Poster Session 1 - Rodent Management

37 Regional rodent control approach in a countryside in Germany: fostering synergy effects between participating players

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Commensal rodents cause numerous damages on agricultural operations. Most importantly rodents are carriers of various pathogens that cause human and animal diseases. The control of neophobic rodent populations is therefore common and widespread. Different studies show the importance of pest control strategies in regard to bait station sides, development of resistances against anticoagulant rodenticides as well as collaboration of farmers and Pest Control Operators (PCOs). The aim of the current study is to enhance the effectiveness of pest control measures by applying a comprehensive control of rodent pests in a countryside in Germany. It is known from preliminary analyses, that the participation of farmers to pest control measures can be increased by start-up financing. Therefore, in the current project, the financial contribution of the North Rhine-Westphalian Animal Disease Fund (TSK) will provide incentives to comprehensive pest control measures of commensal rodents in an area of high densities of livestock farming of all kind by PCOs. Indirect monitoring of rodents at the beginning, during and after pest control measures should give information about the colonization of various structures (different livestock farming, communal enterprises and others) with rodents, and their associated pathogenic micro-organisms (viruses, bacteria, parasites). Furthermore, it is part of the project to survey the aspects of the start-up financing and intensive involvement and consulting of all parties on the willingness to participate in the project, as well as active compliance during the program by standardized interviews with farmers and PCOs. To increase long-term implementation of pest control, the intention is to identify supporting and inhibiting factors of implementation practices. Thereby, the regional approach should enhance positive effects of control measures beyond efforts on individual operations. Finally, the synergetic aspects in the guidance of farmers will lead to a decrease in rodent populations in livestock farming thereby preventing enzootic diseases in farm animals in Germany.

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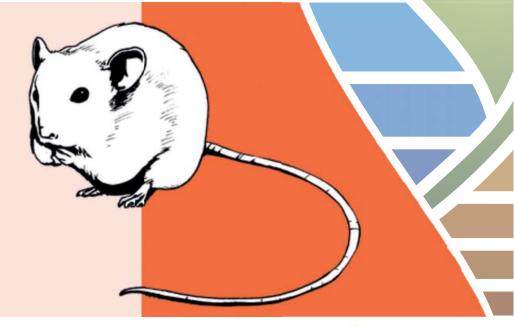
Jens Jacob, Jana Eccard (Editors)

6th International Conference of Rodent Biology and Management and

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Book of Abstracts







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