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Pig Disease Prevention

Maximising Pig Performance

- Presented by Bob Stevenson BVMS CertPM MRCVS
Pig Vet



Disease Prevention



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Infections not present in your pigs

- New
- Exotic, may be notifiable
- Often major effects on pigs and performance
- Epidemic-type disease
- BIOSECURITY (keep infections out)

Infections already existing

- What is your unit profile?
- Refer to your pig health plan
- BIOCONTAINMENT (control infections on the unit)

Maximising performance



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- Disease cost calculators
 - Enzootic pneumonia
 - Abortion
 - Rhinitis
 - Poor fertility
 - Other diseases, worms and mange

Performance indicators for indoor and outdoor breeding herds
12 months ending March 2018

	Indoor		Outdoor	
Pigs weaned/sow/year	27.4	↑	23.9	↓
Litters/sow/year	2.30	–	2.27	↓
Pigs born alive/litter	13.5	↑	12.1	↑
Pre-weaning mortality %	11.7	↓	13.2	↑
Pigs weaned/litter	11.9	↑	10.5	↑
Sow feed/sow/year (kg)	1254	↓	1489	↑
Sow feed/pig weaned (kg)	45.8	↓	62.4	↑

Source: Agrosoft, Arrows indicate change compared to overall 2017 average

EXOTIC Notifiable African Swine Fever



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- Much feared by pig industry as the major threat
- Imported human food
- Kitchen scraps
- Legally and illegally imported meat
- Public right of way
- Nearby wild boar





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Notifiable diseases in pigs

Foot and Mouth Disease (FMD)	2007
Classical Swine Fever (CSF)	2000
African Swine Fever (ASF)	Never
Swine Vesicular Disease (SVD)	1982
Aujeszky's Disease (AD or Pseudorabies)	1989
Porcine Epidemic Diarrhoea (PED)	Early 1990's
Vesicular Stomatitis	Never
Teschen Disease	Never
Bovine TB	Current
Anthrax	2006



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Forest of Dean



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Wild Boar are in thousands and pose an anxiety for pig farmers

What's so concerning?

Roadside food bins

People actually feeding the Boar

Breaching pig units biosecurity



ENDEMIC INFECTIONS



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ENDEMIC INFECTIONS very... Examples of UK damaging infections introduced:

- Swine dysentery
- PRRS (blue ear disease)
- Porcine circovirus Type2 (wasting disease)



ENDEMIC INFECTIONS

Infections always on pig farms
and must be prevented :

Erysipelas

Mange

Worms

Endemic/enzootic Pneumonia

Parvovirus



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Biosecurity



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Pigs moved on from known source ?

Line of separation:

1. Vehicles
2. Isolate
3. Integrate

Two essential biosecurity actions



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1. Isolation/quarantine (pigs with different infections)

- Where
- Why?
- For how long?
- Stockperson observations



2. Integration (mixing infection)

- Sampling for new disease(s)
- Vaccinations
- For how long?





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Biocontainment



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- From young pigs to older pigs
- Pig compartments
- Hygiene
- Vaccinations (not preventive antibiotics)

Hazard	Risk	Grade
Pigs	High	First
Trailer	+ - High	Second
Vehicles	High (fallen stock/vet/pig farmer)	Third
Rights of way	+ - Low	Fourth
Other animals (species?)	+ - Moderate	
Nearest pigs	Depends on distance and direction	



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Biosecurity and outdoor pigs

Trailer drop off
Feed delivery
Footpaths?
Nearest pigs?
Feral pigs/wild boar near?

Finish

Thank you / Diolch yn fawr



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Any questions arising from this webinar can be directed via Farming Connect Pig Technical Officer @

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