

Family 208. BEGONIACEAE

Literature:

- Smith, LB, DC Wasshausen, J Golding & CE Karegeannes. 1986. *Begoniaceae. Part. I: Illustrated Key; Part II. Annotated species list*. Smithsonian Contributions to Botany no. 60: 1-584.
- Golding, J & DC Wasshausen. 2002. *Begoniaceae, Edition 2. Part. I: Annotated species list; Part II. Illustrated key, Abridgement and supplement*. Contributions from the United States National Herbarium 43: 1-289.

1. *Begonia* Linnaeus

Begonia acuminatissima Merr., PJS 6 c (1911) Bot. 395; EPFP 3 (1923) 119.

CAMIGUIN, MINDANAO: Agusan del Norte (Mt Urdaneta), BALUT. Lowland primary forests and stream embankments up to 400m.

Begonia aequata A Gray, Bot. Wilkes US Explor. Exped. (1854) 658; --Merr., EPFP 3 (1923) 119.

LUZON: Laguna (Mt Makiling). In primary forests, 400-1000m, climbing on tree trunks. Locally common.

Begonia affinis Merr., PJS 7 c (1912) Bot. 308; EPFP 3 (1923) 119.

MINDANAO: Zamboanga. Damp forests, c. 900m.

Begonia agusanensis Merr., PJS 6 c (1911) Bot. 377; EPFP 3 (1923) 119. --Type: BS 7312 Merrill (US*, iso). Mindanao: Agusan del Norte prov., Agusan River near Waloe, on banks along small streams in forests, altitude c. 50m, 2 Oct 1910.

MINDANAO: Agusan del Norte, Agusan del Sur (Talacogon), Bukidnon. Along small streams in lowland primary forests.

Begonia alba Merr., PJS 10 c (1915) Bot. 45; EPFP 3 (1923) 120. --Type: BS 19963 McGregor

(US*, iso). Luzon: Ifugao prov., Feb. 1913.
LUZON: Ifugao. Probably in forests above 1000m.

Begonia alvarezii Merr., PJS 6 c (1911) Bot. 405; EPFP 3 (1923) 120. --Type: FB 24446 Alvarez (not seen). Luzon: Nueva Ecija prov., Santor River, Feb 1911.

LUZON: Apayao, Nueva Ecija, Bulacan (Angat), Quezon (Mt Pular). Low and medium altitude forest stream embankments.

Begonia androturba Coyle, Edinburgh J. Bot. 66(2) (2009) 206-209, Fig. 2, map. --Type: PPI 38072

Pipoly, Romero et al (BRIT*, holo). Palawan: Palawan prov., Mt Gantung, district of Tindogan, NNW slopes at headwaters of Tagwaya River, 8 59.0'N, 117 49.0'E, steep slopes frequently subjected to large landslides, on ultramafic soil, altitude 800m, 19 Aug 1996.
PALAWAN: Mt Gantung. Known only from the type locality.

Begonia angilogensis Merr., PJS 26 (1925) 477; EPFP 4 (1925) 250. --Type: BS 40777 Ramos

(B*, K*, US*, iso). Luzon: Rizal prov., Mt Angilog, forested slopes, altitude 1200m, Apr 1922.
LUZON: Rizal (Mt Angilog). Known only from the type collection.

Begonia anisoptera Merr., PJS 6 c (1911) Bot. 398; EPFP 3 (1923) 120. --Type: BS 5482 Merrill

(NY*, iso; US*, isosynt)
ravines, altitude less than 100m, 10 Oct 1906.
MINDANAO: Zamboanga. Semi-shaded cliffs and boulders in low altitude forests.

Begonia apayaensis Merr., PJS 13 c (1918) Bot. 39; EPFP 3 (1923) 120. --Type: BS 28403 E
Fenix (US*, iso). Luzon: Apayao prov., Mt. Sulu, May 1917.
LUZON: Apayao. Rocky shaded slopes, c. 1000m.

Begonia biliranensis Merr., PJS 10 c (1915) Bot. 46; EPFP 3 (1923) 120. --Type: BS 18822
McGregor (US*, iso). Biliran, Jun 1914.
BILIRAN, SAMAR. Epilithic in low and medium altitude forests.

Begonia binuangensis Merr., PJS 13 c (1918) Bot. 40; EPFP 3 (1923) 120. --Type: BS 28813
Ramos & Edaña (US*, iso). Luzon: Quezon prov., Mt. Binuang, May 1917.
LUZON: Quezon, Sorsogon (Mt Bulusan). Climbing on tree trunks in primary forests at medium altitudes.

