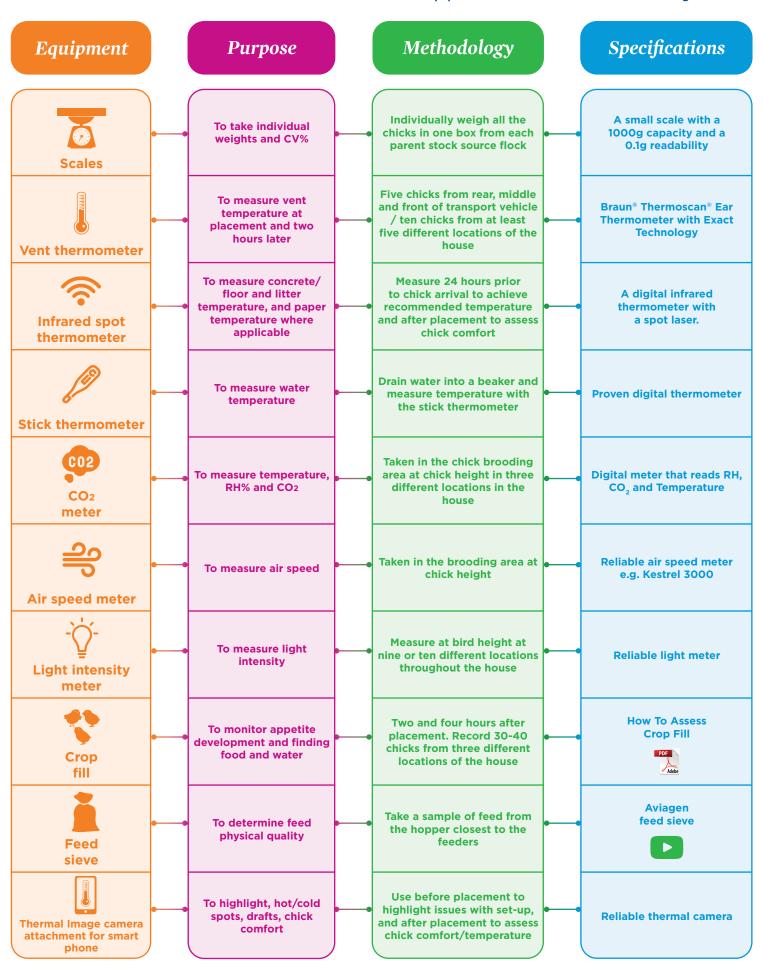


## Equipment for checking brooding set-up

Correct brooding conditions are important for getting chicks off to a good start. You can accurately assess the conditions into which the chicks 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.





# **Monitoring Brooding Check List**



### Chick Placement



- Recommended environmental conditions at placement:
  - Air temperature (measured at chick height in the area where feed and water are positioned):
    - 30°C/86°F for whole-house brooding
    - 32°C/90°F at edge of brooder for spot brooding
  - Litter temperature:
    - 28-30°C (82.4-86.0°F)
  - Vent temperature:
    - 39.4-40.5°C (103-105°F)
  - RH:
    - 60-70%



maximum of 0.15 meters per second (30 ft per minute)



<3000 ppm



dust-free crumble or mini-pellet. A total feed amount of approximately 40 g (1.5 oz) per bird should be measured out and fed on the paper prior to chick placement



18-21°C (64-70°F)

#### Orinkers:

Drinker Type	Broilers	Parent Stock
Nipple lines	12 birds per nipple	12 birds per nipple
Bell drinkers	6 per 1000 birds	8 per 1000 birds
Supplementary	10 per 1000 chicks	12 per 1000 chicks

#### Feeders:

Feeder trays: 1 per 100 chicks for broilers or per 80 chicks parent stock and/or on paper occupying at least 80% of the floor

#### Litter depth:

2-5 cm (0.8-2 in)

#### Light intensity:

- **Broilers:** 30-40 lux (2.8-3.7 fc)
- Parent Stock: 80-100 lux (7.4-9.3 fc) in area with food and water and 1-2 lux (0.09-0.2 fc) in rest of house

#### Feed form:

Particle Size	Crumb/Mini pellet	Mash
> 3 mm	15%	25%
2-3 mm	40%	25%
1-2 mm	30%	25%
< 1 mm	< 10%	25%

### 2 HOURS after Chick Placement



Target crop fill 75% of chicks sampled should have a full crop



Crop fill:

Target crop fill 80% of chicks sampled should have a full crop



Are chicks feeding and drinking?

Do feed and water levels need topped up?



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





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



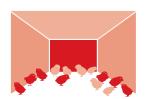




Environment correct: Chicks are spread evenly and noise signifies contentment.







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

