

Colantheria McClure & E.W.Sm.

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This treatment is composed of the following taxa: *Colantheria*, *Colantheria burchellii*, *Colantheria cingulata*, *Colantheria distans*, *Colantheria intermedia*, *Colantheria kinoshitae*, *Colantheria longipetiolata*, *Colantheria macrostachya*, *Colantheria rhizantha*, *Colantheria secundiflora*, *Colantheria sparsiflora*.

HOW TO CITE

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DESCRIPTION

Culms 1–6 m long, 1–6 mm in diam., erect or decumbent to scandent, creeping or clambering, the apex generally zig-zag; internodes (5–) 8.4–24 cm long, subequal, thick-walled, lumen inconspicuous; supranodal ridge conspicuous; bud always borne on a promontory, this conspicuous or inconspicuous. Culm leaves differentiated from the foliage leaves, fimbriate or not, auricles present or absent; girdle conspicuous or inconspicuous, glabrous to pubescent, a narrow corky crest usually present at the juncture of the sheath and girdle; culm leaf blades triangular, erect and as wide as the sheath apex in *C. secundiflora*, otherwise pseudopetiolate and horizontal or more or less reflexed to reflexed, early deciduous or falling with the sheath. Branch complement composed of 1–20 branches, one of them dominant. Foliage leaves 2–21 per branch; sheaths bearing fimbriae, these spreading or erect; auricles present or absent; inner ligules membranous, 0.1–2 mm long; blades linear-lanceolate to ovate-lanceolate, margins serrulate with angular prickle hairs. Synflorescences terminal or rarely terminal and lateral, racemose to less commonly paniculate with (0–) 1–2 (–3) orders of branching, sometimes reduced to 2–3 spikelets or rarely only 1; spikelets 0.7–12 cm long; pedicels short to long. Spikelets with glumes 2, awnless, sometimes mucronate, 1–7-nerved, nerves conspicuous to inconspicuous, equal to unequal; rachilla segments sometimes pulvinate, easily disarticulating at maturity; anthoecia 2–16, more or less narrow, slightly to strongly navicular; apical anthoecium reduced; lemma and palea subequal to unequal; lemma awnless to mucronate, 5–7-nerved; palea 2-nerved, sulcate for the full length, apex blunt or notched. Lodicules 3, the anterior pair more or less asymmetric, the posterior one symmetrical and usually shorter. Stamens 3, filaments free, filiform. Ovary puberulous to pubescent towards the apex; style 1, stigmas 2, plumose or glabrous. Caryopsis narrowly ellipsoid, light brown to dark brown; hilum linear, as long as the caryopsis; embryo brown, ca. 1/10 to 2/10 the length of the caryopsis.

Life Form

Bamboo

Substrate

Terrestrial

DISTRIBUTION

Native, Not endemic to Brazil

Phytogeographic Domains

Atlantic Rainforest

Vegetation Types

High Altitude Grassland, Seasonally Semideciduous Forest, Ombrophylous Forest (Tropical Rain Forest), Coastal Forest (Restinga)

Geographic DistributionConfirmed occurrences

Southeast (Espírito Santo, Minas Gerais, Rio de Janeiro, São Paulo)

South (Paraná, Rio Grande do Sul, Santa Catarina)

Possible occurrences

Southeast (Rio de Janeiro)

