

111. Family GASTEROPHILIDAE

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Species of Gasterophilidae, commonly known as horse bot flies, are represented in these regions by introduced Old World cosmopolitan species whose distributions coincide with those of their hosts. Larvae of gasterophilids, as with oestrids, are encountered more frequently than adults. They develop in the digestive tracts of their

hosts and are passed out in feces, where pupariation occurs. Adults have vestigial mouthparts and, consequentially, a short flight period.

Refs.: Colless & McAlpine (1970, Australian spp.), Hardy (1981, Hawaiian spp.), Ferrar (1987, immat. biol.).

Genus GASTEROPHILUS Leach

GASTEROPHILUS Leach, 1817b: 2 [1818b: 568]. Type species: *Oestrus equi* Clark, 1797 [suppressed by I.C.Z.N., 1957: 83, = *Oestrus intestinalis* De Geer, 1776], des. Curtis, 1826: 146.

GASTRUS Meigen, 1824: 174. Type species: *Oestrus intestinalis* De Geer, 1776, des. Coquillett, 1910: 546.

GASTROPHILUS Agassiz, 1847: 160. Invalid emend. of *Gasterophilus*. [Suppressed by I.C.Z.N., 1957: 83.]

ENTEROMYZA Rondani, 1857: 20 (unnec. n. n. for *Gasterophilus*).

RHINOASTROPHILUS Townsend, 1918: 152. Type species: *Oestrus nasalis* Linnaeus, 1758, orig. des.

ENTEROMYIA Enderlein, 1934: 425. Type species: *Oestrus haemorrhoidalis* Linnaeus, 1758, orig. des.

HAEMORRHOESTRUS Townsend, 1934c: 406. Type species: *Oestrus haemorrhoidalis* Linnaeus, 1758, orig. des.

haemorrhoidalis Linnaeus, 1758: 584 (*Oestrus*). Not given [Sweden]; widesp. Australia, Hawaiian Is, NZ (NZ); cosmopol.

intestinalis De Geer, 1776: 292 (*Oestrus*). Not given [?Sweden]; Norfolk I [introduced]; almost cosmopol.

equi Clark, 1797: 298, 326 (*Oestrus*). Suppressed by I.C.Z.N., 1957: 83. [Preocc. Fabricius, 1787.]

nasalis Linnaeus, 1758: 584 (*Oestrus*). Not given [Sweden]; Australia, Hawaiian Is, NZ (NZ); cosmopol.