

Proximate Analysis of Commercial Poultry Feed (Layer Phase III) in the Diet of White Leghorn

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Abstract—*The aim of this study was to find out the nutritional value of commercial poultry feed (Layer phase III) and to evaluate the effect of moisture, the production rate, grain particle size and steam conditioning temperature on composition and physical feed quality of feed which have been used in the diet of the White Leghorn birds. The commercial feed was procured from the market. The mixed samples of the commercial poultry feed was analyzed for the proximate principles viz., Dry matter, Crude protein, Crude fibre, Ether extract, Nitrogen free extract, Total ash and Acid insoluble ash (AOAC, 1995). In the present study it was found that the mean values exhibited that feed sample had optimum protein content. The mean values showed that feed sample had 16.86 per cent protein content, whereas the figures for organic matter, dry matter, moisture, ether extract, crude fibre, nitrogen free extract, total ash, acid insoluble ash, calcium and phosphorus were recorded as 93.74, 91.62, 8.38, 3.98, 12.48, 52.04, 6.26, 2.43, 4.38 and 0.54 per cent, respectively. So it is concluded that the commercial poultry feed (Layer phase III) should be encouraged on large scale to utilize it as a basal feed that will ensure better nutritional status and production of the White Leghorn.*