

Test report on the feedlot in a chicken farm

In cooperation with one of the largest Polish chicken farms, we have been working on the changeover of the hygiene concept since September 2020 through the integration of Planet products and our expertise in the field of hygiene in animal husbandry.

The changeover of the hygiene concept or the integration of the Planet products aims, in the interest of the farm owner and his customers, to dispense with petrochemical interventions in the fattening cycle and the cleaning and disinfection.

So far, only chemical products have been used which, among other things, disinfected the chopped straw for the litter and were placed on the straw in the form of disinfected paper to enable the young chicks to walk better. This approach is common for the first few days after the chicks hatch. By switching to the Planet products, the following advantages for the breeder and rearing have been recorded so far:

- Shorter cleaning times.
- Control of harmful pathogenic loads (viruses and bacteria) during the fattening period between 39 and 42 days.

Due to the unnecessary hazard labels for the Planet products, the cleaning and disinfection process is harmless for both the animals and the cleaning staff.

On average, time savings of 3 hours for the cleaning time and 6 hours for the disinfection time could be achieved in each stable with a size of 2700 m². In total, a time saving of 9 hours could be achieved for each stable.

A characteristic to be emphasized for the Planet products is the removal of biofilms in the drinking water supply, which was not possible before.

In order to make the cleaning process even more efficient, the high-pressure cleaner was used for areas above 2 m and the low-pressure washer for areas below 2 m. The manual cleaning took place, for example, when cleaning the food bowls.

The low pressure cleaning of the areas below 2 m enables a longer exposure time and better cleaning results. The use of the high-pressure cleaner above 2 m is suitable due to the difficult accessibility of the upper surfaces. The low pressure cleaning promotes effective cleaning due to the longer sticking time of the cleaner on the heavily used areas below 2 m of the stables.

After cleaning was completed, the product Planet Strong was used to disinfect the entire stables. In addition to the stable area, the fans and lamps were also disinfected in order to achieve extensive disinfection of the components in the stalls. The previously cleaned feed line was then also disinfected with Planet Strong.

For sustainable hygiene, the following applications were also initiated for the fattening operation:

- Nebulization of Planet Strong in low concentrations 3 to 4 times a week for about 2 minutes.

The nebulization has the following advantages:

- Significant reduction in the spread of viruses, germs and mites in the plumage of chickens
- Improvement of the climate in the stables
- Reduction of the ammonia odor in the air

Please note:

If bird flu is rampant in your area, we recommend adjusting the nebulization to one minute a day, which can directly reduce the viral load in the form of aerosols to a large extent. In addition, a very low concentration of Planet Strong should be added to the drinking water.

The sewer system and the wastewater tanks in the hen house were also cleaned and disinfected, which means that we can finally record the following effects upon completion of the test phase:

- Faster and more effective cleaning and disinfection
- Reduced vacancy in the chicken coops, as no chemical odours and residues have to be ventilated
- Increase in fattening cycles from 6 to 7 a year
- Elimination of antibiotics in the feed thanks to additional nebulization and the addition of Planet Strong to the drinking water
- Probiotics are still recommended
- Better climate in the stable (reduced ammonia concentration in the breathing air)
- 20-35% low mortality rate of chickens during fattening

If cleaning and disinfection are carried out properly and if the quality of the feeding is uniform, the slaughter weight can be increased by 2.5-5% compared to conventional treatment and disinfection in the hen house.

With consistent and professional use of Planet products, the drinking and cleaning water can be disposed of via fields at a neutral pH value. For this purpose, a certificate of the wastewater must be drawn up, which, if the criteria for wastewater from animal breeding are not met, can avoid disposal via sewage plants.

By eliminating antibiotics and petrochemical disinfectants, a higher price per kg can be achieved for the sale of the fattening animals under normal market conditions. The chickens can be described as so-called “village chickens” under the heading “Rearing without antibiotics and disinfection of the barn without harmful petrochemicals”.

Due to the reduced ammonia content in the chicken manure, this can increasingly be passed on to the operator of a biogas plant. The elimination of residual chemicals from the petrochemical products also leads to less destruction of the bacteria that are responsible for the biomass degradation processes in the biogas plant. The choice of Planet products for disinfection also protects your building fabric thanks to the lack of aggressive alternative products.

Further Information:

Our specialists work with you to develop a hygiene concept for the cleaning and disinfection processes. Furthermore, your employees or the cleaning companies you have commissioned will be made familiar with the jointly developed hygiene concept. In addition, we will be happy to support you on an ongoing basis in close cooperation and carry out follow-up training or corrections. Our specialist will be constantly on site when converting the processes to the new hygiene concept and will go through all work steps with your employees. This service is free. In the event of unforeseeable problems, one of our specialists will endeavor to be on site within 72 hours and to resolve the problem.

General Information:

All products we use are tested and EU certified.
We gladly provide these certificates on request.

Costs:

The costs of the Planet products, which bring the advantages mentioned by us, amount to around PLN 1450 to PLN 1950 net for chicken coops with a size of 2500 m² to 3000 m², which corresponds to around € 315 to € 425 net. These prices serve as a rough estimate and may have to be adjusted after viewing the conditions on site.

Our conclusion:

Hygiene and prevention on a natural basis always pay off.

Our offer:

We do not charge a higher price for the use of our products including our services than for the pure product sale.

We stand for a conscious and resource-saving use of products for the environment, from the environment. In this way, our customers should benefit ecologically and economically from our products.