

Poultry Science

VI Semester B.Sc. Zoology –
Elective Course XV

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HOUSING OF POULTRY



SCIENCEPICTOLIBRARY

WELL CONSTRUCTED HOUSE HELPS

- Conserve birds energy
 - Economy in feed
 - Increase egg production
 - Improve fertility
 - Promote health & growth
 - Low mortality rate
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IMPORTANT CONSIDERATIONS

- Natural facilities for ventilation for house
 - Plenty of sunlight & natural shade
 - Placed on a slopping hillside for good drainage
 - Sandy loam soil promoting good drainage and growth of grasses & green crops
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HOUSING HYGIENE

- Completely dry
 - Avoid dampness- discomfort
 - Proper ventilation-fresh air & less moisture
 - Fowl- rapid metabolism- high air requirement
 - Sunlight- dry, destroys harmful germs
 - Designed to clean and spraying
 - Minimum cracks
 - Adequate room for each bird
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HOUSING SYSTEMS

- Free range system
 - Semi-intensive system
 - Intensive system
 - 1. Deep litter system
 - 2. Battery system
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Free Range System



Free Range System



Semi-Intensive System



Deep Litter System



Deep Litter System

- Kept in large pens up to 250 birds each
- Floor littered with 8-12 inches thick straw, saw dust or dry leaves
- Floor space 3-4 sq. ft per bird
- Proper ventilation & illumination
- Litter occasionally stirred to mix up the droppings



ADVANTAGES

- Safety to birds & eggs
- Supplies food requirements
- In dry conditions
- Constant temp maintained-cool in in hot weather and hot in cool weather
- Litter form ideal manure
- Losses due to egg breakage minimum

Deep Litter System



Battery System





Battery System

- Modern system
- Rearing in individual cages
- System adopted to save space
- Cages kept in rows and tires
- Floor mesh slopping- eggs roll out
- Hens sit or stand comfortably – limited space



ADVANTAGES

- Lesser space – more economical
- Individual bird well cared and performance can be watched
- Infected birds removed easily
- Eggs collected in clean conditions

Battery System





DISADVANTAGES

- Initial cost of building very high
- Cost of replacement high
- More cracked eggs

THANK YOU