

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
الْحَمْدُ لِلَّهِ الَّذِي
خَلَقَ السَّمَوَاتِ وَالْأَرْضَ
وَالَّذِي جَعَلَ الْمَوْتَ
وَالْحَيَاةَ وَالَّذِي
يُعِيدُ النَّاسَ
وَالَّذِي يَخْلُقُ مَا
يَشَاءُ وَالَّذِي يَخْتَارُ
مَنْ يَشَاءُ وَهُوَ
الْعَزِيزُ الرَّحِيمُ
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Brooding

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- Definition
- Pre Brooding management
- Classification of brooding
- Types of Brooders
- Ventilation And temperature

Brooding

➤ Brooding is the art and science of rearing baby chicks

Why Brooding is Important ?

- ❖ No proper Thermoregulatory Mechanism developed
- ❖ No proper digestive system developed
- ❖ For developing immunity .
- ❖ Optimal brooding is essential to optimize bird health and contribute to a performance and survival in later life

Pre brooding management

- After taking out the previous adult birds, Clean and disinfect the poultry house.
- 2 to 3 weeks interval may be provided between 2 batches as down time.
- Establish proper temperature 32 to 35°C and 60% humidity 24 hours before chick placement

Conti.....

- Pre heat brooding house prior to chick placement
- 24 hours in normal climates
- 48 hour in cool climates
- 72 hour in cold climates
- Bright light (30-35 lux) for 22 hours during 0-7 days helps chicks to easily find feed and water

Classification of brooding

Brooding are classified into two types

- Natural brooding
- Artificial Brooding

Natural brooding

- It is done with the help of broody hens after hatching, upto 3 to 4 weeks of age.
- The hatched chicks provide the stimulus to the hen to change her work from incubating eggs to brooding young.

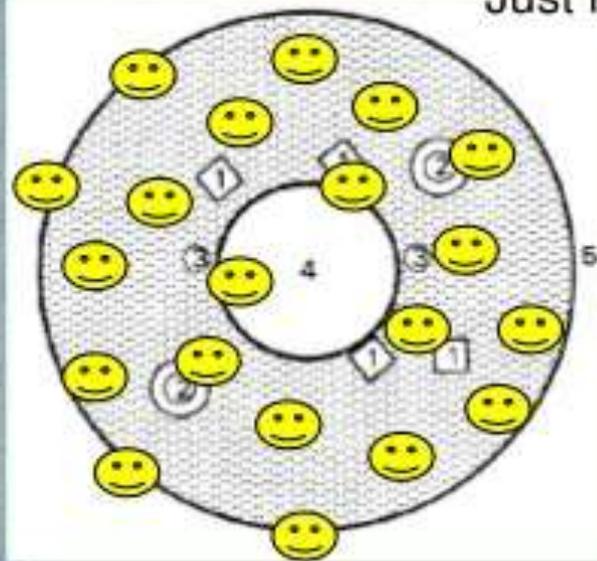


Artificial brooding

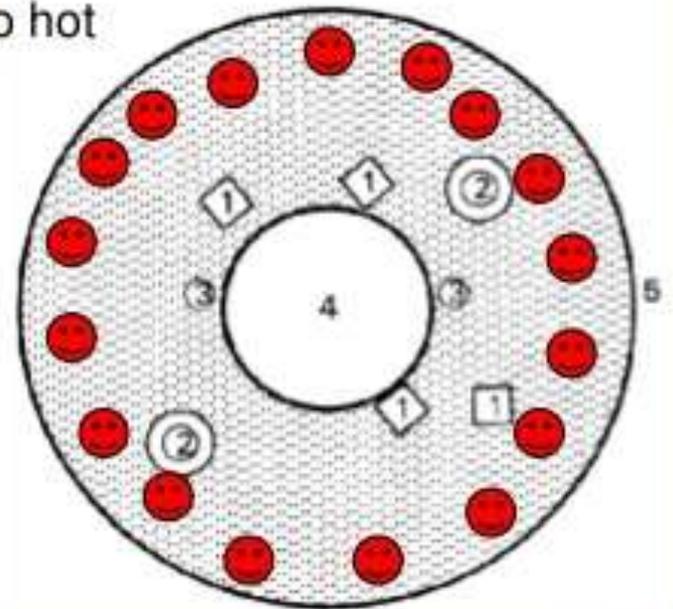
- In artificial brooding large number of baby chicks are reared in the absence of broody hens.
- Those equipments which are used for brooding are called brooders.



