

Abstract

Agriculture is the primary source in providing food for entire world. Greater than 45% of the world and 70% of the Indian Population relies on agriculture for its livelihood. Around 50% of loss in crop yield is reported due to pests and diseases. Wrong selection of crop leads to soil infertility as well as crop failure. Early prediction of diseases can save crops. Our project presents state-of-the-art models to predict suitable crop from minimum number of environmental features with an accuracy of 97.05% and to predict disease with minimum number of parameters with a maximum accuracy of 93.61%.