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Interactions between pest control measures and affects on managing sugar beet root rots

Abstract: Crop production is constrained by a number of issues, including weeds, plant diseases, and insect pests. Integrated pest management involves monitoring and coordinating management of these various factors that can impact crop production to provide the least possible damage to the entire system. While extensive research has been done in various fields about impacts of different cropping systems on yield, relatively little has been done on the interaction of these systems and pest control. In addition, there has been limited research between different pest management groups about the impacts of varying practices on other important pests in the cropping system. As root rot has recently been identified as the number one disease issue for sugar beet production in the United States and is becoming an increasing issue in Europe and Asia, a better understanding of how different aspects of the cropping system and measures to control other pests is needed to help in managing root rot.