IDENTIFICATION KEY**Key to the species of *Colantheia* (vegetative key below)**

1.
 1. Foliage leaf sheaths with auricles at the apex2
 1. Foliage leaf sheaths without auricles at the apex5
 2. Lower and upper glumes reduced to scales..... *C. sparsiflora*
 2. Lower and upper glumes well developed.....3
 3. Lower glume 5–7-nerved; culm leaf sheaths without fimbriae and auricles at the apex*C. burchellii*
 3. Lower glume 1–3-nerved; culm leaf sheaths bearing both fimbriae and auricles at the apex4
 4. Lemmas 5.5–8.2 mm long; synflorescences with 2–5 branches; culm leaf sheaths glabrous to glabrate on the abaxial surface*C. kinoshitae*
 4. Lemmas 8–11 mm long; synflorescences with 7–11 branches; culm leaf sheaths densely pubescent on the abaxial surface*C. cingulata*
 5. Lower and upper glumes reduced to scales, both lower and upper glumes ca. 0.2 mm long..... *C. distans*
 5. Lower and upper glumes well developed, lower glume 2–11 mm long and upper glume 3.2–16 mm long.....6
 6. Spikelets secund (unilateral); lemmas with dark spots; culm leaf blades erect ...
..... *C. secundiflora*
 6. Spikelets two-ranked; lemmas usually uniform in color (with dark spots in one species); culm leaf blades usually reflexed (erect to reflexed in one species)7
 7. Lemma and palea very unequal in length (lemma sometimes approximately twice the size of the palea)8
 7. Lemma and palea equal to subequal in length9
 8. Spikelets 7.9–12 cm long; lemma without dark spots *C. macrostachya*
 8. Spikelets 1.2–5.8 cm long; lemma with dark spots *C. longipetiolata*
 9. Culm leaf girdle glabrous; spikelets 5–16-flowered *C. intermedia*
 9. Culm leaf girdle pubescent; spikelets 3–7-flowered *C. rhizantha*

Key to the Species of *Colantheia* in Brazil based on Vegetative Specimens Only

1. Foliage leaf sheaths bearing auricles at the apex.....2
1. Foliage leaf sheaths without auricles at the apex.....5
2. Foliage leaf blades with the midrib strongly to sometimes slightly excentric, the blade base strongly asymmetric with one side rounded and smaller and the other attenuate and larger, and the larger adaxial basal side of the blade with a narrow stripe of brown prickly hairs along the submarginal region..... *C. sparsiflora*

2. Foliage leaf blades with the midrib centric to sometimes slightly excentric, the blade base symmetrical to slightly asymmetrical, rounded on both sides, and without a narrow stripe of brown prickly hairs along the adaxial basal submarginal region.....3
3. Culm leaf sheaths without fimbriae or auricles at the apex..... *C. burchellii*
3. Culm leaf sheaths bearing both fimbriae and auricles at the apex.....4
4. Culm leaf sheaths glabrous to glabrate on the abaxial surface; girdle glabrous; foliage leaf blades ovate-lanceolate..... *C. kinoshitae*
4. Culm leaf sheaths densely pubescent on the abaxial surface; girdle pubescent; foliage leaf blades lanceolate.....*C. cingulata*
5. Branch complement with few branches (1–4 branches).....6
5. Branch complement with few to many branches (2–13 branches).....9
6. Foliage leaf blades 1.5-2.5 cm wide..... *C. longipetiolata*
6. Foliage leaf blades 0.2-0.8 cm wide.....7
7. Foliage leaf blades abaxially glabrous to puberulous, with a narrow line of hispid trichomes along the margin of the stripe..... *C. secundiflora*
7. Foliage leaf blades abaxially glabrous.....8
8. Foliage leaf blades 0.2-0.45 mm wide; culm leaf girdle inconspicuous, glabrous; endemic to Minas Gerais state..... *C. distans*
8. Foliage leaf blades 0.4-0.8 mm wide; culm leaf girdle conspicuous, pubescent; endemic to São Paulo state. *C. macrostachya*
9. Culm leaf girdle pubescent..... *C. rhizantha*
9. Culm leaf girdle glabrous..... *C. intermedia*

REFERENCE

- De Jesus-Costa, C., Viana, P. L., Clark, L. G. & Santos-Gonçalves, A. P. (2019) *Colantheria longipetiolata* (Poaceae: Bambusoideae), a new species of woody bamboo from the Brazilian Atlantic forest. *Phytotaxa* 401 (2): 133–138.
- Santos-Gonçalves, A.P., Jesus-Costa, C., Filgueiras, T.S. & Clark, L.G. (2018) A revision of *Colantheria* (Poaceae: Bambusoideae: Bambuseae: Arthrostylidiinae) and new species for the Atlantic Forest. *Systematic Botany* 43 (4): 956–974.
- Santos-Gonçalves, A.P. 2005. Estudos taxonômicos e morfoanatômicos em *Colantheria* (Poaceae: Bambusoideae: Bambuseae). Tese de Doutorado. Universidade Estadual de Campinas, Campinas, São Paulo. 159p.
- McClure, F. A. 1973. Genera of bamboos native to the New World (Gramineae: Bambusoideae). *Smithsonian Contributions to Botany* 9: 1–148.

