Abstract

Agriculture in India is aimed towards increase of productivity and food quality at reduced expenditure and with increased profit. The damages of crops caused by various diseases are increasing rapidly. In India, Tomato is one of the largely produced crops which come third in the production and is being used on a frequent basis by the people in their daily food consumption. Borer is the insect which affects the tomato in early stages. So, proper measures need to be taken at early stages to fight against them while minimizing the use of pesticides. The major challenge in agriculture field is early pest detection. In the proposed system, an attempt has been made to develop software for pest detection on the infected tomato. In our project, we
capture the image of tomatoes and give it as an input. The input image goes through several stages to detect the number of borers, so that minimum amount of pesticides can be used.

References


Index Terms

Computer Science
Image Processing
Keywords

Early pest detection, image processing, feature extraction, tomato, borer