

FURST PROTECT DIRECT™

RESEARCH SUMMARY:

Setting pigs up for success by immune nutrition supplementation with FURST PROTECT DIRECT™ immediately 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. The improved performance is an outcome of pigs that are healthier from nutritional supplementation with FURST PROTECT™. The research trial reported here was conducted at a large-scale research facility with 641 pigs, where FURST PROTECT DIRECT™ (enhanced water soluble form of FURST PROTECT™) was given for the first 5 days post-weaning. Performance was tracked through the nursery and continued to be tracked into finishing.

TREATMENTS:

641 DNA x DNA 600 sired pigs weighing 14.4 pounds were fed standard commercial nursery feed, without antibiotics. 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, no water treatment.
- 2) 1 x 16 ounce bottle FURST PROTECT DIRECT™ (FPD) per 5 gallons of stock solution, provided continuously for 5 days.

CONCLUSION:

- Excellent water consumption during and post application

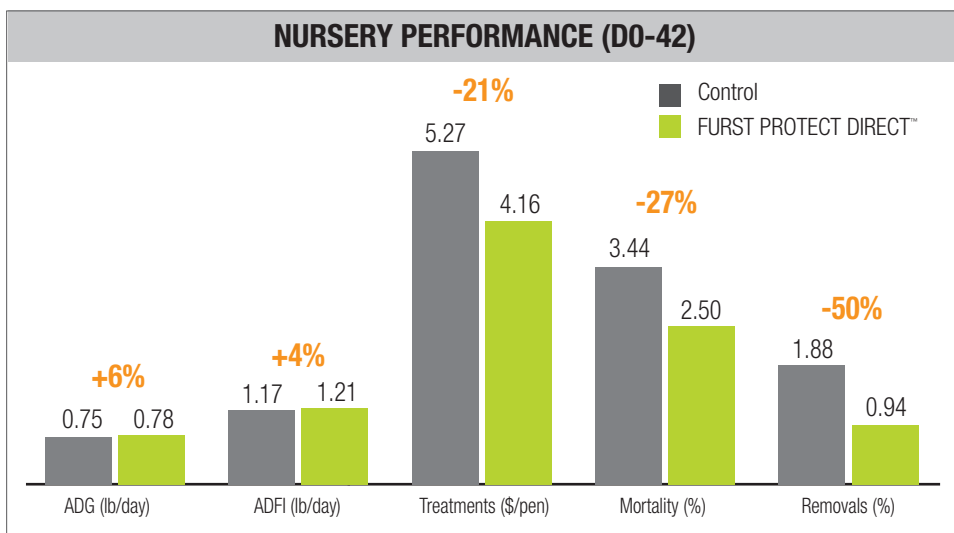
Statistically significant improvement for:

- Pigs gained 1 pound per pig more
- Improved ADG, even during late nursery

Numerical improvements:

- 50% less pigs pulled from pens
- A 27% reduction in mortality
- 21% less injectable treatments (\$/pen)

Initial data also shows that FPD immune nutrition supplementation supports the pig into finishing, with F:G improvement beginning to occur as has been shown in previous research.



Value of FURST PROTECT DIRECT™ Supplementation

- Cost \$0.34 per pig
- Savings in injectable medications \$0.04 per pig
- 0.94% reduction (in % percentage points) mortality \$1.25 per pig
- 1 pound per pig extra weight \$0.70 per pig
- Reduced labor from less pulls and treats \$0.25 per pig

ROI 6:1



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Furst-McNess Company
120 E. Clark Street
Freeport, IL 61032
Corporate Headquarters

Furst-McNess Company
5435 NW 100th Street
Johnston, IA 50131
swine@mcness.com
815.801.2744



