

2-18. Ecological Characteristics of *Frankliniella occidentalis* Pergande (Thysanoptera: Thripidae) on Horticultural Crops

Chae-Hoon Paik, Chang-Yeon Hwang¹, Geon-Hwi Lee,
Doo-Ho Kim, Hyung-Chol Moon² and Sang-Soo Kim³

National Honam Agricultural Experimental Station, RDA, Iksan,

¹Department of Agricultural Biology, Chonbuk National University, Chonju,

²Chonbuk Agricultural Research and Extension Services, Iksan,

³Faculty of Applied Biology and Horticulture, Suncheon National University,
Suncheon

This study was conducted to investigate the ecological characteristics of *Frankliniella occidentalis* on horticultural crops. The results are summarized as follows.

On red pepper leaves, larval developmental period and survival rate of *F. occidentalis* took 6.4 days and 67%. While female lived longer on leaves of cucumber as long as 16 days, on petal lived 8.1 days. *F. occidentalis* adult female preferred tomato to eggplant, cucumber, and red pepper, and most of hatched larva were from leaves of middle part of eggplant compared with those from other parts. *F. occidentalis* adult female fed preferably on petal compared with leaves and petal of eggplant, and among petals of four tested plants, the most preferred was that of red pepper.