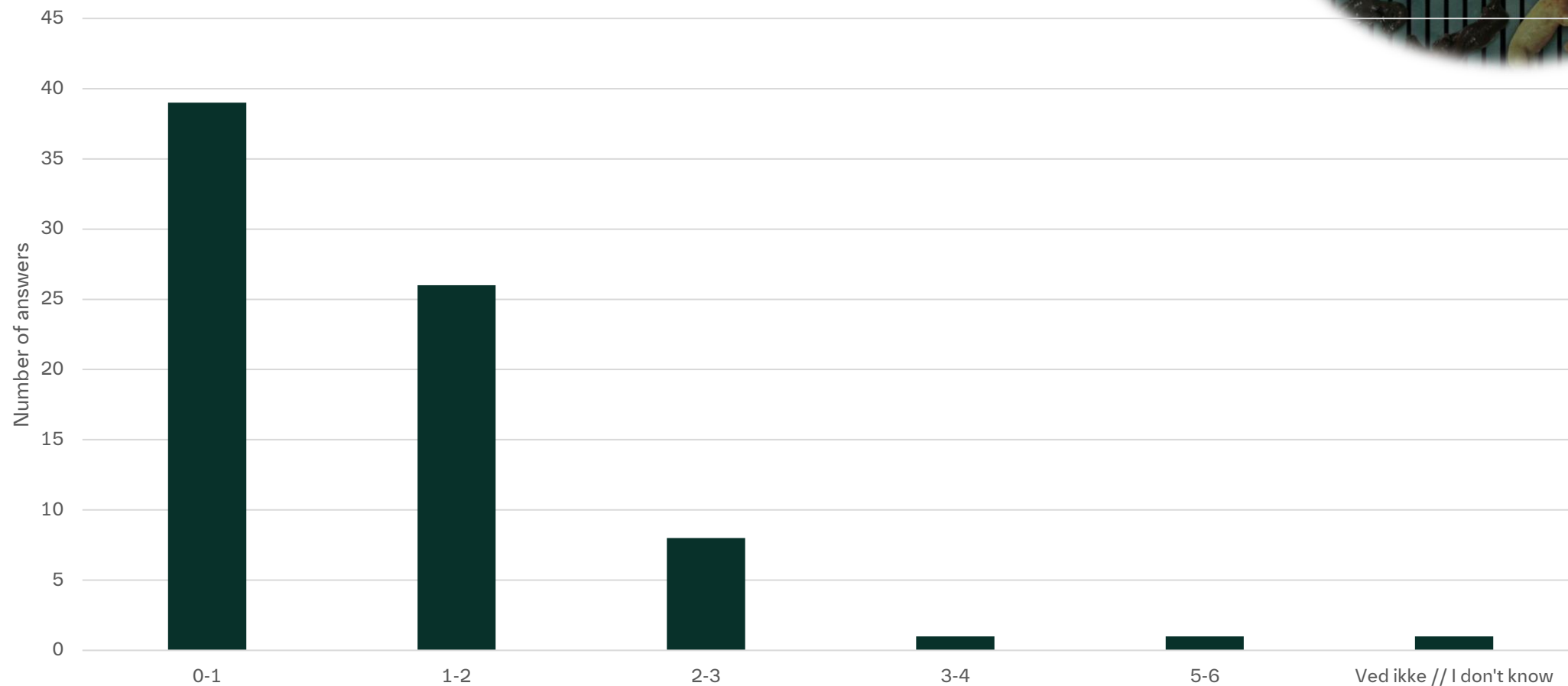


Yes : 87 %

No : 13 %

2

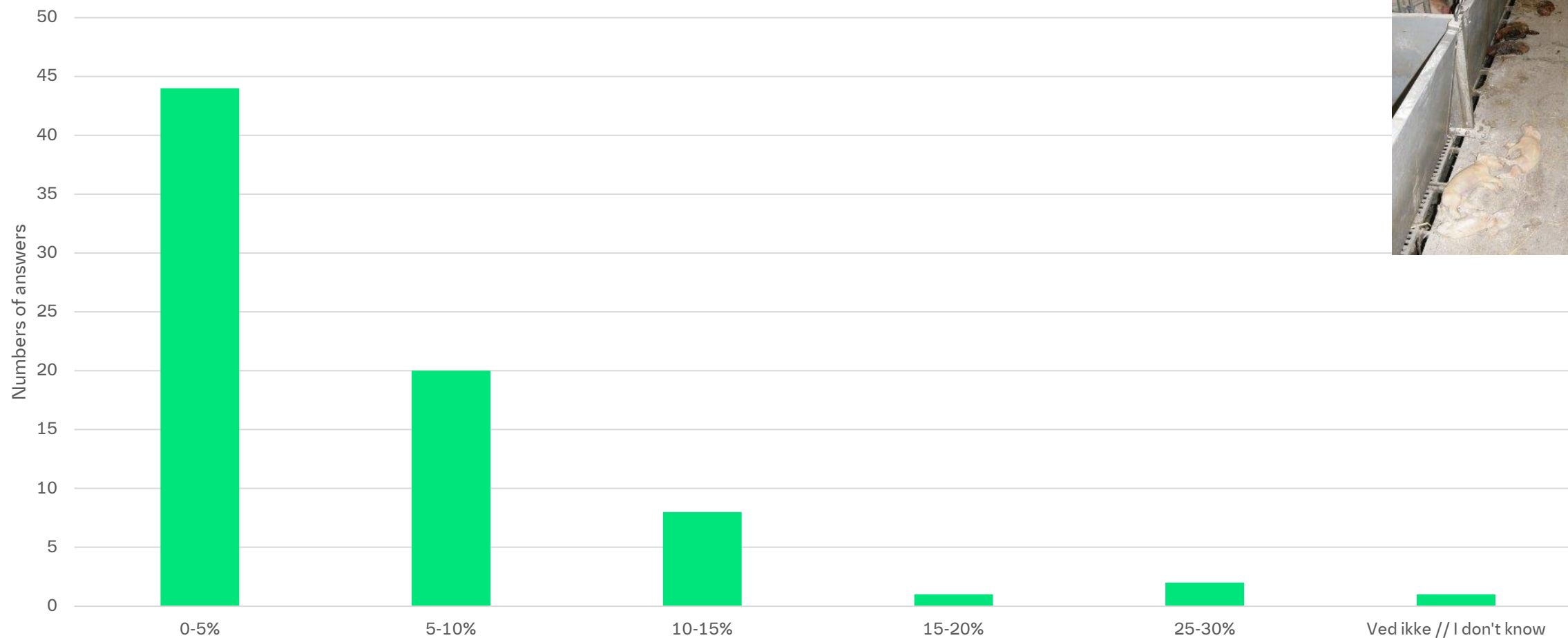
Gennemsnitligt antal stenfostre pr. so //
Average number of mummified fetuses per sow *



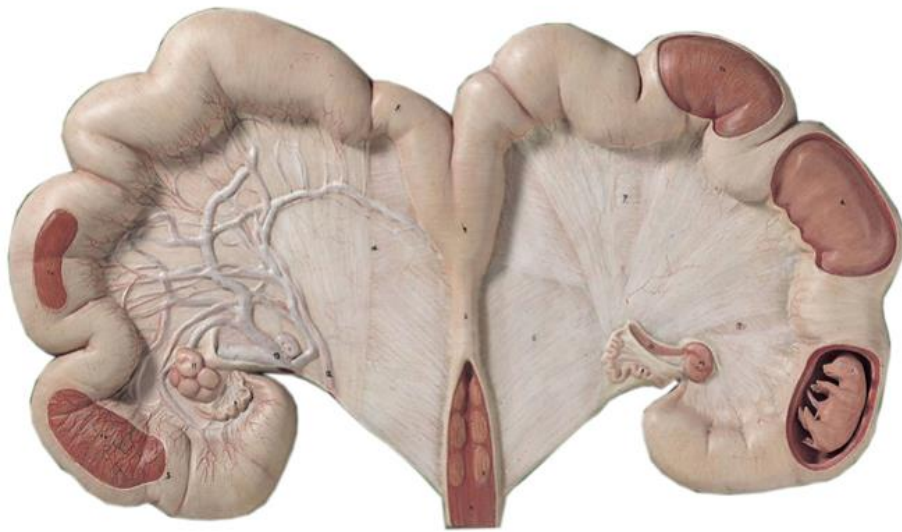
4

Hvor mange søer i et farehold føder et til flere stenfostre? //

How many sows in a farrowing batch gives birth to one or more mummified fetuses? *



If more than 1 mummified pig per 3 sows = think disease!



6

Registrerer I, hvor mange dødfødte der er pr. so? // Do you register the number of stillborn pr. sow?

