

## USE OF COMPUTER IN POULTRY

The use of computers in poultry related activities has almost become indispensable, especially for larger operators. Computers are used in pureline and breeder farms to keep individual records of breeding stock and selection of the next generation. Computers have simplified the job of the geneticist, by simplifying the data processing.

Computers are used in least cost feed formulations by all feed manufacturers and integrators, by linear programming. By using computers it is possible now to formulate least cost feed formulations, using unconventional feedstuffs, without affecting the performance of the birds.

Many big farms, feed companies and hatcheries are maintaining personal computers to maintain all the farm records. It will not only save time and labour, but also can generate different combinations and permutations of records in any split up or consolidated forms, for better interpretation of the data for future planning.

Computers can be efficiently utilized in automation of the farm, control of house environment, feed production, hatchery operation, mortality monitoring, shed, cage and equipment design as well as other day-to-day operations.

### ANALYSIS OF RECORDS

Merely keeping of neat and up-to-date records in poultry is not sufficient. Their weekly, monthly and yearly analysis is of equal importance. Weekly analysis and summary of performance records facilitate assessment of productive performance of birds. It allows to pinpoint errors and mistakes in management to rectify them so as to enhance production standards of birds. Similarly, monthly summary and analysis of financial records indicates trend of income and expenditure thereby give knowledge of financial status of enterprise in the form of profit, loss or status quo condition.

1. Analyse the farm records to find out whether the farm business is at breakeven point or not.
2. The farm records will give a clear indication of whether the farm is going on a loss or gain.
3. It will also indicate the areas of loss and gain.
4. It will offer advice as to where improvements could be made to make better gains.
5. It will also help the promoter to plug holes which may drain out his profits.
6. It will make him grow wise in management and disease control.

A person with basic knowledge of computer can easily use this software.

### **Hatchery Management System**

Records and monitors machine-wise temperature and humidity details with the help of mobile applications. One can easily check machine utilization and its performance. This system calculates party-wise performance, hatch details, product cost, etc. Owners can view accurate balance sheet and profit & loss statements.

- Generates hatcher & setter-wise egg stock
- Per chicks production cost
- Hatch report
- Temperature reading
- Party-wise hatchability

### **Hatchability**

- Hatch details
- Candling report
- Performance
- Chick dispatch details

### **Temperature Reading**

- Mobile application to record remote data
- Actual reading time(temperature / humidity)
- Hatcher & setter-wise temperature details

### **Hatch Report**

- Hatch details
- Wastage eggs details
- Per chick cost
- Production percentage
- Admin / overhead cost

### **Batch Performance Analysis**

- Hatch percentage
- Candling details
- Egg transfer details
- Vaccination details
- Calculates production cost

### **Machine Utilization**

- Utilization of hatcher machine
- Utilization setter machine
- Machine turning details(front / back)
- Hatcher & setter performance

## Batch Performance Analysis

- Hatch percentage
- Candling details
- Egg transfer details
- Vaccination details
- Calculates production cost