Colantheia burchellii (Munro) McClure

Has as synonym

basionym *Arthrostylidium burchellii* Munro

DESCRIPTION

Stem: branch number per node 3 to 20. **Leaf:** auricles on the branch leaf sheath present; culm leaf blade position reflexed; culm leaf girdle conspicuous; fimbria at the culm leaf sheath apex absent; indumentum culm leaf girdle glabrous; indumentum culm leaf sheath abaxial surface glabrous; branch leaf blade base symmetry rounded to slightly asymmetric. **Inflorescence:** branch number in the synflorescence 3/4/5/6/7/8/9/10; development glume 1 and 2 developed; spikelet length 2 to 6 cm; spikelet position not secund; floret number per spikelet 3 to 8; glume 1 vein number 5 to 7; lemma length 7.8 to 9 mm; mature spikelet colour brown.

Life Form

Bamboo

Substrate

Terrestrial

DISTRIBUTION

Native, Is endemic from Brazil

Phytogeographic Domains

Atlantic Rainforest

Vegetation Types



Seasonally Semideciduous Forest, Ombrophyllous Forest (Tropical Rain Forest)


Geographic Distribution



Confirmed occurrences




Southeast (Rio de Janeiro, São Paulo)

HERBARIUM MATERIAL



D. Sucre, 5293, US, 2979894,  (US00011233), RB, 161565,  (RB00614255), Rio de Janeiro

G.O. Romão, 617, ESA, 76022,  (ESA076022), São Paulo

T.R.Soderstrom, 1175, K,  (K001106379), NY,  (NY01552587), Rio de Janeiro

V.C.Souza et al., 10373, ESA (ESA030974), HUEFS (HUEFS0070090), HUEM,  (HUEM000010266), K,  (K001106378), RB, 381991,  (RB00614002), UB, 381991 (UB0017266), São Paulo

D. Sucre, 5293, RB, 161565,  (RB00614255), Rio de Janeiro

D. Sucre, 10022, US, 2979890,  (US00011234), RB, 166807,  (RB00614014), Rio de Janeiro

REFERENCE

Santos-Gonçalves, A.P.; Jesus-Costa, C.; Filgueiras, T.S.; Clark, L.G. A Revision of *Colantheia* (Poaceae: Bambusoideae: Bambuseae: Arthrostylidiinae) and New Species for the Atlantic Forest. *Systematic Botany*, 43(4): 956–974, 2018.

Santos-Gonçalves, A.P. 2005. Estudos taxonômicos e morfoanatômicos em *Colantheia* (Poaceae: Bambusoideae: Bambuseae). Tese de Doutorado. Universidade Estadual de Campinas, Campinas, São Paulo. 159p.

Colantheia cingulata (McClure & L.B.Sm.) McClure

Has as synonym

basionym *Aulonemia cingulata* McClure & L.B.Sm.

DESCRIPTION

Stem: branch number per node 1 to 13. **Leaf:** auricles on the branch leaf sheath present; culm leaf blade position reflexed; culm leaf girdle conspicuous; fimbria at the culm leaf sheath apex present; indumentum culm leaf girdle densely pubescent; indumentum culm leaf sheath abaxial surface densely pubescent; branch leaf blade base symmetry rounded to slightly asymmetric. **Inflorescence:** branch number in the synflorescence 7/8/9/10/11; development glume 1 and 2 developed; spikelet length 2.1 to 6.4 cm; spikelet position not secund; floret number per spikelet 3 to 8; glume 1 vein number 3; lemma length 8 to 11 mm; mature spikelet colour brown.

Life Form

Bamboo

Substrate

Terrestrial

DISTRIBUTION

Native, Is endemic from Brazil

Phytogeographic Domains

Atlantic Rainforest

Vegetation Types

Seasonally Semideciduous Forest, Coastal Forest (Restinga)

Geographic Distribution

Confirmed occurrences

Southeast (Rio de Janeiro, São Paulo)

South (Rio Grande do Sul, Santa Catarina)

HERBARIUM MATERIAL

Santos-Gonçalves, A.P., 371a, UFMG:, ISC, IBGE, UEC, São Paulo

A.R. Reitz, 9679, RB, 217453,  (RB00538729), Santa Catarina, **Typus**

A.Girardi & B.Irgang, s/n, CEN (CEN00004064), Rio Grande do Sul

T.R.Soderstrom et al., 1912, B (B 10 0086200), CEPEC,  (CEPEC00012945), K,  (K001106381), P (P02328121), Rio de Janeiro

REFERENCE

Santos-Gonçalves, A.P.; Jesus-Costa, C.; Filgueiras, T.S.; Clark, L.G. A Revision of *Colantheia* (Poaceae: Bambusoideae: Bambuseae: Arthrostylidiinae) and New Species for the Atlantic Forest. *Systematic Botany*, 43(4): 956–974, 2018.