Begonia bolsteri Merr., PJS 6 c (1911) Bot. 387; EPFP 3 (1923) 120. --Type: Bolster 310 (US*, iso).
Mindanao: Surigao del Norte prov., Apr 1906.
LUZON: Laguna, Sorsogon, BILIRAN, LEYTE, MINDANAO: Surigao. Along streams in primary lowland forests.

Begonia brevipes Merr., PJS 6 c (1911) Bot. 378; EPFP 3 (1923) 378. --Type: BS 7431 Ramos (US*, iso). Luzon: Cagayan prov., Pamplona, in forests, Mar 1909.
LUZON: Cagayan, MINDANAO: Lanao. Lowland forests.

Begonia calcicola Merr., PJS 6 c (1911) Bot. 400; EPFP 3 (1923) 120. --Type: BS 7062 Merrill (US*, iso). Luzon: Rizal prov., Jan 1910.
LUZON: Rizal, Laguna, Batangas. Cliffs at low altitudes.

Begonia casiguranensis Quisumb. & Merr., PJS 37 (1928) 172. --Type: BS 45277 Ramos & Edaña (NY*, US*, iso). Luzon: Aurora prov., Casiguran, Cabulig River, May-Jun 1925.
LUZON: Aurora (Casiguran, Cabulig River). Along streams in open places at low altitudes.

Begonia castilloi Merr., PJS 13 c (1918) Bot. 38; EPFP 3 (1923) 120. --Type: BS 22723 Castillo (US*, iso). Luzon: Cagayan prov., Apr-May 1915.
LUZON: Cagayan. Streamside cliffs, c. 100m.

Begonia caudata Merr., PJS 13 c (1918) Bot. 41; EPFP 3 (1923) 120. --Type: BS 28414 E Fenix (NY*, US*, iso). Luzon: Apayao prov., Mt. Sulu, May 1917.
LUZON: Apayao. Rocky forested slopes, climbing on trees.

Begonia chloroneura P Wilkie & Sands, New Plantsman 6 (1999) 132, fig. --Type: P Wilkie 29015 et al. (PNH, holo; iso: K, E*, 2 sheets). Luzon: Isabela prov., San Mariano municip., Barangay San Jose, vertical rock face in crack, 6 Mar 1997.
LUZON: Isabela (San Mariano).

Begonia ciliifera Merr., PJS 6 c (1911) Bot. 376; EPFP 3 (1923) 121. --Type: FB 9318 Whitford & Hutchinson (US*, iso). Mindanao: Zamboanga del Sur prov., Port Banga, in canyons, altitude 20m, Jan 1908.
MINDANAO: Zamboanga del Sur. Damp shaded ravines up to 400m altitudes.

Begonia collisiae Merr., PJS 14 (1919) 424; EPFP 3 (1923) 121. --Type: BS 31469 Ramos & Edaña (US*, iso). Panay: Aklan prov., Libacao, Apr-May 1918.
PANAY: Aklan. Forested stream embankment, c. 100m.

Begonia colorata Warb. in Perkins, Frag. Fl. Philip. (1904) 51; --Merr., EPFP 3 (1923) 121. --Type: Warburg 14633
MINDANAO: Davao. Or rocky bluffs and banks at medium altitudes; apparently close to *B nigritarum* Steud.

Begonia contracta Warb. in Perkins, Frag. Fl. Philip. (1904) 54; --Merr., EPFP 3 (1923) 121. --Type: Warburg 13085 (B, holo). Luzon: Quezon prov., Sampaloc,
LUZON: Ilocos Norte, Cagayan, Isabela, Bataan, Bulacan, Rizal, Quezon, Sorsogon,
MINDORO, PANAY, NEGROS, LEYTE, SAMAR, MINDANAO: Zamboanga. Low and medium altitude primary forests.

Begonia copelandii Merr., PJS 6 c (1911) Bot. 401; EPFP 3 (1923) 121. --Type: Copeland 1255
LUZON: Cagayan, PANAY, MINDANAO: Davao. On boulders along streams up to 850m.

Begonia coronensis Merr., PJS 26 (1925) 480; EPFP 4 (1925) 250. --Type: BS 41164 Ramos (US*, iso*). Coron Island, 17 Sept 1922.
CORON. Lowland forests on limestone, on rocks and ledges along small streams.

