

MALPIGHIACEAE

By W. R. Anderson, based on a preliminary list by B. Dubs.

Specimens marked with the exclamation point (!) have been verified by W. R. Anderson or C. Anderson; those without any mark have not been verified, but are likely to be correctly identified; those marked with an asterisk (*) have not been verified and may be misidentified.

References:

- Moore, S. Trans. Linn. Soc. 2nd ser., 4 (1895) 323–331.
 Niedenzu, F. Malpighiaceae. In Engler, Pflanzenreich IV, 141 (1928) 1–870.
 Hoehne, Ind. Bibl. Num. Pl. Col. Com. Rondon (1951) 249–256.
 Chase, M. W. A revision of *Dicella* (Malpighiaceae). Syst. Bot. 6 (1981) 159–171.
 Anderson, C. A monograph of the genus *Peixotoa* (Malpighiaceae). Contr. Univ. Michigan Herb. 15 (1982) 1–92.
 Gates, B. *Banisteriopsis*, *Diplopterys* (Malpighiaceae). Fl. Neotr. Monogr. 30 (1982) 1–237.
 Johnson, D. M. Revision of the neotropical genus *Callaeum* (Malpighiaceae). Syst. Bot. 11 (1986) 335–353.
 Anderson, C. Revision of *Thryallis* (Malpighiaceae). Contr. Univ. Michigan Herb. 20 (1995) 3–14.
 Anderson, C. Revision of *Pterandra* (Malpighiaceae). Contr. Univ. Michigan Herb. 21 (1997) 1–27.
 Anderson, C. Monograph of *Stigmaphyllon* (Malpighiaceae). Syst. Bot. Monogr. 51 (1997) 1–313.

Aspicarpa salicifolia (Chod.) Nied. in Verz. Vorles. Ak. Braunsberg W.-S. 1912–1913 (1912) 59; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 558.

Campo Alegre, Mun. Rio Brilhante, Hatschbach 25228! (MBM, NY, P)

Aspicarpa sericea Griseb., Abh. Königl. Ges. Wissensch. Göttingen 24 (1879) 68; non A. sericea (St.-Hil.) Nied., 1912.

Capão Bonito, Archer & Gehrt 102! (SP, US)

Porto Murtinho, 20–30 km E, Hatschbach 51644* (MBM, S)

Banisteriopsis acerosa (Nied.) B. Gates, Fl. Neotr. Monogr. 30 (1982) 74. — *Banisteria acerosa* Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 426.

2 km SW of Camapuã, Anderson 11177! (MBM, MICH, NY)

Serra da Petrolina, mun. Alto Garças, Anderson 11387! (MBM, MICH)

Terenos, Hatschbach 23706! (MBM, MICH, P)

Campo Grande-Cuiabá, Hatschbach 31940! (MBM, MICH, NY)

Serra da Petrolina, mun. Rondonópolis, Hatschbach 34723! (MBM, MICH, Z)

BR-165, km 811, mun. Sonora, Hatschbach 62171! (MICH)

40 km E of Aquidauana, Krapovickas 32916! (MBM, MICH)

Banisteriopsis amplexans B. Gates, Fl. Neotr. Monogr. 30 (1982) 189.

Córrego Rancho, mun. Alto Araguaia, Hatschbach 34693!

(holotype, MBM; isotypes, MICH, Z)

Taquari, mun. Alto Araguaia, Hatschbach 35026! (MBM, MICH, Z)

5 km N of Buriti, Mori et al. 16788! (MICH)

BR-163 Km 674, road to Cuiabá, Occhioni 7298! (MICH)

Banisteriopsis argyrophylla (Adr. Juss.) B. Gates, Fl. Neotr. Monogr. 30 (1982) 61. — *Banisteria argyrophylla* A. St.-Hil., Fl. Bras. Merid. 3 (1833) 45; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 416.

35 km ENE of Barra do Garças, Anderson 9680! (MBM, MICH, NY)

Rib. Claro, mun. Alto Araguaia, Anderson 11415! (MBM, MICH)

Terenos, Hatschbach 23705! (MBM, MICH, P)

Cel. Sapucaia, arredores, Hatschbach 46206! (MBM, MICH)

60 km N of Xavantina, Irwin 16004! (MBM, MICH, NY)

N of Xavantina, Irwin et al. 16673! (MICH)

S of Xavantina, Irwin et al. 16951! & 17140! (MICH)

Sta. Anna da Chapada, Malme 3328! (G, MICH, R, S)

Sta. Anna da Chapada, Malme s.n.! (S)

Xavantina-Cachimbo Expedition, Ratter 1243! (E)

Banisteriopsis cachimbensis B. Gates, Fl. Neotr. Monogr. 30 (1982) 185.

Mun. Colider, 30 km de Guarantan, Amaral et al. 827! (MICH)

BR-163, 10 km S of Pará border, Prance 25282! (MICH)

Banisteriopsis campestris (Adr. Juss.) E. L. Little, Phytologia 6 (1959) 506; Gates, Fl. Neotr. Monogr. 30 (1982) 93. — *Banisteria campestris* Adr. Juss. in A. St.-Hil., Fl. Bras. Merid. 3 (1833) 36, t. 168; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 418.

Mun. Rio Verde, 10 km sw., Anderson 11255! (MBM, MICH, Z)

58 km W of S. Paulo, mun. Bataguáçu, Anderson 11204! (MBM, MICH)

Serra da Petrolina, mun. Alto Garças, Anderson 11396! (MBM, MICH)

Chapada dos Guimarães, ca 5 km N of town, 15°27'S/53°43'W, Dubs 2074! (E, K, MICH, S, UFMT, Z)

38 km W de Ribas do Rio Pardo, Krapovickas & Cristóbal 34417! (MICH)

Mato Grosso, Philcox & Ferreira 3716! (IAN, K, MO, NY, RB)

Entroncamento Cuiabá-Santarém-Pôrto Velho, Silva & Pinheiro 4477! (MICH)

Mato Grosso, Hoehne 5801! (R)

Banisteriopsis confusa Gates, Fl. Neotr. Monogr. 30 (1982) 80. — *Banisteria velutina* Adr. Juss. Malp. Syn. (1840) 282; non *Banisteria velutina* Colla, 1833.

Serra da Pimenteira, mun. Rio Verde, Anderson 11277! (holotype, MBM; isotypes, MICH, NY)

Sete Quedas, Rio Verde, Anderson 11260! (MICH)

Serra de Maracaju, mun. Aquidauana, Hatschbach 23759! (MBM, MICH, Z)

Piraputanga, mun. Aquidauana, Hatschbach 24295! (MICH)

BR163, mun. Bandeirante, Hatschbach 33946! (MBM, MICH, Z)

Caracol, 30 km w., Hatschbach 49208! (MBM, MICH, Z)

Xavantina-Cachimbo Expedition: Philcox 4697!, 4724! (K)

Banisteriopsis gardneriana (Adr. Juss.) W. R. Anderson & B. Gates, Contr. Univ. Michigan Herb. 11 (1975) 54; Gates, Fl. Neotr. Monogr. 30 (1982) 152. — *Banisteria gardneriana* Adr. Juss. in Arch. Mus. III (1843) 421; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 409. — *Banisteria monostyla* Niedenzu in Arb. Bot. Inst. Ak. Braunsberg 8 (1926) 61.

Xavantina-Cachimbo Expedition: Argent in Richards 6478!, 6646! (IAN, K, NY)

Patronal, Cid et al. 4444! (MICH)

Parecis, 15°S, 58°45'W, Pires 16366! (MICH)

Charravascal, Pires 17125! (MICH)

Xavantina-Cachimbo Expedition, Ratter 32! (K, NY)

Juruena, Hoehne 1898*, 1909* [*B. monostyla* Niedenzu]

Banisteriopsis laevifolia (Adr. Juss.) Gates, Fl. Neotr. Monogr. 30 (1982) 57, fig. 9. — *Banisteria laevifolia* Juss. in A. St.-Hil., Fl. Bras. Merid. 3 (1833) 38; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 414. — *Heteropterys micans* Skottsb. in Sv. Vet. Akad. Handl. 35, 6 (1901) 26.

Rio Sta. Luzia, mun. Rio Brilhante, Anderson 11235! (MBM, MICH)

BR364, mun. Cuiabá, Anderson 11328! (MBM, MICH, Z)

Vicinity of Santo Antônio de Leverger, Anderson 11341! (MICH)

Rib. Claro, mun. Alto Araguaia, Anderson 11399! (MBM, MICH)

10 km E of Rio Verde, Anderson 11417! (MBM, MICH)

Serra do Roncador, mun. Pedro Gomes, Hatschbach 34022! (MBM, MICH)

60 km N of Xavantina, Irwin 16669! (MBM, MICH, NY)

Sta. Cruz da Barra dos Bugres, Lindman 2851! (holotype, S;

isotypes, A, MO, NY, US, Z), type of *Heteropterys micans* Skottsb.

Xavantina-Cachimbo Expedition, Philcox & Ferreira 4446! (NY)

Xavantina-Cachimbo Expedition, Ratter 1065! (E, NY)

Cuiabá, Hoehne 4803!

Cuiabá, Pilger 195

Salto de Sepotuba, Hoehne 1574, 1575

Banisteriopsis longipilifera B. Gates, Fl. Neotr. Monogr. 30 (1982) 56.

BR262, mun. Aquidauana, Hatschbach 38613! (MBM, MICH, Z)

23 km E of Aquidauana, Krapovickas 32895! (MBM, MICH)

23 km E of Aquidauana, Krapovickas 32897! (holotype, MICH;

isotypes, CTES, MBM)

Banisteriopsis lutea (Griseb.) Cuatrec., Ciencia [Mexico] 23 (1964) 141; Gates, Fl. Neotr. Monogr. 30 (1982) 168. — *Banisteria lutea* Griseb. in Linnaea 22 (1849) 15; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 443. — *Banisteria praecox* Griseb., Kjøb. Vidensk. Meddel. 27 (1875) 133.

Mato Grosso, Cáceres, Hoehne 169! (SP), 170! (R)

Poconé, Schessl 3414! (MICH)

Corumbá, Silva s.n.! (MICH)

Banisteriopsis megaphylla (Adr. Juss.) B. Gates, Fl. Neotr. Monogr. 30 (1982) 89. — *Banisteria megaphylla* Adr. Juss. Malp. Syn. (1840) 282; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 418.

