

Phosphate Nutrition in Relation to Growth of *Colletotrichum capsici* Causing Leaf Spot of Turmeric

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Abstract: *The present investigation deals with the effect of three phosphate sources on the growth of Colletotrichum capsici causes the Leaf spot of Turmeric(Curcuma longa L.)belongs to family Zingiberaceae.The turmeric is an important spice in South Asian and middle Eastern cuisine. Each microorganism requires proper nutritional source for their growth .The nutritional source (phosphate sources) like ammonium dihydrogen orthophosphate, potassium dihydrogen orthophosphate and sodium dihydrogen orthophosphate were used against the pathogen. In the result it was found that 0.1% concentration of ammonium dihydrogen orthophosphate and sodium dihydrogen orthophosphate reduced the growth while potassium dihydrogen orthophosphate stimulated the growth of Colletotrichum capsici.*

Keywords: Colletotrichum capsici, phosphate nutrition, Curcuma longa