



Key Tools for High-Performance Feed Program Execution

North American Wean-to-Finish Team

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PIC®

“Pigs will eat to their nutritional needs... If you allow them”

What does “space” mean to you?

Water Availability

- 10 – 12 pigs per drinker
- Flow rate
 - Nursery = 500 ml/min
 - Finishing = 1000 ml/min
- Quality / consistent water
- Proper drinker height

Floor Space

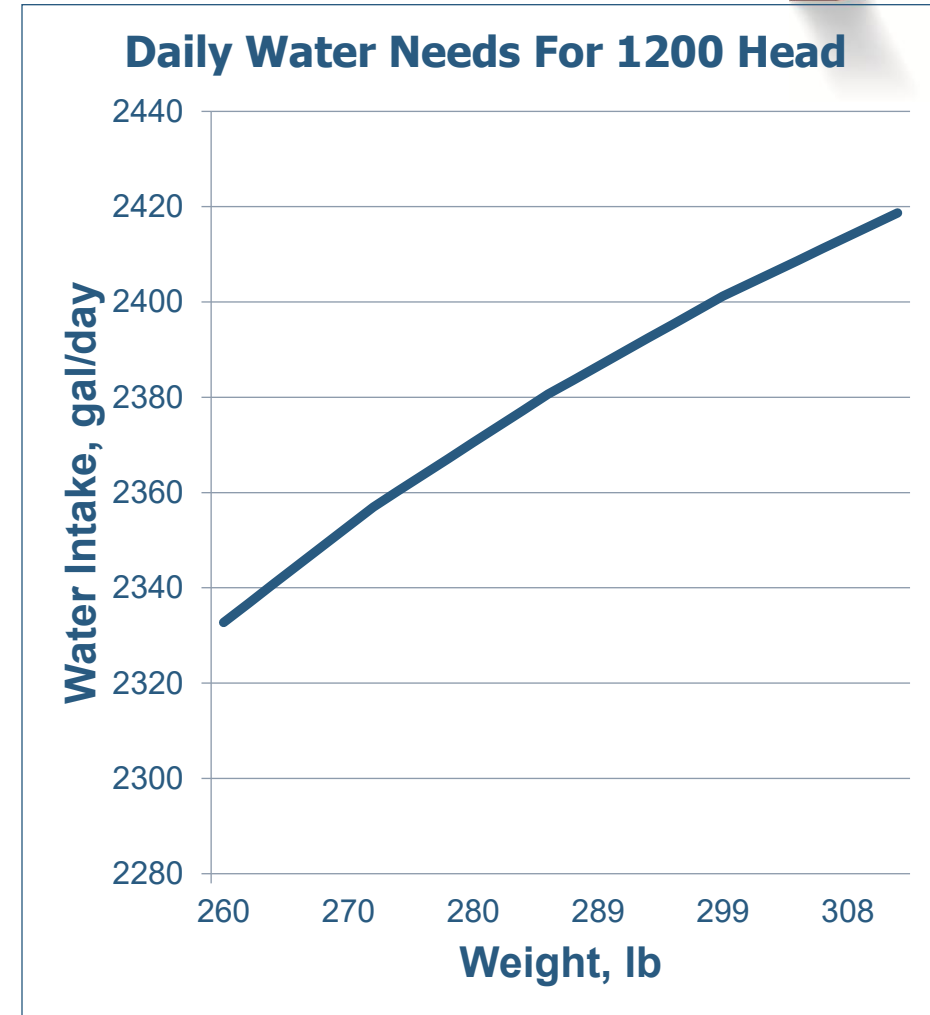
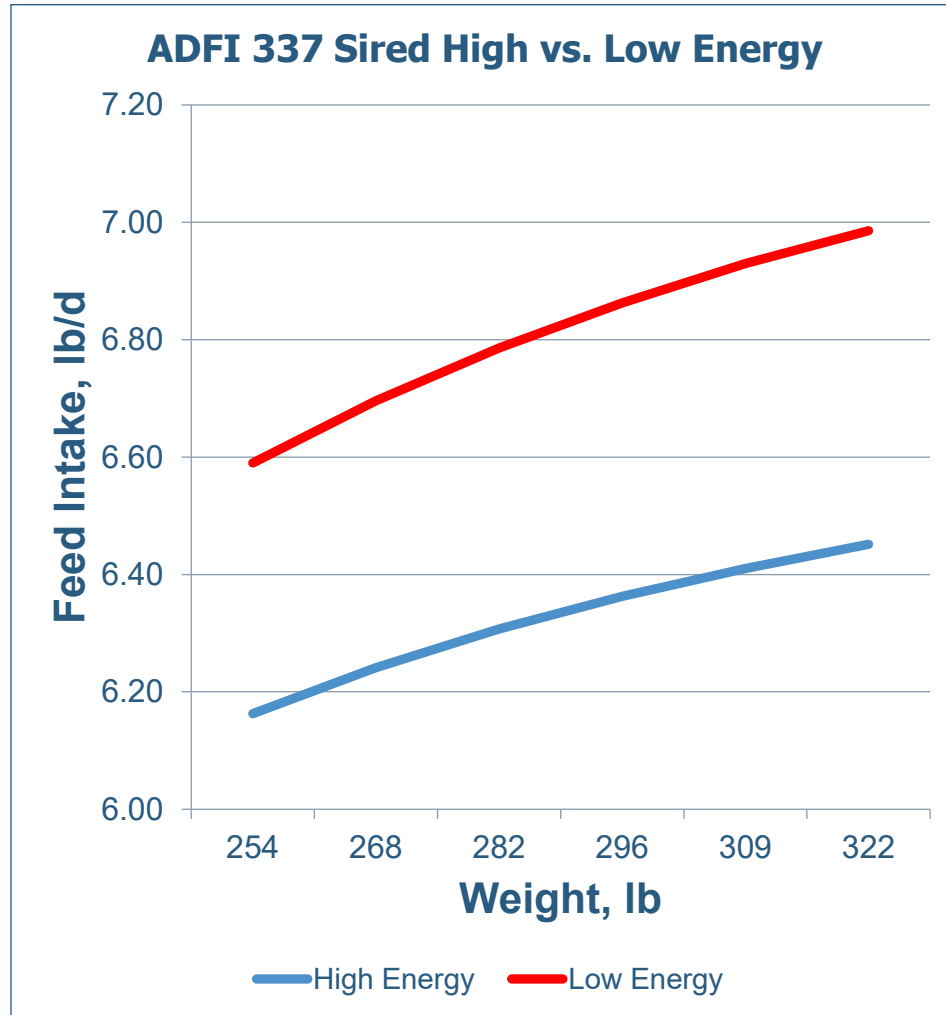
- Nursery = 2.8ft² – 3.2ft²
- Finishing = 7.3ft²
- Small pen vs. large pen
- Marketing strategy