Begonia crispipila Elmer, LPB 2 (1910) 737; --Merr., EPFP 3 (1923) 121. --Type: Elmer 8687 (NY*, US*, iso). Luzon: Benguet
LUZON: Apayao, Benguet. In damp shaded ravines, altitude up to 1500m.

Begonia cumingiana (Klotz.) DC, Prodr. 15¹ (1864) 320; --Fern.-Villar, Novis. App. (1880) 98; --Vidal, Phan. Cuming. Philip. (1885) 116; Rev. Pl. Vasc. Filip. (1886) 143; --Merr., PJS 6 c (1911) Bot. 388; EPFP 3 (1923) 121; --Diploclinium cumingianum (Klotz.) Miq., Fl. Ind. Bat. 1, 1 (1857) 691; --Petermannia cumingiana Klotz., Monatab. Berl. Akad. (1854) 124; Abh. Akad. Berl. (1855) 75, t. 6, fig. C; --Walp., Ann. 4 (1857) 906. --Type: Cuming 856.
LUZON: Albay, Sorsogon, CATANDUANES. Primary forests, usually along streams.

Begonia cumingii A Gray, Bot. Wilkes US Explor. Exped. (1854) 658; --Merr., PJS 3 c (1908) Bot. 84, t. 3; idem 6 c (1911) Bot. 384; --EPFP 3 (1923) 121. --Type:
Begonia philippinensis A DC, Prodr. 15, 1 (1864) 320; --Fern.-Villar, Novis. App. (1880) 98; --Vidal, Phan. Cuming. Philip. (1885) 116; Rev. Pl. Vasc. Filiip. (1886) 143. --Type:
LUZON: Laguna, Quezon. Primary forests, altitude 700-1400m.

Begonia dolichotricha Merr., PJS 17 (1920) 292; EPFP 3 (1923) 122. --Type: BS 33926 Ramos & Edaño (US*, iso). Luzon: Camarines Sur prov., Mt. Bagacay, forested slopes, altitude c. 650m, 18 Dec 1918.
LUZON: Aurora (Mt Alzapan, *BS 45673, Ramos & Edaño, B**), Camarines Sur (Mt Bagacay).

Begonia edanoi Merr., PJS 13 c (1918) Bot. 314; EPFP 3 (1923) 122. --Type: BS 29374 Ramos & Edaño (NY*, US*, iso). Luzon: Rizal prov., Mt. Susong-Dalaga, Aug 1917.
LUZON: Rizal (Mt Susong Dalaga; Mt Irid). Primary forests at medium altitudes, climbing on trees.

Begonia elatostematoides Merr., PJS 7 c (1912) Bot. 309; EPFP 3 (1923) 122. --Type: BS 8232 Merrill (US*, iso). Mindanao: Zamboanga prov., Nov-Dec 1911.
MINDANAO: Zamboanga. Damp shaded ravines and forested slopes, 800-1000m.

Begonia elmeri Merr., PJS 13 c (1918) Bot. 39; EPFP 3 (1923) 122; --*Begonia peltata* Elmer, LPB 7 (1915) 2556, non A DC. --Type: Elmer 14183.

MINDANAO: Agusan del Norte (Mt Hilong-hilong). Cliffs in shaded ravines, altitude c. 1050m.

Begonia esculenta Merr., PJS 6 c (1911) Bot. 389; EPFP 3 (1923) 122. --Type: BS 9449 CB Robinson (US*, iso). L
Aug 1909.

LUZON: Quezon (Mt Binuang). Mossy forests, c. 800m.

Begonia everettii Merr., PJS 6 c (1911) Bot. 390; EPFP 3 (1923) 122. --Type: FB 5587 Everett (not seen). Negros: Negros Occidental prov., Sicaba, Daluapan River, 12 Nov 1906.

LUZON: Quezon, PANAY, NEGROS, SAMAR. Low altitude primary forests.

Begonia fasciculiflora Merr., PJS 6 c (1911) Bot. 376; EPFP 3 (1923) 122.—Type: FB 9316 Whitford & Hutchinson (not seen). Mindanao: Zamboanga del Sur prov., Port Banga, in canyons, altitude 5-30m, 13 Jan 1906.

MINDANAO: Zamboanga del Sur. Forested ravines at low altitudes.

Begonia fenicis Merr., PJS 3 c (1908) Bot. 421; EPFP 3 (1923) 122. --Type: BS 3619 E Fenix (US*, isosyntype). Batan: Sto Domingo de Basco, 30 May 1907.

