



Availa® Zn Improves Broiler Performance, Carcass Yield, and Skin Characteristics



Study Objective

Evaluate live performance, carcass and parts yields, skin characteristics, and meat quality of broilers fed ZnSO₄ or 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 Availa Zn
- **AvZn On Top:** 40 ppm ZnSO₄ + 80 ppm Availa Zn



Study Duration

49 days



Location

Auburn University, AL, USA



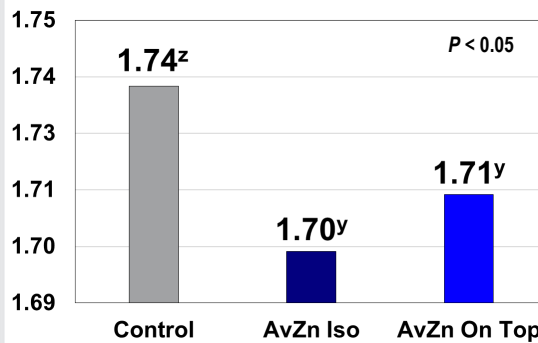
Results Summary

Feeding Availa Zn had the following effects:

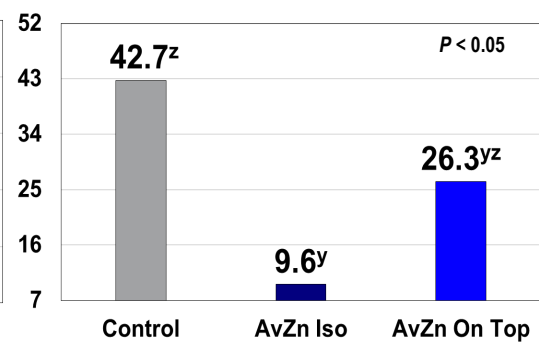
- Improved BW and FCR
- Decreased skin lesions, scabs, and scratches scores
- Reduced incidence of footpad dermatitis
- Increased deboned fillet and total breast yields in the On Top Availa Zn treatment compared to Control
- Based on whole bird retail sales, the calculated ROI is more than 8:1 for a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

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

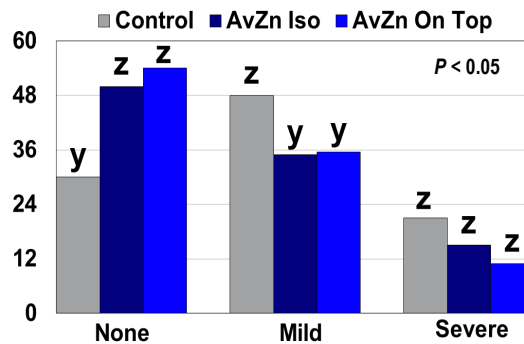
Feed Conversion Ratio



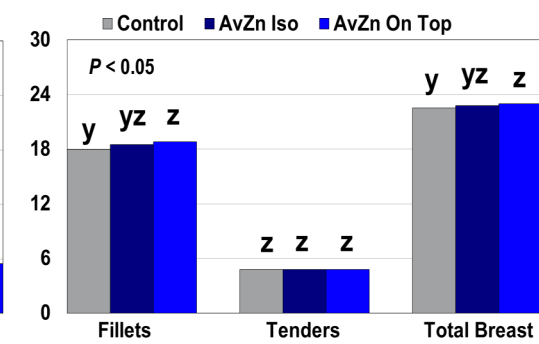
Skin Lesions, %



Footpad Dermatitis, %



Breast Fillets and Total Breast Yield, %



PUBLICATION

Xiao, J.F., S.G. Wu, H.J. Zhang, H.Y. Yue, J. Wang, F. Ji, and G.H. Qi. 2015. Bioefficacy comparison of organic manganese with inorganic manganese for eggshell quality in Hy-Line Brown laying hens. Poult. Sci. 94(8):1871-1878.

