

## Summary

The ecological feeding interaction between *arthropods* and pathogens causes damage of stored plant commodities for human food and animal feed. This damage leads to loss of quality and quantity of stored products. The stored commodities are inhabited by microscopic fungi and various bacteria. These moulds are producing mycotoxins. The bacteria in stored products include human pathogens and also bacteria which are able to transfer the genes of antibiotic resistance. Fungivorous *arthropods* are able to distribute them to the new habitats and indirectly influence mycotoxin contained in stored food. They also disperse some bacteria of pathogenic influence on human or bacteria able to transfer genes of antibiotic resistance in stored plant commodities. The study summarizes possible risk effects of microbial and *arthropods* pest interaction to human.