

Effect of biostimulator 'Biovet' on feed consumption, feed conversion efficiency and egg production of laying hen

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ABSTRACT : The Biovet fed experimental group consumed less feed as compared to control group of laying pullets. The minimum and maximum daily feed consumption per bird was recorded in 18th and 31st week of age. The total feed consumption ranged between 12.48 to 25.20 kg and 12.24 to 24.00 kg in control and experimental groups, respectively. The average feed consumption per bird in the treatment group was significantly lower as compared to control group of laying hens. Regarding mean body weight weekly observations were made from 17th to 25th week of age followed by two week observation up to 33rd week and three week up to 42nd week of age. Significant differences were observed between control and experimental groups for all the observations of body weight of laying hen. Here appears a constant gain in body weight in both the groups of laying hens as per advancement of age which is an indication of positive feeding. The 'Biovet' fed experimental group showed significant higher body weight as compared to control group of layers. There was steep rise in egg production up to 27th week of age in both the groups which became almost static between 28 to 34 weeks. There after a mixed trend of egg production was recorded in both the groups' from 35th to 42nd week of age. Then there was a bit declining trend in egg production among both the groups up to 42nd week of age which may be due to start of first moulting among the laying hens. The 'Biovet' fed group produced 301 extra eggs during the treatment and on average there was 7.0% increase in egg yield of pullets as compared to controls. As such expression of feed conversion efficiency in terms of quantity of the feed required for production of 12 eggs is practically of significance. The efficiency of feed conversion in to product (egg) was more in experimental group than the control group.

Key Words : Biostimulator, Biovet, feed consumption, feed conversion efficiency.