Mun. Rio Verde, Anderson 11249! (MBM, MICH, Z)
Serra da Pimenteira, mun. Rio Verde, Hatschbach 33981! (MBM, MICH, Z)
Xavantina-Cachimbo Expedition, Philcox 3862! (K, NY)
Xavantina-Cachimbo Expedition, Ratter 896! (K)
Xavantina-Cachimbo Expedition, Ratter 1338! (IAN, K, MO, NY, RB)

Banisteriopsis muricata (Cav.) Cuatrec., Webbia 13 (1958) 503; Gates, Fl. Neotr. Monogr. 30 (1982) 120. — *Banisteria muricata* Cav. Diss. 9 (1790) 423; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 438.

Rio Sta. Luzia, mun. Rio Brilhante, Anderson 11234! (MBM, MICH, Z)
de Pontes e Lacerda a Vila Bela, Carreira et al. 687! & 832! (MICH)
Pantanal do Rio Negro, Dubs 160! (MICH, S, Z)
Amambai, rd. para Tacuri, Hatschbach 46217! (MBM, MICH, Z)
Jauru, Hatschbach 62412! (MICH)
Pantanal de Cáceres, Schessl 010492-2-1! (MICH)
Sta. Anna da Chapada, Malme s.n.! (R, S)

Banisteriopsis nummifera (Adr. Juss.) B. Gates, Fl. Neotr. Monogr. 30 (1982) 147. — *Banisteria gardneriana* var. *nummifera* (Adr. Juss.) Niedenzu in Ind. Lect. Lyc. Reg. Hos. Brunsberg. p. hiem. 1900–1901 (1900) 9; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 410.

Mato Grosso, Archer & Gehrt 127! (SP, US)
Xavantina Expedition, Argent in Richards 6663! (NY)
Xavantina Expedition, Harley & Souza 10034! (NY)
Sta. Anna da Chapada, Robert 523!

Banisteriopsis oxyclada (Adr. Juss.) B. Gates, Fl. Neotr. Monogr. 30 (1982) 126. — *Banisteria oxyclada* Adr. Juss. Malp. Syn. (1840) 282; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 430.

Sta. Anna da Chapada, Malme s.n.! (MICH, S)
Sta. Anna da Chapada, Malme 3414! (S)

Banisteriopsis paraguariensis B. Gates, Fl. Neotr. Monogr. 30 (1982) 64. fig. 12.

Ponta Porã, 35 km E, Hatschbach 38669! (MBM, MICH)
Lagoa Bonita, mun. Amambai, Hatschbach 45881! (MBM, MICH)
Pacori, mun. Ponta Porã, Hatschbach 45931 (MBM, MICH, Z)
68 km de Ponta Porã, camino a Dourados, Krapovickas & Cristóbal 34303! (MICH)

Banisteriopsis prancei B. Gates, Fl. Neotr. Monogr. 30 (1982) 116, fig. 26.

Barra da Garças, Anderson 9910! (MICH)
Patronal, 15 km from Rondônia, Cid et al. 4393! (MICH)
Chapada dos Guimarães, Dubs 1519! (MICH, Z)
Sta. Anna da Chapada, Malme 3386! (MICH, S)
+ additional collections from Mato Grosso cited by Gates in her monograph

Banisteriopsis pubipetala (Adr. Juss.) Cuatrec., Ciencia [Mexico] 23 (1964) 142; Gates, Fl. Neotr. Monogr. 30 (1982) 191. — *Banisteria pubipetala* Adr. Juss. in A. St.-Hil., Fl. Bras. Merid. 3 (1833) 41; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 446.

Mun. Bataguáçu, Anderson 11206! (MICH)
Rondonópolis, Anderson 11308! (MICH)
Xavantina-Cachimbo Expedition, Argent in Richards 6448! (K)
Faz. Barranco Alto, mun. Aquidauana, Dubs 1008! (MICH, Z)
Xavantina-Cachimbo Expedition, Fonseca 1064! (K, NY, UB)
Xavantina-Cachimbo Expedition, Harley 10913! (K)
Mun. Campo Grande, Hatschbach 21853! (MBM, MICH, P, Z)
Corrego Feio, mun. Bataguáçu, Hatschbach 23551! (MICH)
Porto XV, mun. Bataguáçu, Hatschbach 24531! (MBM, MICH)
Sete Quedas, mun. Rio Verde, Hatschbach 32393! (MBM, MICH, Z)
Cáceres, Hoehne 2236!
10 km W of Alto Araguaia, Maguire et al. 56246! (MICH)
Cuiabá, Malme 1915! (S)
Sta. Anna da Chapada, Malme 2435! (S)
Xavantina-Cachimbo Expedition, Philcox 4199! (K)
Garapu airstrip, Prance 59176! (NY, S)
Xavantina-Cachimbo Expedition, Ratter 161!, 280! & 453! (K)
Fazenda Nhumirim, Pantanal subregion of Nhecolândia, Ratter et al. 5075! (E, MICH)
Pirizal, mun. Poconé, Schessl 3424! (MICH)
Cuiabá, Silva Manso 119!
Rio Sta. Luzia, mun. Rio Brilhante, Hatschbach 25211 (MBM)
Cuiabá, Riedel & Langsdorff 1103
Sta. Anna da Chapada, Moore 792, Robert 456, 437

Banisteriopsis pulchra B. Gates, Fl. Neotr. Monogr. 30 (1982) 108.

Serra das Araras, Fazenda Currupira, 15°10' S / 56° 51' W, Dubs 2258! (E, MICH, S, Z)
Rio Aquidauana, mun. Anastácio, Hatschbach 24328! (MICH, P, Z)
Bodoquena, mun. Miranda, Hatschbach 38646! (MICH)
Mun. Anastácio Hatschbach 62131! (MICH)
Gleba Fação, mun. Cáceres, Hatschbach 62279! (MICH)
Mato Grosso, Hoehne 1581! (SP)
Cuiabá-Vila Bela, Kirkbride & Lleras 3075! (MICH)
95 km W of Cuiabá, Krapovickas et al. 40101! (MICH)
Sta. Cruz da Barra, Lindman 2867! (F, G, GH, NY, S, US)

Banisteriopsis stellaris (Griseb.) B. Gates, Fl. Neotr. Monogr. 30 (1982) 71. — *Banisteria stellaris* Griseb. in Linnaea 13 (1839) 192; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 425.

Sete Quedas, Rio Verde, Anderson 11264! (MICH)
BR-163, mun. Rondonópolis, Anderson 11305! (MBM, MICH, Z)
Chapada dos Guimarães, Anderson 11376! (MICH)
Serra da Petrolina, mun. Alto Garças, Anderson 11389! (MBM, MICH, NY)
Casa Branca, mun. Rio Brilhante, Hatschbach 24267! (MBM)
BR163, mun. Camapuã, Hatschbach 31894! (MBM, NY, Z)
Serra da Petrovina, mun. Pedra Preta, Hatschbach 62845! (MICH)
Rio Turvo, 210 km N of Xavantina, Irwin et al. 16169! (MICH)
+ many others

Banisteriopsis variabilis B. Gates, Fl. Neotr. Monogr. 30 (1982) 83.

10 km SW of Rio Verde, mun. Rio Verde, Anderson 11252! (MBM, MICH)
Faz. Pedra, mun. Bataguáçu, Hatschbach 31867! (MBM, MICH, NY, Z)
BR163, mun. Rio Verde, Hatschbach 31945! (MBM, MICH, NY, Z)
BR-262, 25 km E of Aquidauana, Hatschbach 38612! (MBM, MICH)
40 km E of Aquidauana, Krapovickas & Schinini 32930! (MICH)
Campo Grande–Cuiabá, Km 674, Occhioni 7284! (MICH)
Campo Grande, Occhioni 7338! (MICH)

Banisteriopsis wurdackii B. Gates, Brittonia 31 (1979) 109; B. Gates, Fl. Neotr. Monogr. 30 (1982) 52.

Mato Grosso, Kuhlmann 441! (RB)

Bunchosia pallescens Skotts. in Sv. Vet. Akad. Handl. 35, 6 (1901) 32; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 654.

Rio Guaviral, mun. Bela Vista, Hatschbach 51611! (MBM, MICH, S)

Bunchosia paraguayensis Niedenzu in Bull. Herb. Boiss. sér. 2, 7 (1907) 295; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 653.

Pantanal do Rio Negro, Dubs 236! (MICH, Z)
Retiro Estrela, mun. Aquidauana, Dubs 1070! (MICH, Z)
Pantanal, Rio Jauru, Dubs 1263! (MICH, S, Z)
BR-364, ca 30 km SE of Pontes e Lacerda, 15°23'S/59°10'W, Dubs 2026! (MICH, S, UFMT, Z)

Byrsonima affinis W. R. Anderson, Contr. Univ. Michigan Herb. 15 (1982) 103, fig. 1.

Serra da Pimenteira, Rio Verde, Anderson 11274! (holotype, MBM; isotype, MICH, MO, NY)
mun. Alto Araguaia, vic. of Riberão Claro, NW of Alto Araguaia, Anderson 11404! (MICH)
BR-364, Km 113, Anderson 11323! (MICH)
Cuiabá-Vilhena, Bamps 5498! (MICH)
Chapada dos Guimarães, road to Radar Station, Dubs 1838! (E, ESA, K, S, UFMT, Z)
Chapada dos Parecis, mun. Arenópolis, Hatschbach 62769! (MICH)
Chapada dos Guimarães, Hatschbach 66619! (MICH)
Sta. Anna da Chapada, Malme 2318! (S)
Sta. Anna da Chapada, Malme s.n.! (S)
Xavantina-São Felix road, Santos et al. R 1244! (MO)
Entroncamento Cuiabá-Santarém-Pôrto Velho, Silva & Pinheiro 4419! (MICH)

Byrsonima arthropoda Adr. Juss., Malp. Syn. (1840) 335; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 713. — *Byrsonima indorum* S. Moore, Trans. Linn. Soc. 2nd ser., 4 (1895) 323.

Pantanal, Rio Pixaim, mun. Poconé, 16°45'S/56°51'W, Dubs 1235! (MICH, S, Z)
Rio dos Bugres, Moore 501! (holotype, BM; isotype, NY), type of *Byrsonima indorum* S. Moore
Transpantaneira Highway, Schaller 251! (NY)
Rod. Transpantaneira Poconé-Porto Jofre, Silveira & Silva s.n.! (MICH)
Porto Jofre, Poconé, Rio Cuiabá, Paula 1749! (MICH)

Byrsonima chrysophylla Kunth sens. lat.

Kunth in HBK., Nov. Gen. et Sp. 5 (1822) 150; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 704.

