Availa®Cu Provides Additive Effect on Nursery Pig Growth Performance

Study Objective

Four studies were conducted to determine the additive effects of CuSO₄ or Availa®Cu and ZnO on the performance of newly weaned pigs.

Animals

2312 mixed-sex weaned pigs

Treatments

Study 1 and 2ab:
- CON: No added Zn or Cu
- AvCu: No added Zn + Availa-Cu
- ZnO: ZnO + no added Cu
- ZnO + AvCu: ZnO + Availa-Cu

Study 3abc:
- CON: No added Zn or Cu
- CuSO₄: No added Zn + CuSO₄
- AvCu: No added Zn + Availa-Cu
- ZnO: ZnO + no added Cu
- ZnO + CuSO₄: ZnO + CuSO₄
- ZnO + AvCu: ZnO + Availa-Cu

Study 4abc:
- ZnO: ZnO + no added Cu
- ZnO + CuSO₄: ZnO + CuSO₄
- ZnO + AvCu: ZnO + Availa-Cu

Study Duration

Diets were fed for 4 or 6 weeks

Location

University of Illinois, Champaign, IL, USA
Louisiana State University, Baton Rouge, LA, USA

Results Summary

In four nursery pig studies, Availa-Cu:
- Study 1 and 2: overall additive effect on ADG and ADFI
- Study 3: improved ADG and ADFI overall
- Study 4: overall increased ADFI

Availa-Cu Positively Influences ADG, g

Availa-Cu has a Positive ROI

<table>
<thead>
<tr>
<th>Item</th>
<th>Average ROI</th>
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</thead>
<tbody>
<tr>
<td>ZnO + AvCu vs. ZnO</td>
<td>9:1</td>
</tr>
<tr>
<td>AvCu vs. CuSO₄</td>
<td>15:1</td>
</tr>
<tr>
<td>ZnO + AvCu vs. ZnO + CuSO₄</td>
<td>12:1</td>
</tr>
</tbody>
</table>

<3000 ppm Zn from ZnO
<100 ppm Cu from amino acid complex
<250 ppm Cu from CuSO₄
<315 ppm Cu from CuSO₄

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