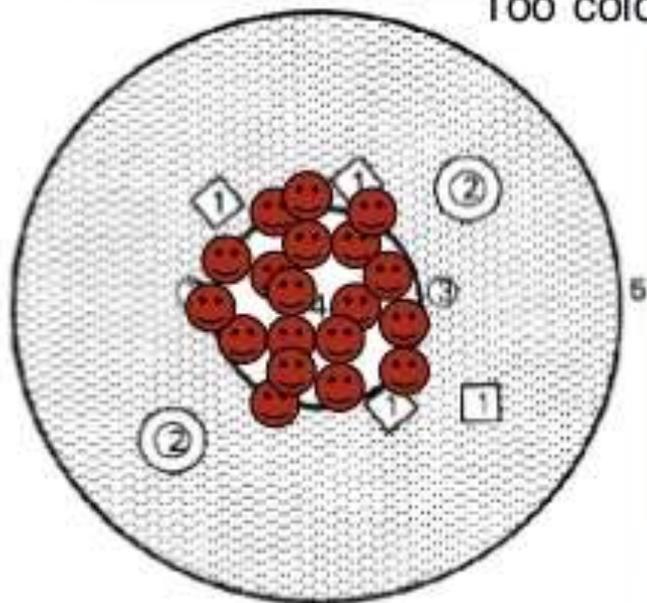
Just right



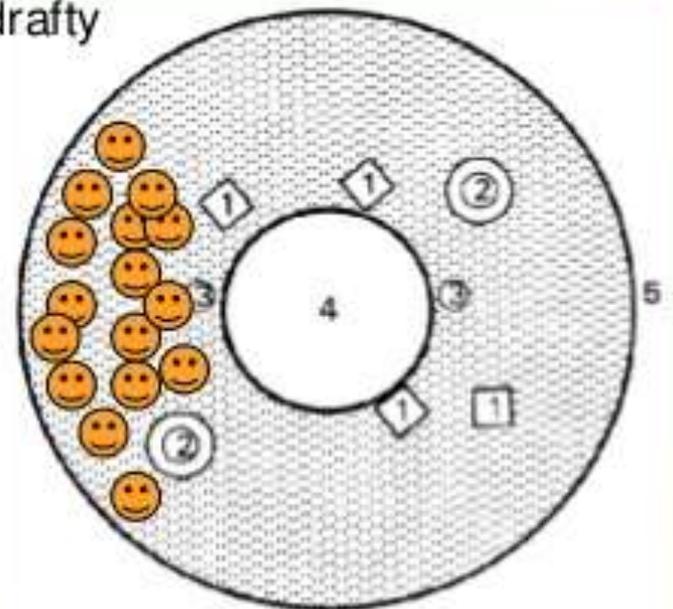
Too hot



Too cold



Too drafty



Types of brooders

- Infra red bulbs
- Gas brooders
- Heating coils
- Battery brooders

Infra red bulb

- Also known as IR bulbs are large 250 reddish incandescent bulbs.
- One 250 watts IR bulb can provide brooding for about 150 to 250 chicks.



Gas brooder

- Natural gas, LPG or methane is connected to heating element which is hanged 3 to 5 feet above the chick to provide heat.



Battery brooders

- Multi tier cage brooding is practiced.
- Bulb or heaters with thermostats are used to provide warmth to chicks in battery brooders.



Temperature

- For 0-7 days Air temperature should be 32-33°C (in cages)
- Air temperature (floor) 32-35 °C
- Gradually decrease 3 C every week and maintain at 21-24 °C.

Ventilation

- Required to provide fresh air and removing gases like carbon dioxide and ammonia for healthy respiration.
- Opening and covering of curtains need to be done correctly depending on weather condition.
- Humidity is about 50 to 60% has to be maintained.



Thank
you!!