S Ryukyus, Taiwan (Lanyu) and the Philippines.

BATAN, BABUYAN ISLS, BALABAC (*Merrill 5375*, B*), SAMAR (*Merrill 5237bis*, B*). On cliffs and boulders at low altitudes.

Begonia georgei Coyle, Edinburgh J. Bot. 66(2) (2009) 209-210, Fig. 2, map.

Begonia gitingensis Elmer, LPB 2 (1910) 738; --Merr., PJS 6 c (1911) Bot. 401; EPFP 3 (1923) 122. --Type: Elmer 12368 (US*, NY*, iso). Sibuyan: Mt. Guiting-guiting, Apr 1910.

SIBUYAN (Mt Giting-giting). Shaded ravines along small streams, c. 525m.

Begonia gracilipes Merr., PJS 6 c (1911) Bot. 405; EPFP 3 (1923) 123. --Type: BS 7395 Ramos (US*, iso). Luzon: Cagayan prov., Claveria, on trees in forest, 13 Mar 1909.

LUZON: Cagayan, CATANDUANES. Climbing on trees in damp primary forests at low altitudes.

Begonia halconensis Merr., PJS 6 c (1911) Bot. 385; EPFP 3 (1923) 123. --Type: Merrill 5515 (NY*, US*, iso). Mindoro: Mindoro Oriental prov., Mt. Halcon, on steep, damp forested slopes, altitude 1800m, Nov 1906.

MINDORO: Mindoro Oriental (Mt Halcon). Primary forests, altitude 1100-1800m.

Begonia hernandioides Merr., PJS 6 c (1911) Bot. 392; EPFP 3 (1923) 123. --Type: BS 7393 Ramos (US*, iso). Luzon: Cagayan prov., Claveria, on rocks along streams, Mar 1909.

LUZON: Ilocos Norte (Bangui, *BS 43571 McGregor*, K*), Cagayan, **Tayabas**. On cliffs and bowlers in shaded ravines at low or medium altitudes.

Begonia incisa DC, Ann. Sci. Nat. Bot. iv, 11 (1859) 129; Prodr. 15, 1 (1864) 321; --Fern.-Villar, Novis. App. (1880) 99; --Merr., PJS 6 c (1911) Bot. 382; EPFP 3 (1923) 123. --Type:

LUZON: Zambales, Quezon, Camarines, Sorsogon, PANAY, NEGROS. On banks and cliffs in primary forests at low and medium altitudes.

Begonia isabelensis Quisumb. & Merr., PJS 37 (1928) 173. --Type: BS 47207 Ramos & Edaño (NY*, US*, iso). Luzon: Isabela prov., San Mariano, on rocks along forested streams, 14 Mar 1926.

LUZON: Isabela (San Mariano).

Begonia jagori Warb. in Perkins' Frag. Fl. Philip. (1904) 54; --Merr., PJS 6 c (1911) Bot. 382; EPFP 3 (1923) 123. --Syntypes: Jagor 889 (B*) and 890 (B*). Luzon: no further locality data but according to Merrill (1923) 'probably Tayabas' [=Quezon prov.]. Coll. 1861,

LUZON: **prob. Tayabas**, MINDORO. In primary forests at low altitudes.

Begonia klemmei Merr., PJS 6 c (1911) Bot. 402; EPFP 3 (1923) 123. --Type: FB 5677 Klemme (US*, iso). Luzon: Moun
Nov 1906.

LUZON: Mountain Province, Benguet. On cliffs and boulders, altitude 1400-2000m.

Begonia lacera Merr., PJS 10 c (1915) Bot. 49; EPFP 3 (1923) 123.—Type: BS 16111 Reillo
BASILAN. Low altitude primary forests.

Begonia lagunensis Elmer, LPB 2 (1910) 735; --Merr., PJS 6 c (1911) Bot. 406; EPFP 3 (1923) 123.
--Type: Elmer 9327 (US*, NY*, syntypes). Luzon: Quezon prov., Lucban, May 1907.

LUZON: Rizal, Laguna, Quezon, Camarines, MINDORO, NEGROS, SAMAR. Medium altitude primary forests, climbing on trees.

Begonia lancifolia Merr., PJS 10 c (1915) Bot. 48; EPFP 3 (1923) 123. --Type: BS 16162 Reillo.
BASILAN. Low altitude primary forests.

Begonia lancilimba Merr., PJS 14 (1919) 424; EPFP 3 (1923) 123. --Type: BS 32232 McGregor
(US*, iso). Panay: Antique prov., May-Aug 1918.