Santos-Gonçalves, A.P. 2005. Estudos taxonômicos e morfoanatómicos em *Colantheia* (Poaceae: Bambusoideae: Bambuseae). Tese de Doutorado. Universidade Estadual de Campinas, Campinas, São Paulo. 159p.

McClure, F. A. and L. B. Smith. Gramíneas (Suppl. Bambúseas). In: Reitz, P. R. (ed) *Flora Ilustrada Catarinense*, 1967. 78p. (p. 50-52).

Colantheria distans (Trin.) McClure

Has as synonym

basionym *Arundinaria distans* Trin.

DESCRIPTION

Stem: branch number per node 1 to 4. **Leaf:** auricles on the branch leaf sheath absent; culm leaf blade position unknown; culm leaf girdle inconspicuous; fimbria at the culm leaf sheath apex present; indumentum culm leaf girdle glabrous; indumentum culm leaf sheath abaxial surface glabrous; branch leaf blade base symmetry rounded. **Inflorescence:** branch number in the synflorescence 3/4/5/6; development glume 1 and 2 reduced to scale; spikelet length 0.7 to 1.8 cm; spikelet position not secund; floret number per spikelet 2 to 5; glume 1 vein number inconspicuous; lemma length 9 to 13 mm; mature spikelet colour purplish.

Life Form

Bamboo

Substrate

Terrestrial

DISTRIBUTION

Native, Is endemic from Brazil

Phytogeographic Domains

Atlantic Rainforest




Geographic Distribution

Confirmed occurrences

Southeast (Minas Gerais)

HERBARIUM MATERIAL

L. Riedel, s.n., NY,  (NY00345943), **Typus**

L. Riedel, s.n., NY,  (NY00743592), P (P00625455), P (P00625453), MO (MO220802), US,  (US00139558), US,  (US00139557), **Typus**

REFERENCE

Santos-Gonçalves, A.P.; Jesus-Costa, C.; Filgueiras, T.S.; Clark, L.G. A Revision of *Colantheria* (Poaceae: Bambusoideae: Bambuseae: Arthrostylidiinae) and New Species for the Atlantic Forest. *Systematic Botany*, 43(4): 956–974, 2018.

Santos-Gonçalves, A. P. 2005. Estudos taxonômicos e morfoanatômicos em *Colantheria* (Poaceae: Bambusoideae: Bambuseae). Tese de Doutorado. Universidade Estadual de Campinas, Campinas, São Paulo. 159p.

CORRÊA, M. P. Dicionário das plantas úteis do Brasil. Rio de Janeiro: Ministério da Agricultura Imprensa Oficial/Instituto Brasileiro de Desenvolvimento Florestal. 1926-1931. 1984. v.2. p.440

Colantheria intermedia (McClure & L.B.Sm.) McClure

Has as synonym

basionym *Aulonemia intermedia* McClure & L.B.Sm.

DESCRIPTION

Stem: branch number per node 2 to 13. **Leaf:** auricles on the branch leaf sheath absent; culm leaf blade position reflexed; culm leaf girdle conspicuous; fimbria at the culm leaf sheath apex present; indumentum culm leaf girdle glabrous; indumentum culm leaf sheath abaxial surface glabrous to puberulent; branch leaf blade base symmetry rounded. **Inflorescence:** branch number in the synflorescence 2/3/4/5/6/7; development glume 1 and 2 developed; spikelet length 1.8 to 6.6 cm; spikelet position not secund; floret number per spikelet 3 to 5.0; glume 1 vein number 3 to 5; lemma length 5.8 to 8.8 mm; mature spikelet colour brown.