Feeder Space

- Nursery = 1” per pig
- WF / Finishing
 - Dry = 2” per pig
 - 8 pigs/feeder hole
 - Wet/Dry = 1.25” – 1.5” per pig
 - 10 – 12 pigs/feeder hole
 - Feeder hole = 15” – 16”
- Capacity = 1 day of feed intake
- Pan coverage = ~50%

Water

Never
Stop
Improving
Your Success.

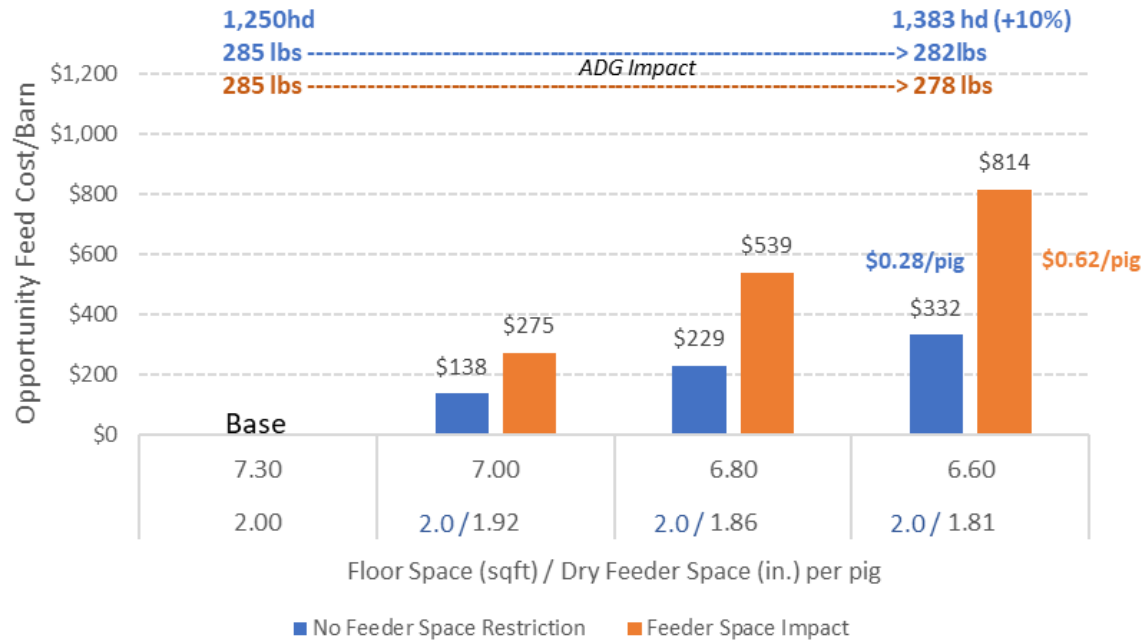


Floor Space



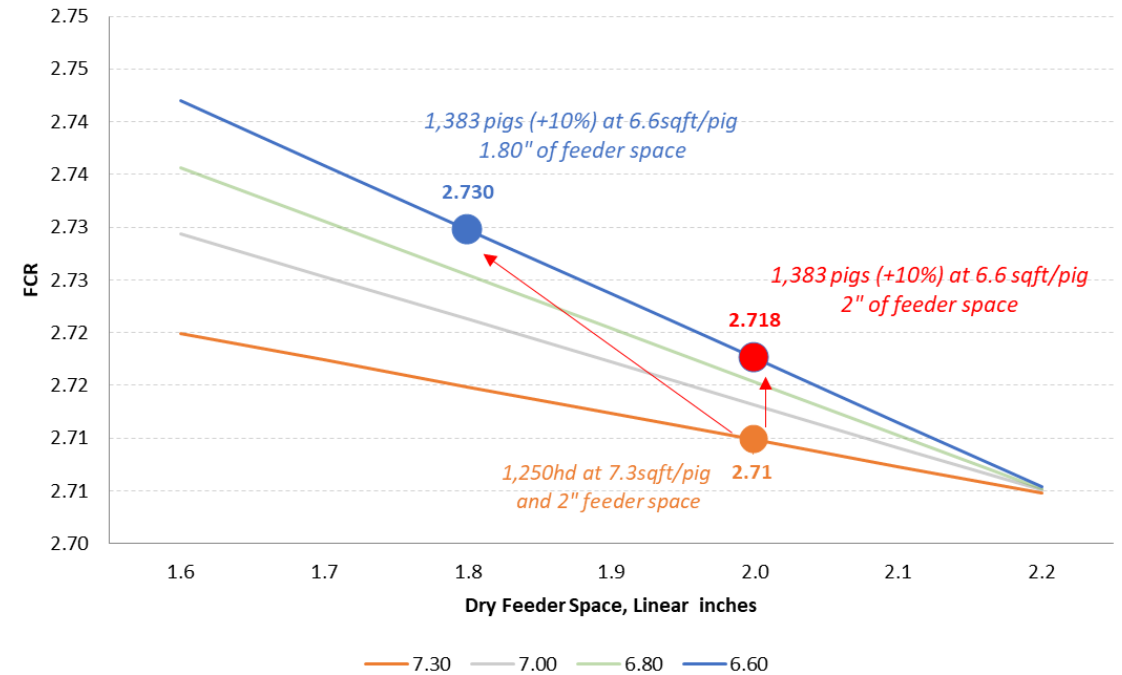
Impact of Stocking Density Impact in Feed Efficiencies