PANAY: Antique, Mossy forests, altitude 900-1000m.

Begonia latistipula Merr., PJS 10 c (1915) Bot. 51; EPFP 3 (1923) 123. --Type: BS 15367 Ramos
(US*, iso). Leyte: Dagami, forest near the summit of Mt Burauí, Aug 1912.

BILIRAN, LEYTE, SAMAR. Medium altitude primary forests.

Begonia leptantha C Robinson, PJS 6 c (1911) Bot. 211; idem. 281; EPFP 3 (1923) 124. --Type: BS
6857 CB Robinson (B*, NY*, US*, iso). Polillo, Aug 1909.

LUZON: Quezon (Mt Binuang; Mahabang Sugsugan River along Siniloan-Infanta Road),
POLILLO. Lowland forests along streams.

Begonia leucosticta Warb. in Perkins' Frag. Fl. Philip. (1904) 55; --Merr., EPFP 3 (1923) 124. --Type:
Warburg 12004 (B*, holo). Luzon: Isabela prov., Digamai [=Dicamay in present-day Jones
municipality].

LUZON: Benguet, Isabela, BUCAS GRANDE. In thickets on cliffs, from near sea-level to
1400m altitude,

Begonia littleri Merr., PJS 6 c (1911) Bot. 379; EPFP 3 (1923) 124. --Type: DeVore & Hoover 92 (US*,
iso). Basilan: Basilan prov., Isabela, along banks of streams at an altitude of c. 90m, Apr 1903.

Note: Although the type number is cited in the protologue as 'DeVore & Hoover 94', LB Smith (in
annot. on the US sheet cited above) believes this to be a typographical error.

BASILAN, MINDANAO: Zamboanga. Lowland forests along streams.

Begonia loheri Merr., PJS 6 c (1911) Bot. 382; EPFP 3 (1923) 124. --Syntypes: Loher 6090 (B*, US*)
and 6098 (K*). Luzon: Rizal prov., Angilog, 15 Mar 1906

LUZON: Rizal (Angilog). Apparently known only from a few collections at the type
locality.

Begonia longibractea Merr., PJS 17 (1920) 293; EPFP 3 (1923) 124 (as 'longibracteata'). --Type:
BS 34870 Ramos & Pascasio (US*, iso). Siargao. Jun 1919.

SIARGAO. Forested slopes at low altitudes.

Begonia longinoda Merr., PJS 6 c (1911) Bot. 397; EPFP 3 (1923) 124. --Type: BS 13372 Ramos.
Luzon: Quezon prov. Tagkawayan, c. 200m, Mar 1911.
LUZON: Quezon (Tagkawayan). Lowland primary forests, c. 200m.

Begonia longiscapa Warb. in Perkins' Frag. Fl. Philip. (1904) 52; --Merr., EPFP 3 (1923) 124. --Type:

Begonia longistipula Merr., PJS 6 c (1911) Bot. 379; EPFP 3 (1923) 124. --Type: Bolster 248 (not seen). Mindanao: Surigao del Norte prov., near Surigao, altitude c. 125m, Feb and Apr 1906.
SAMAR, MINDANAO: Surigao del Norte. Low altitude primary forests.

Begonia longivillosa DC, Ann. Sci. Nat. Bot. iv, 11 (1859) 130; --Merr., EPFP 3 (1923) 124. --Type:

Begonia luzonensis Warb. in Perkins' Frag. Fl. Philip. (1904) 52; --Merr., EPFP 3 (1923) 124.
Begonia bakeri Elmer, *non* DC, --Type:

Begonia macgregorii Merr., PJS 7 c (1912) Bot. 310; EPFP 3 (1923) 124. --Type: BS 11334 RC
McGregor (US*, iso). Luzon: Nueva Vizcaya prov., Dupax, Mar-Apr 1912.
LUZON: Nueva Vizcaya. Along small streams in primary forests at medium altitudes.

Begonia malindangensis Merr., PJS 6 c (1911) Bot. 391; EPFP 3 (1923) 125. --Type: FB 4563
Mearns & Hutchinson (NY*, US*, iso). Mindanao: Misamis Occidental prov., Mt. Malindang, in forest, altitude c. 1800m, May 1906.
MINDANAO: Misamis Occidental (Mt Malindang), Bukidnon, Davao. Forests, altitude c. 1800m.

