INTERNATIONAL JOURNAL OF PLANT PROTECTION
VOLUME 10 | ISSUE 2 | OCTOBER, 2017 | 349-353

● e ISSN-0976-6855 | Visit us : *www.researchjournal.co.in*

IJPP

RESEARCH PAPER

DOI : 10.15740/HAS/IJPP/10.2/349-353

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

■ B. MANJUNATH[1]*, C.P. MANJULA[2], JAHIR BASHA[3], K.N.SRINIVASAPPA[1] AND MANJUNATH GOWDA[4]

[1]Krishi Vigyan Kendra (BRD), HADONAHALLI (KARNATAKA) INDIA
[2]Department of Plant Pathology, University of Agricultural Sciences, G.K.V.K., BENGALURU (KARNATAKA) INDIA
[3]Agricultural Research Station, PAVAGADA (KARNATAKA) INDIA
[4]Krishi Vigyan Kendra, CHIKKABALLAPUR (KARNATAKA) INDIA

ARITCLE INFO

**Received** : 23.03.2017
**Revised** : 23.08.2017
**Accepted** : 05.09.2017

KEY WORDS :
Biocontrol agents, Disease severity, Fungicides, Late blight, Management

***Corresponding author:**
Email: manjunathkrishi@gmail.com

ABSTRACT :

Late blight incited by *Phytophthora infestans*is one of the most widelyspread 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.

**How to view point the article :** Manjunath, B., Manjula, C.P., Basha, Jahir, Srinivasappa, K.N. and Gowda, Manjunath (2017). Assessment on management of late blight in tomato incited by *Phytophthora infestans*. *Internat. J. Plant Protec.*, **10**(2) : 349-353, **DOI : 10.15740/HAS/IJPP/10.2/349-353**.