



Circovirus: Before and after the outbreak

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[Pike Pig Systems]

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[History]

- 1400 sow – stocked in 1995 w/PIC
- PRRS (+)
 - On-sight GDU
 - Isowean
- Health
 - PRRS – 2 blips 1995-2005
 - SIV – 2-3 blips 1995-2005

[Pig Flow]

- Farrowing: 3 x 60 farrowing crates
 - Load
 - Wean
- Target
 - 600 pigs/week
 - Stocks
 - 8 x 600 hd nursery rooms
 - 9 x 1200 hd finisher barns
 - Nursery – finisher: 600 yd apart
- Continuous flow - nursery and finishers

[Pig health]

- No serious health issues early on
- Slow progression
 - PRRS, Myco, Ery., Ileitis, Circo, other...
 - No vaccines used early on
- 1998 – Myco vx, feed med for ileitis
- 2001 – PRRS vx - pigs

[Outbreak]

- Vaccine failures – myco., PRRS
- No antibiotic response
- Clinical signs, slow, progressive:
 - Respiratory
 - Enteric
 - Culls
 - Death loss

[Diagnostics]

- PRRS, Myco, HPS, Strep, A suis, PCV2?, Ileitis?
- Aggressive antibiotic tx
- “Disease that’s not treatable!”

[Method]

- Aggressive sort-off
- Euthanasia
- “Good ones were good but the bad ones were bad!”

[Performance]

- Nursery performance not affected
- Increased wean-age
- Finisher performance
 - Crashed!
 - Increased death loss 3-4 weeks
 - Scours, wasting, PDNS

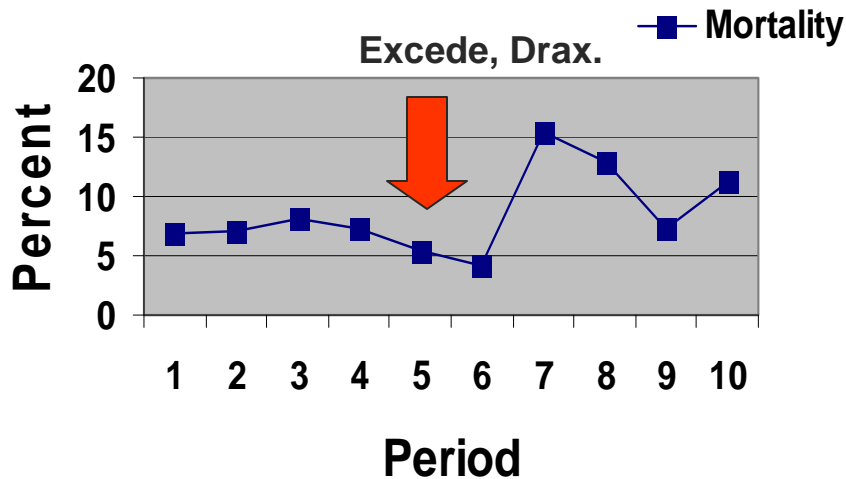
[Common signs]



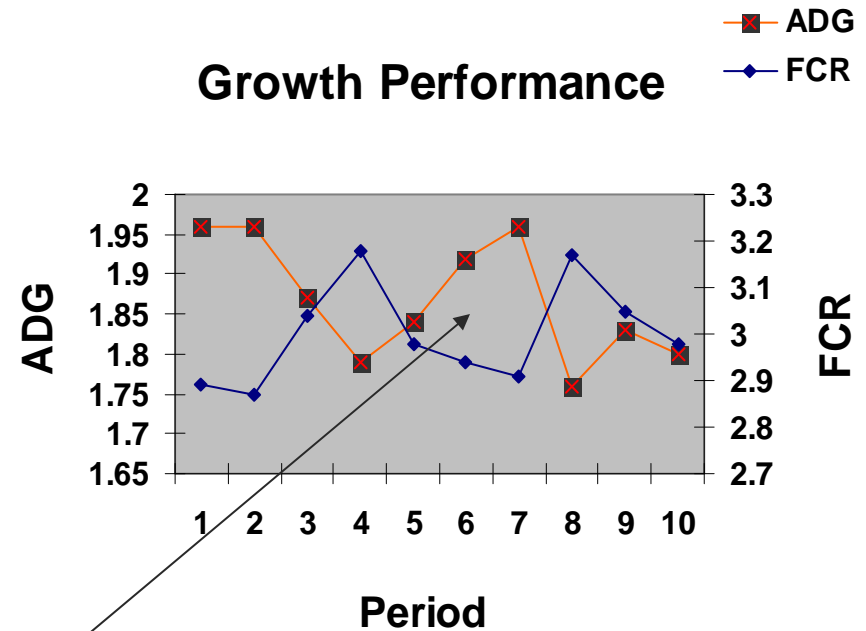
Before Vaccination:

