Effect of Rovimix Hy.D in laying hen production

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Two trials were run to determine the effect of adding Rovimix® Hy.D® (at 3g/t feed, supplying 37.5 ug/kg of 25-hydroxycholecalciferol) to partly replace vitamin D3 in layer’s feed, on production parameters of Lohmann Brown laying hens. The first trial was run from 44 to 70 weeks of age. Hens in the second trial were fed Rovimix® Hy.D® from 18 weeks of age until the end of the cycle (73 weeks). Production parameters were monitored throughout the trials. In trial 1, laying percentage of the control hens averaged 86.7% during the 26-week-period, whereas that for of the Rovimix® Hy.D®-fed hens averaged 87.8% (an increase of 1.4%). The number of eggs per hen housed increased during the trial period from 151 in the control group to 152 in the treated group. In trial 2, using Rovimix® Hy.D® also helped maintain egg production. During the 55-week-period, laying percentage increased by 1.51% (83.8% and 85.3% for control and HyD-fed hens, respectively). The number of eggs per hen housed increased from 323 in the control group to 328 in the treated group. That means 5 more eggs/hen housed. Feed intake was slightly decreased by feeding Rovimix® Hy.D® so that feed conversion was improved by 1%.

Keywords: Lohmann Brown hens; 25-hydroxy-vitamin D3; laying percentage; feed conversion