20 km NW of Jaciara, Anderson 11319! (MBM, MICH)
Riberão Claro, mun. Alto Araguaia, Anderson 11403! (MBM, MICH)
Vicinity of Vila Bela da Santíssima Trindade, Cid et al. 4382! 4450! (MICH)
Mun. São Felix do Araguaia, Cid Ferreira 6472! (MICH)
Fazenda Serra Formosa, Serra da Petrovina, mun. Pedra Preta, 16°41'S/54°09'W, Dubs 1183! (MICH, Z)
Serra das Araras, Vale do Currupira, near entrance to Faz. Currupira, 15°10'S/56°51'W, Dubs 1841! (K, UFMT, Z)
Mun. Barra do Garças, crest of Serra do Roncador, Eiten & Eiten 9592! (MICH)
Rib. Claro, mun. Alto Araguaia, Hatschbach 35074! (MBM, MICH, Z)
Chapada dos Guimarães, Hatschbach 37567! (MBM, MICH)
Mun. Chapada dos Guimarães, Hatschbach 63551!, 63682! & 63686! (MICH)
Mun. Barra do Bugres, Hatschbach 63802! (MICH)
Vicinity of Vila Bela da Santíssima Trindade, Hatschbach 65636! (MICH)
Vicinity of Xavantina, Irwin & Soderstrom 6370! (MICH); Irwin et al. 16999! (MICH)
Garapú, Irwin & Soderstrom 6518!, 6536! (MICH, NY)
Sta. Anna da Chapada, Malme 2097!, s.n.! (S)
Charravascal, 140 km N of Paranatinga, Pires & Furtado 17116! (MICH)
47 km N of Xavantina, Prance & Silva 59368! (MICH)
Serra da Petrovina, mun. Tatuape, 16°47'S/54°06'W, Ratter 7080! (MICH)
12 km from Rondonópolis on Cuiabá road, 16°29'S/54°37'W, da Silva et al. in Ratter 6996! (MICH)
Mun. Sinop, 11°42'S/55°42'W, Thomas et al. 3960! (MICH)

Byrsonima clauseniana Adr. Juss. Malp. Syn. (1840) 332; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 731.

1 km S of Rondonópolis, Anderson 11309! (MICH)
Faz. União, mun. Santa Terezinha, Cid Ferreira 6390! (MICH)
Ilha do Bananal, Pirani 1204! & 1236! (MICH)
Xavantina-Cachimbo Expedition, near base camp, Harley & Souza 10101!, 10514!, Sidney [Fonseca] 1135/Onishi 356! (NY)

Byrsonima coccolobifolia Kunth in HBK., Nov. Gen. et Sp. 5 (1822) 114; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 749.

BR257, mun. Bataguáçu, Anderson 11205! (MICH, Z)
Faz. Salina, mun. Aquidauana, Dubs 865! (MICH, Z)
Fazenda Serra Formosa, Serra da Petrovina, mun. Pedra Preta, 16°41'S/54°09'W, Dubs 1189! (E, MICH, Z)
BR-262, mun. Ribas do Rio Pardo, 20°32'S/54°17'W, Dubs 1325! (E, K, MICH, Z)
Serra das Araras, Vale do Currupira, mun. Alto Paraguai, 15°10'S/56°51'W, 22 Oct 1995 (fl), Dubs 1880! (E, K, MBM, MICH, S, UFMT, Z)
Rio Turvo, Irwin et al. 16183! (MICH)
85 km from Cuiabá toward Rondonópolis, Maguire et al. 56896! (MICH)
Cuiabá, Malme 1126! (S, Z)
Sta. Anna da Chapada, Malme 2239! (S)
Chapada dos Guimarães, Prance 18865! (MICH, S)
Chapada dos Guimarães, Prance 19063! (MICH, S)
10 miles from Buriti, road to Água Fria, Prance et al. 19315! (MICH)
*Cuiabá, Malme 2297 (S)
*BR163, mun. Sidrolândia, Hatschbach 25261 (MBM, Z)
*Serra da Pimenteira, mun. Rio Verde, Hatschbach 33120 (MBM)
*BR163, mun. Rio Verde, Hatschbach 33170 (MBM, Z)
*Vale de Sonhos, 80 km N of Barra do Garças on the road to Xavantina, *Ratter et al. 2264, 2284 (E)
*Xavantina-Cachimbo Expedition: Ratter 1973; Harley 10436; Philcox 3285, 3659; Ramos & Souza 108, 166 (K)

Byrsonima aff. coccolobifolia Kunth

Aguaes Quentes, mun. Rondonópolis, 16°12'S/54°52'W, Dubs 1306! (E, MICH, Z)
Pantanal do Rio Negro, Faz. Barranco Alto, mun. Aquidauana, 19°34'S/56°09'W, Dubs 1432! (Z)
Chapada dos Guimarães, road from Buriti to Água Fria, 15°22'S/55°47'W, Dubs 1937! (K, MICH, UFMT, Z)
S of Xavantina, Argent et al. 6537! & 6689! (K, NY), Harley 11088! (NY)

Byrsonima crassifolia (L.) Kunth in HBK., Nov. Gen. et Sp. 5

(1822) 149; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 718. — *Byrsonima fagifolia* Niedenzu in Arb. Bot. Inst. Lyc. Braunsberg I (1901) 20; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 725.

Serra Cobrinha, mun. Santa Terezinha, Thomas 4429! (MICH)
Mun. Rio Verde, Hatschbach 65357! (MICH)
Mun. Rio Brilhante, Hatschbach 33172! (MICH)
São Felix, Richards 6508! (K, NY)
Near Sta. Isabel, Ilha de Bananal, Richards 6512! (K, NY)
Cuiabá, Malme 2516! (S)
Sta. Anna da Chapada, Malme 2373! & s.n.! (S)

Byrsonima crispa Adr. Juss., Malp. Syn. (1840) 335; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 716.

Aripuanã, Silva & Pinheiro 4285! (MICH)

Byrsonima cydoniifolia Adr. Juss. in A. St.-Hil., Fl. Bras. Merid. 3 (1833) 77; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 731. — *Byrsonima cydoniaefolia* var. *cuneata* S. Moore, Trans. Linn. Soc. 2nd ser., 4 (1895) 323. — *Byrsonima orbignyana* Adr. Juss. Malp. Syn. (1840) 332; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 730.

Near Córrego Pindaival, mun. Cuiabá, Anderson 11335! (MICH)
Faz. Salina, mun. Aquidauana, Dubs 359!, 510!, Dubs & Kramer 1016! (Z)
Fazenda S.A. do Paraíso, mun. Itiquira, 17°36'S/55°24'W, Dubs 988! (MICH, Z)
Chapada dos Guimarães, Cachoeira Vêu da Noiva, 15°24'S/55°45'W, Dubs 1203! (MICH, Z)
near Porto Cercado, mun. Poconé, Dubs 1218! (MICH, Z)
Transpantaneira road, Pantanal, Rio Pixaim, mun. Poconé, 16°45'S/56°51'W, Dubs 1241! (MICH, Z)
Serra do Roncador, mun. Barra do Garças, Eiten & Eiten 8676! (NY)
Cuiabá-Sinop, mun. Diamantina, Cid Ferreira 6048! (MICH)
Rio Paraguai, Porto Manga, mun. Corumbá, Hatschbach 30475! (MICH)
Rio Corrente, mun. Barra do Garças, Hatschbach 40128! (MICH)
Mun. Corumbá, Hatschbach 60877! (MICH)
Nobles, Hatschbach 63993! (MICH)
Vicinity of Garapu, Irwin & Soderstrom 6421! (MICH)
Cáceres to S of Serra do Aguapei, Kirkbride & Lleras 3065! (MICH)
Cuiabá, Malme 1196B!, 1208B!, 2312!, 2533!, 2580 p.p.! (S)
Jangada, Moore 274! (BM), type of var. *cuneata* S. Moore
Rio Araguaia, mun. Sta. Terezinha, Pirani 1172! (MICH)
Sararé, Pires & Santos 16652! (MICH)
Chapada dos Guimarães, Prance 18893! (MICH)
Vicinity of Xavantina, Ratter 190!, 371!, Argent et al. 6439! (NY)
35 km S of Poconé, Ratter 5234! (MICH)
100 km SE of Corumbá, Ratter 5067! (MICH)
Sta. Cruz, Serra de Urucum, near Corumbá, Ratter 5970! (MICH)
Mun. Poconé, Schessl 2263!, 2360!, 3063! (MICH)
Rio Araguaia, mun. São Felix do Araguaia, Thomas et al. 4268! (MICH)
SW of Rio Cassangé on road to Porto Jofre, mun. Poconé, Thomas et al. 4567! (MICH)

Byrsonima hatschbachii W. R. Anderson, Contr. Univ. Michigan Herb. 15 (1982) 93, fig. 1.

Capão Seco, mun. Chapada dos Guimarães, Hatschbach 37593! (holotype, MBM; isotype, MICH, US)

Byrsonima intermedia Adr. Juss. in A. St.-Hil., Fl. Bras. Merid. 3 (1833) 82; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 706.

58 km W of São Paulo, mun. Bataguáçu, Anderson 11209! (MICH)
Serra Pimenteira, 30 km SW of Rio Verde, mun. Rio Verde, Anderson 11278! (MBM, MICH)
Rio Taquari, mun. Coxim, Anderson 11291! (MBM, MICH)
MT-246, between Pontes e Lacerda and Vila Bela da Santíssima Trindade, 15°09'S/59°34'W, Dubs 2010! (K, MICH, S, UFMT, Z)
Córrego do Sapé, mun. Alto Araguaia, Hatschbach 35029! (MICH, Z)
Faz. Douradinho, mun. Nova Andradina, Hatschbach 37394! (MICH, Z)
Rio Dourados, mun. Dourados, Hatschbach 38686! (MICH)
Mun. Amambai, Hatschbach 47203! (MICH)
Bela Vista-Caracol, Hatschbach 51573! (MICH)
18 km W of Tacuru, Hatschbach 58661! (MICH)
Serra de Maracaju, mun. Aquidauana, Hatschbach 63406! (MICH)
10 mi from Campo Grande, road to Cuiabá, Maguire 44498! (MICH)
Cuiabá, Malme 1114! (Z, S)
on the N bank of the Rio das Mortes, 6 km W of Xavantina, Ratter et al. 4120! (MICH, E)
Cuiabá, Malme 1282! (S)
Cuiabá, Malme 1674!, 2566!, 2580 p.p.!, s.n.! (S)
Cuiabá, Martius, Herb. Fl. Bras. 651! (BM)

Byrsonima pachyphylla Adr. Juss. in A. St.-Hil., Fl. Bras. Merid. 3 (1833) 77; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 734. — *Byrsonima crassa* Niedenzu in Arb. Bot. Inst. Lyc. Braunsb. I (1901) 30; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 737.