10-7-05 to 2-23-06

Mortality



Growth Performance



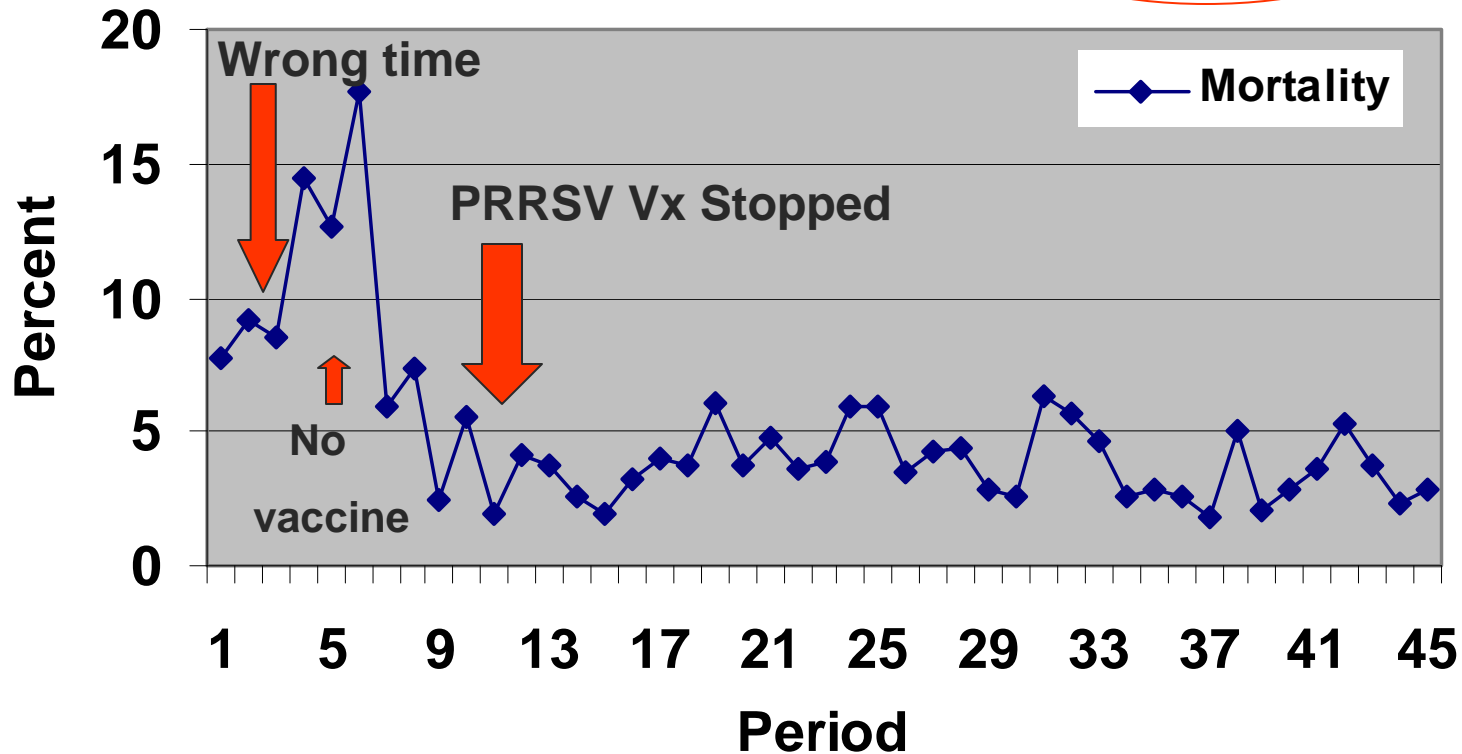
The goods ones did well!

