



**TO
ONLINE TRAINING
ON
BROODING IN SUMMER**

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BROODING

Brooding is Nursing & Special Care of newly hatched Chicks



Brooding is essential during 1st 7 – 10 days of Chicks Life

Target for Brooding - 1st Week Body Weight 200gm & Mortality <1%

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BROODING OBJECTIVE

- 1) Uniformity
- 2) Control Mortality – High Livability
- 3) Good 1st Week Body Weight (200 gm Plus)
- 4) Development Immune system – Healthy chicks; less Disease
- 5) Development of Intestine – Better Feed utilization; better FCR. Better GALT – Better Immunity
- 6) Profitability



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SUMMER BROODING



Brooding is 50% of Poultry; Brooding makes the Road of Chicks health, Mortality, Weight gain & FCR

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BROODING Essentials

- Disease Free House
- **Temperature**
- **Ventilation**
- Space & Litter
- **Light**
- **Safe Drinking Water**
- **Early & Easy Access to Feed**



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TEMPERATURE ZONE

COLD STRESS	COLD	OPTIMUM (Ambient)	WARM	HEAT STRESS
Below 10°C	10 – 18°C	18 – 24 °C	25 – 30°C	Above 30°C
Exhaustion	Adjustment	Comfort Zone	Adjustment	Exhaustion

To achieve maximum performance, poultry house Temperature must be kept consistently within the bird's thermo-neutral or comfort zone. Otherwise, the bird will expend additional energy to regulate its Body Temperature resulting poor Body Wt Gain & Poor FCR.

The bird's comfort zone changes with age & is influenced by • Body Weight • Ventilation • Feed Intake • Relative Humidity & • Ambient Temperature

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BROODING STEPS – SHED READY



CLEANING

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BROODING STEPS – SHED READY



White Wash

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BROODING STEPS



Final Disinfection with all Equipment inside



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BROODING STEPS – GETTING READY



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BROODING STEPS – RECEIVING CHICKS

- Unload chicks & place them quickly onto paper in the brooding area
- Arrange equipment to enable the chicks to reach Feed & water easily & quickly
- Leave chicks to settle 1 – 2 hours with access to feed & water
- Check feed, water, Temperature & Ventilation after 1 – 2 hours and adjust where necessary



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BROODING: AFTER HOUSING IN SUMMER/ MONSOON



Chicks are in Comfort Zone: Eating, Drinking, playing & Making sound immediately after Release from Chicks Box

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BROODING – PAPER FEEDING



- Chick's Feed are to be sprinkle on Newspaper where Chicks are just released
- Sprinkle 8 – 10 times 1st days on Paper from a distance creating gentle sound to draw attention of the chicks

Paper Feeding motivates chicks towards Feed to achieve early & 100% Crop Filling in 48 hours

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BROODING – CROP FILLING



The Crop should be Full, Rounded and Soft to touch, Porridge like appearance



100% Crop filling stimulates development of intestine which favours

- Proper absorption of nutrients
- Reaching standard 7 day body weight
- Improves Immune capacity

- Feel the Crop to access Feed & water Intake by the newly housed Chicks
- After 5 Hours of delivery 80% Chicks must have consumed some food & water
 - After 12 Hours 90% Chicks shall have both feed & water in crop
 - 100% Chicks shall have Feed & Water in Crop after 24 hours

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SUMMER/MONSOON BROODING

Brooding does not means to provide only Temperature. (which is not needed in Summer)



Brooding is to provide Comfortable Environment to the newly hatched Chicks in terms of Temperature, Ventilation, Bedding, Light and To arrange Easy access of Safe Drinking Water & Feed for the journey ahead

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BROODING – EARLY CHICK FEDING



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BROODING – EARLY CHICK FEEDING



Early & Easy access of Feed & Drinking Water is essential which ensures

- Development of Intestine leading to proper digestion & absorption of nutrients
- Development of (GALT) Immune system
- Healthy balance of Gut Microbiota

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Summer BROODING Mis-MANAGEMENT



Packed Curtain Cover Brooding to maintain Temperature

- NO Ventilation
- LESS Feed on Paper/No feeder
- Less Drinker

Bangladesh May 2021 at 34°C Temperature

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Summer BROODING Mis-MANAGEMENT



Packed Curtain Cover Brooding with Huge Light to maintain Temperature with ZERO Ventilation – Bangladesh, Summer'18 AND The Chicks are under Stress

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BROODING Mis-MANAGEMENT

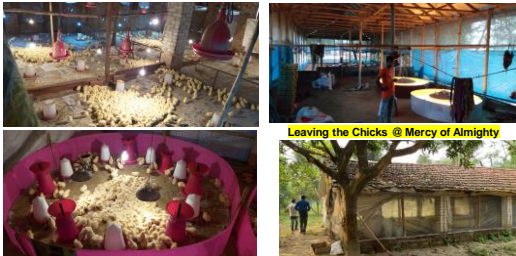


Packed Brooding with Huge Light to raise Temperature in Summer with No Space to Move, Eat & Drink and ZERO Ventilation – Bangladesh AND the Chicks are under Stress (Sweating in Winter)

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BROODING MIS-MANAGEMENT



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Common BROODING MISTAKES



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SUCCESSFUL BROODING RESULTS

- Expression of Full Genetic Potential of Birds resulting Targeted Body Weight & FCR
- Early IMMUNITY Development:
 - a) Less Viral Outbreak
 - b) Less C R D/ E coli
 - c) Less Mortality
- Uniformity in Flocks:
 - a) Less Lameness & Culls
 - b) Less Vaccine failure



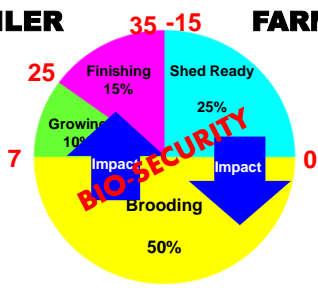
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BROILER FARMING



THANK YOU