Hatchery Talks

Providing an optimal start at the broiler farm

Introduction

CIQ consultancy
CHICKEN. INNOVATION. QUALITY.

Conny Maatjens PhD

Hatchery Talks

Incubation

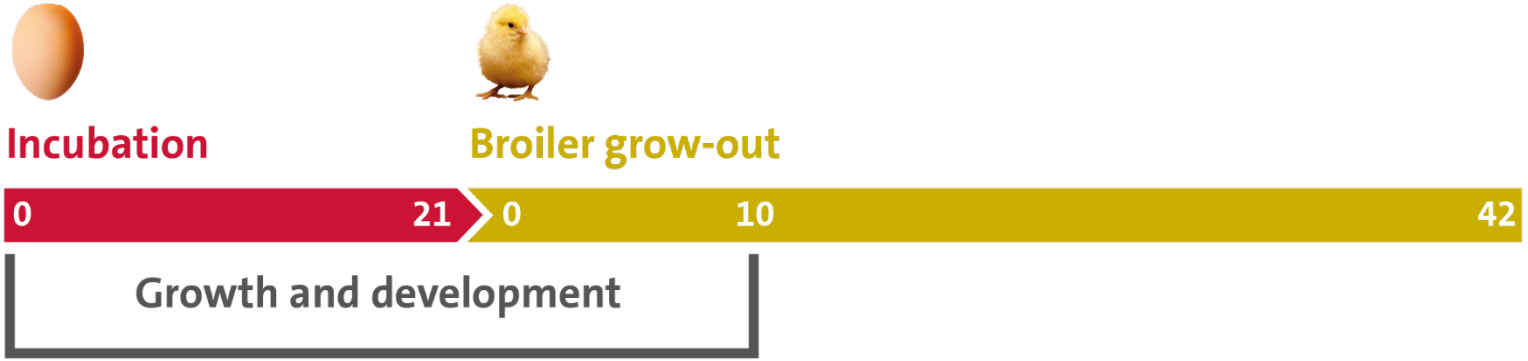
Incubation

Healthy DOC

Poultry supply chain

Optimal incubation
Broiler management

Foundation for performance



Optimal incubation

- Incubation controlled by temperature
- Egg shell temperature
- EST 100°F (37.8°C)
- Energy for growth and development
- Express genetic potential

Optimal incubation

- **Yolk main energy source**
- **Vital, energetic DOC, with high YFBM**
- **Temperature of major importance**

  …during storage, transport, and at farm arrival
- **Role of CO_2**

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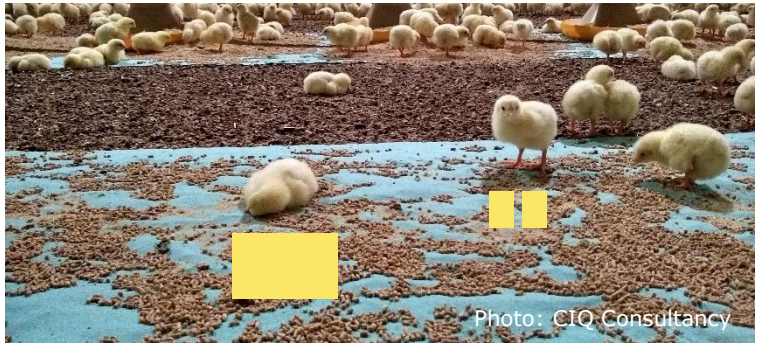
Broiler grow-out

Growth potential

- **Important developmental and physiological processes**
  - Digestive system
  - Immune system
  - Thermoregulation system
- **Optimal environmental temperature**

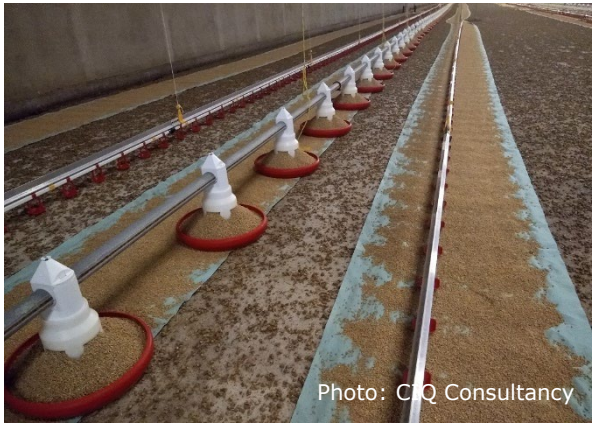
Essentials for an optimal start

- Brooding (air)temperature
- Body temperature 105°F (40.6°C)
- Floor temperature



Essentials for an optimal start

- Litter type
- Feed and water availability
- Light schedule
- Ventilation



Hatchery Talks

Take-home message

Take-home message

Deliver optimal DOC quality

- **Optimal incubation to support growth and development**
- **Support remains necessary at broiler level**
- **Optimize basic principles and processes to contribute to improvements**

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