

AN IDENTIFICATION OF WHEAT RUST DISEASES IN DIGITAL IMAGES:A REVIEW

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ABSTRACT

In this review, we are trying to identify the rust diseases of wheat crop in digital images. Although wheat, like all other cereals, is attacked by large number of plant pathogens, the rust fungi are considered to be the most destructive among them. Wheat in India is attack by all three rusts, namely, black or stem rust, brown or leaf rust and yellow or stripe rust. The annual loss due to diseases is more than 50 percent. After collecting all the details, we are trying to identify wheat rust diseases by taking its samples. On the basis of these samples, we train fuzzy-neuron network and by using some image processing or sequential techniques to prevent wheat crop from heavy losses in production of crop and yield losses at early stages of diseases occurrence.

KEYWORDS: Wheat Crop Samples, Fuzzy-Neuron Network, Rust Diseases, Clustering, etc