

# **Evaluation of the homogeneity of medicinal feeds in the area monitored by the Veterinary Hygiene Institute in Olsztyn in 2018-2019**

## **Summary**

There are many considerations in favour of the use of medicinal feed, including the fact that it is produced on the instructions of a veterinarian, which is a guarantee of full control, and that it is highly convenient (especially for large flocks). Antimicrobial substances should be evenly distributed throughout the feed so that it has a homogeneous structure. This is why it is so important to assess medicinal feeds in terms of homogeneity. Medicinal feeds must be homogeneous so that the animals consume the right amount of antibiotic, thus ensuring their health. The aim of this study was to assess the homogeneity of medicated livestock feed in 2018-2019 in the area monitored by the Veterinary Hygiene Institute in Olsztyn, as an indicator of their correct use. The species of animals for which medicinal feeds were most frequently evaluated were determined as well. The research material consisted of feed samples evaluated based on official inspection by the Voivodeship Veterinary Inspectorate in feed production plants and on privately commissioned tests. The evaluation of homogeneity of medicated feeds in the years 2018-2019 in the Warmian-Masurian Voivodeship was based on data from the Veterinary Hygiene Institute in Olsztyn. Medicinal livestock feeds evaluated for homogeneity by the Veterinary Hygiene Institute in Olsztyn in 2018-2019 were found to be of good quality. The most frequently evaluated feeds were those intended for pigs and poultry. It is recommended that quality control of medicinal feeds should be continued in order to maintain the highest possible level of food safety throughout the production chain.

**KEY WORDS:** medicinal fodder, homogeneity, poultry, pigs