

Urceolina Rchb.

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Este tratamento é composto pelos seguintes táxons: *Urceolina*, *Urceolina amazonica*, *Urceolina castelnaeana*, *Urceolina cyaneosperma*, *Urceolina ulei*.

COMO CITAR

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DESCRIÇÃO

Forma de Vida

Erva

Substrato

Terrícola

DISTRIBUIÇÃO

Nativa, não é endêmica do Brasil

Domínios Fitogeográficos

Amazônia

Tipos de Vegetação

Floresta Ombrófila (Floresta Pluvial)

Distribuição Geográfica

Ocorrências confirmadas

Norte (Acre, Amazonas, Pará)

Possíveis ocorrências

Norte (Acre, Amapá, Pará, Rondônia, Roraima, Tocantins)

CHAVE DE IDENTIFICAÇÃO

1. Limb spreading 60-90 mm in width; staminal cup > 20 mm wide, ovules 9-12 per locule *U. amazonica*
1. Limb spreading to < 50 mm; staminal cup < 20 mm wide, ovules 5 or less per locule 2
2. Flowers 7-10, mildly fragrant, tepals < 20 mm long, ripe capsule tardily dehiscent, green *U. castelnaeana*
2. Flowers usually 5, never > 7, not fragrant, tepals > 20 mm long, ripe capsule orange 3
3. Tube sinuously curved for most of its length, seed testa lustrous black *U. ulei*
3. Tube abruptly curved ca. 5 mm above the ovary and then ± straight, seed testa cobalt blue *U. cyaneosperma*

BIBLIOGRAFIA

Urceolina Rchb., Consp. Regn. Veg. [H.G.L.Reichenbach] 61. 1828.

TYPE: *Urceolina urceolata* (Ruiz & Pav.) M.L.Green, in Internat. Bot. Congr. Cambr. 1930 Nomencl. Proposals Brit. Botanists, 100, No. 1211. 1929. ≡ *Crinum urceolatum* Ruiz & Pav., Fl. Peruv. [Ruiz & Pavon] 3: 58, t. 287, f. b. 1802.

Urceolina amazonica (Linden) Christenh. & Byng

Tem como sinônimo

homotípico *Eucharis amazonica* Linden ex Planch.

DESCRIÇÃO

Inflorescência: flor(es) número 4 - 8. **Flor:** diâm. (cm) externo(s) ápice(s) tépala(s) flor(es) aberta(s) mais de 6; diâm. (cm) estaminal(ais) mais de 2 cm; **hipanto conformação** gradual(ais) curvo(s); **óvulo(s) número** menos de 6. **Fruto:** maduro(s) verde. **Semente:** cor preta.

DESCRIÇÃO ADICIONAL

Bulb 3.5-6 cm diam., neck 2.8-4.5 cm long, tunics brown. Leaves usually 2-4; petiole (15-)25-30(-50) cm long, 5.5-9 mm thick; lamina long-elliptic, (20-)30-40(-50) cm long, (10-) 12-18 cm wide, length/width ratio usually greater than 2, acuminate, sub cordate at the base and attenuate to the petiole, lustrous, dark green adaxially and shallowly or inconspicuously plicate, abaxial surface lighter green, cuticular striations obscure or largely absent, margins coarsely undulate. Scape 4.5-7(-8) dm tall, ca. 1-1.5 cm diam. proximally, ca. 5 mm diam. distally, terete; primary bracts (30-)35-58(-61) mm long, broadly ovate-lanceolate, green. Flowers (4-)5-6(-8), subpendulous, sweetly fragrant; pedicel (9-)10-15 (-25) mm long; tube white throughout, curved, (41-)46-58 mm long, cylindrical below and 2-2.5 mm wide, dilating abruptly at 1/3 length to (15- 18-21(-24) mm at the throat; limb white, spreading widely to 60-90 mm wide; tepals ovate, outer series 35-45(-50) mm long, 21-30 mm wide, apiculate; inner series 30-40(-45) mm long, 25-35 mm wide, acute. Staminal cup widely cylindrical, 11.2-13.8 mm long (to apex of teeth), (22-) 28-30(-34) mm wide, margins slightly recurved, the interior stained green, particularly along the filamental traces, shallowly cleft between each stamen; stamens 7-8(-9.5) mm wide at the base, each with 2 obtuse teeth, one on each side of the subulate free filament, rarely subquadrate; teeth 2-3 mm long; free filament 6.5-8(-10) mm long, 2.8-3.4 mm wide at the base; anthers oblong-linear, 6-7(-8) mm long, grayish; pollen ca. 51.6 μm polar diam., ca. 78.3 μm longest equatorial diam. Style white, 66-78(-85) mm long, exerted 1-1.5 cm from the staminal cup, slightly assurgent; stigma deeply 3-lobed, 3-3.5 mm wide when receptive. Ovary oblong-ellipsoid, (8-)10-14 mm long, (4-)5-7 .5(-8) mm wide, somewhat rostellate; ovules 9-12 per locule, superposed. Fruit and seed imperfectly known, capsule reported to be green and the seed ellipsoid with a black testa. Chromosome number: $2n = 68$.