1,250hd/barn, \$0.16/lb of feed based on PIC model, 2015

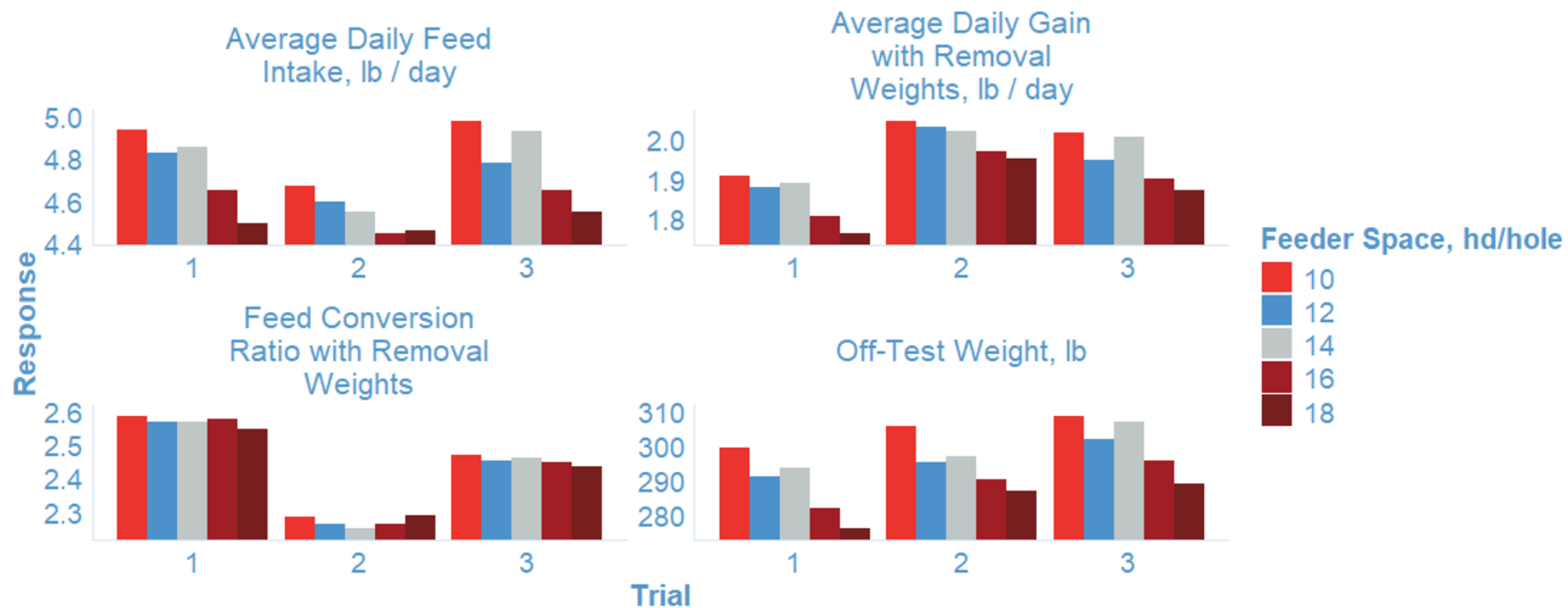


FCR Simulation, PIC Model 2013

Stocking Density & Feeder Space Impact, 1,240hd/barn, 2" linear feeder space and 7.3 sqft/pig

