**Study Objective**
Evaluate feeding increasing Zn levels from Availa®Zn, replacing zinc sulfate, during both the dry and lactating periods, on Holstein cow performance.

**Animals**
136 Holstein cows; 66 primiparous and 70 multiparous

**Treatments**
- **Control**: 75 mg Zn/kg DM from ZnSO₄ in the pre- and post-partum periods
- **16 Availa-Zn**: Availa-Zn replaced 33.3 and 15.5 mg Zn/kg diet DM ZnSO₄ in the pre- and post-partum periods
- **40 Availa-Zn**: Availa-Zn replaced 66.6 and 40 mg Zn/kg diet DM ZnSO₄ in the pre- and post-partum periods

**Study Duration**
28 d pre-partum through 250 DIM

**Location**
Iowa State University, Ames, IA, USA

---

**Results Summary**
Feeding 40 ppm Zn from Availa-Zn to dairy cattle during the dry and lactating periods:
- √ Improved feed efficiency (FE)
- √ Decreased somatic cell count (SCC)
- √ Increased colostrum IgG content at calving

Dairy cow health and performance are improved by increasing the Zn level fed from Availa®Zn from 16 (360 mg/d) to 40 ppm.

**Availa-Zn Linearly Lowered SCC**

**Availa-Znlinearly Improved FE**

**Download Abstract/Full Report**