

RESEARCH ARTICLE

Assessment of solomon 300 OD (Betacyfluthrin 90 + Imidacloprid 210 OD) as phtotoxixity and effects on natural enimies of sucking insect pests in kinnow plants

■ Harjindra Singh and Roop Singh Meena

SUMMARY

The trial for study was on orchard of Agricultural Research Station Srigangangar of kinnow 2 trees per treatment/replication during 2016-2017. Eight treatments including control were evaluated and each treatment was replicated three times and using RBD to work bio-effeciacy of natural enemies of sucking insect pests of kinnow. Observations in each plot separately on natural enemies' population were also recorded one days before of spray and 3, 7, 10 and 14 days after spray and evaluated from pooled data the natural enemies population has reduced some extend 3rd after spray and again increased also no ill effect of the natural enemies' population. Out of these treatments two treatments one using 7 ml/ha and 14 ml/ha was taken as phyto-toxicity observation. No phyto toxicity symptoms was observed on number of leaves and infested leaves per twigs from 5 randomly selected twigs by viewing symptoms like leaf injury, yellowing, stunting, necrosis, epinasty and hyponasty in the leaves.

Key Words : Solomon 300 OD (Betacyfluthrin 90 + Imidacloprid 210 OD), Phtotoxixity, Natural enimies, Sucking insect pests, kinnow plants

How to cite this article : Singh, Harjindra and Meena, Roop Singh (2022). Assessment of solomon 300 OD (Betacyfluthrin 90 + Imidacloprid 210 OD) as phtotoxixity and effects on natural enimies of sucking insect pests in kinnow plants. *Internat. J. Plant Sci.*, 17 (2): 146-150, DOI: 10.15740/HAS/IJPS/17.2/146-150, Copyright@ 2022:Hind Agri-Horticultural Society.

Article chronicle : Received : 21.03.2022; Revised : 19.04.2022; Accepted : 21.05.2022

MEMBERS OF THE RESEARCH FORUM

Author to be contacted :

Harjindra Singh, Krishi Vigyan Kendra, Padampur, Srigangangar (Rajasthan) India
Email : jindra.ento@gmail.com

Address of the Co-authors:

Roop Singh Meena and Pradeep Kumar, Agricultural Research Station, Srigangangar (Rajasthan) India