Life Form

Bamboo

Substrate

Terrestrial

DISTRIBUTION

Native, Is endemic from Brazil

Phytogeographic Domains

Atlantic Rainforest

Vegetation Types

Seasonally Semideciduous Forest

Geographic Distribution

Confirmed occurrences


Southeast (São Paulo)

South (Paraná, Rio Grande do Sul, Santa Catarina)

HERBARIUM MATERIAL

P.Dusén, 18011, NY,  (NY01182258), Paraná

R.M. Klein, 4615, FLOR (FLOR0004382), Santa Catarina, **Typus**

P.G.Windisch, 2830, US, 2910574,  (US00011260), São Paulo

Santos-Gonçalves, A.P., 557, ISC, HRB, RB, IBGE, UEC, Santa Catarina

V.Citadini, 328, ICN, 041264, Rio Grande do Sul

REFERENCE

Santos-Gonçalves, A.P. 2005. Estudos taxonômicos e morfoanatómicos em *Colantheria* (Poaceae: Bambusoideae: Bambuseae). Tese de Doutorado. Universidade Estadual de Campinas, Campinas, São Paulo. 159p.

Santos-Gonçalves, A.P.; Jesus-Costa, C.; Filgueiras, T.S.; Clark, L.G. A Revision of *Colantheria* (Poaceae: Bambusoideae: Bambuseae: Arthrostylydiinae) and New Species for the Atlantic Forest. *Systematic Botany*, 43(4): 956–974, 2018.

McClure, F. A. and L. B. Smith. Gramíneas (Suppl. Bambúseas). In: Reitz, P. R. (ed) *Flora Ilustrada Catarinense*, 1967. 78p. (p. 52-54).

Smith, L.B.; Wasshausen, D.C.; Klein, R.M. Gramíneas (1. Bambusa até 44. Chloris). In: Reitz, P.R. (ed.) *Flora Ilustrada Catarinense*, 1981. 435p. (p.116-118).

Colantheria kinoshitae Santos-Gonç., Filg. & L.G.Clark

DESCRIPTION

Stem: branch number per node 1 to 5. **Leaf:** auricles on the branch leaf sheath present; culm leaf blade position erect to reflexed; culm leaf girdle inconspicuous; fimbria at the culm leaf sheath apex present; indumentum culm leaf girdle glabrous; indumentum culm leaf sheath abaxial surface puberulent; branch leaf blade base symmetry asymmetric sometimes rounded. **Inflorescence:** branch number in the synflorescence 2/3/4/5; development glume 1 and 2 developed; spikelet length 2 to 3.5 cm; spikelet position not secund; floret number per spikelet 3 to 5.0; glume 1 vein number 1 to 3; lemma length 5.5 to 8.2 mm; mature spikelet colour brown.

Life Form

Bamboo

Substrate

Terrestrial

DISTRIBUTION


Native, Is endemic from Brazil

Geographic Distribution

Confirmed occurrences

Southeast (Rio de Janeiro)

HERBARIUM MATERIAL

C.J.Costa et al., 129, VIC, 51279,  (VIC051279), Rio de Janeiro

A.P.Santos-Gonçalves & K.Matsumoto, 477, US, SP, IBGE, MO, 101102443, UEC, **Typus**

X.Londoño & S.Sarahyba, 722, US, 3260517, NY, 1182156, Rio de Janeiro

REFERENCE

Santos-Gonçalves, A.P.; Jesus-Costa, C.; Filgueiras, T.S.; Clark, L.G. A Revision of *Colantheria* (Poaceae: Bambusoideae: Bambuseae: Arthrostylidiinae) and New Species for the Atlantic Forest. *Systematic Botany*, 43(4): 965–974, 2018.

Colantheia longipetiolata Jesus-Costa & Santos-Gonç.

DESCRIPTION

Stem: branch number per node 1 to 4. **Leaf:** auricles on the branch leaf sheath absent; culm leaf blade position erect to reflexed; culm leaf girdle inconspicuous; fimbria at the culm leaf sheath apex present; indumentum culm leaf girdle glabrous/pubescent; indumentum culm leaf sheath abaxial surface glabrous to pubescent when young; branch leaf blade base symmetry rounded/asymmetric sometimes rounded. **Inflorescence:** branch number in the synflorescence 1; development glume 1 and 2 developed; spikelet length 1.2 to 5.8 cm; spikelet position not secund; floret number per spikelet 3 to 7; glume 1 vein number 3 to 5; lemma length 11 to 18 mm; mature spikelet colour brown with dark spot.

