



Study Objective



Evaluate live performance, carcass and parts yields, skin characteristics and meat quality of broilers fed ZnSO₄ or Zinpro Availa Zn.

Animals



1440 one-day-old Ross 708 broilers

Treatments

A corn-soybean meal basal diet was supplemented with:

- **Control:** 80 ppm Zn from Zn Sulfate (ZnSO₄)
- **AvZn Iso:** 40 ppm ZnSO₄ + 40 ppm Zinpro Availa Zn
- **AvZn On Top:** 80 ppm ZnSO₄ + 40 ppm Zinpro Availa Zn

Study Duration



49 days

Location



Auburn University, Alabama, USA

Results Summary

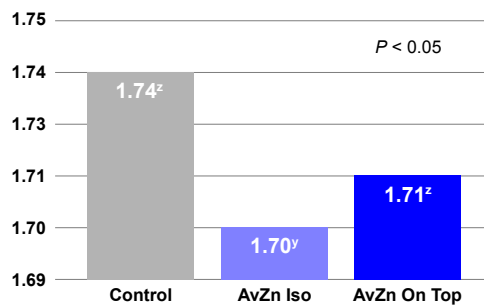
Feeding Zinpro Availa Zn had the following effects:

- Improved BW and FCR
- Decreased skin lesions, scabs, and scratches scores
- Reduced incidence of footpad dermatitis
- Increased deboned fillet and total breast yields in the On Top Zinpro Availa Zn treatment compared to Control
- Based on whole bird retail sales, the calculated ROI is more than 8:1 for a complex processing 1 million birds/week*

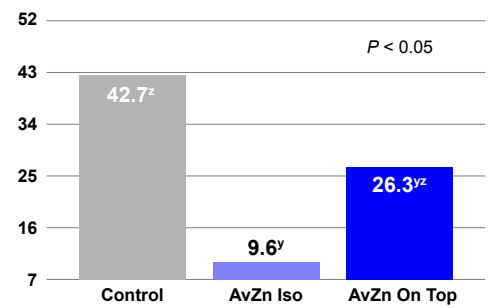


*USDA National Retail Report Chicken, March 13th, 2020

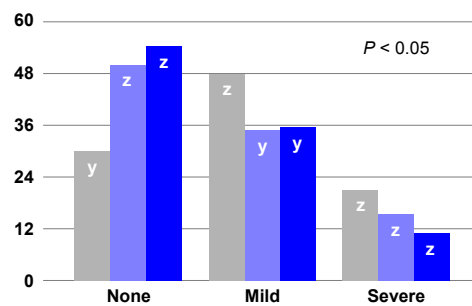
Feed Conversion Ratio



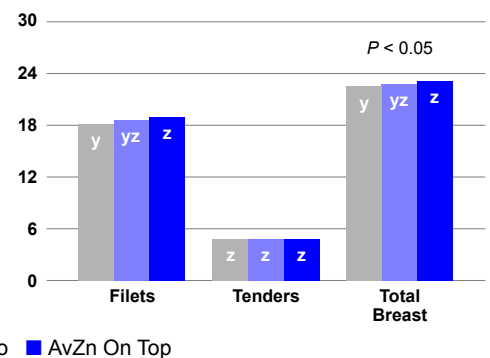
Skin Lesions, %



Footpad Dermatitis, %



Breast Fillets and Total Breast Yield, %



Publication

Saenmahayak, B., S.F. Bilgili, J.B. Hess, and M. Singh. 2010. Live and processing performance of broiler chickens fed diets supplemented with complexed zinc. J. Appl. Poult. Res. 19(4): 334-340.

