

BROILER MANAGEMENT

Hubbard
YOUR CHOICE, OUR COMMITMENT

BREEDING
FOR YOU
SINCE 1921

BROODING THE CHICKS

Stimulate drinking and eating behaviour from day old



LIGHT

- Uniform lighting.
- Minimum 50 lux during the first seven days.
- Day 1 - day 4: if possible cycles of 3.30h light/30 min dark (or 24h of light)
- Implementation of the lighting program from day 5.



FEED

- 1 feeder for 50 to 70 chicks
- Chick paper on the floor with feed on 40-50% of the surface
- Fresh feed (starter crumbs type), replenish regularly to stimulate appetite
- Check the crops: after 24h, 96% of the chicks should have a full and soft crop
- Removal of chick paper at day 3 or day 4



DENSITY / LITTER

- Density at placement: 25-40 birds/m²
- Preheat the litter (30°C) 24 to 72h before placement
- Flat litter to promote chick activity:
 - 1 to 2 kg/m² wood shavings or equivalent on concrete floor
 - 4 to 5 kg/m² chopped straw or equivalent on ground floor



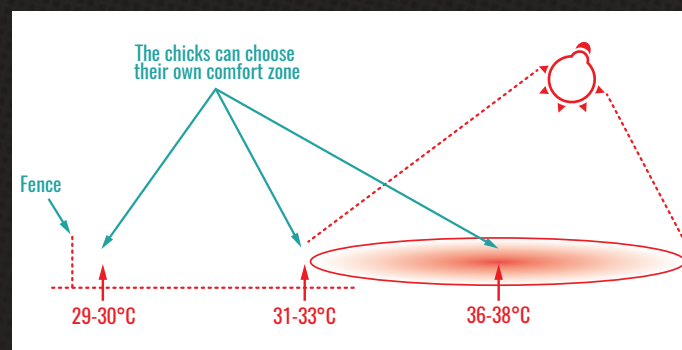
WATER

- 1 drinker for 50 to 70 chicks or 1 nipple for 10-15 chicks
- Fresh water one hour before placement
- Ideal pH is between 5.5 and 6.8 with an optimal Redox potential higher than 600 mV and/or chlorination at the end of the pipe of 0.5 ppm
- Nipples: check the height and pressure
- Drinkers: maximum water level at placement



TEMPERATURE

- Ambient temperature at start: 32-34°C
- Decrease the temperature regularly and progressively to 30-31°C at 7 days



| AGE IN DAYS | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | |
|---------------------|-----------------------------------|--|-------|-------|-------|--|-------|-------|-----------------|-------|-------|-----|-----|-----|-----|-----|-----|
| TEMPERATURE | Under the heaters | 36-38 | | | | 34-36 | | | 32-34 | | | | | | | | |
| | Living area | 32-34 | 32-33 | 31-32 | 31-32 | 30-31 | | | - 0.3°C per day | | | | | | | | |
| | Environment | 30-34 | 30-33 | 30-32 | 30-32 | | | | | | | | | | | | |
| HUMIDITY | % | 45-55 | | | | 50-60 | | | | 50-65 | | | | | | | |
| MINIMUM VENTILATION | m³/kg/hour* | ≥ 1.5 | | | | ≥ 1.4 | ≥ 1.3 | ≥ 1.2 | ≥ 1.1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 |
| EQUIPEMENT | Drinker | 1 round drinker for 50 birds 1 nipple for 10-15 birds | | | | 1 round drinker for 100 birds / 1 nipple for 10-15 birds | | | | | | | | | | | |
| | Feeder | 1 feeder / 50-70 birds + chick paper | | | | 1 feeder for 50-70 birds | | | | | | | | | | | |
| DENSITY | Chicks/m² | 25-40 | | | | 25-35 | | | | | 15-25 | | | | | | |
| LIGHT PROGRAM** | Broilers under 2kg Liveweight (h) | 6 X (3.5h light + 30 mn dark or no artificial light) | | | | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | |
| | Broilers over 2kg Liveweight (h) | | | | | | 20 | 20 | 20 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| | Intensity (lux) | 50 | | | | | 40 | | | 35 | 30 | 25 | 20 | 15 | 10 | | |

* The minimum ventilation rate could be much higher than the figures shown in the table if the chicks are placed on built-up litter (ammonia release from the litter) or under hot and humid climate.

** Please refer to local legislation first

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