Life Form

Bamboo

Substrate

Terrestrial

DISTRIBUTION

Native, Is endemic from Brazil

Phytogeographic Domains

Atlantic Rainforest

Vegetation Types

Ombrophyllous Forest (Tropical Rain Forest)

Geographic Distribution

Confirmed occurrences

Southeast (Minas Gerais)

HERBARIUM MATERIAL

C. Jesus-Costa, 95, VIC, BHC, 200748,   (BHC200748), Minas Gerais, **Typus**

REFERENCE

De Jesus-Costa, C., Viana, P. L., Clark, L. G. & Santos-Gonçalves, A. P. (2019) *Colantheia longipetiolata* (Poaceae: Bambusoideae), a new species of woody bamboo from the Brazilian Atlantic forest. *Phytotaxa* 401 (2): 133–138.

Colantheria macrostachya (Nees) McClure

Has as synonym

basionym *Arundinaria macrostachya* Nees

DESCRIPTION

Stem: branch number per node 2 to 4. **Leaf:** auricles on the branch leaf sheath absent; culm leaf blade position unknown; culm leaf girdle conspicuous; fimbria at the culm leaf sheath apex unknown; indumentum culm leaf girdle pubescent; indumentum culm leaf sheath abaxial surface unknown; branch leaf blade base symmetry rounded to slightly asymmetric. **Inflorescence:** branch number in the synflorescence 4/5; development glume 1 and 2 developed; spikelet length 9 to 12 cm; spikelet position not secund; floret number per spikelet 4 to 11; glume 1 vein number 3; lemma length 10 to 22 mm; mature spikelet colour brown.

Life Form

Bamboo

Substrate

Terrestrial

DISTRIBUTION

Native, Is endemic from Brazil

Phytogeographic Domains

Atlantic Rainforest

Vegetation Types

Ombrophyllous Forest (Tropical Rain Forest)

Geographic Distribution

Confirmed occurrences


Southeast (São Paulo)

Possible occurrences

Southeast (Rio de Janeiro)

HERBARIUM MATERIAL

L. Riedel, s.n., K,  (K001106375)

F. Sellow, 546, US,  (US00030338), **Typus**

REFERENCE

Santos-Gonçalves, A.P.; Jesus-Costa, C.; Filgueiras, T.S.; Clark, L.G. A Revision of *Colantheria* (Poaceae: Bambusoideae: Bambuseae: Arthrostylidiinae) and New Species for the Atlantic Forest. *Systematic Botany*, 43(4): 956–974, 2018.

Santos-Gonçalves, A.P. 2005. Estudos taxonômicos e morfoanatómicos em *Colantheria* (Poaceae: Bambusoideae: Bambuseae). Tese de Doutorado. Universidade Estadual de Campinas, Campinas, São Paulo. 159p.

Colantheria rhizantha (Hack.) McClure

Has as synonym

basionym *Arundinaria rhizantha* Hack.

DESCRIPTION

Stem: branch number per node 2 to 20. **Leaf:** auricles on the branch leaf sheath absent; culm leaf blade position unknown; culm leaf girdle conspicuous; fimbria at the culm leaf sheath apex unknown; indumentum culm leaf girdle pubescent; indumentum culm leaf sheath abaxial surface glabrous; branch leaf blade base symmetry rounded. **Inflorescence:** branch number in the synflorescence 2/3/4/5/6/7; development glume 1 and 2 developed; spikelet length 1.3 to 3.5 cm; spikelet position not secund; floret number per spikelet 1 to 7; glume 1 vein number 1 to 3; lemma length 4.5 to 8 mm; mature spikelet colour brown.

Life Form

Bamboo

Substrate

Terrestrial

DISTRIBUTION

Native, Not endemic to Brazil

Phytogeographic Domains

Atlantic Rainforest

Vegetation Types



Ombrophyllous Forest (Tropical Rain Forest)

Geographic Distribution

Confirmed occurrences

South (Paraná, Rio Grande do Sul)

HERBARIUM MATERIAL

G. Hatschbach, 48104, K,  (K001106376), NY,  (NY01182322), Paraná

REFERENCE

Santos-Gonçalves, A.P.; Jesus-Costa, C.; Filgueiras, T.S.; Clark, L.G. A Revision of *Colantheria* (Poaceae: Bambusoideae: Bambuseae: Arthrostylidiinae) and New Species for the Atlantic Forest. *Systematic Botany*, 43(4): 956–974, 2018.
Santos-Gonçalves, A. P. 2005. Estudos taxonômicos e morfoanatômicos em *Colantheria* (Poaceae: Bambusoideae: Bambuseae). Tese de Doutorado. Universidade Estadual de Campinas, Campinas, São Paulo. 159 p.