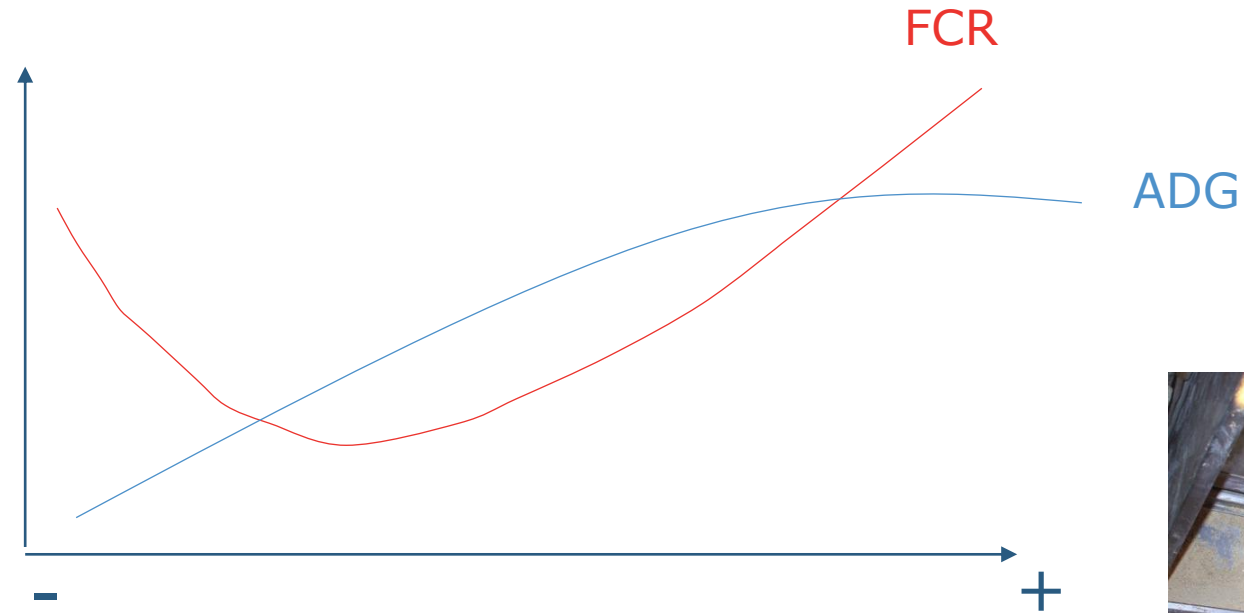


Wet/Dry Feeder Space – Across 3 Trials



Feeder Space

As Needed: "Every Day, Every Pen, Every Feeder"



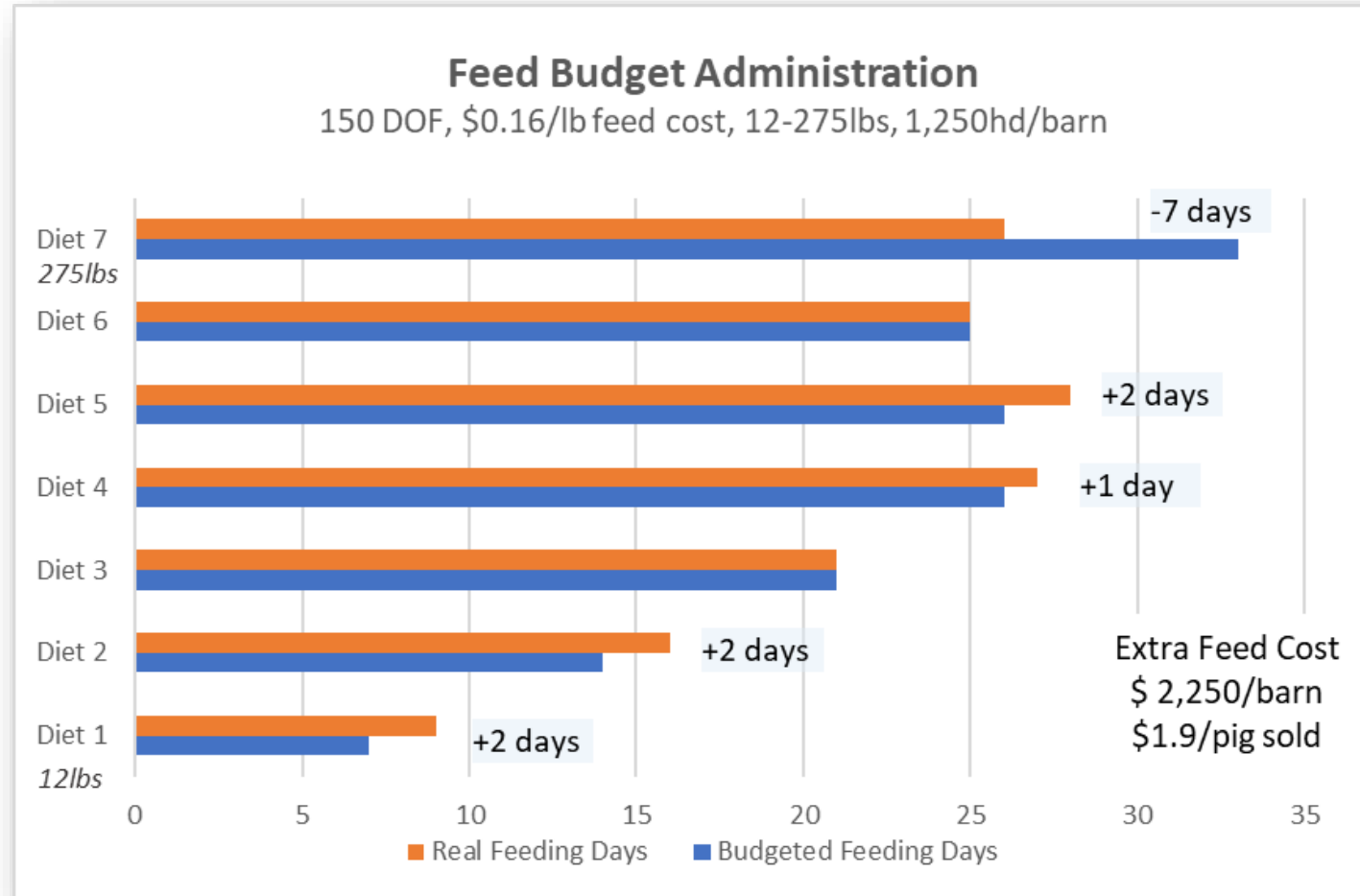
Low pan coverage can restrict feed, lowering gains and putting pigs in a higher competition environment



