

## Species richness and host-plant diversity of genus *Thrips* (Thysanoptera: Insecta) in Kashmir valley

R.C. BHAGAT AND AIJAZ AHMAD QURESHI

Department of Zoology, University of Kashmir, Hazratbal, SRINAGAR (J&K) INDIA

(Accepted : February, 2010)

Key words : *Thrips* spp., Host-plant complex, Kashmir

The genus *Thrips* belongs to insect order Thysanoptera, sub-order Terebrantia and family Thripidae. The various species belonging to this genus are minute insects, gregarious in nature and feed on different parts of host-plants, viz., leaves, flowers fruit, etc., resulting in withering, browning and occasionally death of leaves. Some species, like *Thrips tabaci*, are also known to transmit spotted wilt virus disease. The previous records of thrips species, belonging to genus *Thrips* from the Kashmir valley, have been provided by Singh (1946), Bhatti (1980), Bhagat and Lone (1986, 1991 and 1991a), Bhat (1991) and, Lone and Bhagat (1990 and 1991).

The various thrips species, belonging to genus *Thrips* under sub-order Terebrantia and family Thripidae of insect order Thysanoptera, with their host-plant complex and distribution in Kashmir Valley are given as under:-

### *Thrips alatus* Bhatti :

- *Muhlenbergia* sp., Yus
- *Parrotiopsis jacquemontiana*, Ari
- *Plectranthus rugus*, Ari
- *Senecio jacquemontiana*, Lol.
- *Solanum melongena*, Gan
- *Trifolium pratense*, Gan.
- *Verbascum thapsus*, Ari.

### *T. bukkieni* Priesner :

- *Taraxacum officinale*, Bij

### *T. carthami* Shumsher :

- *Carthamus tinctorius*, Pam.
- *Euphorbia helioscopia*, Pam.
- *Malus domestica*, Kas.(=*Pyrus malus*)
- *Oxyria digyna*, Aha
- *Prunus dulcis*, Kas. (= *Prunus amygdalis*)
- *Pyrus communis*, Ana
- *Ranunculus* sp., Tar.
- *Salix aegyptica*, Haz.

- *Stipa sibirica*, Sha.
- *Viburnum grandiflorum*, Dac  
(= *Viburnum foetidum*)
- Unidentified host plant-species

### *Thrips corydalin* n. sp. (undescribed) :

- *Corydalis govaniiana*, Tan

### *T. flavus* Schrank :

- *Allium cepa*, Kas
- *Chrysanthemum vulgare*, Tan.  
(= *Chrysanthemum leucanthemum*)
- *Crocus sativus*, Pam
- *Euphorbia helioscopia*, Pam
- *Lythrum salicaria*, Haz.
- *Malus domestica*, Ali  
(= *Malus pumila*)  
(= *Pyrus malus*)
- *Mentha arvensis*, Ali
- *Oenothera drumondi*, Bij
- *Oenothera glazioviana*, Ban.
- *Polygonum complexicaula*, Tan.
- *Prunus dulcis*, Kas (= *Prunus amygdalis*)
- *Pyrus communis*, Kas
- *Ranunculus laetus*, Bar.
- *Ranunculus* sp., Tar
- *Senecio jacquemontiana*, Lol.
- *Valeriana stracheyi*, Uri.
- Unidentified host plant species, Tar.

### *Thrips farmosanus* kali Bhatti :

- *Senecio jacquemontiana*, Tar, Lot.

### *T. flavidulus* (Bagnall) :

- *Polygonum affinis*, Gul-Ala.
- *S. jacquemontiana*. Lol.
- *Swertia petiolata*, Ala
- *Valeriana stracheyi*, Uri.