NE of Barra do Garças, Anderson 9740! & 9780! (MICH, NY)
Ribeirão Claro, mun. Alto Araguaia, Anderson 11397! (MICH)
Faz. S.A. do Paraíso, 17°23'S/55°24'W, Dubs & Kramer 1156! (MICH)
Chapada dos Guimarães, 15°26'S / 55°51'W, Dubs 1637! (ESA, K, MICH, S, Z)
Mun. Bataguáçu, Hatschbach 24259! (MICH)
Piraputanga, mun. Aquidauana, Hatschbach 24581! (NY)
Serra da Pimenteira, mun. Rio Verde, Hatschbach 32442! (NY)
Chapada dos Guimarães, Hatschbach 37632! (MICH)
Vale do Sonho, mun. Barra do Garças, Hatschbach 40131! (MICH)
S of Garapu, Irwin & Soderstrom 6429! (MICH, NY)
W of Rio Verde, Krapovickas 29885! (MICH)
E of Aquidauana, Krapovickas & Schinini 32891! (MICH)
Sta. Anna da Chapada, Malme 1994!, 2386!, s.n.! (S)
Sta. Anna da Chapada, Malme 2386 (S)
Sta. Anna da Chapada, Malme s.n. (S)
Chapada dos Guimarães, Prance 18856! (K, MICH)
Xavantina-Cachimbo Expedition: Ratter 30!, 1925! (K, NY)
SE of Corumbá, Ratter et al. 5069! (MICH)
Xavantina, Argent 6706! (K, NY); Eiten & Eiten 8337! & 9760! (NY); Irwin 16705!, 16857!, 17147!, 17451! (MICH, NY)
Serra do Roncador, N of Xavantina, Irwin 16019!, 16182!, 16234a!, 16618!, 16663! (MICH, NY); Eiten & Eiten 9519! & 9520! (NY), 9516! (MICH)

Byrsonima aff. pachyphylla Adr. Juss.

Hatschbach 35024! (MBM, MICH, Z)

Byrsonima piresii W. R. Anderson, Contr. Univ. Michigan Herb. 21 (1997) 52.

Mun. Vila Bela da Santíssima Trindade, Thomas et al. 4769! (MICH)

Byrsonima psilandra Griseb. in Linnaea 13 (1839) 251; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 731.

Rio Vacaria, mun. Rio Brilhante, Hatschbach 25184! (MBM, NY, Z)
Mun. Sidrolândia, Hatschbach 33016! (NY)
Mun. Rio Verde, Hatschbach 33157! (NY)
Faz. Douradinho, mun. Nova Andradina, Hatschbach 37391! (MICH)
Amabai, road to Cel. Sapucaia, Hatschbach 48427! (MBM, MICH)
Faz. Modelo, mun. Ponta Porã, Hatschbach 51534! (MBM, MICH, S, Z)
12 km W of Ervania, mun. Guia Lopes da Laguna, Pedersen 14714! (MICH)

Byrsonima rigida Adr. Juss. Malp. Syn. (1840) 334; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 712. — *Byrsonima gaultherioides* Griseb. in Mart. Fl. Bras. XII, 1 (1858) 112; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 712.

BR 163, mun. Rondonópolis, Anderson 11314! (MBM, MICH, Z)
Chapada dos Guimarães, Anderson 11371! (MBM, MICH)
Mun. Rondonópolis, Dubs 1318! (MICH, S, Z)
Chapada dos Guimarães, 15°26'S / 55°44'W, 12 Jul 1994 (fl), Dubs 1508! (ESA, MICH, S, Z)
Chapada dos Guimarães, MT-020 between Buriti and Agua Fria, 15°25'S/55°47'W, Dubs 1968! (K, MICH, S, UFMT, Z)
Chapada dos Guimarães, ca 5 km N of town, 15°27'S/53°43'W, Dubs 2069! (E, MICH, S, Z)
S. José da Serra, mun. Cuiabá, Hatschbach 37476! (MBM, MICH, Z)
Rio Cachoeirinha, mun. Chapada dos Guimarães, Hatschbach 37637! (MICH)
Chapada dos Guimarães, Hatschbach 63620! (MICH)
Mun. Pedro Gomes, Hatschbach 65674! (MICH)
40 km W of Ribas do Rio Pardo, Krapovickas & Cristóbal 34423! (MICH)
1 km de BR-364, camino a Aguas Quentes, Krapovickas & Cristóbal 43156! (MICH)
Sta. Anna da Chapada, Malme 2385! (S)
Chapada dos Guimarães, Prance 18928! (MICH, S)
*BR-364, mun. Alto Garças, Hatschbach 33236 (MBM)
*Hatschbach 34073 (MBM)
*Riedel & Langsdorff 682
*Riedel 1140

Byrsonima aff. **sericea** DC. Prodr. 1 (1824) 580; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 701.

Salto das Sete Quedas, Rio Verde, Anderson 11265! (MICH)
Serra das Furnas, mun. Alto Araguaia, Hatschbach 35047! (MICH)

Byrsonima spicata (Cav.) DC. Prodr. 1 (1824) 580.

Aripuanã km 238 da BR-174, Silva & Pihneiro 4270! (MICH)

Byrsonima umbellata A.D. Juss. Malp. Syn. (1840) 334.

Campo Grande, Archer & Gehrt 147! (MICH)
Mun. Camapuã, Chagas e Silva 106! (MICH)
Sete Quedas, mun. Rio Verde, Hatschbach 32386! (Z)
Sete Quedas, mun. Rio Verde, Hatschbach 32529! (Z)
Rio Casca, mun. Campo Verde, Hatschbach 66620! (MICH)
Garapú, Irwin & Soderstrom 6464! (MICH)
Rio Turvo, Irwin et al. 16224! (MICH)
São Vicente, 100 km E of Cuiabá, Kral 75129! (MICH)
Alto Araguaia-Cuiabá, Maguire et al. 56268! (MICH)
Rondonópolis-Cuiabá, Maguire et al. 56376! (MICH)
60 km S of Paranatinga, Pires & Furtado 17133! (MICH)
Mun. Sinop, Thomas 4246A! (MICH)
70 km W of Cuiabá, mun. Sto. Antônio de Leverger, Thomas et al. 4542! (MICH)
*Xavantina-Cachimbo Expedition: Harley 10107; Richards & Argent 6626, 6636; 6667; Goldsmith 76, 178; Onishi & Fonseca 1187, 1238 (K)

Byrsonima verbascifolia (L.) DC. sens. lat., Prodr. 1 (1824) 579.

20 km ENE of Barra do Garças, Anderson 9850! (MICH)
Cuiabá-Sinop, mun. Diamantina, Cid Ferreira et al. 6051! & 6055! (MICH)
Faz. Barranco Alto, mun. Aquidauana, Dubs 1083! (K, MBM, MICH, Z)
Xavantina-São Felix, Fonseca 1122! (UB)
BR-267, Entroncamento, mun. Rio Brilhante, Hatschbach 25028 (MBM, NY)
Casa Verde, mun. Nova Andradina, Hatschbach 33008! (NY)
15 km S of Garapú, Irwin & Soderstrom 6656! (MICH)
Chapada dos Guimarães, Kral 75061! (MICH)
100 km N of Cuiabá, Maguire et al. 56399! (MICH)
50 km W of Diamantina, Maguire et al. 56437! (MICH)
Creek Anhumá, Maguire et al. 56913! (MICH)
Cuiabá, Malme 1128!, 2279!, 2305! (S)
Sta. Anna da Chapada, Malme 2250!, s.n.! (S)
Chapada dos Guimarães, arredores, Oliveira 63! (MBM, MICH)
Ilha do Bananal, Pirani 1211! & 1220! (MICH)
Chapada dos Guimarães, Prance 18856! (K, S)
Vic. Colegio Buriti, Chapada dos Guimarães, Prance et al. 18994! (MICH)
Chapada dos Guimarães, Prance 19202! (MICH)
Entroncamento Cuiabá-Santarém-Pôrto Velho, Silva & Pinheiro 4439! (MICH)
*Xavantina-Cachimbo Expedition: Ratter 30, 1351, 1721; Harley 10486, 10956; Philcox 3008, 3699; Richards & Argent 6393, 6520, 6693, 6836; Ramos & Souza 17a (K)

Byrsonima sp. nov. ined. no. 1

Porto Velho-Cuiabá, 13°20'S/59°50'W, Bamps 5490! (MICH)
MT-170, between Itamarati and Campo Novo do Parecis, 13°58'S/57°59'W, Dubs 2049! (K, MICH, S, UFMT, Z)
Res. do Cabaçal a Chapada dos Parecis, mun. Reserva do Cabaçal, Hatschbach 63917! (MICH)

Byrsonima sp. nov. ined. no. 2

Rio Araguaia, mun. São Felix do Araguaia, Cid Ferreira 6378! (K, MICH)
Parque Nacional do Xingú, Rio Tutuári, Coelho s.n.! (INPA)
Rio Sete Setembro, 3 km from Garapú, Serra do Roncador, Prance 59236! (MICH, NY)
30 km S of base camp of English expedition, Sidney [Fonseca] 1299! /Onishi 520! (UB)
Rio Suiazinho, 290 km N of Xavantina, Santos & Souza in Ratter 1745! (E, K, NY)

Callaeum psilophyllum (Adr. Juss.) D. M. Johnson, Syst. Bot. 11 (1986) 351. — *Mascagnia psilophylla* (Adr. Juss.) Griseb. in Mart. Fl. Bras. XII, 1 (1858) 94.

Mun. Anastácio, Hatschbach 62113! (MICH)
Villa Maria, Kuntze s.n.! (NY)
Cuiabá, Malme s.n.! (S)
Estação de Bodoquera, Santos s.n.! (R)
Hoehne 3707

Camarea affinis St.-Hil., Plant. remarq. Brésil et Paraguay (1825) 157; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 549.

