

# Brooding management



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- Care and management of chick during early part of their life (up to **4-6 week**)

## 1. Natural brooding:

- With broody hen
- Only **few** chickens are raised
- 15-20 chickens

## 2. Artificial brooding:

- With out aid hen

### (a) Hot room brooding

Heated through the central heating system

### (b) Cold room brooding :

Heating only area **under brooder canopy**

**feathering** appears to be better which this system.

# Brooding requirement

## 1. Temperature

- Maintain of correct temperature in brooder house is one of the **essential factors** for successful brooding.
- In first week it is **95 F**(33 C) and reduced by **5 F** each week till to room temperature **21 C**.
- To low/high temperature will cause poor growth

## 2. Ventilation

- 3-5 air exchange/h
- Increase ammonia (25 ppm normal) level in brooder house leading to irritation of eye.

### 3.Humidity:

- 50-60% of relative humidity.
- High humidity causes problem of wet litter.

## 4. Litter

- A layer of 4-5 cm of suitable litter material (saw dust) should be spread on floor as bedding material in deep litter system of rearing.



## 5.Chick Guard/ brooder guard

- Barrier provided to (**straying** away) of baby chicks from source of heat drafts.
- A metal sheet of **45 cm height** placed in circular manner at a distance of **85-90 cm** from the edge of brooder can very well act as chick guard.
- Increased to **130 cm** and generally required for 7-8 days only.

## 6. Feeding and watering

- 1<sup>st</sup> two days chick are fed with rough ground maize.
- 3<sup>rd</sup> day with mixing of chick mash and maize is introduced.
- Water added with anti stress like electrolyte and vitamins
- Feeder space should be enough 1/3<sup>rd</sup> of all birds never more than 1/2<sup>nd</sup> full to avoid

## 7. Space

- **First** week – 100 - 120sq.cm/chick
- **2-4** weeks – 250 - 300sq.cm/chick
- **5-8** weeks – 700 - 820sq.cm/chick

## 8. Health care

- Adaptation of correct medicine and vaccination programme.



Thanks