COMENTÁRIO

Meerow & Dehgan (1984a) re-established *Urceolina amazonica* (as *Eucharis*) distinct from *U. x grandiflora*, a taxon with which it has been confused since its description by Planchon (1857). The species is indigenous only to Peru, in the upper and middle Huallaga valley, but is grown worldwide in tropical regions and may be sporadically adventive. The species has a somatic chromosome number of $2n = 68$ (Meerow, 1987b; Nagalla, 1979) and is at least partially sterile. No specimen of *U. amazonica*, in contrast to most other species, has ever been collected in fruit; pollen stainability is only 50-65%; and viable seed has never been produced in cultivation. It is therefore conceivable that all populations of *U. amazonica* constitute a single clone. Its distribution throughout its narrow range may have been promoted by transient agriculturists.

I believe *U. amazonica* to be a triploid-derived ($3x-1$) Peruvian isolate of either *U. moorei* or a possibly extinct mutual ancestor. The morphological differences between these taxa are cryptic and virtually impossible to discern in most dried material without dissection of the ovary. Their close relationship is further supported by the presence of secondary vascular bundles in the petiole of both taxa, although much smaller in *U. amazonica*.

Forma de Vida

Erva

Substrato

Terrícola

DISTRIBUIÇÃO

Cultivada, não é endêmica do Brasil

Tipos de Vegetação

Floresta Ombrófila (Floresta Pluvial)

Distribuição Geográfica

Ocorrências confirmadas

Norte (Amazonas)

Possíveis ocorrências

Norte (Acre, Amapá, Pará, Rondônia, Roraima, Tocantins)

Urceolina castelnaeana (Baillon) Traub

Tem como sinônimo

homotípico *Eucharis castelnaeana* (Baill.) J.F.Macbr.

heterotípico *Eucharis narcissiflora* Huber

DESCRIÇÃO

Inflorescência: flor(es) número 7 ou mais. **Flor:** diâm. (cm) externo(s) ápice(s) tépala(s) flor(es) aberta(s) menos de 5; diâm. (cm) estaminal(ais) menos de 2 cm; **hipanto conformação** gradual(ais) curvo(s); **óvulo(s) número** menos de 6. **Fruto:** maduro(s) verde. **Semente:** cor preta.