After vaccination:

3-10-06 to 4-30-08

Mortality

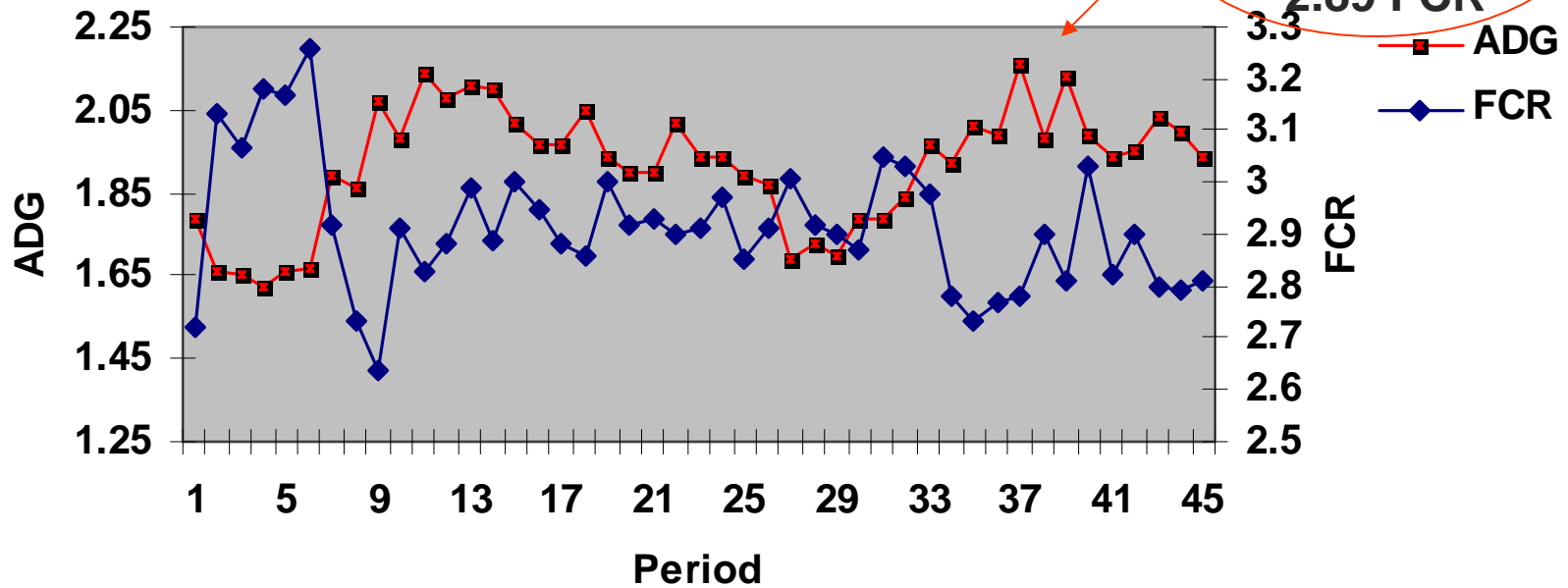
2007 – 3.8%



After vaccination:

3-10-06 to 4-30-07

Growth Performance



Costs

With Medication*

Hd in	1174
Hd out	954
Death loss	17.1%
Lights/cull	2.1%
Cost/hd	\$132.06

With Vaccination*

Hd in	1149
Hd out	1095
Death loss	2.0%
Lights/cull	2.7%
Cost/hd	\$117.51

*Excede & Draxxin

[Recent changes]

- Contract finishing – healthier pigs
- Co-mingled sow farm
- 1300 pigs per week – 3 days

[Summary]

- Circovirus had devastating effects on mortality and growth
- Circumvent PCV dramatically improved performance
- Vaccinate at the right time
- Highly cost effective

[Thanks

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