

**RESEARCH SUMMARY:**

Setting pigs up for success by immune nutrition supplementation with FURST PROTECT™ feed supplement for the first 21 days post-weaning.

**BACKGROUND:**

FURST PROTECT™ (FP) was developed as an immune nutrition supplement for feed application. Trials conducted in field studies with sows have shown that nutritional supplementation with FP has been associated with lower sow mortality, improved wean to 1st service interval, reduced stillborns and more pigs weaned. Trials in research facilities and field studies have shown FP to support lower mortality, and better ADG and FCR in nursery pigs. FURST PROTECT™ was also evaluated as a 'feed mitigant' by Dee et al. (2020) and performed in the Top 3 out of 15 industry products evaluated. Previous trials have shown that FURST PROTECT™ supports gain, reduces treatments and may reduce mortality.

**TREATMENTS:**

641 (DNA x DNA 600 sired) pigs weighing 14.4 pounds were fed standard commercial nursery feed, without feed grade medications. Pigs were individually tagged at the sow farm using the LeeO RFID system and allocated to pens based on sow litter, sow parity and weight at weaning. 20 pens of 32 pigs per pen (10 pens/treatment).

Pigs went through natural exposure of PEDv at day 21.

**Treatments**

- 1) Control, standard nursery feed.
- 2) 8 pounds/ton of FURST PROTECT™ for first 21 days.

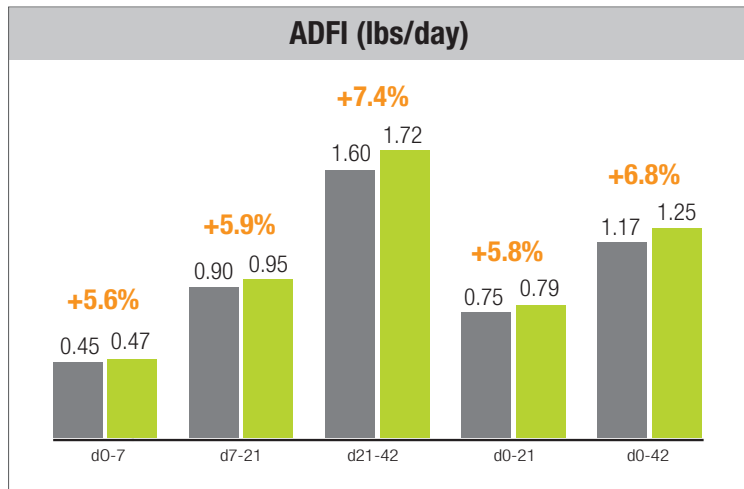
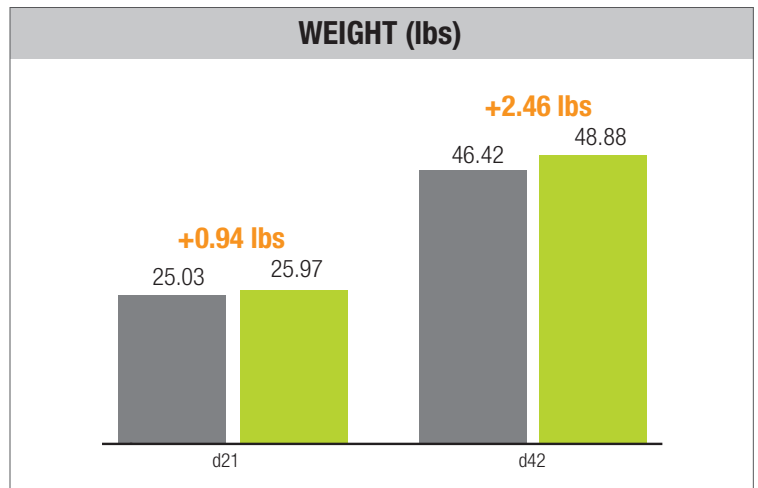
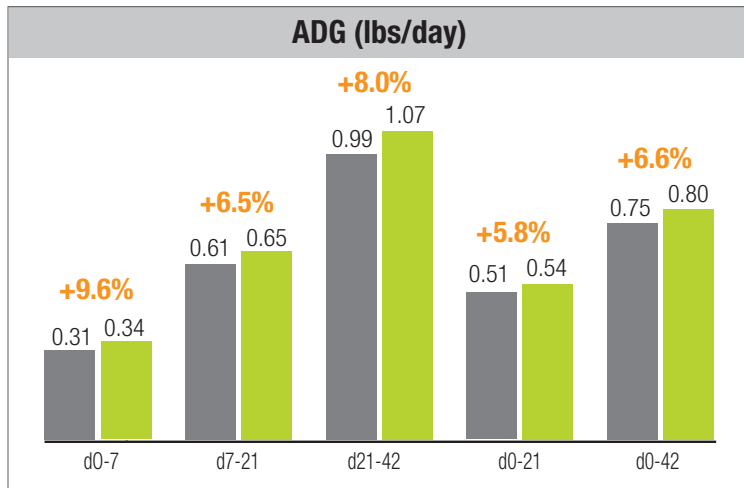
**CONCLUSION:**

Statistically significant improvement for:

