

Efficacy of phytoalexin against *Fusarium udum* causing wilt of pigeonpea

■ S. B. SHINDE* AND R. R. PERANE

Department of Plant Pathology and Agricultural Microbiology, Mahatma Phule Krishi Vidyapeeth, Rahuri, AHMEDNAGAR (M.S.) INDIA

ARTICLE INFO

Received : 14.02.2017

Revised : 16.03.2017

Accepted : 20.03.2017

KEY WORDS :

Fusaric acid, *Fusarium udum*,
Thin layer chromatography

*Corresponding author:
shindesb123@gmail.com

ABSTRACT

The investigation was undertaken to test the efficacy of phytoalexin against *Fusarium udum*. Amongst the eleven concentrations of cajanol tested against *F. udum* concentrations causing wilt of pigeonpea *i.e.* 325, 350 and 375 µg/l were found most effective resulting in cent per cent growth inhibition of *F. udum*. The concentrations of cajanol *viz.*, 350 µg/l and 375 µg/l were found to be most effective against conidial germination of *F. udum*. Besides the above, a commercial cajanol formulation was also tested against *F. udum* and the concentrations of 325 µg/l, 350 µg/l and 375 µg/l were again found to be most effective in inhibiting the conidial growth germination.

How to view point the article : Shinde, S.B. and Perane, R.R. (2017). Efficacy of phytoalexin against *Fusarium udum* causing wilt of pigeonpea. *Internat. J. Plant Protec.*, **10**(1) : 117-121, DOI : 10.15740/HAS/IJPP/10.1/117-121.