

The development of effective preparation for extermination of red mite in laying hens based on nitisinone derivatives. The positive aspect of the new product is the different mechanism of action compared to the commonly used fluralaner product, which prevents possible cross-resistance. The intention is to increase bioavailability, which can reduce the total amount use of active substances while the same efficacy is maintained, which has positive effects on the environment and its lower burden, lower toxicity to hens and lower potential risk for humans. Higher bioavailability is achieved by using a suitable nitisinon derivative and its sustained release in laying hens organism. This technology is unique and innovative in the production of drugs. These facts contribute to greater competitiveness.