DESCRIÇÃO ADICIONAL

Bulb small, subglobose, 2.2-3(-4.5) cm long, 1.4-2.7 cm wide; neck 1-2 cm long, 1-1.5 cm wide; tunics tannish brown. Leaves 2-4; petiole (10-)13-17(-25) cm long, 3-6 cm wide; lamina narrowly ovate-elliptic, (10-)15-20 cm long, 5-7(-10) cm wide, apex shortly acuminate, lustrous dark green adaxially, lighter green abaxially, margins undulate. Scape (2.5-)3-4(-5) dm tall, 5-6 mm diam. proximally, ca. 3 mm diam. distally; bracts (2.5-)3-4 cm long, ovate-lanceolate, greenish white. Flowers (7-)8-10, pendent, small, with a faint lemon fragrance; pedicels 10-18 mm long; tube 15-25(-30) mm long, 1-1.5(-2) mm wide for most of its length, abruptly dilated near the throat to 5-6(-8) mm wide; tepals patent, spreading to (2.5-)3-4 cm, often distally recurved, sometimes strongly reflexed for their entire length; outer tepals (ovate-)lanceolate, 15-20 mm long, 5-7 mm wide, apiculate; inner tepals ovate, 11.5-18.7 mm long, 8-11 mm wide, acute. Staminal cup funnelform-cylindrical to cylindrical, usually subcylindrical proximally and abruptly dilated at 1/2 to 2/3 its length, (5.5-)7-8(-9.5) mm long (to apex of tooth), (7-)9-11(-12) mm wide, zoned greenish yellow in the proximal 1/3, slightly incurved at the rim, waxy and slightly succulent in texture, bidentate between each free filament, conspicuously plicate between the teeth, very shallowly cleft between each tooth < 1 mm) and as deep or more deeply cleft between the teeth and the free filament (> 1 mm); teeth 0.5-1 mm long, reaching to about half the length of the free filaments, obtuse, entire; free filament subulate, (1.5-)2-3(-4) mm long, ca. 1.5 mm wide at the base, obtuse or acute; anthers 3-4.5 mm long, oblong, grayish brown, sub-basifixed; pollen grain ca. 39.45 µm polar diam., ca. 55.8 µm longest equatorial diam. Style 25-35 mm long, reaching the apex of the cup or slightly inserted; stigma ca. 1.5 mm wide. Ovary globose, 3.5-5 mm diam., white to greenish white; ovules (2-)4-5(-7) per locule. Capsule subglobose, shallowly trilobed, ca. 1 cm long, 1.5 cm wide, glaucous green, thin-walled, sometimes abscising indehiscently; seeds 1-3 per locule, compressed-ellipsoid, ca. 1 cm long, 5 mm wide; testa dull black, rugose. Chromosome number: $2n = 46$.

Distribution. Understory of lowland and premontane, often seasonally inundated, primary rain forest in the Amazon basin, most commonly in Peru, rare in Colombia and Brazil (Fig. 91), 100-200 m. Flowering June-September (-December).

COMENTÁRIO

Urceolina castelnaeana has been collected most frequently in the vicinity of Yurimaguas in Peru, and is sometimes locally abundant in rainforest understory. It has the smallest flowers of any species in the *Eucharis* group of *Urceolina*, and is the major exception to the correlation of reduced flower size with loss of fragrance that otherwise characterizes *Urceolina*. Several living collections produce a mild lemon scent when ambient temperatures are high (as does *U. plicata* var. *brevidentata*). It is the only species of the *Eucharis* group in which the ripe capsule is not leathery and orange. The glaucous, green, thin-walled capsule is tardily dehiscent and can abscise without opening, though the seeds within are fully ripe.

Urceolina castelnaeana is autogamous. Under greenhouse cultivation it is the only species of the *Eucharis* group of *Urceolina* that successfully sets fruit with self-pollen. Unmanipulated inflorescences regularly set 50-75% of their capsules. *Urceolina castelnaeana* is variable in leaf and flower size (Fig. 93A) and, to a lesser extent, in androecial morphology. In his description of *U. narcissiflora* (as *Eucharis*), Huber (1906) made reference to *U. castelnaeana*, described from the same location as Huber's type of *U. narcissiflora*, but differentiated his new species solely on the basis of size. The two taxa represent the extremes of size diversity of a single species and differ by no other characters. *Urceolina plicata* is phenetically the closest species to *U. castelnaeana*.

