ZAMBACZN150
150g/kg bacitracin zinc

ZAMBACZN150 gives you more

Increased egg production
Improved feed conversion
Resistance to heat stress with:
• Increased egg number
• Higher egg weight
• More total egg mass
• Stronger egg shells
• Higher daily feed consumption
ZAMBACZN150 gives you more

Necrotic Enteritis significantly impacts performance and profitability of laying hen production. ZAMBACZN150 is proven to prevent and treat Necrotic Enteritis by combating the causative agent *Clostridium perfringens*.

Numerous studies and decades of commercial use have shown that zinc bacitracin, the active ingredient in ZAMBACZN150, is highly effective in reducing *C. perfringens* infection in the intestine and improving FCR, immune status and heat tolerance.

In a further study, zinc bacitracin was fed at 100ppm to layers from 26 to 59 weeks of age under heat stress conditions (34°C) compared to a Control group (no zinc bacitracin). The study showed that feeding zinc bacitracin significantly improves layer performance under heat stress conditions (Table 1).

**TRIAL CONCLUSIONS**
1. Feeding ZAMBACZN150 to laying chickens under heat stress conditions can improve egg number, egg weight, total egg mass and shell breaking strength.
2. Dietary inclusion of ZAMBACZN150 can boost feed intake, improve FCR and increase heat stress resistance in laying chickens.

**INDICATIONS AND DOSE RATES**
- For the prevention of Necrotic Enteritis in layers, add ZAMBACZN150 at the rate of 0.5–1.0 kg per tonne of feed (75–150ppm) when most at risk of the disease.
- To treat Necrotic Enteritis in layers, add ZAMBACZN150 at the rate of 1.0–1.67 kg per tonne of feed (150–250ppm) for 5–7 days.
- For the alleviation of the effects of heat stress add ZAMBACZN150 at the rate of 0.67 kg per tonne of finished feed (100ppm).

**TABLE 1. PERFORMANCE IMPROVEMENTS WITH ZINC BACITRACIN DURING HEAT STRESS**

<table>
<thead>
<tr>
<th>AMBIENT TEMPERATURE 34°C</th>
<th>CONTROL</th>
<th>ZINC BACITRACIN (100 ppm)</th>
<th>DIFFERENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Egg production</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Egg number</td>
<td>169.9</td>
<td>196.1</td>
<td>+ 15.4%</td>
</tr>
<tr>
<td>Egg weight (g)</td>
<td>54.6</td>
<td>55.3</td>
<td>+ 1.3%</td>
</tr>
<tr>
<td>Total egg mass (kg)</td>
<td>9.280</td>
<td>10.845</td>
<td>+ 16.9%</td>
</tr>
<tr>
<td>Shell Breaking Strength (kp2)</td>
<td>2.66</td>
<td>3.11</td>
<td>+ 16.9%</td>
</tr>
<tr>
<td>Feed consumption</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Daily feed consumption</td>
<td>0.101</td>
<td>0.111</td>
<td>+ 9.9%</td>
</tr>
<tr>
<td>FCR (kg feed:kg egg)</td>
<td>2.586</td>
<td>2.434</td>
<td>- 5.9%</td>
</tr>
</tbody>
</table>

References:

Zamira Life Sciences delivers innovative, research-based solutions to improve the health, well-being and productivity of food producing animals.