

A LIST OF PLANT HOPPERS (DELPHACIDAE:HOMOPTERA) AND
THEIR HOSTS RECORDED FROM BANGLADESH AND PAKISTAN

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ABSTRACT

A list of twenty genera and twenty seven species of *Delphacids* implicated as major or minor pests of various host plants in Bangladesh and Pakistan is provided.

INTRODUCTION

The knowledge of Delphacids genera and species of the Oriental region has been slight and no systemic studies were undertaken in earnest since the time of Distant (1906-1912) who made the first and last major taxonomic contribution to the knowledge of Delphacid of a part of oriental region. His work was mostly confined to India and Ceylon. So far the Pakistan and Bangladesh is concerned, the real injury caused by these insects, however, is without doubt not fully appreciated and given due consideration by most of the entomologists.

The present work has been based on five years survey and study from various provinces of Bangladesh and Pakistan. This study has been undertaken at the suggestion of Professor Emeratus M.A.H. Qadri (Late).

For identification of recorded delphacids fauna the keys given by Crawford (1949), Distant (1906, 1916), Fennah (1956), Kramer (1962), Melichar (1903), Muir (1923, 1930) and Vilbaste (1971) were used.

The list of Delphacid pests and hosts is given in a systematic order and localities are mentioned in parenthesis. The symbols wherever mentioned have the following meanings:

(BD) = Bangladesh.
 (P) = Pakistan.
 (MP) = Major pest.
 (mp) = Minor pest.
 H. = Host.
 L. = Locality.

LIST OF DELPHACID PESTS AND THEIR HOSTS IN SYSTEMATIC ORDER:

Super Family	:	Fulgoroidea.
Family	:	Delphacidae.
Sub Family	:	Delphacinae.
Tribe	:	Alohini
Genus	:	ILBURNIA WHITE 1878.
		<i>Ilburnia</i> sp. (mp)
		H: Grass.
		L: Umerkot, Balakot - (P).
Tribe	:	Tropidocephalini.
Genus	:	TROPIDOCEPHALA STÅL 1853.
		<i>Tropidocephala brunnipennis</i> Signoret 1860
		H: Grass.
		L: Murree -(P).
Genus	:	PUROHITA DISTANT 1906.
		<i>Purohita</i> sp. (MP).
		H: Bamboo
		L: Mirpurkhas-(P)

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SYSTEMATIC ORDER:

P).

3.
nnis Signoret 1860

- Genus : PUNDALOUYA KIRKALDY 1902
Delphax ernesti Kirby 1891
H: Grass.
L: Dacca- (BD).
- Genus : EOEURYSA MUIR 1913.
Eoeurysa flavocapitata Muir Mir (MP).
H: Sugar cane.
L: Gopal pur, Rajshahi- (BD).
- Tribe : Delphacinae.
- Genus : ZULEIKA DISTANT 1912.
Zuleika bengalensis Distant 1912.
H: Grass.
L: Dacca, Comilla-(BD).
- Genus : PERKINSIELLA KIRKALDY 1903.
Perkinsiella insignis Distant 1912.
H: Paddy.
L: Rajshahi - (BD).
- Genus : PERIGRINUS KIRKALDY 1904.
Perigrinus maidis Ashmead 1890-(MP).
H: Grass, Paddy.
L: Jassore- (BD).
- Genus : CEMUS FENNAH 1964.
Cemus sp.
H: Grass.
L: Comilla-(BD). and Peshawar (P).
- Genus : NILAPARVATA DISTANT 1906
Nilaparvata lugans Stål 1854 (MP).
H: Wheat.
L: Dacca, Jassore, Dinajpur, Gopalpur(BD).
- Genus : EURYSA FIEBER 1866
Eurysa sp.
H: Grass.
L: Abbottabad- (P).