- Pigs gained 2.5 pounds/pig more in the first 42 days and at day 77 post weaning those pigs were 3 pounds/pig heavier.
- Improved ADFI and ADG throughout first 21 days and post application (d21-42)

Numerical improvements:

- F:G first 21 days was improved by 2.5%
- 50% less pigs pulled from pens
- Mortality and Pulls for overall period were reduced slightly 5.3% vs 4.7%



**LEGEND FOR THE BAR CHARTS**

■ Control ■ FURST PROTECT DIRECT™

**Value of FURST PROTECT™ Supplementation**

- FURST PROTECT™ cost of application for the first 21 days is \$0.12 per pig
- Improvement in gain per pig = 2.5 pounds at \$0.70 per pound = \$1.72 more revenue per nursery pig

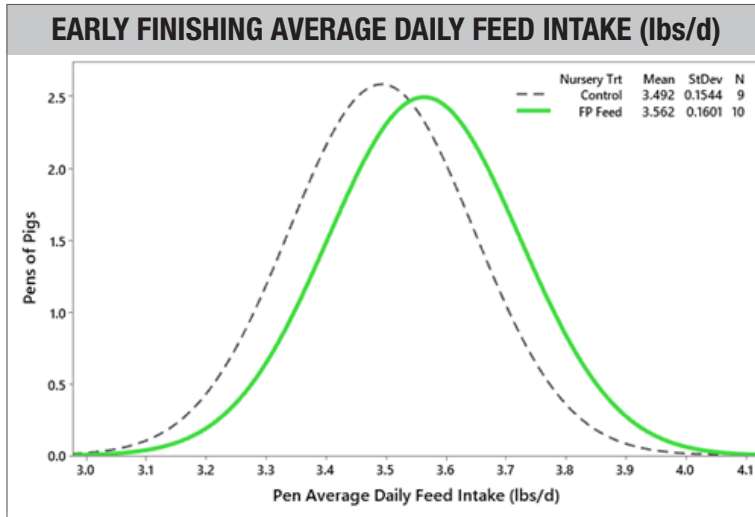
**Nursery ROF: \$1.72**

**Estimated value of FP Finishing Pigs using FP in Nursery**

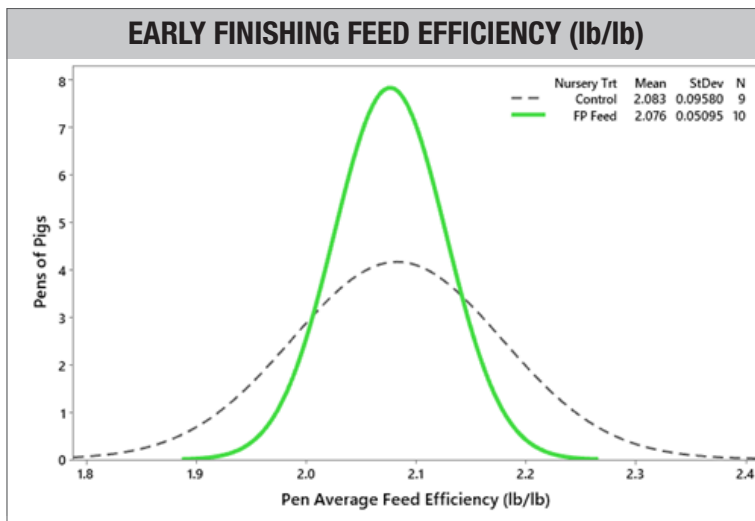
- Every pound of gain out of the nursery = (approx) \$0.70/pound of live weight
- \$0.70 \* 3 pounds of gain = \$2.10 more per pound of live weight

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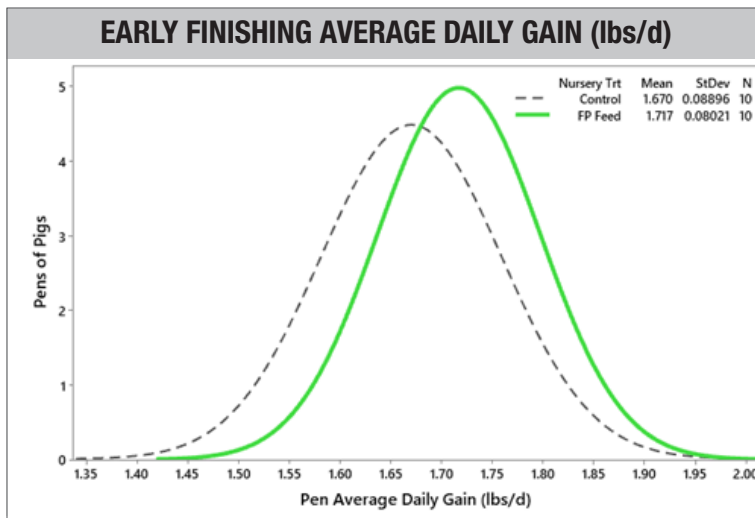
Setting pigs up for success by immune nutrition supplementation with FURST PROTECT™ immediately post-weaning.



Improved health and gut development early supports better feed intakes in finishing.



Improved gut development and protection against damage in the nursery, supports feed efficiency in finishing.



The combined effect of improved feed intake and F:G results in improved ADG, even in finishing.