

4. CONCLUSION

In this thesis a decision tree approach using thresholding and reflectance ratio for identification of yellow rust has been developed. MATLAB has been used as a programming environment for developing the system. This thesis provides a new approach in the field of automatic yellow rust disease detection in wheat crop for images taken from hostile environment and from web in which problem of resolution, orientation, size of image have been addressed. Already existing techniques and approaches have been surveyed and analyzed. Then a new approach based on decision tree and thresholding algorithm has been implemented to develop a Yellow rust disease identification system in wheat crop. By observing the results taken in various conditions, we can say that the proposed method is good for identification of yellow rust disease in wheat leaves, where the disease can be easily recognized.

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