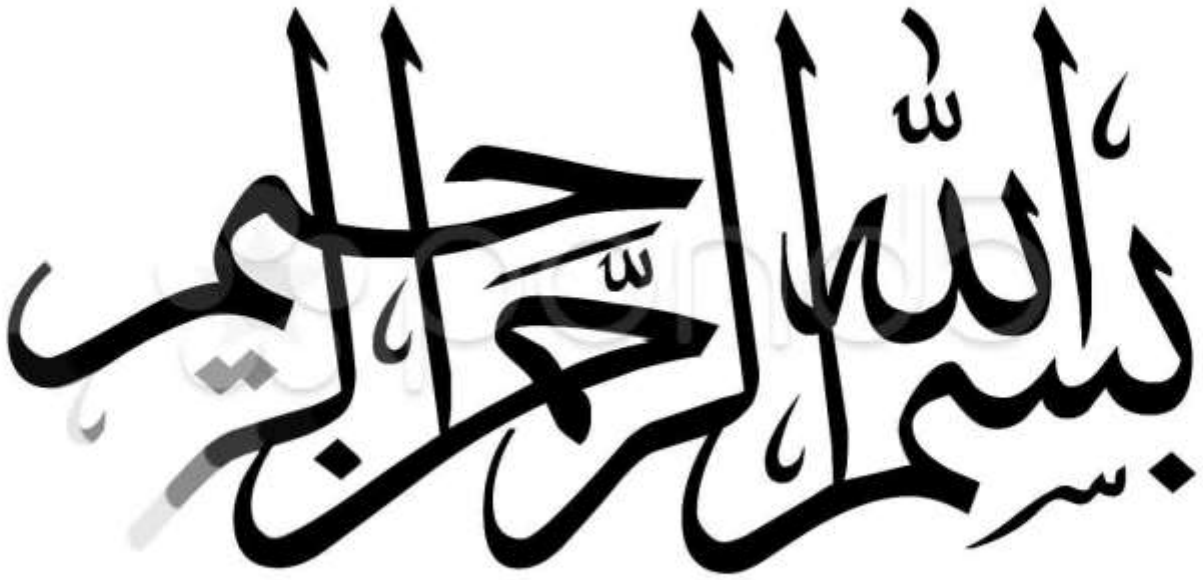

بسم الله الرحمن الرحيم

Feeding Systems and Feeding Practices In Control Shed

Feeding Systems of Poultry

Two types of feeding systems for poultry:

- Automatic Feeding System
- Manually Feeding System

Automatic Feeding System

- Main Feed Line System of Silo
- Pan feeding System
- Chain Feeding System

Main Feed Line System of Silo

- Main feed line system is a complete set of automatic feeding system
- It includes materials:
  - Conveying pipe
  - Silo
  - Auger
  - Drive motor
  - Material level sensor
- It is mainly used to deliver feed from silo to the hopper in the poultry house.
- There is one feed sensor at the end of main feed line, which can control the drive motor on and off.

Main Feed Line System of Silo

- Hopper capacity is 90-170kg

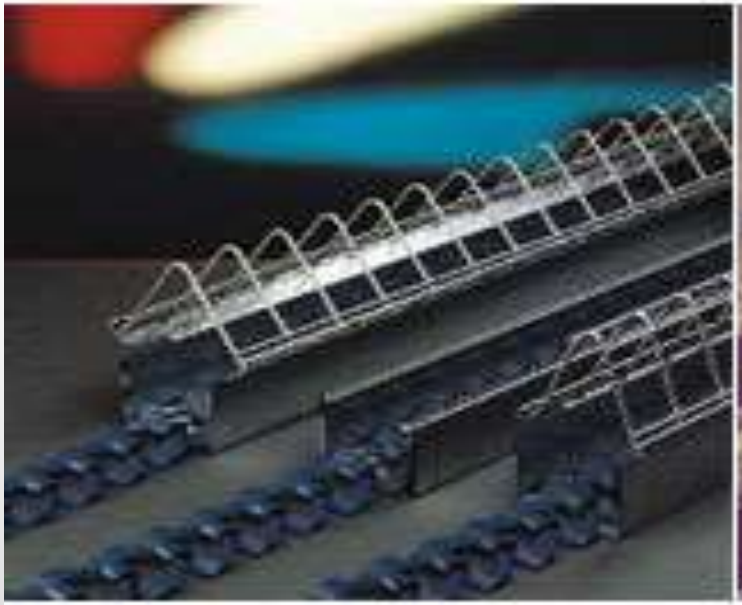
Pan Feeding Line System

- Pan is used on automatic pan feeding system.
- There are 40-55 chicken per pan.
- Pan plate can be disassembled on the ground for 0-day's old chicken
- Slide Shutter Off:
  Can adjust feed amount from complete open to complet e close.
- Edge of pan plate tilt towards the center & wastage of feed can be avoided.
- Smooth edge can prevent the birds from injuries.

Pan Feeding Line System

Chain Feeding System

- Trough depths:
  - 64 mm for broilers
  - 80 mm for hens
- Speed 6, 12, 18 and 36 m/minute
- Without stress system, heavy duty, restrictive



Automatic Nipple Drinking Line System

- This system can provide fresh and clean water for poultry which is crucial for the growth of Poultry.
- Triggered from 360 degree which makes drinking easier.
- Clean water should be provided every time.

Cont…

- Automatic nipple drinking system consists of:
  - Drinking pipe
  - Pressure regulator
  - Water meter
  - Filter
  - Winch with hanging wire

- Drinking line distance is 2.5-3.5m
- 1 nipple is for 10-15 birds

Qingdao Sinotop Industry & Trade Co.,Ltd

SINOTOP

Semi-automatic Feeding in Poultry

- The oldest system of feeding
- Feeding of flock manually
- Labour is required
- Manually controlled feeding and water requirement
- Temp. requirement is 37°C

- It is the system in which feed is put into hoper & then it is conveyed towards the birds.
- Feed is put into the hopper according to birds requirements by labour not automatically.

Benefits of Controlled Farming

- Poultry farming in controlled environment has brought a great change in poultry industry of Pakistan and is rapidly becoming popular among broiler producers due to its following significant advantages:
- The temp. remains consistent round the clock providing very conducive environment.
- The temp. can be brought down by 10°C-15°C in controlled environment farm as compared to the conventional farm and makes environment more comfortable for birds.
- In conventional farming, the broiler production in summer is almost stopped and only four flocks could be taken whereas in controlled faming, 6-7 flocks could be raised.

Cont..

- Being controlled environment, the incidence of diseases could be minimized and cut down the cost of vaccine and medication of Rs.2-3/bird as compared to conventional farming.
- Mortality has been decreased to 2-3% in controlled environment farm as compared to 10% in conventional farm.
- In controlled environment farm, only 1 person at day time and 1 at night time are sufficient to look after a flock of 35,000 birds whereas, in conventional farm merely 6-8 persons are required to manage such a flock.

Cont..

- In controlled environment farm, a broiler flock is ready for market in 37 days as compared to 45 days in conventional farm.
- FCR in conventional farm is more 2-2.2 (3-3.3kg feed to gain 1.5kg wt.) whereas, FCR is improved to 1.8 in controlled environment farm (2.8kg feed to gain 1.5kg wt.)


thank
you