



LESSON NOTES

School: Ba Sangam College
Subject: Agricultural Science

Year/ Name: 10 _____
Worksheet: 21

Strand	AS 10.4 Livestock Production
Sub Strand	AS 10.4.1 Poultry
Content Learning Outcome	Recognize the importance of management practices in the rearing of poultry birds for better production and sustainability.

LESSON 3/4/5 RAISING POULTRY BIRDS – REARING PHASE/ RAISING POULTRY BIRDS – LAYING PHASE/ FEEDING OF POULTRY BIRDS

Lesson Outcome: At the end of this lesson the student will:

- i. list the management practice for the rearing phase of poultry birds
- ii. describe the management practice
- iii. identify the basic laying practices
- iv. describe the importance of each management practice in the laying phase
- v. explain the importance of proper feeding of poultry birds
- vi. calculate the feed conversion ratio of the poultry bird in the school poultry shed.

Notes:

The following rearing practice: feed, water, ventilation, light, disease, stocking, weighing management and are important components in the management of poultry birds.

Laying phase starts at 22 weeks, but birds are put in cages at 18/20 weeks.

Poultry birds have to be fed with the correct feed, amount and the right time for better production. Self – evaluation

- In chickens it should be less than 2:1. (The lower the FCR the more efficient the system)
- Formula: $FCR = \frac{\text{Total feed eaten(kg)}}{\text{Total live weight gain (kg)}}$
- Example: The total amount of feed eaten by birds was 100kg and gained 200kg live weight. Calculate the $FCR = \frac{\text{Total feed eaten (kg)}}{\text{Total live weight gain (kg)}} = \frac{100\text{kg}}{200\text{kg}} = \frac{1}{2} = 1:2$.

Thus, the birds gained 2kg of body weight after eating 1kg of feed. It is a good FCR.

Activity Worksheet 21

1. State the ages at which broilers and layers are reared?

(2 marks)
2. What is the importance of lighting to layer birds?

(2 marks)
3. At what age do layer birds start to lay eggs?

(1 mark)
4. What feed is given to layers during laying phase?

(1 mark)
5. State three ways on how unproductive layers are identified and culled

(3 marks)
6. What would happen if the birds do not receive 16 hours of light?

(2 marks)
7. Briefly explain the components of feed and their functions.

(3 marks)
8. State 2 ways on how energy is lost from the feed to the animal's body.

(2 marks)
9. The total amount of feed eaten by birds was 100kg and gained 50 kg live weight.
Calculate the FCR.
(4 marks)