PK 1 questions

Discipline “Molecular biochemical markers related to disease resistance”

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1. Discipline “Molecular biochemical markers related to disease resistance” is one of the important part of Plant Pathology
2. Objectives of Plant Pathology
3. Disease & Disorder of plants
4. Plant Pathogens
5. Classification of plants diseases
6. What is a Disease
7. How Pathogens affect Plants?
8. Biochemical markers as a useful tool to identify of plants resistance to pathogen
9. How Pathogens affect Plants?
10. Methods of extraction and determination of phenols as biochemical markers related to disease resistance
11. Gene for Gene Concept
12. Genetic and physiological evidences elicitor-receptor models
13. What is a Elicitors of pathogens
14. Recognition of pathogen
15. The perception of pathogen”s signals
16. Steps of Signal Transduction
17. Cyclic adenosine monophosphate (cAMP)
18. Mitogen-activated protein kinases (MAPKs)
19. Secondary messengers in plants to transmit the primary elicitation signal of pathogen and/or host.
20. Ethylene as the secondary messengers in plants of transmition of signal pathogens
21. Methyl Jasmonic and Jasmonic Acid as the Secondary Messengers in plants of transmition of dignal pathogens
22. The quality of resistance gene in the host
23. The protein for protein hypothesis of gene for gene Concept
24. The practical use of gene to gene relationships