Begonia manillensis DC, Ann. Sci. Nat. Bot. iv, 11 (1859) 129; --Merr., EPFP 3 (1923) 125. --Type:

Begonia mearnsii Merr., PJS 6 c (1911) Bot. 383; EPFP 3 (1923) 125. --Type:

Begonia megacarpa Merr., PJS 9 c (1914) Bot. 378; EPFP 3 (1923) 125. --Type:
LUZON: Nueva Ecija, Camarines, LEYTE, MINDANAO: Agusan. Climbing on trees in primary forests at low and medium altitudes.

Begonia magalantha Merr., PJS 10 c (1915) Bot. 47; EPFP 3 (1923) 125. --Type:

Begonia merrittii Merr., PJS 5 c (1910) Bot. 365; EPFP 3 (1923) 125. --Type: Elmer 6254 (US*, iso).
Luzon: Benguet prov., Mt Sto Tomas, May 1904.
LUZON: Mountain Province, Benguet (Pauai; Mt Pulag; Mt Lusod; Mt Sto Tomas; Mt Ugo). Mossy forests above the pine regions on the higher mountains, altitude 1500-2400m. Common.

Begonia mindanaensis Warb. in Perkins' Frag. Fl. Philip. (1904) 55; --Merr., PJS 6 c (1911) Bot. 376; EPFP 3 (1923) 125. --Type: Warburg 14633 (B, holo). Mindanao: Davao del Sur prov., Mt Dagatpan (near Mt Apo), Jun 1888.
LEYTE, MINDANAO: Zamboanga, Lanao, Bukidnon, Davao del Sur, Agusan del Norte, Surigao del Norte, SIARGAO. Low and medium altitude primary forests, apparently common.

Begonia mindorensis Merr., PJS 6 c (1911) Bot. 396; EPFP 3 (1923) 125. --Type:

Begonia negrosensis Elmer, LPB 2 (1910) 736; --Merr., PJS 6 c (1911) Bot. 385; EPFP 3 (1923) 125. --Type: Elmer 9903 (NY*, MO*, US*, iso). Negros: Negros Oriental prov., Cuernos Mtns., Jun 1908 (Apr 1908 according to protologue).

LUZON: Pampanga (Mt Pinatubo, *Elmer 21492*, K*), PANAY: Aklan (Libacao), NEGROS: Negros Occidental (Mt Kanlaon), Negros Oriental (Cuernos Mtns). Forests up to 1200m.

Begonia neopurpurea LB Sm. & DC Wasshausen, Phytologia 52 (1983) 445.

Begonia purpurea Elmer, LPB 10 (1939) 3707, *non* Sw., 1788. --Type: Elmer 16565 (NY*, iso). Luzon: Sorsogon prov., Mt. Bulusan, Jul 1916.

Begonia nigritarum Steudel, Nomencl. (1821) 104; --Merr., EPFP 3 (1923) 126.

Begonia oblongata Merr., PJS 7 c (1912) Bot. 310; EPFP 3 (1923) 126. --Type: Merrill 8166 (US*, iso). Mindanao: Zamboanga **District**, Nov-Dec 1911.

Begonia obtusifolia Merr., PJS 14 (1919) 425; EPFP 3 (1923) 126. --Type: BS 30803 Ramos & Edaño (US*, iso). Panay: Capiz prov., Mt. Macosolon.

PANAY: Capiz. On boulders in damp forests, c. 150m.

Begonia oligantha Merr., PJS 10 c (1915) Bot. 50; EPFP 3 (1923) 126. Type: BS 15733 E Fenix (US*, iso). Mindanao: Bukidnon prov.

Begonia oxysperma DC, Ann. Sci. Nat. Bot. iv, 11 (1859) 122; --Merr., EPFP 3 (1923) 126. --Type: LUZON: Mountain Province, Ifugao (Mt Polis), Benguet (Baguio; Mt Sto. Tomas), Rizal, Quezon (Mt Banahaw & San Cristobal), Laguna (Mt Makiling). Primary forests, on trees or cliffs, 400-1900m.

Begonia palawanensis Merr., PJS 6 c (1911) Bot. 380; EPFP 3 (1923) 126. --Type: BS 7232 Merrill (US*, L*, Iso). Palawan (west coast): Puerto Princesa, Napsahan, altitude c. 4m, 19 Sept 1910.

PALAWAN. Along small streams in low altitude primary forests.

Begonia panayensis Merr., PJS 14 (1919) 428; EPFP 3 (1923) 127. --Type: BS 32309 RC McGregor (US*, iso). Panay: Antique prov., Culasi, May-Aug 1918.

