

Availa®ZMC Improves Performance of Broiler Breeders



Study Objective

Investigate the effects of feeding Availa®ZMC to broiler breeders on egg production, eggshell quality, hatchability, and hatched chick grading.



Animals

600 Cobb 500 broiler breeder hens and 60 Cobb 500 broiler breeder males, 22 wk of age

Treatments

A corn-soybean meal basal diet was supplemented with:

Treatment	Sulfates, ppm			Availa-ZMC, ppm		
	Zn	Mn	Cu	Zn	Mn	Cu
Sulfates	100	100	10	–	–	–
Availa-ZMC Iso	60	60	3	40	40	7
Availa-ZMC On Top	100	100	10	40	40	7



Study Duration

46 weeks



Location

Universidade Federal do Rio Grande do Sul, Porto Alegre, Rio Grande do Sul, Brazil

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IS-P-004
PBB 55-77



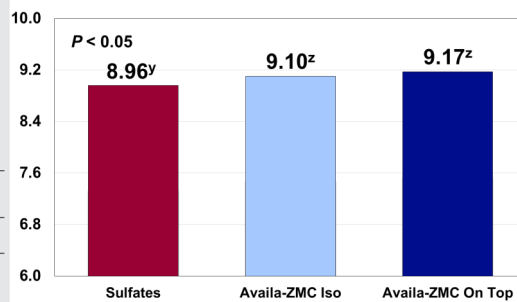
Results Summary

Feeding Availa-ZMC to broiler breeders had the following effects:

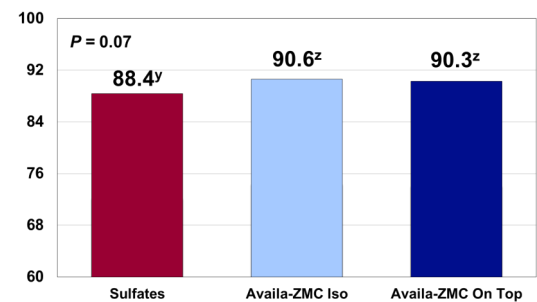
- Improved eggshell quality
- Increased hatchability of fertile eggs
- Availa-ZMC On Top increased the number of chicks per hen housed
- Availa-ZMC Iso decreased early embryo mortality
- Based on chicks per hen housed results, the calculated ROI is 6:1 for the Iso treatment and 13:1 for the On Top treatment for a complex processing 1 million birds/week*

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

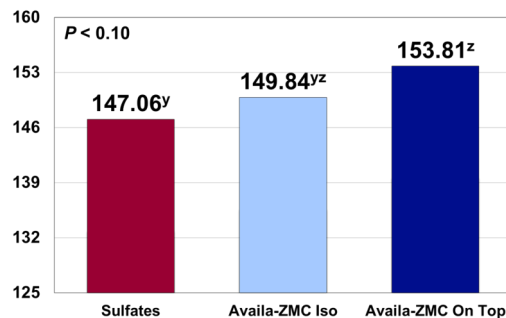
Availa-ZMC Increased Relative Eggshell Weight, %



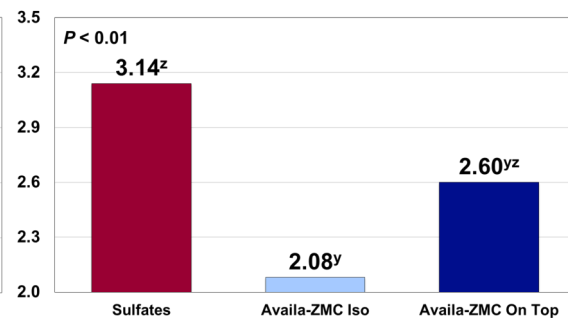
Availa-ZMC Improved Hatchability of Fertile Eggs, %



Availa-ZMC Increased the Number of Chicks per Hen Housed



Availa-ZMC Decreased Early Embryo Mortality, %



DOWNLOAD ABSTRACT/FULL PAPER

Favero, A., S. L. Vieira, C. R. Angel, F. Bess, H. S. Cemin, and T. L. Ward. 2013. Reproductive performance of Cobb 500 breeder hens fed diets supplemented with zinc, manganese, and copper from inorganic and amino acid-complexed sources. J. Appl. Poult. Res. 22(1):80-91.