Root Causes and the Ways of Rodent Outbreaks Control: A case study

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Abstract

Due to their special environments, rural areas are susceptible to rodent outbreaks. Extensive

damage to agricultural produce, equipment and buildings on the one hand and outbreaks of

zoonotic diseases on the other are among the health and economic impacts of a rodent outbreak.

Failure in controlling such events may even result in social issues, such as, village abandonment

and mass migration to suburban areas. One such rodent outbreak occurred in 2015 in a village of

Torbat Heydariyeh County, Razavi Khorasan province. This report explains both the root causes

of the event as well as the efforts which resulted in the control of the outbreak within a couple of

weeks.

Keywords: Passive defense, Torbat Heydariyeh, Rodent outbreak, Environmental management