PANAY: Antique. Along shaded streams, c. 250m.

Begonia parva Merr., PJS 6 c (1911) Bot. 402; EPFP 3 (1923) 127. --Type: BS 5551 Ramos (US*, iso). Luzon: Benguet prov., Rio Trinidad (=Balili River), Dec 1908.

LUZON: Benguet (La Trinidad, along Balili River). On stream boulders, c. 1400m.

Begonia parvilimba Merr., PJS 26 (1925) 481; EPFP 4 (1925) 250. --Type: BS 36936 Ramos & Edaño (US*, iso). Mindanao: Zamboanga del Sur prov., Malangas, Oct-Nov 1919.

Begonia perryae LB Sm. & DC Wasshausen, Phytologia 52 (1983) 445; --*Begonia robinsonii* Merr., PJS 6 c (1911) Bot. 375, *non* Ridley, 1909. --Type: BS 6340 Robinson (not seen). Luzon: Camarines Sur prov., Maagnas, 28 Aug 1908.

LUZON: Camarines Sur. Low altitude forests.

Begonia pinamalayensis Merr., PJS 26 (1925) 482; EPFP 4 (1925) 250. --Type: BS 40856 Ramos (US), Mindoro: Mindoro Oriental prov., Pinamalayan.
MINDORO. Along forest streams.

Begonia platyphylla Merr., PJS 10 c (1915) Bot. 46; EPFP 3 (1923) 127. --Type: BS 20074 RC McGregor (US*, iso). L

Begonia polilloensis Tebbitt, Edinburgh J. Bot. 61(2-3) (2004, publ. 12 Aug 2005) 99-101, Fig. 2. --Type: PNH 42651 (L, holo).
POLILLO, NEGROS

Begonia pseudolateralis Warb. in Perkins' Frag. Fl. Philip. (1904) 51; --Merr., PJS 2 c (1907) Bot. 285; idem. 6 c (1911) Bot. 374; EPFP 3 (1923) 127. --Type: Philippines, Sulawesi.
LUZON: Cagayan to Sorsogon, POLILLO, MINDORO, PANAY, LEYTE, CAMIGUIN, JOLO, BASILAN, MINDANAO. Low and medium altitude primary forests, ascending to 1200m.

Begonia quercifolia DC, Ann. Sci. Nat. Bot. iv, 11 (1859) 129; --Merr., EPFP 3 (1923) 127. --Type: Cuming 1696 (K*, 2 sheets, holo and iso not specified). Samar, coll. 1841.
Begonia leytensis Elmer, LPB 2 (1910) 730; --Merr., PJS 6 c (1911) Bot. 384. --Type: Elmer 7255 (K*, MO*, NY*, US*, iso). Leyte: Leyte prov., Palo, Jan 1906.
LEYTE (Palo), SAMAR (Catubig River). Lowland forests along streams.

Begonia ramosii Merr., PJS 6 c (1911) Bot. 388; EPFP 3 (1923) 127. --Type: BS 10942 Ramos (not seen). Luzon: Laguna prov., San Antonio, in forest, Aug 1910. Additional materials seen BS 10941 Ramos (K*).
LUZON: Laguna (San Antonio; Paete). Low altitude damp primary forest.

Begonia rizalensis Merr., PJS 6 c (1911) Bot. 388; EPFP 3 (1923) 127. --Type: BS 12109 Ramos (US*, iso). Luzon: Rizal
LUZON: Rizal (Montalban; San Isidro). In primary forests, probably at medium altitudes.

Begonia rubrifolia Merr., PJS 14 (1919) 426; EPFP 3 (1923) 127. --Type: BS 32430 RC McGregor (B*, iso). Panay: Antique prov., Culasi, alt. c. 1000m, 7 Jun 1918.
PANAY: Antique (Culasi). Forests, c. 1000m.

Begonia rufipila Merr., PJS 6 c (1911) Bot. 393; EPFP 3 (1923) 127. --Type: FB 5665 Klemme (US*, iso). Luzon: Ilocos Sur prov., Dolores (NB: this is now part of the province of Abra), 31 Oct 1906.
LUZON: Ilocos Range along W Abra. Damp limestone boulders in shaded places, c. 200m.

Begonia samarensis Merr., PJS 30 (1926) 413. --Type: BS 43757 McGregor (NY*, US*, iso) Samar: Western Samar prov., Loquilocon, hillside forests, c. 250m. Jun 1924.
SAMAR (Loquilocon). Low altitude forests on limestone.

