

# POSITION

Given the widespread consumption of antibiotics in both humans and animals, we decided to be **proactive** and to **be part** of the **SOLUTION**.

The poultry industry has successfully **implemented strategies** to dramatically **reduce** the use of **ANTIBIOTICS**.



# APPROACH

**PREVENTION** throughout the whole and fully integrated supply chain.

We built a **voluntary** and **science-based** plan to **REDUCE THE USE OF ANTIBIOTICS IN LIVESTOCK** farms, unique in the Italian livestock sector

# THE PILLARS

1. Healthy and resistant bacteria free breeders;
2. Sustainable farming environment;
3. Nutritional aspects and water quality;
4. Targeted and appropriate therapies in case of diseases;
5. Improvement in structures and management.

# COMMITMENTS

- Develop and consolidate a preventive approach;
- Respect biosecurity and animal welfare;
- Continuous training;
- Ban for antibiotic prophylaxis in hatchery and farming;
- Ban for Cephalosporins of 3rd and 4th generation;
- Preference for narrow-spectrum antibiotics;
- Use of CIAs as a last resort.



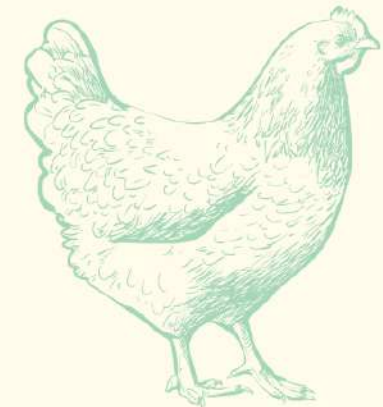
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**Respect  
biosecurity and  
animal welfare**

Hands- on training for farmers and veterinarians to fight AMR

# ANTIBIOTICS REDUCTION IN THE ITALIAN POULTRY SECTOR

Recommendations  
and tips



# BREEDERS

- C&D procedures;
- Avoid stress factors;
- Nutrition and feed management;
- Nests: quality hatching eggs is primarily a clean egg;
- Reject floor eggs.

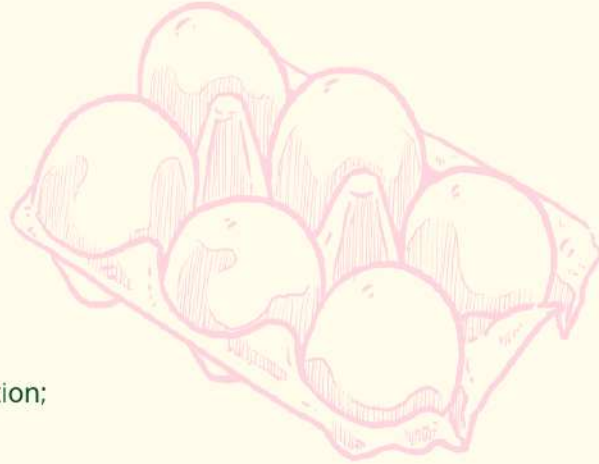
# HATCHERY

- Work flow: Clean/dirty areas separation;
- All in all out setters /hatchers;
- Incubation batch based on:
  - flock age
  - holding time ( avoid >10 days )
  - egg Sanitation procedure
  - perfect monitoring of gas exchange  $T^{\circ}$  + Rh

**Healthy and resistant bacteria free breeders**

# DAY OLD CHICKS

- Avoid long hold time shipment;
- Vaccine application: GMP;
- Strict hygienic rules on trolleys, boxes, truckload, and unload procedures.



# FATTENING FARMS

- All in all out;
- C&D procedures;
- Brooding area preparation:
  - fresh deep litter
  - feed papers
  - floor temperature
  - strict biosecurity measures



# ENVIRONMENTAL CONTROL

- Ventilation rate in tunnel ventilation is crucial;
- Heating system based on hot air generator (for better control of relative humidity and so litter quality);
- $T^{\circ}$ , Rh, ammonia e  $Co_2$  to be integrated into automatic environmental control equipment to set the ventilation rate, especially in the first 14 days.

# NUTRITION

- Enhance gizzard and intestinal development early in life;
- Stimulate the early development of a healthy gut microbiome;
- Minimize contamination and development of pathogenic bacteria and protozoa.

