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A LIST OF THE CHLOROPIDAE (DIPTERA) KNOWN TO OCCUR IN IOWA

LEONARD REDLINGER AND H. E. JAQUES

The Dipterous family Chloropidae is composed of small to very small, bare or nearly bare flies. These frit-flies as they are called are very numerous and representatives of the family may be collected almost anywhere. Adults of a considerable number of species are common in meadows and other places where there is rank growing grass and several of them are of considerable importance economically. They may be readily collected with a sweeping net in any of their ideal habitats.

The larvae often live in the stems of our cultivated and wild grasses as well as some other plants. Occasionally species feed within the burrows in plants made by other insects. A few feed upon the eggshells and cast-off skins of insects. These larvae are thick and cylindrical, with stout mouth hooks, and antennae of two segments. They move about by fleshy abdominal protuberances.

The adults of this family are minute but plump, and are variously colored, sometimes blackish, sometimes yellowish or both. The wings are of moderate length or very short. The head is usually hemispherical, but sometimes more or less triangular. The antennae are usually short, with rounded third segment. The unusually large frontal or vertical triangular offers one of the best characters for recognizing the family. The legs are short, and the femora rarely greatly thickened, but usually somewhat curved.

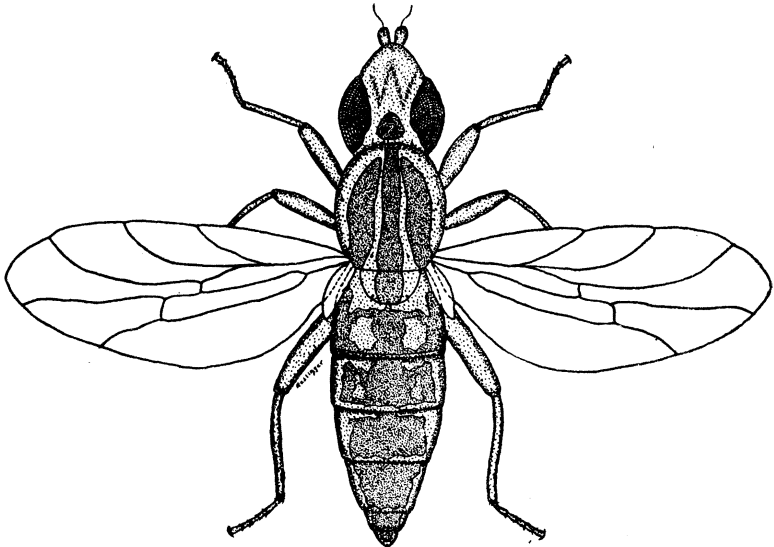
The figure of *Meromyza americana*, the Wheat Stem Maggot, illustrates the general characters and appearance of the members of the family.

The chief purpose of this paper is to list the known Iowa species. Specimens of all of these are found in the Iowa Insect Survey collection at Iowa Wesleyan College. The numbers accompanying the names are the catalog numbers assigned these species in a special catalog of Iowa Diptera.

210-1	MEROMYZA AMERICANA FITCH	211-5	C. MELANOCERA Loew
210-21	EPICHLOROPS EXILIS (COQ.)	211-6	C. OBSCURICORNIS Loew
210-31	CHLOROPISCA GLABRA MEIG.	211-11	C. CROCOTA Loew
210-31a	C. GLABRA var. CLYPEATA Mall.	211-12	C. PALPALIS Adams
210-51	DIPLOTOXA ANCHORA Lw.	211-13	C. RUGINOSA Becker
210-53	D. VERSICOLOR Lw.	211-14	C. CINERAPENNIS Adams
210-92	ANTHRACOPHAGA INTER- RUPTA Becker	211-15	C. RUFESCENS Coq.
211-2	CHLOROPS CERTIMA Adams	211-31	ECTECEPHALA ALBISTY- LUM Macq.
		211-32	E. SULCATA Sabr.
		211-41	PARECTECEPHALA EUCERA Lw.
		211-81	GAURAX DORSALIS Lw.
		212-2	CRASSISETA COSTATA Lw.

212-2a	C. COSTATA var. (red pleura)	213-2a	O. COXENDIX var. PUL- LICORNIS Sab.
212-3	C. NIGRICEPS Lw.	213-3	O. COXENDIX OBSCURA Coq.
212-4	C. LONGULA Lw.	213-5	O. FRIT L.
212-5	C. EUNOTA Lw.	213-5a	O. FRIT var. NITIDISSIMA Mg.
212-43	HIPPELATES NOBILIS Loew	213-5b	O. FRIT var. "B"
212-44	H. PLEBEJUS Lw.	213-5c	O. FRIT var. "A"
212-45	H. SUBVITTATUS Mall.	213-6	O. INCERTA Becker
212-46	H. PALLIPES Lw.	213-10	O. UMBROSA Lw.
212-47	H. STRAMINEA Lw.	213-11	O. LONGIPES Lw.
212-48	H. DISSIDENS Tucker	213-12	O. ABDOMINALIS Becker
212-49	H. BISHOPII Sabr.	213-13	O. MINOR Adams
212-61	MADIZA CINEREA Lw.	213-14	O. AINSLIEI Cur.
212-61 var.	M. CINEREA var.	213-15	O. MELANCHOLICA Becker
212-63	M. SETULOSA Mall.	213-16	O. LUTICEPS Sabrosk.
212-64	M. PROVOCANS Beck.	213-17	O. SCABRA Ald.
212-65	M. LATIFRONS Lw.	213-18	O. FLAVESCENS Tucker
212-66	M. NIGRIPALPIS Mall.	213-19	O. NUDIUSCULA Loew
212-67	M. QUINQUELINEATA Adams	213-21	DICRAEUS INCONGRUUS Ald.
212-68	M. PARVA Ad.	213-31	TRICIMBA LINEELLA Fall.
213-2	OSCINELLA COXENDIX Fitch.	213-32	T. BRUNNICOLLIS Beck.

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Meromyza americana Fitch