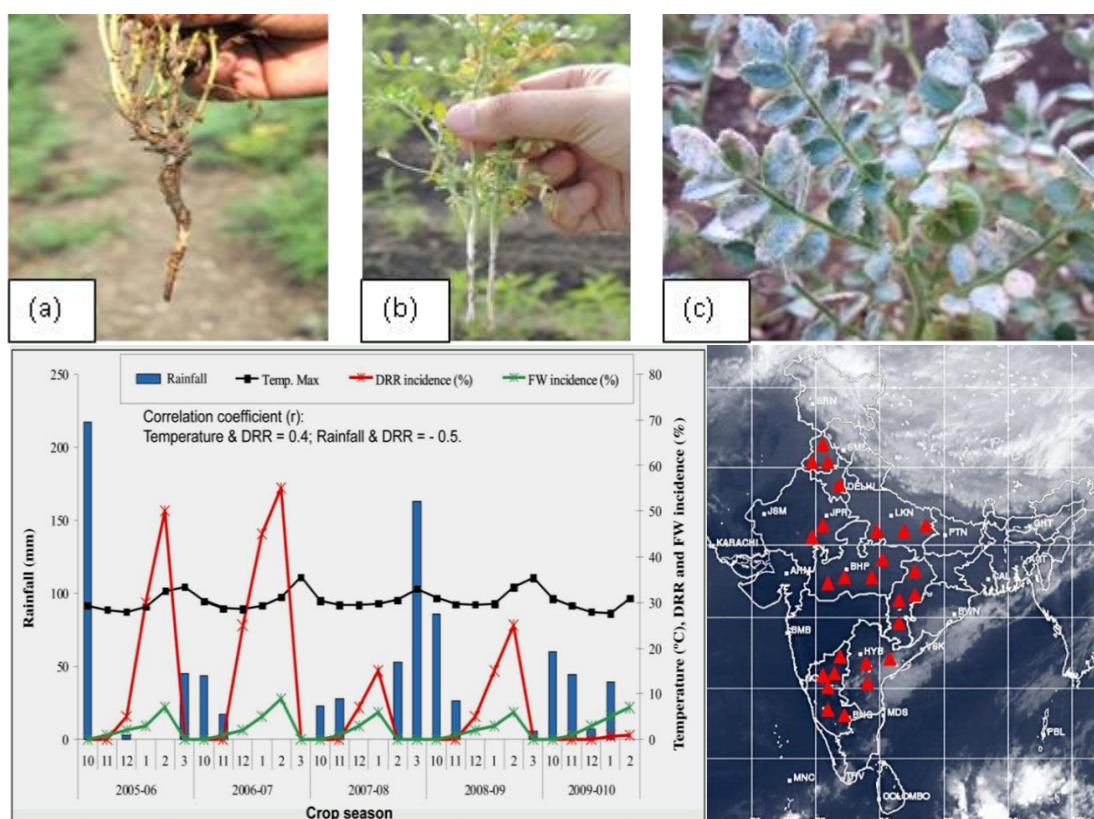


# CLIMATE CHANGE AND PEST CONTROL

## Indian Council of Agricultural Research

A major project conducted in the centre focused on effect of climate change on disease and insect-pest problems of two most important legumes - chickpea and pigeon pea under rainfed conditions in India. The primary aim of this project is to understand the effects of climate change on the relative abundance and diversity of insect-pests and pathogens across geographical regions, pest × host plant × environment interactions, and its influence on insect-pest and diseases incidence and extent of losses due to biotic stress.



**Emerging Diseases in Chickpea (A) Dry Root Rot (B) Collar Rot (C) Powdery Mildew  
Weather Data and Dry Root Rot Disease in Chickpea and Map Showing Current  
Distribution of Dry Root Rot in India**

The major outcomes of this project is the development of methodologies that will be required to quantify the information on emerging pest problems, their geographical distribution, and severity and damage, effect of climatic changes on expression of resistance to insect-pests and pathogens, select varieties that are resistant to diseases and insect-pests across environments, and reduce pesticide application for a safer environment.