

## **Assessment on management of late blight in tomato incited by *Phytophthora infestans***

**B. Manjunath<sup>1</sup>, C.P. Manjula<sup>2</sup>, Jahir Basha<sup>3</sup>, K.N. Srinivasappa<sup>1</sup> and Manjunath Gowda<sup>4</sup>**

Received November 7, 2017 and Accepted February 21, 2018

**ABSTRACT :** Late blight incited by *Phytophthora infestans* is one of the most widely spread and economically important disease of tomato. The present investigation was carried out to evaluate the efficacy of different fungicides and biocontrol agents for the management of the disease. Soil application of *Trichoderma viride* and *Pseudomonas fluorescens* 15 days before transplanting followed by prophylactic spray of Mancozeb (0.2%) 25 days after transplanting was found effective. Three sprays of fungicides viz., Metalaxyl + Mancozeb (0.2%), Fosetyl-Al (0.2%) and Dimethomorph (0.1%) + Polyram (0.2%) sprayed at regular intervals of ten, twenty and thirty days depending on the disease severity was found very effective in managing the disease.

**Key Words :** *Trichoderma viride*, *Pseudomonas fluorescens*, biocontrol agents, disease severity, fungicides, late blight, management.