

# Feed and Water Hygiene

Reduce pathogens in your feed even in the absence of formaldehyde and reduce pathogen-associated biofilm formation in your water lines.



**DSM**

BRIGHT SCIENCE. BRIGHTER LIVING.

## The importance of feed and water hygiene in poultry

- Feed and water are essential parts of poultry rearing, however they can also transport pathogens such as *E. coli*, *Salmonella* into poultry houses.
- Pathogen growth in drinking water lines could result in limescale and biofilm build up, resulting in constant pathogen presence as well as clogging of water lines.
- Clean feed and water reduce the likelihood of food safety contaminants, which can reduce the need for final product recalls and managed brand reputation.
- Therefore, the need for poultry production are:
  - ▶ Finding effective alternatives to formaldehyde as a feed hygiene strategy
  - ▶ Reducing biofilms and the environmental impact in water lines through a drinking water hygiene strategy

## Feed and water hygiene portfolio offering

We offer a comprehensive feed and water hygiene program, by evaluating the quality of raw materials, feed, and drinking water, identifying risks along the production chain, and enact specific hygiene practices as needed.

- Adding an **enhanced acidifier** can reduce the level of pathogenic bacteria such as *E. coli*, *Salmonella* in the feed and water. It acts by inhibiting pathogen growth while preventing limescale and biofilm build up, without interfering other additives or supplements.
- Ensuring the quality of feed by monitoring the presence of mycotoxins and an objective threat assessment. Adding a **mycotoxin deactivator** in the feed depending on the risk can help to have a comprehensive coverage.
- Testing the feed and water for pathogens is important to understand pathogens going into the farm, but we must also look at contamination in the birds and environment. Using **blood biomarker modeling** can help with early detection of health issues and nutritional imbalances, allowing you to take immediate action.
- Similar to monitoring the bird health, the environmental footprint can be calculated for **sustainability measurements** to understand the outcomes of your feed and water hygiene program.

### Biotronic® Top3

The breakthrough in pathogen control! The Permeabilizing Complex™ blend in Biotronic® Top3 weakens the outer membrane of Gram-negative bacteria, of its components, the organic acids and the phytochemical.

### Mycofix®

The Mycofix® portfolio is the most state-of-the-art solution for protecting animal health by deactivating mycotoxins that contaminate poultry feed.

### Sustell™

Sustell™ is an intelligent sustainability service that combines the most advanced environmental foot printing calculation tool with expert sustainability, animal production and nutritional knowledge.

### Verax™

Harness the power of data to get a deeper understanding of the overall health, productivity and welfare of your birds.