

MEASURES

- 1** Implementing hygiene and biosecurity measures;
- 2** Preparing clear protocols for communicable disease prevention and infection control and hygiene;
- 3** Limiting the transport of animals, reducing transport time and ensuring that recommended animal population density is adhered to;
- 4** Zootechanical treatments to minimize disease and reduce antimicrobial use;
- 5** To take effective preventive measures and monitor their susceptibility to pathogens at herd level with the aim of ensuring evidence-based antimicrobial use in herds in line with prudent use.



MEDICATED FEED

- Prohibition of the use of antimicrobials as prophylaxis and growth supplements in medicated feed.
- Compliance with a **veterinary prescription**
- Appropriate drug **delivery system**
- Distribution homogeneity** of the drug
- Safe and clean** storage of medicated feed.



ANTIMICROBIAL RESISTANCE IN POULTRY



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AMR



is the process of microorganisms becoming resistant to antibiotic treatment.

- Used drugs are becoming less effective, meaning more deaths and more complications during treatment.



It is estimated that by **2050** AMR will cause more deaths than cancer.



33,000

deaths per year in the EU

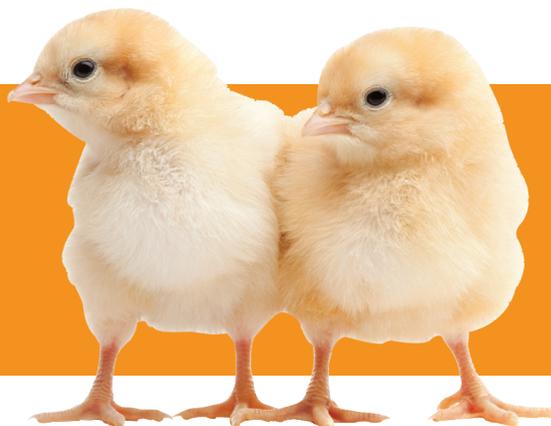


1.5 billion Euro

loss per year in health and production

CORRECT IMPLEMENTATION ACTIVITIES

- Avoiding prophylactic and mostly more than one group drug administration in birds, which is mostly applied before and after one-day old chick transport.
- Hatcheries should keep records of antimicrobial use in eggs.
- By maintaining good hatchery hygiene and good management, antimicrobials should not be routinely used when day-old chicks arrive on the farm.
- Vaccine management should include measures to eliminate the stress response.
- Antimicrobial use should be avoided in non-communicable diseases with limited secondary infections.
- Antimicrobials should not be used as a special method in the fight against *Salmonella* in poultry.



FACTORS AFFECTING THE FORMATION OF RESISTANCE



Use of **antibiotics** only with a veterinary prescription

- Antibiotics cannot be used in healthy animals for protection purposes.
- Antibiotics cannot be used to accelerate growth and increase yield.



Antibiotics should only be used on **sick animals.**



Need for treatment.

Compliance with dosage and duration of treatment.



Appropriate withdrawal period.

Documentation of treatment.