- Genus : SARDIA MELICHAR 1903
Sardia rostrata Melichar 1903.
 H: Grass, Cabbage, Paddy.
 L: Karachi, Thatta, Chore & Mirpurkhas-(P).
- Genus : CORONACELLA METCALF 1950.
Coronacella frontalis Metcalf 1950.
 H: Grass, Cabbage.
 L: Karachi, Murree-(P):Dacca-(BD).
- Genus : SOGATA DISTANT 1906
Sogata pusana Distant 1912 (MP).
 H: Paddy, Wheat & Grass.
 L: Karachi, Thatta, Hyderabad, Tharparker, and Tandojam - (P).
- : *Sogata striatus* Qadri & Mirza 1960(mp).
 H: Jowar, Bajra.
 L: Karachi, Thatta, Mirpurkhas, Tandojam- (P).
- : *Sogata* sp. - (MP).
 H: Paddy, Wheat.
 L: Hyderabad, Tandojam & Tharparker-(P).
- Genus : NUMATODES FENNAH 1964.
Numatodes sp.
 H: Grass.
 L: Comila - (BD).
- Genus : UNKANODES FENNAH 1956.
Unkanodes cornicaudatus Qadri & Mirza 1960-
 H: Wheat, Maiz.
 L: Murree, Quetta, Ziarat & Sawat-(P).

Genus

Genus

Genus

: DELPHAX FABRICIUS 1798.

Delphax sp.

H: Cabbage

L: Quetta-(P).

: SOGATELLA FENNAH 1963.

Sogatella furcifera Horvath 1899-(MP).

H: Wheat, Millet & Grass.

L: Tharparker, Hyderabad, Tandojam,
Faisalabad, Ghulamullah & Mirpurkhas-
(P).: *Sogatella longifurcifera* Esaki & Ishihara

H: Jowar, Wheat, Paddy & Grass.

L: Karachi, Thatta, Hyderabad, Mirpur-
khas-(P): Dacca, Rangpur-(BD).: *Sogatella kolophon* Kirkaldy 1907-(mp).

H: Paddy, Grass.

L: Comilla, Cox's Bazar, Dacca, Dinajpur,
Rangpur, Jassore and Khulna-(BD).: *Sogatella palludum* Kirkaldy 1910

H: Paddy and Grass.

L: Khulna, Cox's Bazar, Comilla,
Memon Singh and Dinajpur-(BD).

Genus

: TOYA DISTANT 1906

Toya albinotata Crawford 1914 (MP).

H: Potato.

L: Abbottabad-(P).

Toya attenuata Distant 1906

H: Grass

L: Rajshahi- (BD).

Toya propinqua Fieber 1866-(MP).

H: Wheat, Maiz, and Paddy.

L: Karachi, Thatta, Tandojam -(P)
Dacca, Gopalpur- (BD).

Genus : LAODELPHAX FENNAH 1963
Laodelphax striatellus (Fallen 1826)
H: Paddy.
L: Hazara, Abbottabad, Mansehra, Balakot-(P)

SUMMARY

In all twenty seven species of Delphacids implicated as major or minor pests of various host plants from Bangladesh and Pakistan were recorded. Out of twenty seven one species is related to Alohini two to Tropidocephalini and rest of the species to Delphacini. Eleven species from Bangladesh and thirteen from Pakistan were recorded. Three species are common in distribution in Bangladesh as well as Pakistan. Out of twenty seven species eight seems to be new which will be named and published later on.

ACKNOWLEDGEMENT

We wish to acknowledge our great indebtedness to Professor Emeritus Mohammad Afzal Hussain Qadri (Late), at whose suggestion this work was started and under whose directions this project has been completed. This project was financed by the US. Department of Agriculture for the completion of this studies under a PL-480 grant No. FG(A-17-ENT-44) for which we are grateful. Finally thanks are due to Mr. J.P. Doncaster, keeper of Entomology, British Museum

(Natural History) London, for the privilege of studying material in the museum collection. The assistance of R.G. Fennah, Assistant Director of British Museum Natural History, London in verifying the species identification and providing some valuable literature is also grateful acknowledged.

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