

Family 224. ONAGRACEAE

Revision:

Raven, PH. 1977. *Onagraceae*. Flora Malesiana series 1, 8: 98-113.

1. *Epilobium* Linnaeus

Revision:

Raven, PH. 1967. The genus *Epilobium* in Malasia (*Onagraceae*). *Blumea* 15: 269-282.

Epilobium brevifolium D Don, Prodr. Fl. Nepal. (1825) 222

ssp. *trichoneurum* (Haussknecht) Raven, Bull. Br. Mus. Nat. Hist. Bot. 2 (1962) 362; *Blumea* 15 (1967) 271; Fl. Males. ser. 1, 8 (1977) 109; --*Epilobium trichoneurum* Haussknecht, Oest. Bot. Z. 29 (1879) 54.

Epilobium philippinense C Robinson, PJS 5 c (1910) Bot. 369; --Merr., EPFP 3 (1923) 220, *excl. syn.* *E. sarmentaceum* Hausskn. --Type: Merrill 4484 (K, iso). Luzon: Mountain Province, Mt Data.

SE Tibet to Assam, Myanmar, and W China, N Philippines. LUZON: Mountain Province (Mt Data), Benguet (Mankayan to Baguio; Ambuklao to Baguio; Pauai; Mt Pulag; Mt Sto Tomas; Baguio). Wet open slopes in the pine region, along streams and by springs, altitude 1400-2100m. Fl. Jul, Oct.

Epilobium platystigmatosum C Robinson, PJS 3 c (1908) Bot. 210; --Merr., EPFP 3 (1923) 221; --Raven, *Blumea* 15 (1967) 272; Fl. Males. ser. 1, 8 (1977) 110. --Type: Merrill 4744

Japan, China (Hubei; Jiangsu), Taiwan, N Philippines. LUZON: Ifugao, Mountain Province, Benguet. Chiefly along small streams and about cliffs, altitude 1200-2400m. Fl. Apr-Jun.

Jussiaea Linnaeus =*Ludwigia*

2. *Ludwigia* Linnaeus

Revision:

Raven, PH. 1963. *Reinwardtia* 6: 327-

Ludwigia adscendens (L.) Hara, J. Jap. Bot. 28 (1953) 290; --Raven, *Reinwardtia* 6 (1963) 387, maps 31, 33; Fl. Males. ser. 1, 8 (1977) 104, Fig. 5; 6 (map); --*Jussiaea adscendens* L., *Mantissa* 1 (1767) 69.

Jussiaea repens L., Sp. Pl. (1753) 388; --Merr., EPFP 3 (1923) 219; --Backer & Bakh.f., Fl. Java 1 (1963) 260.

Sri Lanka, India, Bangladesh, S China, Hainan, Myanmar, Thailand, Indochina, across Malesia to Guinea, N Australia (W Arnhem Land). Freshwater pools, ditches, swamps, fallow and wet paddies, very common, from lowlands up to xxxx

Ludwigia hyssopifolia (G Don) Exell, Garcia de Orta 5 (1957) 471; --Raven, *Reinwardtia* 6 (1963) 387, maps 30; Fl. Males. ser. 1, 8 (1977) 104, Fig. 4; --*Jussiaea hyssopifolia* G Don, Gen. Syst. 2 (1832) 693.

Jussiaea linifolia Vahl, Eclog. Am. 2 (1798) 32; --Merr., Fl. Manila (1912) 356; EPFP 3 (1923) 219; --Backer & Bakh.f., Fl. Java 1 (1963) 260.

Tropical Africa, continental SE Asia (Sri Lanka to Hainan), throughout Malesia to Micronesia and N Australia (Cape York Peninsula and Arnhem Land). Pools, along rice paddies, canals and shallow ditches, river edges, waterlogged wastelands, etc. Lowlands to c. xxxx m.

Ludwigia octovalvis (Jacq.) Raven, Kew Bull. 15 (1962) 476; Reinwardtia 6 (1963) 356, maps 19-20, incl. ssp. *brevisepala* (Brenan) Raven & ssp. *sessiliflora* (Mich.) Raven; Fl. Males. ser. 1, 8 (1977) 101, Fig. 1; --*Jussiaea octovalvis* (Jacq.) Sw., Obs. Bot. (1791) 142; --*Oenothera octovalvis* Jacq., En. Syst. Pl. (1760) 19.

Ludwigia villosa Lam., Encycl. 3 (1789) 331; --Merr., EPFP 3 (1923) 220.

Jussiaea erecta L., Sp. Pl. (1753) 388; --Merr., EPFP 3 (1923) 219.

Jussiaea suffruticosa Miq., Fl. Ind. Bat. 1¹ (1856) 628; --Merr., Fl. Manila (1912) 357.

Pantropic, between c. 32°N and 30°S. Waterlogged sites, pools, rice fields, along watercourses, lake shores, also gravelly riverbeds, etc.

Ludwigia perennis L., Sp. Pl. (1753) 119; --Raven, Fl. Males. ser. 1, 8 (1977) 103, Fig. 2 (map); --Raven, Reinwardtia 6 (1963) 367, map 21.

Ludwigia parviflora Roxb., Hort. Beng. (1814) 11, *nom. nud.*; Fl. Ind. 1 (1820) 440; --Merr., Fl. Manila (1912) 355; EPFP 3 (1923) 220.

Tropical Africa, Madagascar, Sri Lanka to S China, Hongkong, and Hainan, throughout Malesia (except Borneo and Moluccas) to tropical Australia and New Caledonia. Sunny waterlogged conditions, along fallow rice fields, watercourses, riverbeds, on heavy clay, etc. from lowlands to c. 500m. Fl. throughout the year.

Ludwigia prostrata Roxb., Hort. Beng. (1814) 11, *nom. nud.*; Fl. Ind. 1 (1820) 441; --Merr., Fl. Manila (1912) 355; EPFP 3 (1923) 220; --Raven, Reinwardtia 6 (1963) 374, map 23; Fl. Males. ser. 1, 8 (1977) 103, Fig. 3 (map);

Sri Lanka and S Deccan to N India, Assam, Andaman Isls, S China, Peninsular Malaysia, Java, Lesser Sunda Isls (Timor), Borneo, and the Philippines. LUZON, PALAWAN, NEGROS, MINDANAO. Lowlands to c. 800m, along rice paddies, ditches, river banks, swampy sites, rather rare.

Cultivated:

Fuchsia magallanica Lam. **var. gracilis** (Nich.) Bailey; Backer & Bakh.f., Fl. Java 1 (1963) 264.

Native of temperate South America.