BR163, mun. Camapuã, Anderson 11243! (MBM, MICH, Z)
Rio Verde, Anderson 11254! (MBM, MICH)
Sto. Antônio de Leverger, Anderson 11342! (NY)
Chapada dos Guimarães, Anderson 11372! (MBM, MICH)
Alto Garças, Anderson 11392! (MBM)
Alto Araguaia, arredores, Hatschbach 33270! (MBM)
5 km W of Tacuru, Hatschbach 47312! (MICH)
Campo Grande, Krapovickas & Cristóbal 34507! (CTES)
Serra da Chapada, Malme s.n.! (S)
Xavantina-Cachimbo Expedition, Philcox 3389!, 3481! (K, NY), Philcox 3934! (K)

Camarea ericoides St. Hil. in Bull. Philom. (1823) 133; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 547, fig. 40 a-b.

Braço, Rio Arinos, Baldwin 3021! (US)
Serra das Araras, Vão Grande, mun. Alto Paraguai, ca 27 km S of MT-246, 23 Oct 1995 (fl), Dubs 1894! (E, K, MBM, S, UFMT, Z)
Serra das Araras, Vale da Camarinha, S of Bauxi, 15°11'S/56°39'W, Dubs 2249! (S, UFMT, Z)
Xavantina-Cachimbo Expedition, Harley 10301! (K, MO, NY)
70 km N of Xavantina, Irwin & Soderstrom 6741! (C, NY)
20 km S of Xavantina, Irwin et al. 16838! (NY)
Between Chapada dos Guimarães and Agua Fria, Kral et al. 75084! (MICH)
Cuiabá-Coxipó da Ponte, J. G. Kuhlmann 529! (R) & 531! (SP)
Cuiabá, Malme s.n.! (R, S)
Cuiabá, Malme 2309! (S)
inter Buriti et Bocca da Serra, Malme s.n.! (S)
Chapada dos Guimarães, Oliveira 74! (MBM, MICH)
Veu de Noiva, Chapada dos Guimarães, Prance et al. 18951! (MICH, S)
Xavantina-Cachimbo Expedition, Ramos & Souza 55! (K, NY)
Xavantina-Cachimbo Expedition, Richards & Argent 6506! (K, NY), 6603! (MO, NY)

Clonodia ovata Niedenzu, Arb. Bot. Inst. Ak. Braunsberg 8 (1926) 62; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 578.

Rio Guaporé [probably now Rondônia], Kuhlmann 2429

Clonodia racemosa (Adr. Juss.) Niedenzu, Arb. Bot. Inst. Ak. Braunsberg 5 (1914) 13; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 580.

Rio Arinos, Kuhlmann 538

Dicella bracteosa (Adr. Juss.) Griseb. in Linnaea 13 (1839) 250; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 676; Chase, Syst. Bot. 6 (1981) 164. — *Dicella lancifolia* Adr. Juss., Malp. Syn. (1840) 323.

Cuiabá and Rio Piolens, Silva Manso 313 & 317! (BR), syntypes of *Dicella lancifolia* Adr. Juss.

Dicella macroptera Adr. Juss. Malp. Syn. (1840) 323; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 676; Chase, Syst. Bot. 6 (1981) 168.

Sta. Cruz da Barra, Lindman 2863! (F, G, GH, MO, NY, S, US)
Cuiabá, Malme 1582! (R, S, US)

*Road from Miranda to Campão, Shepherd 4122 (MBM)

Galphimia brasiliensis (L.) Adr. Juss. in A. St.-Hil., Fl. Bras. Merid. 3 (1833) 71; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 592.

BR163, mun. Rondonópolis, Hatschbach 32009! (MBM, MICH, Z)
Cuiabá, Malme 2521! (S)
Cuiabá, Malme s.n.! (S)
BR-267, Entroncamento, mun. Rio Brilhante, Hatschbach 25071 (MBM)
Miranda, Hatschbach 30406 (MBM)
Capão Redondo, mun. Camapuã, Hatschbach 33058 (MBM, Z)
Caracol, arredores, Hatschbach 51621 (S)

Heladena multiflora (Hook. & Arn.) Nied. in Arb. Bot. Inst. Ak. Braunsberg V (1914) 16; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 583.

Rio Amambai, mun. Amambai, Hatschbach 48489! (MBM, MICH)

Heteropterys amplexicaulis Morong in Ann. N.Y. Acad. Sci. 7 (1892) 66.

Faz. S.A. do Paraíso, mun. Itiquira, Dubs 1117! (MICH, Z)
Mun. Aquidauana, Hatschbach 21960! (MICH)
Mun. Poconé, Schessl 3420! (MICH)

Heteropterys angustifolia Griseb. in *Linnaea* 13 (1839) 223; Niedenzu in Engler, *Pflanzenreich* IV, 141 (1928) 330.

Mun. Rio Brilhante, Hatschbach 23652! (MBM, MICH)
Porto Frangeli, mun. Mundo Novo, Hatschbach 45845! (MBM, MICH, Z)

Heteropterys argyrophaea A. Juss. Malp. Syn. (1840) 274; Niedenzu in Engler, *Pflanzenreich* IV, 141 (1928) 355.

Antonio João, descida para Campestre, Hatschbach 49109! (MBM, MICH)
*Mato Grosso, Moore 945

Heteropterys byrsonimifolia Adr. Juss. Malp. Syn. (1840) 276; Niedenzu in Engler, *Pflanzenreich* IV, 141 (1928) 361.

Faz. S.A. do Paraíso, mun. Itiquira, Dubs 1151! (MBM, Z)
BR-267, W of Bataguáçu, Christenson 1122! (MBM, MICH)
Estr. Campo Grande-Rochedo, mun. Campo Grande, Hatschbach 21855! (MBM, MICH)
Casa Verde, mun. Nova Andradina, Hatschbach 32520! (MBM, MICH, Z)

Heteropterys campestris Adr. Juss. in St. Hil. Fl. Bras. Merid. 3 (1833) 33; Niedenzu in Engler, *Pflanzenreich* IV, 141 (1928) 316. — *Heteropterys confertiflora* Adr. Juss. in A. St.-Hil., Fl. Bras. Merid. 3 (1833) 34.

35 km ENE of Barra do Garças, Anderson 9698! (MICH)
BR364, mun. Cuiabá, Anderson 11327! (MBM, MICH, Z)
Chapada dos Guimarães, about 10 km N of town on road to Rio da Casca, 15°26'S/55°44'W, Dubs 2084! (E, K, MICH, S, UFMT, Z)
10 km W of Chapada dos Guimarães, Ferrucci 775! (MBM, MICH)
Vicinity of Xavantina, Irwin et al. 16749!, 17143! (MICH)
Sta. Anna da Chapada, Malme 3315 (S)

Heteropterys cochleosperma Adr. Juss., Malp. Syn. (1840) 274; Niedenzu in Engler, *Pflanzenreich* IV, 141 (1928) 316. — *Heteropterys hassleriana* Niedenzu in Arb. Bot. Inst. Lyc. II (1903) 25.

Hatschbach 22047! (MBM, MICH)
5–10 km W of Naviraí, Hatschbach 62107! (MICH)
S of Serra do Aguapei, Kirkbride & Lleras 2990! (MICH)
Barbados pr. Cuiabá, Malme s.n.! (S)
Cuiabá, Malme 1634! (S), holotype of *H. trichanthera* var. *cuiabensis* Nied.

Heteropterys coriacea Adr. Juss. Malp. Syn. (1840) 277; Niedenzu in Engler, *Pflanzenreich* IV, 141 (1928) 360.

Western edge of Chapada dos Guimarães, Anderson 11354! (MICH)
Sta. Anna da Chapada, Malme 2088!, s.n.! (S)
Chapada dos Guimarães, Prance et al. 18907! (MICH)

Heteropterys corumbensis O. Kuntze, Rev. Gen. Pl. 3, 3 (1898) 28.

Poconé, Assumpção 672! (NY)
Corumbá, Kuntze s.n. VIII 1892! (isotype, F)

Heteropterys dumetorum (Griseb.) Niedenzu in Engler, *Pflanzenreich* IV, 141 (1928) 336.

20 km S of Xavantina, Irwin et al. 16808! (MICH)
35 km S of Agua Boa, Kral & Wanderley 75224! (MICH)
Cuiabá to Chapada, Prance et al. 19327! (MICH)
Cuiabá, Silva Manso Aug 1832
Cuiabá, Riedel 1162

Heteropterys eglandulosa Adr. Juss. in A. St.-Hil., Fl. Bras. Merid. 3 (1833) 27.

Rib. Claro, Mun. Alto Araguaia, Hatschbach 35053! (MICH, Z)
Sta. Anna da Chapada, Malme 2395! (S)
38 km N of Xavantina, Prance 59359! (MICH, S)

Heteropterys grandiflora Adr. Juss. in Arch. Mus. III (1843) 461; Niedenzu in Engler, *Pflanzenreich* IV, 141 (1928) 364.

15 km S of Xavantina, Irwin et al. 16869! (MICH)
Alto Araguaia to Cuiabá, Maguire et al. 56310! (MICH)
Cuiabá, Malme s.n.! (S)
13°30'S, 54°15'W, Pires & Furtado 17082! (MICH)

Heteropterys krapovickasii W. R. Anderson, Contr. Univ. Michigan Herb. 15 (1982) 122, fig. 11.

Serra da Mangabeira, subida para a torre da EMBRATEL, Hatschbach 62259! (MBM, MICH, Z)
Mun. Porto Estrela, Hatschbach 62768! (MICH)
Buritizinho, Serra do Itapirapuan, Lindman 3293! (S)
Mato Grosso, 14°48'S/57°50'W, capoeira de mata seca, Pires & Santos 16372! (MICH, MG)

Heteropterys macrostachya Adr. Juss. Malp. Syn. (1840) 275; Niedenzu in Engler, *Pflanzenreich* IV, 141 (1928) 342.

Rio Aripuanã, Nucleo Pioneiro Humboldt, Berg P19835! (MICH, S)

Heteropterys mathewsana Adr. Juss., Malp. Syn. (1840) 275; Niedenzu in Engler, *Pflanzenreich* IV, 141 (1928) 379.

MT-246, between Pontes e Lacerda and Vila Bela da Santíssima Trindade, 15°08'S/59°30'W, Dubs 2008! (E, K, MICH, S, UFMT, Z)
BR-364, ca 30 km SE of Pontes e Lacerda, 15°23'S/59°10'W, Dubs 2029! (K, MICH, NY, U, UFMT, Z)
Between Bauxi and Barra do Bugres, ca 2–10 km N of MT-246, Fazenda Sta. Maria, 15°05'S/56°58'W, Dubs 2268! (E, MICH, S, UFMT, Z)
Matão, Mun. Pontes e Lacerda, Hatschbach 65553! (MICH)
Aripuanã, Silva & Pinheiro 4304! (MG, MICH, NY)

Heteropterys nervosa Adr. Juss. in A. St.-Hil., Fl. Bras. Merid. 3 (1833) 26.

