



Review Of Research



SURVEY OF POST HARVEST PATHOGENS OF BANANA

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ABSTRACT

Banana is most popular fruit due to its nutritive value. During storage, transport and marketing banana deteriorates due to microbial attack. Survey of post harvest pathogens infecting banana (*Musa paradisiaca* L.) from different localities was carried out. The pathogens such as *Aspergillus niger*, *Gleosporium sp*, *Fusarium oxysporum*, *Alternaria altrnata*, *Curvularia lunata* were isolated from the fruits.

KEY WORDS –Fungal rots, banana.

INTRODUCTION -

In India banana is a popular fruit due to its nutritive value. Banana is high source of carbohydrates and it is rich source of vitamins. In Maharashtra banana is grown as cash crop. The present paper deals with survey of post harvest pathogens of banana from different localities of Maharashtra.

MATERIALS AND METHODS ----

Fruit samples of banana were collected from different fruit market and surrounding fields. They were brought to the laboratory. The pathogens were isolated from the infected tissue by using Martins Rose Bengal Agar & Czapek Dox medium. The pathogens were purified by sub culturing on the Czapek Dox agar slants.

RESULT AND DISCUSSION ---

The survey of fruit markets showed loss of banana due to fungal rots. The following Table shows pathogens isolated from different places. Out of fungi isolated *Fusarium Oxysporum* showed frequently occurrence. Earlier reports show fungal rots of banana from different parts of World.

Table showing different localities and pathogens isolated from banana Fruits

Sr.No.	Locality of Market	Pathogen isolated
1.	Osmanabad	<i>Aspergillus niger</i>
2.	Aurangabad	<i>Aspergillus niger</i>
3.	Osmanabad	<i>Alternaria altrnata</i>
4.	Aurangabad	<i>Curvularia lunata</i>
5.	Aurangabad	<i>Fusarium oxysporum</i>
6.	Osmanabad	<i>Fusarium oxysporum</i>
7.	Solapur	<i>Fusarium oxysporum</i>
8.	Ahmadnagar	<i>Fusarium oxysporum</i>
9.	Pune	<i>Fusarium oxysporum</i>
10	Baramati	<i>Fusarium oxysporum</i>
11.	Latur	<i>Fusarium oxysporum</i>
12.	Nanded	<i>Fusarium oxysporum</i>
13.	Jalana	<i>Fusarium oxysporum</i>
14.	Kholapur	<i>Fusarium oxysporum</i>
15.	Jalagaon	<i>Fusarium oxysporum</i>
16.	Aurangabad	<i>Sclerotium rolfsii</i>
17.	Satara	<i>Gleosporium species</i>
18.	Aurangabad	<i>Rhizophus species</i>

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