

Impact of PHYTOCEE® on Egg Quality in Layers: Effects on Egg Weight, Egg Shell Thickness and Haugh Unit

OBJECTIVE

To evaluate the effect of PHYTOCEE® on egg weight, egg shell thickness, and Haugh unit in layers.

MATERIALS AND METHODS

Totally 5 different sheds of varying flock sizes viz. Shed No. 1 (n=8,100; Age: 78-weeks), Shed No. 2 (n=26,000; Age: 68-weeks), Shed No. 3 (n=15,000; Age: 30-weeks), Shed No. 4 (n=15,000; Age: 30-weeks), and Shed No. 5 (n=15,000; Age: 30-weeks) were selected for this study. Birds in all sheds were raised on normal commercial feed and concurrently supplemented with PHYTOCEE® at 400 g/ton. The egg quality assessment parameters viz. egg weight, egg shell thickness, and Haugh unit were evaluated.

RESULTS

Effect of PHYTOCEE® on egg quality parameters

| | % Increase in Egg Weight | % Increase in Egg Shell Thickness | % Increase in Haugh Unit |
|---|--------------------------|-----------------------------------|--------------------------|
| Shed No. 1 (n=8,100; Age: 78-weeks) | - | - | 8.40 |
| Shed No. 2 (n=26,000; Age: 68-weeks) | - | - | 3.70 |
| Shed No. 3 (n=15,000; Age: 30-weeks) | 11.00 | 3.00 | - |
| Shed No. 4 (n=15,000; Age: 30-weeks) | 8.00 | 1.00 | - |
| Shed No. 5 (n=15,000; Age: 30-weeks) | 11.00 | 2.00 | - |

CONCLUSIONS

- Inclusion of PHYTOCEE® in commercial layer diet caused improvement in Haugh unit of eggs in layer birds in Shed No. 1 and 2.
- Inclusion of PHYTOCEE® in commercial layer diet caused augmentation of egg weight and egg shell thickness in layer birds in Shed No. 3, 4, and 5.

OUTCOME

Hence, PHYTOCEE® supplementation at 400 g/ton could be recommended for enhancement of egg quality in layers.