

## DERATIZATION - ONE OF WAYS OF WARNING OF DISTRIBUTION OF PARASITOSISS

*T. V. Mazur*

National University of Life and Environmental Sciences of Ukraine  
16, Polkovnika Potehina str., Kyiv, 03041, Ukraine

Gray rat, house mouse and mouse-vole - a real army, which is a significant threat. Along with high vitality and fruitfulness rodents have quite a developed intellect, the ability to share with relatives and skills obtained information, the ability to quickly adapt to environmental changes. Particular attention is attracted by the unique properties of the body to recognize rodent poison, and then adapt to them. This ability has made the problem of dealing with them in the global. Since the 40s of the last century the great popularity gained anticoagulated blood. In the body in small amounts, they do not cause symptoms of poisoning. Their toxicity increased with repeated ingested. The accumulation of poisons causing blood clotting, increased permeability of blood vessel walls and numerous hemorrhages, causing the death of animals. Widespread use of anticoagulants dramatically increased the efficiency of combating rats everywhere.

After a few years of use baits based warfarin give a temporary effect. The use of other anticoagulants these places also gave temporary success. Rodents survivors gave offspring with increased resistance to these poisons. Then came the new ratytsydy - second-generation anticoagulants: brodifakum and bromadiolone. Their peculiarity is that the lethal dose is contained in a little bait, which is eaten rat at a time, which eliminates future alertness. To investigate the use of rodenticides brodifakum group. Investigated bait laid on the principle of zoning consideration cultivated areas. Zonation areas shared by two perimeters. First - the zone fence, fence and so on. The second - the area of the outer wall of the room. One of the advantages bait "Death rats" is that it does not cause acute food poisoning because rodents can not determine the cause of sickness and warn the population about the danger. Production involves the use of bait Rodenticide II-generation - brodyfakuma 0.25%, the production of "Dr. Tezza", Italy. Action bait is on the 3 - 4 days and is expressed in the fact that rodents suffer from asphyxia due to tissue damage vascular system, leading to internal bleeding. 4 - 8 th day following the death of animals. As a result of asphyxia rodents out of hiding and not die in burrows or under floors, and outdoors in public places. This action reveals lure of dead rodents, corpses that need to be destroyed. Original

Physical form has no analogues in Ukraine and Eastern Europe. The main advantage of bait "Death rats" is its attraction for rodents. "Death rats" is an environmentally friendly product, its use does not harm the birds, the bees, thus acting against rodents. Bait "Death rats" but not the first used in private households as well as large enterprises. Due to the fact that for a number of industries, disinfestation an integral part of preservation or production safety, decoy "Death rats," was significant for a number of enterprises only efficient and effective way to combat rodents.

**Keywords:** DERATIZATION, RATS, RODENTICIDIS, PARASITOSISS.