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:

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Sulfates, ppm</th>
<th>Availa-ZMC, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Zn</td>
<td>Mn</td>
</tr>
<tr>
<td>Sulfates</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Availa-ZMC Iso</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>Availa-ZMC On Top</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

Study Duration
46 weeks

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

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

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