

# HEALTHY GROWTH PRINCIPLES

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# POULTRY BREEDING

- Breeder (safkan)
- Grand parent (büyük ana-baba)
- Parent (ana-baba/damızlık)
- Commercial yield (meat, eggs) farming

# HEALTHY GROWING PRINCIPLES

- The health of new animals to be taken into the commercial flock
- Shelters should be suitable for the purpose of management
- Good care of animals and good feeding of animals

# Care and Feeding of Animals

## Breeding, maintenance of broiler and laying hens

1. Preparation of bases
2. Chick compartments
3. Feeder and watering
4. Heating
5. Lighting
6. Ventilation
7. Moisture
8. Vaccine-drug applications
9. Record

# CAUSES OF DISEASE IN POULTRY

## Non-infectious diseases

- Nutritional disorders
- Problem in care of the animals
- Genetic disorders

## Infectious diseases

- Bacterial
- Viral
- Mycotic
- Parasitic

# Bacterial Diseases

- Salmonella Infections
  - Fowl typhoid and Pullorum disease
  - Paratyphoid
- E.coli
- Mycoplasma infections
- Pasteurella infections
- Avibacterium infections

# Viral Infections

- **Newcastle Disease (ND)**
- Infectious Bronchitis
- Metapneumonia virus infection (SHS)
- Laryngotracheitis (ILT)
- Influenza
- **Bursal Disease (Gumboro- IBD)**
- Adenovirus infection
- Chicken anemia
- Reovirus infection

# Sources of infections

- Infectious agents are very common in nature
- Infected animals
- The dead birds
- Vector animals
- Contaminate feed
- Contaminate water
- Contaminate equipment
- Birds entering poultry houses
- Rodents
- People who visit the flocks



# ROUTES OF INFECTION

- By egg
  - Vertical
  - Horizontal
  
- Routes of gastrointestinal way
- The respiratory route
- With skin, cornea and mucose membrane
- With the application of live vaccines

## **Methods of transmission to poultry:**

- Directly
- Indirectly
  - Live factors
  - Lifeless factors