Higher Pan Coverage leads to great gains but worse feed conversion through wasted feed

When pigs don't grow efficiently,
is it always the Nutritionist's
fault?

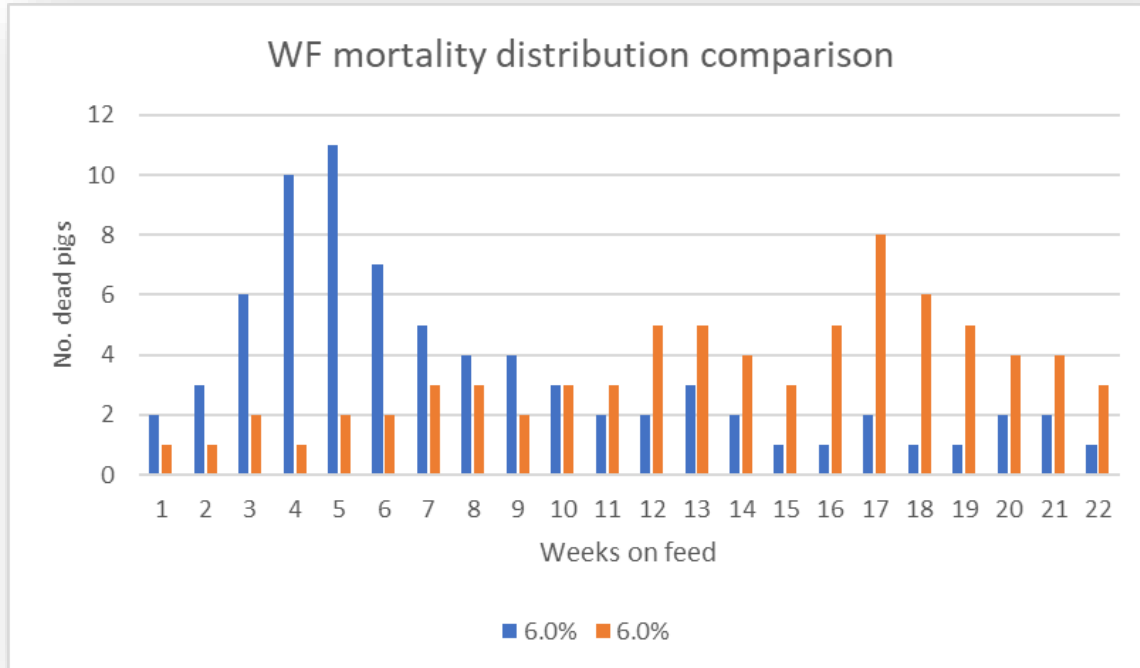
Feed Budget vs. Real Intake



In this case pigs will not grow as expected and behavior issues could be triggered

When pigs don't grow efficiently,
is it always the Veterinarians fault?

Feed Budget vs. Real Intake



Based on 1,250 head barn

	% WF Mortality	WF FCR 12-275Lbs	FCR Mort cost/pig	Opportunity cost/pig	Each 1% mort cost
Barn A	6.0%	2.33	\$0.89	\$9.03	\$174
Barn B	6.0%	2.40	\$1.91	\$10.66	\$374
Diff	0.0%	+0.07	+\$1.02	\$1.63	+\$200

Mort distribution shift cost = \$1,199/barn

Take home message



- “Space” is multifactorial and a balance between Floor, Feeder and Water. Do not be limited in more than 1 of the 3.
- Water intake drives feed intake and should be focused on early and often.
- The industry has some great nutritionists, but it is our job in barn to make sure the diet is being consumed as expected and if not... Troubleshoot.
- The industry has some great veterinarians but even a small movement in mortality or mortality distribution can make a big difference in performance.



Questions

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