



USE OF DAMAGE EGGS IN POULTRY FEED – A SOLUTION ON ECONOMICAL LOSS OF POULTRY INDUSTRIES

V. M. Jaysingpure

Balbhim College Beed Dept. Of Zoology

Email: jaysingpurevarsha@rediffmail.com

ABSTRACT:

In a pandemic of Covid-19, there is a lockdown in a whole country. All transportation was stopped. In such a critical condition, in poultry industry numbers of damaged eggs were stocked. The life of these damaged eggs is very few days. I.e. 2 to 3 days. Within these 2 to 3 days we can utilize it, before they are rotten. When all transportation was stopped, it is a big problem, how to utilize it. There is a big economical loss of poultry farmer. The present study solves this problem of poultry farmer by using damaged eggs in poultry feed. It gives best quality feed having high protein and nutrition to the poultry birds.

Keywords: poultry birds, Covid19

INTRODUCTION:

Poultry industry is the important industry in agriculture field. As poultry eggs are a big source of protein and vitamins. So it is used as a nutritious food in day to day life. For the poultry farmer daily transportation and utilization of eggs is very important. But during covid pandemic there is a lockdown everywhere all markets, shops, restaurants, hotels were closed. So daily requirement and consumption of eggs were stopped which is a very big problem for the poultry farmer. There is a need to solve the problem. In the present research author tries to solve this problem by utilizing or using cracked eggs or damaged eggs in poultry feed itself.

MATERIAL & METHODS:

A simple method is used to utilize the egg in a poultry feed. First of all collect all damaged eggs which are not in a good condition. And collect those which we cannot for a long time period. Take a large cooker or Bhagana half filled with water. Boil all the damaged eggs in the cooker. Then crush it in small pieces or directly grind it with shell cover. And mix it in a feed. This feed is highly nutritious as eggs contain protein, calcium and vitamin which fulfill the content of nutritious feed.

For small birds (brooders) we can use it without shell cover generally in poultry ready-made company feed is used. A soyabean powder for source of protein nowadays it is very costly.

Chicken eggs contain within a Calcium Carbonate based hard shell, which is about (11%) of the weight of the egg whites (albumen) and the egg yolk separated by membranes a nutritionally valuable due to their content of high value protein, fat, vitamins, and minerals.

Composition of egg: The egg is made up of approximately (11%) shell and (89%) interior. The composition of the shell is important from the viewpoints of food safety, sanitation and aesthetics. It contains calcium carbonate (94%), magnesium carbonate (1%), calcium phosphate (1%) and organic matter (4%).

CONCLUSION:

As we know that eggs are one of the most nutritious and versatile foods. In the kitchen the damaged eggs used in poultry feed fulfill the nutritional value of poultry feed and on the other hand save the money of poultry farmer. Just like 'Best from Waste' health of the poultry birds is definitely good often after eating egg content feed. An egg protein contains all the 9 essential amino acids (EAA) in the right proportion.

Nutritional value of poultry eggs (value per 100g of egg): Nutrient Unit Chicken Protein gm 12.56
Total lipid gm. 9.51 Ash gm. 1.06.

ACKNOWLEDGMENT:

I am deeply obliged to principal Dr. V. G. Sanap, vice principal Dr. S.S. Undre, Balbhim College Beed. For their constructive and constant

encouragement throughout the progress of the work and for providing all the necessary facilities and financially support during this work.

REFERENCES:

Park K nutrition and health, In park's textbook of preventive &social medicine

Gupta R.K Major foods and their nutritive value

Egg-ucation, Benton Franklin Health district

Full text of modern poultry Husbandry.

Harish Kumar - A competitive study. A journal of applied sciences & technology 1-13, 2018.