

ESTABLISH™ FlockLEader™

Maximize the efficiency of your poultry operation by optimizing the nutrition, management, and overall health with **ESTABLISH FlockLEader™ by Perdue AgriBusiness®**

**Enhance.
Eliminate.**
ESTABLISH™

Optimal intestinal function is essential to maximize your flock's performance. Pathogen colonization can lead to a reduction in gut barrier function, immune activation and a decrease in nutrient utilization. Enhancing a bird's intestinal tract and reducing the chance of pathogen colonization leads to improved food safety, optimum health, and efficient animal production.

The gut microbiota plays an important role in gut function by modulating the immune system, metabolizing nutrients and competitively excluding pathogens. Bacterial population making up the microbiome can vary greatly between young birds due to different sources of microorganisms colonizing the gut. Furthermore, imbalances in the microbiome can prevent efficient production. Establishing a healthy microbiota by seeding the intestinal tract with probiotics, is important in maximizing the bird's ability to resist pathogen colonization.

ESTABLISH FlockLEader contains two bacteria that have been selected for their specific roles within the intestinal tract: their ability to colonize the intestinal tract and reduce pathogenic bacteria. The strengths of each species contribute to the overall effectiveness of the probiotic on flock health.

Average 7-Day Body Weight Gain

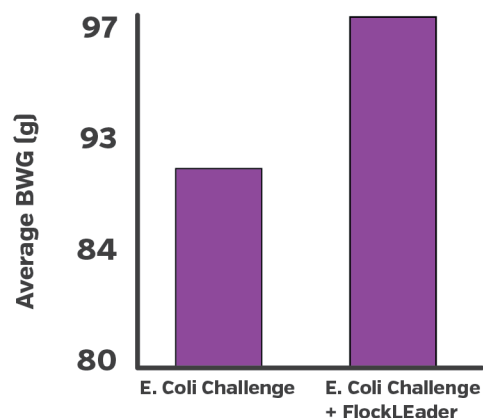



Figure 1: Results from the University of Arkansas, demonstrating the effect of FlockLEader on 7-day body weight gain during an E. Coli Challenge.

Bacteria	Role
<i>Enterococcus faecium</i>	Produces antimicrobial compounds, reduces intestinal pH and can enhance nutrient transport
<i>Lactobacillus casei KE01</i>	Inhibits pathogens, reduces fecal ammonia and sulfide concentrations, and has an immunomodulatory effect
<i>Lactobacillus casei KE01 supernatant</i>	Contains prebiotic and metabolites with antimicrobial properties



AgriBusiness®
ANIMAL NUTRITION

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