Mun. Sinop, rd to Pôrto dos Gaúchos, Cid Ferreira 6244! (MICH)
Vicinity of Xavantina, mun. Barra do Garças, Eiten & Eiten 8760!, 8764! (MICH)
MT-642, 20 km W of Amambai, Hatschbach 47231! (MBM, MICH)
Rio Brilhante, mun. Rio Brilhante, Hatschbach 52404! (MBM, MICH, S, Z)
Mun. Vila Bela da Sma. Trindade, Hatschbach 66959! (MICH)
Rio Aripuanã, 10°12'S, 59°21'W, Prance et al. 18306! (MICH)
Vic. of Garapu, Prance et al. 59225! (MICH, S)
Mun. Sinop, E of Rio Teles Pires, rd to Pôrto dos Gaúchos, Thomas et al. 3967! (MICH)

Heteropterys prancei W. R. Anderson, Contr. Univ. Michigan Herb. 20 (1995) 27.

Rio Aripuanã, Berg et al. P18428! (INPA, MICH)
Mun. Alto Floresta, Thomas et al. 4094! (MICH)

Heteropterys procoriacea Niedenzu in Arb. Bot. Inst. Lyc. II (1903) 43; Niedenzu in Engler, *Pflanzenreich* IV, 141 (1928) 359.

Rio Sta. Luzia, mun. Rio Brilhante, Hatschbach 32513! (MBM, MICH, Z)
Córrego Rancho, mun. Alto Araguaia, Hatschbach 34679! (MBM, MICH)
Beyond Alto Araguaia, road to Cuiabá, Maguire et al. 56269! (MICH)

Heteropterys pteropetala Adr. Juss. in A. St.-Hil., Fl. Bras. Merid. 3 (1833) 31; Niedenzu in Engler, *Pflanzenreich* IV, 141 (1928) 318. — *Heteropterys pteropetala* f. *glabra* Skotts., Svensk. Vet. Akad. Handl. 35, 6 (1901) 22. — *Heteropterys pteropetala* var. *matogrossensis* Skotts., Sv. Vet. Akad. Handl. 35, 6 (1901) 22.

Barra do Garças, Anderson 9816! (MICH)
Rio Verde, Anderson 11262! (MBM, MICH)
BR163, mun. Rio Verde, Anderson 11286! (MICH, Z)
Coxim, Anderson 11299! (MBM, MICH, Z)
Mun. Cuiabá, Anderson 11334! (MICH)
Chapada dos Guimarães, Anderson 11373! (MBM, NY)
Serra da Petrolina, mun. Rondonópolis, Anderson 11381! (MBM, MICH, Z)
Rio Verde, Hatschbach 33950! (MICH)
N of Xavantina, Irwin et al. 15968! (MICH)
Rio Turvo, Irwin et al. 16159! (MICH)
Serra Azul, S of Xavantina, Irwin et al. 17246! (MICH)
Sta. Anna da Chapada, Malme 1390B! (holotype, S; isotype, G), type of *Heteropterys pteropetala* f. *glabra* Skotts.
Coxipó-mirim pr. Cuiabá, Malme 1390! (syntype, S; isosyntype, Z), type of *Heteropterys pteropetala* var. *matogrossensis* Skotts.
+ many others

Heteropterys rhopalifolia Adr. Juss., Malp. Syn. (1840) 274; Niedenzu in Engler, *Pflanzenreich* IV, 141 (1928) 326.

85 km S of Xavantina, Irwin et al. 17164! (MICH)
44 km E of Pôrto Murtinho, Krapovickas & Schinini 32796! (MICH)

Heteropterys rubiginosa Adr. Juss. Malp. Syn. (1840) 278; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 317.

25–35 km S of town of Rio Verde, Anderson 11275! (MICH)
1 km S of Rondonópolis, Anderson 11312! (MICH, Z)
Rio Cabaçal, mun. Reserva do Cabaçal, Hatschbach 62530! (MICH)
SE of Vilhena, mun. Vila Bela, Krapovickas et al. 40128!, 40146! (MICH)
Cuiabá, Malme 1370! (S)
Sta. Anna da Chapada, Malme s.n.! (S)

Heteropterys sylvatica Adr. Juss., Malp. Syn. (1840) 277; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 381. — *Heteropterys tenuifolia* (Nied.) Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 333. — *Clonodia tenuifolia* Niedenzu, Meded. Rijks Herb. 19 (1913) 74.

Corumbá, Robert 736! (lectotype of *Clonodia tenuifolia* Nied., BM; islectotype K) & Moore 1095! (BM)

Heteropterys syringifolia Griseb. in Linnaea 13 (1839) 224; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 327.

*Mato Grosso, Rio Ronuro, Pilger 606, syntype of var. *pilgeri* Niedenzu

Heteropterys tomentosa Adr. Juss. in A. St.-Hil., Fl. Bras. Merid. 3 (1833) 31; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 324. — *Heteropterys nudicaulis* S. Moore, Trans. Linn. Soc. 2nd ser., 4 (1895) 325.

Faz. S.A. do Paraíso, mun. Itiquira, Dubs 1139! (MICH, Z)
Faz. Sta. Cruz, mun. Aquidauana, Hatschbach 21999! (MBM, MICH, Z)
Vicinity of Xavantina, Irwin et al. 15935!, 16393!, 16757!, 16859!, 16867!, 16929!, 17083! (MICH)
37 km E of Bela Vista, Krapovickas & Schinini 32701! (CTES)
23 km E of Aquidauana, Krapovickas & Schinini 32894! (MICH)
Cuiabá, Malme 1713!, s.n.! (S)
Sta. Anna da Chapada, Malme s.n.! (S)
Cuiabá and Sta. Cruz, Moore 16! & 335! (BM), syntypes of *Heteropterys nudicaulis* S. Moore

Heteropterys sp. nov. ined. no. 1

Sto. Antonio de Leverger-Barão de Melgaço, mun. Sto. Antonio de Leverger, Schessl 2266! & 2274! (MICH)
10 km S of Poconé, mun. Poconé, Schessl 190992-1-6! (Mich)

Heteropterys sp. nov. ined. no. 2

Salto das Sete Quedas, Rio Verde, 15 km S of Rio Verde, Anderson 11257! (MBM, MICH)
Portão do Inferno, mun. Chapada dos Guimarães, Hatschbach 37549! (MICH)
Rio Cachoeirinha, mun. Chapada dos Guimarães, Hatschbach 37651! (MBM, MICH)

Hiraea cuiabensis (Griseb.) Griseb. in Mart. Fl. Bras. XII, 1 (1858) 100; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 135.

Riberão Claro, Anderson 11413! (MICH)
Serra das Araras, Vale da Camarinha south of Bauxi, 15°18'S/56°44'W, Dubs 1990! (E, K, MBM, MICH, S, UFMT, Z)
Serra das Araras, Vão Grande, S of MT-2436, 15°13'S/56°55'W, Dubs 2279! (MICH, S, UFMT, Z)
Rio do Peixe, mun. Cuiabá, Hatschbach 37664! (MBM, MICH, Z)
Mun. Porto Esperidião, Hatschbach 65520! (MICH)
Palmeiras pr. Cuiabá, Lindman 2693! (S)
Cuiabá, Malme 2617! (S)
Serra da Petrovina, mun. Tatuapé, 16°47'S/54°06'W, Ratter 7056! & 7079! (MICH)
Sa. do Tapirapé, mun. Sta. Terezinha, Thomas et al. 4346! (MICH)
Xavantina-Cachimbo Expedition: Harley 10989, 11038 (K)
Coxipó da Ponte, Cuiabá, Kuhlmann 528

Hiraea fagifolia (DC.) Adr. Juss. in Ann. Sc. Nat. 2. sér. Bot. 12 (1840) 258; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 140.

Porto Frangeli, mun. Iguatemi, Hatschbach 40623! (MBM, MICH)
MT-642, mun. Amambai, Hatschbach 47211! (MBM, MICH)
Iguatemi, 5 km W, Hatschbach 47318! (MBM, MICH)
Iguatemi, Callejas et al. 1968! (MICH)

Janusia guaranitica (St. Hil.) Adr. Juss. Malp. Syn. (1840) 251; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 541.

Maracajú, Anderson 11176! (MICH)
Córrego Maria do Carmo, mun. Aquidauana, Hatschbach 22031! (MBM, MICH, Z)
Rio Dourados, mun. Dourados, Hatschbach 38693! (MBM, MICH, US, Z)
Area Indígena, mun. Amambai, Hatschbach 46232! (MBM, MICH)
16 km W of Iguatemi, Hatschbach 58641! (MICH)

Janusia janusioides (Adr. Juss.) W. R. Anderson, Contr. Univ. Michigan Herb. 15 (1982) 132. — *Schwannia janusioides* (Adr. Juss.) Adr. Juss. in Arch. Mus. 3 (1843) 606. — *Schwannia janusioides* subsp. *matogrossensis* Niedenzu, Verz. Vorles. Königl. Lyc. Hos. Braunsberg 1912/13 (1912) 45.

Rondonópolis, Anderson 11313! (MICH)
Mun. Alto Garças, Anderson 11388! (MICH)
Riberão Claro, Anderson 11407! (MICH)
Tapirapoan, Hoehne (Comm. Rondon) 1422! (R), isosyntype of *Schwannia janusioides* subsp. *matogrossensis* Niedenzu
Coxipó da Ponte, Cuiabá, Hoehne (Comm. Rondon) 3713! (R)
20 km S of Xavantina, Irwin et al. 16949! (NY)
33 km de Poconé, Pott 5532! (CTES)

Janusia lindmanii (Skotts.) W. R. Anderson, Contr. Univ. Michigan Herb. 15 (1982) 132. — *Schwannia lindmanii* Skotts., Sv. Vet. Akad. Handl. 35, 6 (1901) 29.

Rio Aripuanã, Cordeiro 64! (NY, UB)
215 km from Xavantina, rd to Cachimbo, Hunt 5608! (K, NY, UC)
Rio Turvo, Irwin et al. 16165! (MICH, NY, UB)
Sta. Cruz da Barra, Lindman 3099! (holotype, S; isotype Z)
Xavantina, Ratter 1301! (IAN, K, NY, UC)

Janusia malmeana (Nied.) W. R. Anderson, Contr. Univ. Michigan Herb. 15 (1982) 132.

