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**EFFICACY ON INTEGRATED MANAGEMENT OF GARLIC
(*ALLIUM SATIVUM L.*) DISEASES USING PLANT EXTRACT COMBINATION
WITH BORDEAUX MIXTURE**



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ABSTRACT

Saprophytic pathogen was found on various varieties of Garlic hence the isolates of saprophytic pathogen were tested against Bordeaux mixture, integrated disease management of diseases have been emphasized now a day's hence plant extracts alone and in combination Bordeaux mixture, were used for management of Garlic bulbs caused by resistant mutant as Saprophytic pathogen Altogether 10 plant were selected for this study .it was observed that individually all the plant extract showed PCE on the Garlic bulbs. This PCE was higher due to It was found that Justicia adhatoda (76.46%), Alternanthera sessilis(73.29%) and Annona reticulate (60.32%) showed the more percent of disease control efficacy against Colletotrichum circinace, Bauhinia racemosa (78.16%) control efficacy against Alternaria porri, Ipomoea fistulosa (73.16%) showed the more

percent of disease control efficacy against Aspergillus niger, Phyllanthus amarus (75.56%) efficacy against Aspergillus flavus, Caesalpinia bonduc and Cassia obtusifolia showed the less percent of disease control efficacy against selected fungi. The combination of plant extracts and fungicide gives strong ability of controlling against pathogenic fungi like Alternaria porri, Aspergillus niger, Aspergillus flavus, Colletotrichum circinace, Fusarium oxysporum and Penicillium corymbiferum more than 92%.

KEYWORDS

Saprophytic pathogen, Plant extracts, Bordeaux mixture, Garlic bulb rot.