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Amazônia

Tipos de Vegetação

Floresta Ombrófila (Floresta Pluvial)

Distribuição Geográfica

Ocorrências confirmadas

Norte (Amazonas)

Urceolina cyaneosperma (Meerow) Christenh. & Byng

Tem como sinônimo

homotípico *Eucharis cyaneosperma* Meerow

DESCRIÇÃO

Inflorescência: flor(es) número 4 - 8. **Flor:** diâm. (cm) externo(s) ápice(s) tépala(s) flor(es) aberta(s) menos de 5; diâm. (cm) estaminal(ais) menos de 2 cm; **hipanto conformação** abruptamente curvo(s); **óvulo(s) número** menos de 6. **Fruto: maduro(s)** laranja. **Semente: cor** azul.

DESCRIÇÃO ADICIONAL

COMENTÁRIO

Urceolina cyaneosperma is the only species of *Urceolina* with blue-coated seeds. The species appears very similar to *U. ulei* but differs by having usually shorter leaves, different tube morphology (abruptly curved at the base in *U. cyaneosperma*, sinuously curved in *U. ulei*), irregularly dentate to quadrate staminal cup, deeply trigonous ovary, and different seed color. In the southern part of its range, *U. cyaneosperma* occupies more upland sites than are usually characteristic of *U. ulei*.

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Ocorrências confirmadas

Norte (Acre, Amazonas)

MATERIAL TESTEMUNHO

A. W. Meerow et al., 1032, V0041456F,  (V0041456F), **Typus**

B. A. Krukoff, 5573, NY, V0041456F,  (NY02230372), Acre

Urceolina ulei (Kraenzl.) Traub

Tem como sinônimo

homotípico *Eucharis ulei* Kraenzl.

heterotípico *Eucharis boliviensis* Ravenna

heterotípico *Eucharis ipariensis* (Ravenna) Ravenna

heterotípico *Eucharis moana* (Ravenna) Ravenna

heterotípico *Urceolina moana* Ravenna

DESCRIÇÃO

Inflorescência: flor(es) número 4 - 8. **Flor:** diâm. (cm) externo(s) ápice(s) tépala(s) flor(es) aberta(s) menos de 5; **diâm. (cm) estaminal(ais)** menos de 2 cm; **hipanto conformação** gradual(ais) curvo(s); **óvulo(s) número** menos de 6. **Fruto:** maduro(s) laranja. **Semente:** cor preta.

DESCRIÇÃO ADICIONAL

COMENTÁRIO

Urceolina ulei is among the more widespread Amazonian taxa of the *Eucharis* group of *Urceolina*, extending north from its Peruvian center of distribution into Colombia and south to Bolivia (Fig. 81). The species is best recognized by its primarily narrow-elliptic leaves, chiefly five-flowered inflorescence, tube length of ca. 3-4 cm, limb spread of 4-5 cm, and reduced ovule number (generally two per locule). Both flower and ovule number have become nearly fixed throughout the range of the species. *Urceolina castelnaeana* is sympatric with *U. ulei* at times but tends to occur on seasonally inundated soils. Flower size and number, ovule number, and chromosome morphology (Meerow, 1987b) suggest close relationship to *U. cyaneosperma* (Meerow) Christenh. & Byng, which has different tube morphology, a deeply trigonous ovary, and blue-coated seeds.

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Erva

Substrato

Terrícola

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Domínios Fitogeográficos

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Tipos de Vegetação

Floresta Ombrófila (Floresta Pluvial)

Distribuição Geográfica


Ocorrências confirmadas

Norte (Acre, Amazonas, Pará)


MATERIAL TESTEMUNHO

Ferreira, s.n., P (P01772140), Pará

Silva, M.G. da, 1982, MG (MG036413), Pará

A. Quinet, 1347, RB, 489711,  (RB00576163), Amazonas

E.E. Ule, 5737 (non 5737b in B), B (B 10 0242986), MG (MG005658), Amazonas, **Typus**

Krukoff, 4637, NY,  (NY02230381), S (S16-53944), Amazonas