Barra do Garças, Anderson 9872! (MICH, NY, UB)
Serra da Chapada, Malme 3447! (S), isotype

Janusia mediterranea (Vell.) W. R. Anderson, Contr. Univ. Michigan Herb. 15 (1982) 132. — *Schwannia elegans* (Adr. Juss.) Adr. Juss. in Arch. Mus. 3 (1843) 611.

Rio Brilhante, Anderson 11224! (MBM, NY)
BR 364, mun. Cuiabá, Anderson 11332! (MBM, MICH, Z)
Riberão Claro, Anderson 11402! (MICH)
Alto Paraguai, estrada para Barra do Bugres, Cunha et al. 917! (MG)
Serra da Petrovina, mun. Roncador, Hatschbach 34120! (MBM, MICH, Z)
Tapirapoan, Hoehne (Comm. Rondon)!, (SP)
Cuiabá, Martii Herb. Fl. Bras. 1161! (F, NY)
56 km N of Xavantina, Philcox 4072! (NY)
Entroncamento Cuiabá-Santarém-Pôrto Velho, Silva & Pinheiro 4387! (MG)

Janusia occhionii W. R. Anderson, Contr. Univ. Michigan Herb. 16 (1987) 84.

S of Naviraí, Anderson 11175! (holotype, UB; isotypes, ENCB, K, MICH, MO, NY)
Rio Pirai, mun. Iguatemi, Hatschbach 45853! (MBM, MICH)
Vic. of Sapucaia, Hatschbach 46204! (MICH)

Mascagnia amazonica Niedenzu in Arb. Bot. Inst. Ak. Braunsb. 8 (1926) 59; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 114.

Faz. Sta. Cruz, mun. Aquidauana, Hatschbach 21887! (MBM, MICH, Z)

Mascagnia anisopetala (Adr. Juss.) Griseb. in Mart. Fl. Bras. XII, 1 (1858) 95; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 106.

Rio Guaviral, mun. Rio Brilhante, Hatschbach 51605! (MBM, MICH, S)
Mun. Chapada dos Guimarães, Hatschbach 66764! (MICH)

Mascagnia aptera W. R. Anderson, Contr. Univ. Michigan Herb. 14 (1980) 17.

Burití to Cuiabá, Chapada dos Guimarães, France et al. 19274! (holotype, INPA; isotype, MICH, NY, US)

Mascagnia cordifolia (Adr. Juss.) Griseb. in Mart. Fl. Bras. XII, 1 (1858) 95; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 97. — *Hiraea volubilis* S. Moore, Trans. Linn. Soc. 2nd ser., 4 (1895) 328.

Rio Verde, Anderson 11246! (MICH)
Mun. Rondonópolis, Anderson 11311! (MBM, MICH)
Ribeirão Claro, Anderson 11398! (MICH)
Faz. Salina, mun. Aquidauana, Dubs 355! (MICH, Z)
Faz. Barranco Alto, mun. Aquidauana, Dubs 1050!, 1087! (MICH, Z)
Pantanal do Rio Negro, Faz. Barranco Alto, mun. Aquidauana, Dubs 1434! (Z)
Road Currupira - Arenópolis, mun. Alto Paraguay, 14°57'S / 56°51'W, 24 Aug 1994 (fl), Dubs 1706! (E, ESA, K, MICH, S, Z)
Vale do Sonho, mun. Barra do Garça, Hatschbach 40129! (MICH, Z)
BR060, mun. Nioaque, Hatschbach 52433! (MICH, S, Z)
Mun. Chapada dos Guimarães, Hatschbach 66852! (MICH)
Cuiabá, 4 Feb 1894, Malme 1364 p.p.! (S)
Cuiabá, 7 Feb 1894, Malme 1364 p.p.! (S), types of *Mascagnia cordifolia* var. *cinerascens* Skottsb.
Sta. Anna da Chapada, Malme 2361! (S)
Santa Cruz, Moore 340!, 647! (BM), syntypes of *Hiraea volubilis* S. Moore
+ many others

Mascagnia divaricata (Kunth) Nied. in Nat. Pflanzenfam. III, 4 (1890) 55; Anderson in Contr. Univ. Michigan Herb. 19 (1993) 380–383.

Córrego Curral de Arame, mun. Dourados, Hatschbach 45941! (MBM, MICH)
Rio Perdido, mun. Caracol, Hatschbach 49298! (MBM, MICH, Z)

Mascagnia lasiandra (Adr. Juss.) Niedenzu in Verz. Vorles. Königl. Lyc. Hos. Braunsb. 1909/10 (1909) 56; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 110. — *Hiraea nitens* S. Moore, Trans. Linn. Soc. 2nd ser., 4 (1895) 328.

Serra das Araras, Vale do Currupira, mun. Alto Paraguai, 15°10' S / 56°51' W, 4 Jul 1994 (fl), Dubs 1460! (E, ESA, K, MICH, S, Z)
Serra das Araras, Vão Grande, mun. Alto Paraguai, 15°09' S / 56°52' W, 21 Jul 1994 (fl), Dubs 1549! (ESA, MICH, S, Z)
Rib. Claro, mun. Alto Araguaia, Hatschbach 34655! (MBM, MICH, Z)
Mun. Chapada dos Guimarães, Hatschbach 66664! (MICH)
Xavantina, Irwin et al. 16768!, 16925! (MICH)
Cuiabá, Malme 1634 p.p.! (S)
Cuiabá, Malme 1753! (S)
Cuiabá, Malme 3514! (S)
Sta. Anna da Chapada, Malme 2111! (S)
Serra da Chapada, S. Moore 74! (BM), type of *Hiraea nitens* S. Moore
Garapu, airstrip, Prance 59197! (MICH, S)

Mascagnia multiglandulosa Niedenzu in Bull. Herb. Boiss. sér. 2, 7 (1907) 284; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 107.

Casa Branca, mun. Rio Brilhante, Hatschbach 24536! (MBM, Z)
BR262, 25 km e. of Aquidauana, Hatschbach 38610! (MBM, MICH, Z)
Mirassol do Oeste, Hatschbach 62365! (MICH)
23 km E of Aquidauana, Krapovickas & Schinini 32904! (MICH)

Mascagnia schunkei W. R. Anderson in Mem. N.Y. Bot. Gard. 32 (1981) 222.

Alta Floresta, estrada da Hidroelétr. do Salto do Rio Apiacá, 110 km de Alta Floresta, 10°15'S/56°50'W, C. A. Cid et al. 6279! (MICH, NY)

Mascagnia sepium (Adr. Juss.) Griseb. in Mart. Fl. Bras. XII, 1 (1858) 96; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 94. — *Hiraea sepium* Adr. Juss. in A. St.-Hil., Fl. Bras. Merid. 3 (1833) 19; Moore, Trans. Linn. Soc. 2nd ser., 4 (1895) 329. — *Hiraea sepium* var. *nitens* S. Moore, Trans. Linn. Soc. 2nd ser., 4 (1895) 329.

Corumbá, Moore 1008! (BM), type of *Hiraea sepium* var. *nitens* S. Moore
Sta. Cruz [Barra do Bugres], Moore 520* (BM)

Mascagnia stanneya (Griseb.) Niedenzu in Verz. Vorles. Königl. Lyc. Hos. Braunsb. 1912/13 (1912) 12; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 112. — *Mascagnia benthamiana* (Griseb.) Anderson, Mem. N.Y. Bot. Gard. 32 (1981) 217. — *Mascagnia sericans* Niedenzu, Bull. Herb. Boiss. sér. 2, 7 (1907) 284.

Faz. Salina, mun. Aquidauana, Dubs 463! (MICH, Z)
Faz. Costa Rica, mun. Aquidauana, Dubs 1073! (Z)
Córrego Maria do Carmo, mun. Aquidauana, Hatschbach 22051! (MBM, MICH, Z)
Hatschbach 38616! (MBM, MICH, Z)
BR 262, 20 km W of Aquidauana, Hatschbach 38617! (MICH)
Rio Miranda, mun. Miranda, Hatschbach 60761! (Z)
Cuiabá, Malme 1645!, 3513!, s.n.! (S)
Pequí, Rio Paraguai above Acurizal, Prance et al. 26141! (MICH)
Mun. Aripuanã, Rosa & Santos 2167! (MICH)
Poconé, Schessl 2226 & 2226! (MICH)

Peixotoa cordistipula Adr. Juss. in Arch. Mus. III (1843) 431; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 528; C. Anderson, Contr. Univ. Michigan Herb. 15 (1982) 30.

Chapada dos Guimarães, 15°26'S / 55°44'W, 12 Jul 1994 (fl), Dubs 1516! (ESA, MICH, S, Z)
Serra da Petrolina, mun. Rondonópolis, Hatschbach 34713! (MBM, MICH, Z)
Mun. Chapada dos Guimarães, Hatschbach 66771!, 66883! (MICH)
9 km N of Pontes e Lacerda, Hatschbach 66928! (MICH)
inter Cuiabá et Diamantino, Lindman 3533! (A, F, G, S)
Cuiabá, Malme 1610! (S, Z)
Cuiabá, Malme 1919! (S)
Xavantina-Araragarças Road, Vale dos Sonhos, Philcox & Freeman 4696! (K, NY, UB)
Poconé-Pôrto Cercado, Schessl 3369! (MICH)
45 km SE of Pontes e Lacerda, Thomas et al. 4676! (MICH)
Aripuanã, Rio Jurucua, Silva 3193! (MO, NY)

Peixotoa magnifica C. Anderson, Contr. Univ. Michigan Herb. 15 (1982) 49, fig. 19.

12 km ENE of Barra do Garças, Anderson 9831! (holotype UB; isotypes MBM, MICH, MO, NY, US)
Faz. Barranco Alto, mun. Aquidauana, Dubs 948! (MICH, Z)
Road Maracaju - Jardim, 21°25'S / 55°58'W, 7 Sep 1994 (fl), Dubs 1739! (ESA, K, MICH, S, Z)
250 km NNE of Xavantina, Eiten 9014! (NY, US)
Xavantina, Vale do Sonho, Fonseca 276! (NY, UB)
Xavantina, Harley & Souza 11037! (K, MO, NY, P, UB)
Nioaque, Ramamoorthy 618! (NY)
3 km S of Xavantina, Ratter 112 pp.! (K, UB)
1 km S of Xavantina, Ratter & Ramos 370! (K, NY, P, RB, UB)
Pantanal, Rio Paraguai, Faz. Bela Vista, Schaller 89! (NY)
Corumbá, Urucum, Smith 74! (K)

Peixotoa octoflora C. Anderson, Contr. Univ. Michigan Herb. 15 (1982) 54.

