

BIO-EFFICACY OF AZOXYSTROBIN 11% + TEBUCONAZOLE 18.3% SC ON ONION IN ANDHRA PRADESH

C. Ruth* and M. Tagore Naik

Department of Plant Pathology, Dr. YSR Horticultural University, Horticultural College & Research Institute, Anantharajupeta, Kadapa dt., Horticultural Research Station, Mahanandi - 518502, Kurnool District, Andhra Pradesh

Received-17.05.2016, Revised-15.06.2016

Abstract: Field trials conducted against Azoxystrobin 11% + Tebuconazole 18.3% SC on Onion in Andhra Pradesh. Experimental findings with the data pertaining to efficacy of different fungicidal formulation on the purple blotch incidence showed that all the treatments were significantly superior over control in reducing the disease severity. Azoxystrobin 11% + Tebuconazole 18.3% SC @ 750 & 1000 ml/ha is superior and lowest disease incidence was recorded (17.15 & 18.05 respectively) and proved to be the best. Highest yield was obtained in treatment sprayed with the Azoxystrobin 11% + Tebuconazole 18.3% SC @ 1000 ml/ha and it was on par with Azoxystrobin 11% + Tebuconazole 18.3% SC @ 750ml/ha with the highest cost benefit ratio of 1:2.16.

Keywords: Bio-efficacy, Azoxystrobin, Tebuconazole, Purple blotch

REFERENCES

- Anonymous** (2004). *The Hindu Survey of Indian Agriculture*, The Hindu Publications, Chennai, pp. 120.
- Rahman, L; Ahmed, H.U., Main, I. H.** (1989). Abstracts of annual review, Institute of Postgraduate studies in Agriculture, Salna, Gazipur (Bangladesh), 1989 p.27
- Srivastava, P.K., Bharadwaj, B.S. and Gupta, P. P.** (1994). Status of field diseases and selected pests of onion in India. News letter National Horticultural Research Developmental Found, 14(2): 11-14
- Chethana, B. S., Girija, Ganeshan and Manjunath, B.** (2011). Screening of genotypes and effect of fungicides against purple blotch of onion. International Journal of Science and Nature, 2 (2): 384-387.
- Chethana, B.S; Girija, Ganeshan, Rao, A.S. and Bellishree** (2013). Bioefficacy of botanicals, bioagents and fungicides in the management of purple blotch disease of onion Journal Environment and Ecology Vol. 31 No. 2B pp. 947952
- Environment and Ecology Vol. 33 No. 1 pp. 99104
- Rao, A.S., Girija, Ganeshan, Ramachandra, Y. L., Chethana, B.S. and Bellishree, K.** (2015) Journal of Environment and Ecology 2015 Vol. 33 No. 1 pp.99104.
- Efath, Shahnaz, V. K., Razdan, Rezwi, S. E. H., Rather, T. R., Gupta, Sachin** (2013) Integrated Disease Management of Foliar Blight Disease of Onion: A Case Study of Application of Confounded Factorials Journal of Agricultural sciences .volume 5 no.1 p. 17
- Kappa, Kondal** (2014), Growth Rate of Area, Production and Productivity of Onion Crop in Andhra Pradesh, Journal of applied research, Volume-4, ISSR 2249-555 X
- Savitha, A.S; Ajithkumar, K. and Ramesh, G.** (2014). Integrated disease management of purple blotch [*Alternaria porri* (Ellis) Cif] of onion. Pest management in Horticultural Ecosystems, Vol.20, No.1pp 97-99

*Corresponding Author