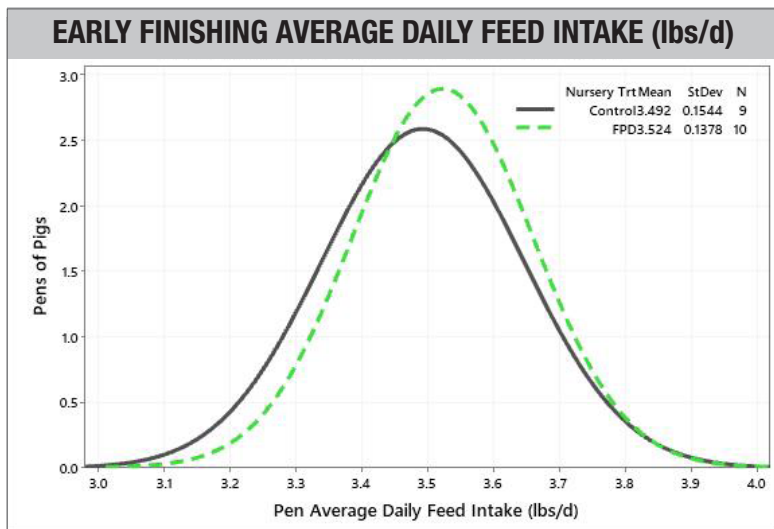
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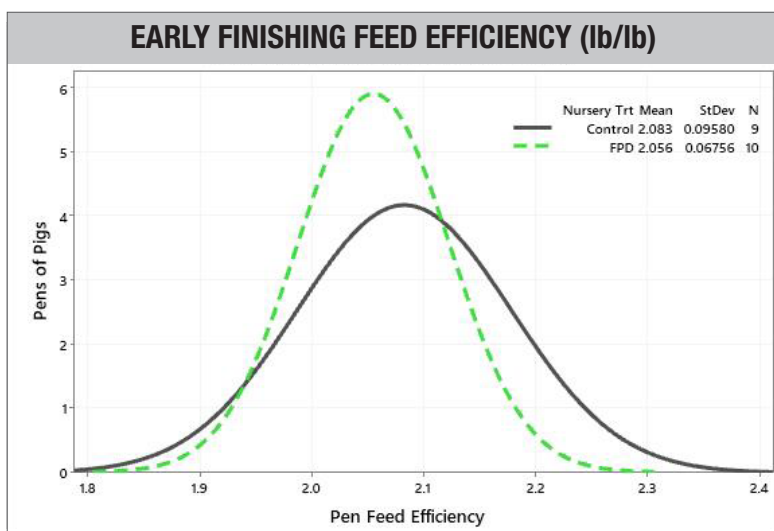
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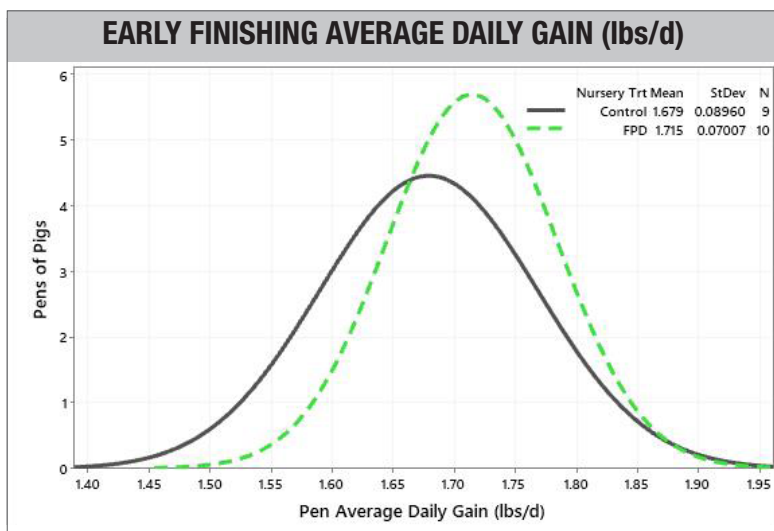
Setting pigs up for success by immune nutrition supplementation with FURST PROTECT DIRECT™ immediately post-weaning.



Improved health and gut development early, may support 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.