Mato Grosso, Serra do Roncador, ca 60 km N of Xavantina, Irwin et al. 16681a! (holotype, UB; isotypes, MICH, NY)

Peixotoa psilophylla C. Anderson, Contr. Univ. Michigan Herb. 15 (1982) 60, fig. 21.

15 km S of Xavantina, Irwin 16860! (holotype, UB; isotypes, MBM, MICH, MO, NY, US)
ca 70 km S of Xavantina, Irwin et al. 17439! (MICH, NY, UB)
Xavantina, Irwin et al. 16778! (NY, UB)
ca 3 km S of Xavantina, Ratter 112 p.p.! (NY)
Xavantina, Richards 6429! (K, NY, P)
Xavantina, Sick B481! (RB)

Peixotoa reticulata Griseb. in Linnaea 13 (1839) 213; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 527; C. Anderson, Contr. Univ. Michigan Herb. 15 (1982) 62, figs. 22, 23.

5 km N of Barra do Garças, Anderson 9871! (MICH, NY)
 Campo Grande, Archer & Gehrt 140! (SP, US)
 Serra das Araras, Vale do Currupira, mun. Alto Paraguai, 15°10' S / 56° 51' W, 4 Jul 1994 (fl), Dubs 1467! (MICH, Z)
 Rio Brilhante, Hatschbach 21770! (C, M, MBM, MICH, P, Z)
 Terenos, Hatschbach 24625! (MBM, MICH, Z)
 Piraputanga, mun. Aquidauana, Hatschbach 60703! (MICH)
 60 km N of Xavantina, Irwin et al. 16681b! (MICH)
 mun. Bataguçu, Krapovickas 14392! (C, CTES), 14396! (CTES)
 Ribas do Rio Pardo, Krapovickas & Cristóbal 34372! (MICH)
 Campo Grande, Krapovickas & Cristóbal 34542! (MICH)
 Mun. Vila Bela, Krapovickas et al. 40131! (MICH)
 Chapada, Moore 153! (BM)
 Campo Grande, Occhioni 5775! (MICH)
 Vista Alegre-Ponta Porã, Pedersen 14732! (MICH)
 270 km N of Xavantina, Ratter et al. 1990! (K)
 200 km N of Xavantina on road to São Felix, Santos & Souza 1637! (K, MO, NY, P, RB, UB)

Pterandra hatschbachii W. R. Anderson in Contr. Univ. Michigan Herb. 19 (1993) 388.

Riberão Claro, mun. Alto Araguaia: Anderson 11400! (MBM, MICH)
 Riberão Claro, mun. Alto Araguaia, Hatschbach 35085! (holotype, MBM; isotype, MICH), type

Ptilochaeta densiflora Niedenzu in Bull. Herb. Boiss. sér. 2, 7 (1907) 293; Niedenzu in Engl. Pflanzenreich IV, 141 (1928) 568.

*Corumbá, Ratter et al. 5125 (E)
 *Corumbá, Comm. Rondon 4307

Stigmaphyllon calcaratum N.E. Brown in Trans. Bot. Soc. Edinburgh 20 (1894) 48; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 516; C. Anderson, Syst. Bot. Monogr. 51 (1997) 173, fig. 55.

Transpantaneira, km 110 from Poconé, Chagas 1171! (MBM, MICH)
 Near Corumbá, Moore 1012! (BM, K)
 Corumbá, Pott 4488! (CTES)
 Rio Paraguay, Prance et al. 26076! (CEN, MICH)

Stigmaphyllon florosum C. Anderson, Syst. Bot. 11 (1986) 123; Syst. Bot. Monogr. 51 (1997) 140, fig. 42.

22 km S of Pontes e Lacerda, Hatschbach 66907! (MICH)

Stigmaphyllon matogrossense C. Anderson, Contr. Univ. Michigan Herb. 17 (1990) 11, fig. 4; id. Syst. Bot. Monogr. 51 (1997) 223, fig. 74.

Alta Floresta, Reserva Florestal do Rio Cristalino, 09°36'S/55°56'W, Dubs & Elío Luiz Egewarth 2329! (MICH, UFMT, UNEMAT, Z)
 mun. Cáceres, 9 km ENE of Porto Espiridião, Krapovickas et al. 40114! (holotype, MICH; isotype, CTES)

Stigmaphyllon paraense C. Anderson, Contr. Univ. Michigan Herb. 17 (1990) 13, fig. 5; C. Anderson, Syst. Bot. Monogr. 51 (1997) 214, fig. 71.

Barbados near Cuiabá, Malme 1756! (R, S)

Stigmaphyllon stylopogon C. Anderson, Contr. Univ. Michigan Herb. 17 (1990) 17, fig. 7; C. Anderson, Syst. Bot. Monogr. 51 (1997) 221, fig. 73.

Cáceres, Hatschbach 62296! (MICH)
 BR-246, km 47, mun. Alto Paraguai, Hatschbach 62781! (MICH)
 Rio Jurueña, Aripuanã, M.G. Silva 3192! (MG, NY)

Tetrapteryx acutifolia Cav., Diss. IX (1790) 433; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 189. — *Tetrapteryx glabra* (Spr.) Griseb. in Mart. Fl. Bras. XII, 1 (1858) 82.

Mun. Alta Floresta, Thomas et al. 4100! (MICH)
 Sta. Anna da Chapada, Malme 3498! (S)

Tetrapteryx ambigua (Adr. Juss.) Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 168. — *Tetrapteryx lundiana* Niedenzu in Verz. Vorles. Lyc. W.-S. 1909/10 (1909) 6. — *Tetrapteryx paraguariensis* Niedenzu in Verz. Vorles. Lyc. W.-S. 1909/10 (1909) 7. — *Tetrapteryx pilifera* S. Moore, Trans. Linn. Soc. 2nd ser., 4 (1895) 326.

Serra das Araras, Vão Grande, mun. Alto Paraguai, ca 27 km S of MT-246, Dubs 1897! (E, K, MICH, S, UFMT, Z)
 Bela Vista, Hatschbach 51576! (MBM, MICH)
 Mun. Rio Brilhante, Hatschbach 63388! (MICH)
 Agua Fria, mun. Chapada dos Guimarães, Hatschbach 66383! (MICH)
 Garapú, Irwin & Soderstrom 6606! (MICH, NY)
 75 km N of Xavantina, Irwin & Soderstrom 6689! (MICH, NY)
 Alto do Araguaia toward Rondonópolis, Kral & Wanderley 75016! (MICH)
 Primavera, Kral & Wanderley 75169! (MICH)
 inter Buriti et Bocca da Serra, Malme s.n.! (S)
 Santa Cruz, Moore 562! (BM), type of *Tetrapteryx pilifera* S. Moore
 Faz. Congonha, Pires & Furtado 17232! (MICH)

Tetrapteryx crispa Adr. Juss. in Ann. Sc. Nat. 2. sér. Bot. 13 (1840) 265; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 213.

Serra das Araras, Vale da Camarinha south of Bauxi, 15°11'S/56°40'W, Dubs 2159! (E, K, MICH, S, UFMT, Z)
 Vicinity of Jauru, Hatschbach 62456! & 62481! (MICH)
 S. Antonio, Rio Cuiabá, Malme s.n.! (S)

Tetrapteryx discolor (G. F. W. Meyer) DC. Prodr. 1 (1824) 587; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 205.

Cuiabá, Malme 1739! (S)
 Aripuanã, Silva & Pinheiro 4248! (MICH)

Tetrapteryx hassleriana Nied. in Bull. Herb. Boiss. sér. 2, 7 (1907) 285; Nied. in Engler, Pflanzenreich IV, 141 (1928) 177.

Rio Miranda, mun. Miranda, Hatschbach 38636! (MICH)

Tetrapteryx jussieuana Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 169, fig. 20; Hoehne, Ind. Bibl. Num. Pl. Col. Com. Rondon (1951) 255.

Mun. Rio Verde, Hatschbach 32480! (MBM, Z)
 Rod. Nobres-Marzagão, Hatschbach 63730! (MICH)
 Sta. Anna da Chapada, Malme s.n.! (S)

Tetrapteryx mucronata Cav. Diss. IX (1790) 434; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 198.

Rio Teles Pires, Instituto Ecológico Cristalino, 9°35'S / 55°55'W, 17 Aug 1994 (fl), Dubs 1684! (E, ESA, K, MICH, S, Z)
 Cáceres, Hoehne 179 & 4085

Tetrapteryx phlomoides (Spreng.) Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 208. — *Malpighia phlomoides* Spreng., Syst. Veg. 2 (1825) 385.

Cuiabá, Silva Manso 315

Tetrapteryx ramiflora Adr. Juss. in A. St.-Hil., Fl. Bras. Merid. 3 (1833) 8; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 174. — *Tetrapteryx praecox* S. Moore, Trans. Linn. Soc. 2nd ser., 4 (1895) 327.

Mun. Barra do Garças, Eiten & Eiten 8789! (NY)
 S of Xavantina, Irwin & Soderstrom 6374! (MICH)
 S of Garapú, Irwin & Soderstrom 6612! & 6424! (MICH)
 Sete Quedas, mun. Rio Verde, Hatschbach 32391! (MBM, Z)
 Cuiabá, Moore 17! (BM), type of *Tetrapteryx praecox* S. Moore
 NE of Cuiabá, Webster 29729! (MICH)

Tetrapteryx salicifolia (Adr. Juss.) Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 170. — *Hiraea salicifolia* Adr. Juss. in St. Hil. Fl. Bras. Merid. 3 (1833) 18.

Südl. Matto Grosso, Rio Pardo, Riedel 460

Tetrapteryx suaveolens Adr. Juss. in Ann. Sc. Nat. 2. sér. Bot. 13 (1840) 263; Niedenzu in Engler, Pflanzenreich IV, 141 (1928) 190.

Mun. Rio Branco, Hatschbach 63892! (MICH)
 Sta. Anna da Chapada, Malme 3498! (S)

Thryallis laburnum S. Moore, Trans. Linn. Soc. 2nd ser., 4 (1895) 324; C. Anderson in Contr. Univ. Michigan Herb. 20 (1995) 9. —
Thryallis laburnum var. *minor* S. Moore, Trans. Linn. Soc. 2nd ser., 4 (1895) 324.

Corumbá, Fróes 11690! (A, F, MO, NY)

Corumbá, Hoehne SP30251! (SP)

Corumbá, Malme s.n.! (S)

Corumbá, Moore 969! (holotype, BM; isotype, NY), type of var. *minor* S. Moore

Corumbá, Moore 970! (lectotype, BM; isoelectotype, K, NY)