

# EQUIPMENT FOR CHECKING BROODING SET-UP

Correct brooding conditions are important for getting poults off to a good start. You can accurately assess the conditions into which poults are being placed by having the correct equipment at your disposal. Below is a list of equipment that can be used to monitor brooding conditions.



Note: the equipment given in the table above are examples only

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# MONITORING **BROODING CHECK LI**



- Recommended environmental conditions at placement:
  - Air temperature (measured at poult height in the area where feed and water are positioned): • 36-37°C for
    - whole-house brooding • 28°C at the edge of the
    - brooder ring for spot brooding
  - Litter temperature: • 30°C
  - Carbon Monoxide: • <10ppm
  - Ammonia: • <20ppm
  - RH: • 50-70%

<2500ppm Feed: Dust-free crumble or mini-pellet. The crumb should be tested using a sieve to ensure the correct level of crumb is present in the feed.

Air speed:

CO<sub>2</sub>:

Maximum of

0.15meters per second



## Water temperature: • 18-21°C

### **Drinkers:**

- - Nipple lines Follow manufacturers recommendations. • Bell drinkers - Provide 2 drinking points per 100 poults, 50% of which are supplementary equipment.

#### **Feeders:**

• Ensure 2 feeding points per 100 birds, 50% of which are supplementary equipment.

#### Litter depth:

- Min 7cm in the Spring/Summer
- Min 10cm in the Autumn/Winter

#### **Light intensity:**

 The light intensity should be 80-100 lux, and this light intensity should be provided over feed and water sources to encourage feed and drinking activity.

### **Feed form:**

Particle Size	<1mm	1 to 2mm	2 to 3mm	>3mm
Starter 1	0-10%	45 - 55%	30-40%	0%
Starter 2	0-10%	25-30%	35-45%	10-15%

Crumb particle size profile

# **1 HOUR** after Poult Placement

After this time, further adjustment of the ventilation, brooder height, brooder temperature, drinkers and feeders may be necessary.

 Check water levels in supplementary drinkers and feed amounts in supplementary feeders.

- EVERY 2 HOURS after Poult Placement
- Careful observation of the poults' behaviour and house conditions every 2 hours will determine which adjustments should be made.
  - Are poults feeding and drinking?
  - Check that supplementary feeders and drinkers require topping up.

Poult behavior: If poult behaviour indicates that environmental conditions are not correct, adjustments to the environment must be made and behaviour re-assessed.



**Environment too cold:** Poults huddle together or under heat source, and may be noisy and distress-calling.





**Environment correct:** Poults are spread evenly and noise signifies contentment.





**Environment too hot:** Poults move away from heat source, are quiet and pant, and head and wings droop.



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