

**Intraguild Predation Interaction between *Orius strigicollis*
and *Steinernema carpocapsae* Pocheon Strain on
*Frankliniella occidentalis***

**Heung Yong Jeon, Hyeong Hwan Kim, Ho Yul Choo¹,
Myoung Rae Cho, Chang Yul Yang, Han Ik Jang
and Myoung Soon Yiem**

Horticultural Environment Division, National Horticultural Research Institute, RDA

¹Department of Applied Biology and Environment, Division of Applied Life Science,
Institute of Agriculture & Life Sciences, Gyoengsang National University

Studies were conducted on the interrelationship between predatory bug, *Orius strigicollis* (Poppius) (Hemiptera: Anthocoridae) and entomopathogenic nematode, *Steinernema carpocapsae* Pocheon strain (Nematoda: Steinernematidae) for control of the western flower thrips, *Frankliniella occidentalis* (Pergande). *S. carpocapsae* had no effect on oviposition of *O. strigicollis*. *S. carpocapsae* could not infect the larva and adult of *O. strigicollis* in petri dish test. Interspecific interference and intraguild predation between *O. strigicollis* and *S. carpocapsae* were not observed in the experiments. Therefore, these two biological control agents can be used at the same time for control of the western flower thrip.