Begonia sarmentosa LB Sm. & DC Wasshausen, Phytologia 52 (1983) 443; --*Begonia elegans* Elmer, LPB 7 (1915) 2554; --Merr., EPFP 3 (1923) 122, *non* Humboldt, Bonpland & Kunth (1825). --Type: Elmer 13672 (iso in MO*, NY (2 sheets)*, US*). Mindanao: Agusan del Norte prov., Cabadbaran, Mt Urdaneta, Cawilanan, alt. 4250 ft [=1295m], Sept 1912.
MINDANAO: Agusan del Norte (Mt Urdaneta). Forested ravines, alt. 1250m. Probably not distinct from the very close *B. aequata* A. Gray of Luzon.

Begonia serpens Merr., PJS 14 (1919) 427; EPFP 3 (1923) 128. --Type: BS 32588 RC McGregor (US, iso). Panay: Antique prov., May-Aug 1918.

Begonia sorsogonensis Elmer *ex* Merr., EPFP 3 (1923) 121. --Type:
LUZON: Sorsogon

Begonia suborbiculata Merr., PJS 6 c (1911) Bot. 398; EPFP 3 (1923) 128. --Type: Merrill 7229 (US*, iso). Palawan, Sept 1910.

Begonia subprostrata Merr., PJS 26 (1925) 478; EPFP 4 (1925) 250. --Type: BS 36977 Ramos & Edaño (US*, iso). Mindanao: Zamboanga del Sur prov., Malangas, Oct-Nov 1919.

Begonia subtruncata Merr., PJS 6 c (1911) Bot. 390; EPFP 3 (1923) 128. --Type: Loher 6076 (not seen). Luzon: La Union prov., Castilla, Mar 1906.
LUZON: La Union. In forests.

Begonia tayabensis Merr., PJS 13 c (1918) Bot. 38; EPFP 3 (1923) 128. --Type: BS 29054 Ramos & Edaño (NY*, US*, iso). Luzon: **Tayabas** prov., May-Jun 1917.

Begonia trichochila Warb. in Perkins' Frag. Fl. Philip. (1904) 53; --Merr., EPFP 3 (1923) 128. --Type:

Begonia urdanetensis Elmer, LPB 7 (1915) 2559; --Merr., EPFP 3 (1923) 128. --Type: Elmer 13819 (NY*, MO*, US*, iso). Mindanao: Agusan del Norte prov., Mt. Urdaneta (=Mt Hilong-hilong), Sept 1912.
MINDANAO: Agusan del Norte. Primary forests, c. 1500m.

Begonia vanoverberghii Merr., PJS 6 c (1911) Bot. 403; EPFP 3 (1923) 128. --Type:

Begonia wadei Merr. & Quisumb., Addisonia 17 (1932) 57, pl. 573. --Type: BS 78301 WH Brown (NY*, iso). Coron Island, Dec 1929.
CORON. Exposed coastal coralline limestone, which at times may be subject to salt spray. Known only from the type locality.

Begonia weberi Merr., PJS 6 c (1911) Bot. 381; EPFP 3 (1923) 128. --Type: Weber 1210 (not seen). Mindanao: Agusan del Norte prov., Mt Hilong-hilong, rocky slopes in ravines, c. 450m, Mar 1911.
MINDANAO: Agusan del Norte (Mt Hilong-hilong). Rocky slopes in forested ravines, c. 450m.

Begonia wenzelii Merr., PJS 10 c (1915) Bot. 277; EPFP 3 (1923) 128. --Type:

Begonia wilkiei C Coyle, --Type: C Coyle sn (E, holo). Palawan

Begonia woodii Merr., PJS 26 (1925) 478; EPFP 4 (1925) 250. --Type: Merrill 11589 (US). Palawan: Malampaya Bay (Sound).
PALAWAN. Primary forests on cliffs.

Begonia zamboangensis Merr., PJS 26 (1925) 481; EPFP 4 (1925) 250. --Type: BS 37371 Ramos & Edaño (US, iso). Mindanao: Zamboanga del Sur prov., Malangas, Nov 1919.
MINDANAO: Zamboanga del Sur (Malangas). Forested small stream banks at low

altitudes.

Dubious taxon.

Begonia porteana van Geert, Cat. (1881) 90, descriptione inchoata; --LB Sm. et al., Smiths. Contr.
Bot. no. 60 (1986) 218.