

# 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/m<sup>2</sup>
- Preheat the litter (30°C) 24 to 72h before placement
- Flat litter to promote chick activity:
  - 1 to 2 kg/m<sup>2</sup> wood shavings or equivalent on concrete floor
  - 4 to 5 kg/m<sup>2</sup> chopped straw or equivalent on ground floor



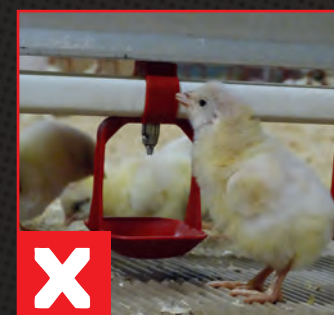
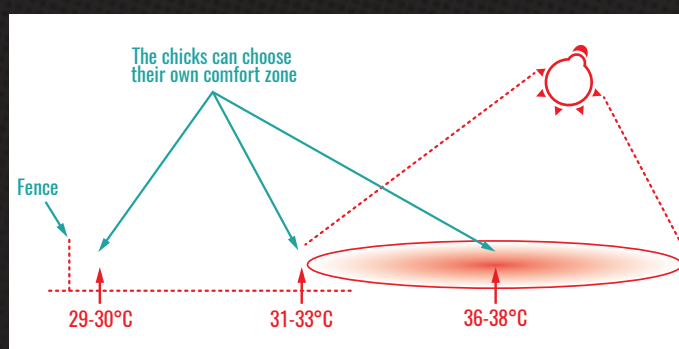
## WATER

- 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	m <sup>3</sup> /kg/hour*	≥ 1.5				≥ 1.4	≥ 1.3	≥ 1.2	≥ 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/m <sup>2</sup>	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	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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