

Nutritional Evaluation of Commercial Grower Crumbles in the Diet of White Leghorn

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Abstract—Present study was done to investigate the chemical parameters of the commercial grower crumbles in the diet of White Leghorn. The study will provide referential information for the identification of the feed nutrients. The poultry diets are formulated by least cost linear programme to provide specified level of nutrients that are needed for optimum performance. The main production criteria are growth rate, feed conversion ratio, health and body composition. The proximate analysis of commercial grower crumbles was determined using the methods of association of official analytical chemists (A.O.A.C., 1995). The samples of the commercial grower crumbles were analyzed for the Dry matter, Crude protein, Crude fibre, Ether extract, Nitrogen free extract, Total ash, Acid insoluble ash, Calcium and Phosphorus. The mean values showed that commercial grower crumbles had moisture (10.68 %), whereas the figures for organic matter, dry matter, crude protein, ether extract, crude fibre, nitrogen free extract, total ash, acid insoluble ash, calcium and phosphorus were recorded as 93.64, 89.32, 17.16, 4.54, 10.18, 51.08, 6.36, 1.29 and 0.52 per cent, respectively. It was concluded that commercial grower crumbles is good source of nutrients for the White Leghorn as a basal feed supplement to meet the nutrient requirement.