*

Yes : 93 %

No : 4 %

Don't know : 3%



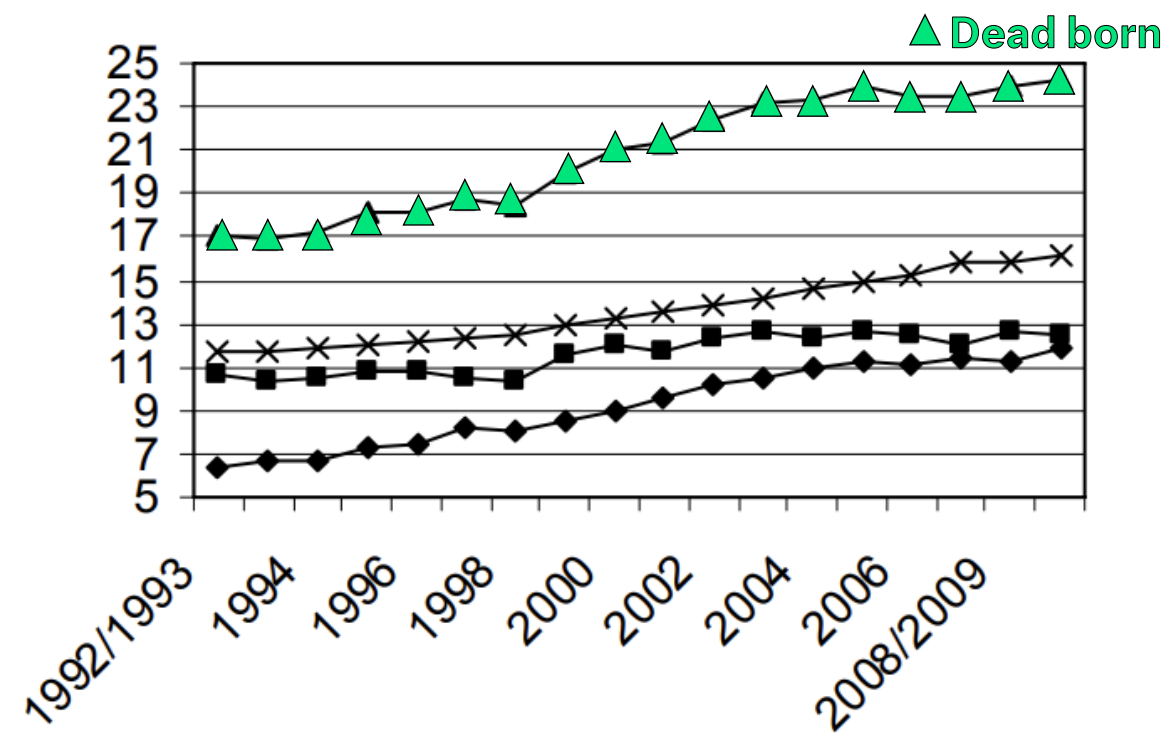
6

Registrerer I, hvor mange dødfødte der er pr. so? // Do you register the number of stillborn pr. sow?

*

Yes : 93 %

No : 4 %



7

Registrerer I, hvor mange stenfostre der er pr. so? // Do you register the number of mummified fetus per sow? *

Yes : 51 %

No : 47 %

Don't know : 2%

CLOUDFARMS



8

Registerer I stenfostre og dødfødte hver for sig? // Do you register mummified and stillborn separately? *

Yes : 64 %

No : 32 %

Don't know : 4%

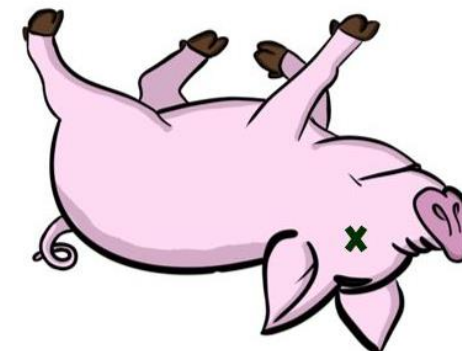
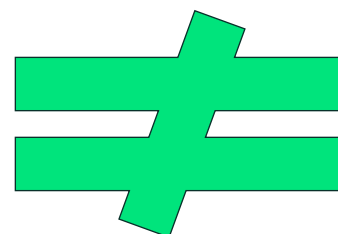


8

Registerer I stenfostre og dødfødte hver for sig? // Do you register mummified and stillborn separately? *

Yes : 64 %

No : 32 %



Mummified fetuses – why should we care?

Because you can do something!



TO DO:

- Count your deads
- Count your mummies
- Do diagnostics
- Good management
- Correct vaccination

You cannot solve a problem
you don't know you have!

Start counting...