INSIGHTS - A LOOK INSIDE PEER-REVIEW

Availa®Sow Decreases the Presence of Hoof Lesions in Loose Housed Sows

ZINPRO PERFORMANCE MINERALS®

Study Objective

To investigate the effect of diet supplementation with Availa®Sow on hoof lesions of loose housed sows.

Animals

518 loose housed sows from 3 herds

Treatments

Inorganic Minerals: 125 ppm Zn from ZnO, 15 ppm Cu from $CuSO_4$, and 40 ppm Mn from MnO

Availa-Sow: 45 ppm Zn, 14 ppm Cu, and 25 ppm Mn from amino acid complexes + 80 ppm Zn from ZnO, 1 ppm Cu from $CuSO_4$, and 15 ppm Mn from MnO

Study Duration

Sows were raised and fed Inorganic Minerals throughout their lifetime, following initial lesion scoring, sows were fed diets containing minerals from Availa-Sow. The Availa-Sow diets were fed to sows continuously throughout one or two subsequent gestation cycles.

Location

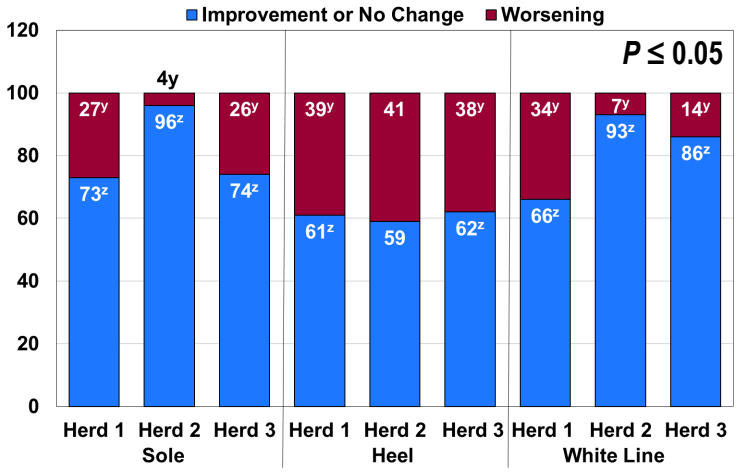
University of Thessaly, Karditsa, Greece

Results Summary

Availa-Sow supplemented to sows improved lesion scores:

- Overall, there were greater odds of decreased lesions scores
- Sole, white line, wall, and coronary band showed improvement or no change in lesion severity, across all three herds
- Heel, toe length, and dew claw length showed improvement or no change in lesion severity, across two herds

Proportion of Sows Showing Improvement or No Change and Worsening in the Severity of Foot Lesions After One or Two Gestation on Availa-Sow, %



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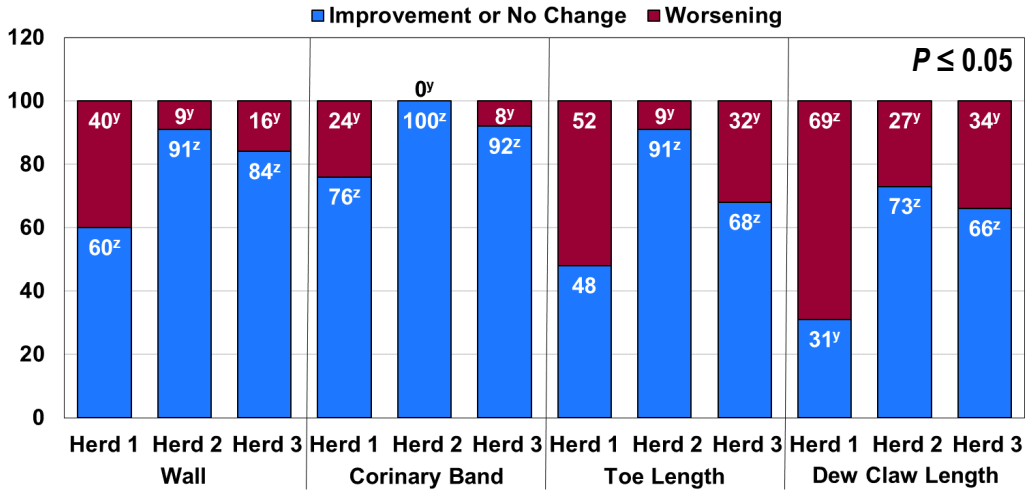

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Lisgara, M., V. Skampardonis, and L. Leontides. 2016. Effect of diet supplementation with chelated zinc, copper and manganese on hoof lesions of loose housed sows. Porcine Health Management. 2:6.