2-17. Predatory Characteristics of predator, *Orius sauteri* Poppius(Heteroptera: Anthocoridae)

Chae-Hoon Paik, Chang-Yeon Hwang[1], Geon-Hwi Lee,
Doo-Ho Kim, Seung-Yeoung Na and Sang-Soo Kim[2]

National Honam Agricultural Experimental Station, RDA, Iksan,
[1]Department of Agricultural Biology, Chonbuk National University, Chonju,
[2]Faculty of Applied Biology and Horticulture, Sunchon National University, Sunchon

This study was conducted to investigate the predatory characteristics of predator, *Orius sauteri*. The results are summarized as follows.

Daily predation of femlae/male *O. sauteri* during nymphal development were 4.2/4.0, 13.7/11.4, 16.8/12.0, and 17.4/14.8 thrips at 17, 22, 27, and 32℃, respectively, and consumed 16.8/12.0 thrips, 8.0/7.7 aphids, 47.0/40.8 mites at 27℃, respectively. Adult female ate 42.8 thrips daily during preoviposition period and 63.2 thrips during oviposition period at 27℃. Adult female and 5th nymph of *O. sauteri* appeared to prefer 2nd larva of *F. occidentalis*. Predation by *O. sauteri* on *F. occidentalis* increased with increasing density of *F. occidentalis* while the rate of increase gradually reduced and resembled Holling's type II functional response,and attack rate of adult female is higher than that of 5th nymph.