**Practical 8**

**Broiler Management: Records and Methods of Calculation**

**Objectives**

1. Be able to keep and use of accurate production records
2. Calculate broiler performance parameters (daily, weekly, and total grow-out)

The keeping and use of accurate production records is necessary to determine the economic efficiency and management standards of broiler grow-out.

Production records to keep:

Total Period:

1. Date of chick delivery
2. Number of chicks delivered
3. Dates, types and source of vaccines used
4. Cause of mortality
5. House temperatures

Weekly or Daily records:

1. Weight of feed fed per day and per week
2. Mortality and culls per day and per week
3. Average weekly live weight based on a random sample of a 100 chicks
4. Other materials used (for example, gas and wood shavings)

Measurement of feed consumption:

1. Bulk load in feed silos (sacs), based on estimation)

Example:

Estimated silo contents at start = 500 kg

Intake into silo = 25 tons

Estimate silo content at end = 1 ton

Total feed = 24.5 tons

Number of chicks = 10,000

Feed consumption= 29.5 X (1,000,000 g/ ton) = 2450g/bird

10,000

Direct weighing of feeders and / or feed fed

Example

Weight of feeders + feed start

Weight of feed added

Weight of feeders and feed end

Weight of feed used

Number of birds

Age of birds

Average feed intake per bird / week

Calculations for Performance:

1. Average feed intake per bird / unit of time
2. % mortality + culls/ unit of time = (No. of dead + culls) X 100

No. of chicks at start

1. Average live weight / unit of time = Total live weight of sample

No. in sample

1. Feed conversion / unit of time = Average feed intake

Average live weight

1. Feed cost / Kg live weight = cost of feed / Kg X feed conversion ratio
2. Production factor = % survivors X growth rate / day X 100

Feed conversion ratio

**LAB REPORT** 8

**Broiler Management: Records and Methods of Calculation**

Name: …………………………………….

ID NO: ……………………………………

Section: …………..

**Use the performance data you obtained for the flock that was raised in the Faculty farm and calculate the following parameters, then submit a written report.**

1. Average feed intake per bird for the whole period

2. % mortality + culls/ unit of time

3. Average live weight / unit of time

4. Feed conversion / unit of time

5. Feed cost / Kg live weight

6. Production factor