Colantheria secundiflora Santos-Gonç., Filg. & L.G.Clark

DESCRIPTION

Stem: branch number per node 1 to 4. **Leaf:** auricles on the branch leaf sheath absent; culm leaf blade position erect; culm leaf girdle inconspicuous; fimbria at the culm leaf sheath apex present; indumentum culm leaf girdle glabrous; indumentum culm leaf sheath abaxial surface glabrous; branch leaf blade base symmetry rounded. **Inflorescence:** branch number in the synflorescence 1; development glume 1 and 2 developed; spikelet length 1.7 to 2.7 cm; spikelet position secund; floret number per spikelet 3 to 7; glume 1 vein number 1; lemma length 6 to 7 mm; mature spikelet colour green to brown with dark spot rarely green without spot.

Life Form

Bamboo

Substrate

Terrestrial

DISTRIBUTION

Native, Is endemic from Brazil

Vegetation Types

High Altitude Grassland, Seasonally Semideciduous Forest

Geographic Distribution

Confirmed occurrences

Southeast (São Paulo)

HERBARIUM MATERIAL

A.P.Santos-Gonçalves & L.D.Meirelles, 353, UEC, BHC, IBGE, MO, 101093031, RB, SP, US, São Paulo, **Typus**
V.C.Souza, 9453, HUEFS (HUEFS0162568), São Paulo

REFERENCE

Santos-Gonçalves, A.P.; Jesus-Costa, C.; Filgueiras, T.S.; Clark, L.G. A Revision of *Colantheria* (Poaceae: Bambusoideae: Bambuseae: Arthrostylidiinae) and New Species for the Atlantic Forest. *Systematic Botany*, 43(4): 956–974, 2018.
Santos-Gonçalves, A.P. 2005. Estudos taxonômicos e morfoanatômicos em *Colantheria* (Poaceae: Bambusoideae: Bambuseae). Tese de Doutorado. Universidade Estadual de Campinas, Campinas, São Paulo. 159p.

Colantheria sparsiflora Santos-Gonç., Filg. & L.G.Clark

DESCRIPTION

Stem: branch number per node 1 to 5. **Leaf:** auricles on the branch leaf sheath present; culm leaf blade position erect to reflexed; culm leaf girdle conspicuous; fimbria at the culm leaf sheath apex present; indumentum culm leaf girdle glabrous; indumentum culm leaf sheath abaxial surface glabrescent; branch leaf blade base symmetry strongly asymmetric. **Inflorescence:** branch number in the synflorescence 1; development glume 1 and 2 reduced to scale; spikelet length 1.4 to 2.3 cm; spikelet position not secund; floret number per spikelet 2 to 4; glume 1 vein number inconspicuous; lemma length 5 to 16 mm; mature spikelet colour brown with dark spot.

Life Form

Bamboo

Substrate

Terrestrial

DISTRIBUTION

Native, Is endemic from Brazil

Phytogeographic Domains

Atlantic Rainforest

Vegetation Types

Seasonally Semideciduous Forest

Geographic Distribution

Confirmed occurrences

Southeast (Espírito Santo)

HERBARIUM MATERIAL

A.P.Santos-Gonçalves & K.Matsumoto, 496, US, SP, MO, 101093032, IBGE, BHCB, UEC, **Typus**

REFERENCE

Santos-Gonçalves, A.P.; Jesus-Costa, C.; Filgueiras, T.S.; Clark, L.G. A Revision of *Colantheria* (Poaceae: Bambusoideae: Bambuseae: Arthrostylidiinae) and New Species for the Atlantic Forest. *Systematic Botany*, 43(4): 956–974, 2018.
Santos-Gonçalves, A.P. 2005. Estudos taxonômicos e morfoanatômicos em *Colantheria* (Poaceae: Bambusoideae: Bambuseae). Tese de Doutorado. Universidade Estadual de Campinas, Campinas, São Paulo. 159p.